



American Society of Civil Engineers

North Jersey Branch Newsletter

JANUARY 2007

Branch Officers and Directors for 2006/2007

President
Kenneth Clausen, P.E.
KS Engineers, P.C.
(973) 623-2999
kclausen@kseng.com

President Elect
Thomas Ott, P.E.
PB Americas, Inc
(973) 353-7628
OttT@pbworld.com

Vice President
Stephan Butler
The Stegla Group
(212) 431-3900
Sbutler@Stegla.com

Secretary
Sandra Pardini
PB Americas, Inc
(973) 353-7665
Pardini@pbworld.com

Treasurer
Todd Hay P.E.
Pennoni Associates, Inc
(908) 653-0889 ext. 5529
THay@Pennoni.com

First Past President
Lamis Malak, P.E.
NJ Turnpike Authority
(732) 750-5300 x8247
Malak@turnpike.state.nj.us

Second Past President
Christopher J. Taylor, P.E.
SYSTRA Consulting, Inc.
(973) 893-6000
ctaylor@systrausa.com

Director
Gareth Middleton, P.E.
Tishman Construction Corp.
(973) 824-7054
gmiddleton@tishman.com

Director
Mike Murno, P.E.
Edwards & Kelcey, Inc.
(212) 944-2000
mmurno@ekmail.com

YMG President
Chrissa Roessner, PE
The Louis Berger Group, Inc.
765 1946
croessner@louisberger.com

Environmental & Water Resources Technical Group Dinner Presentation

New Jersey's New Stream Encroachment Regulations

- Speaker:** Vincent Mazzei, PE, NJDEP Division of Land Use Regulation
- Date:** Thursday, January 25, 2007
- Time:** Reception 5:30, Dinner and Program to follow
- Location:** The Newark Club, One Newark Plaza, Newark, New Jersey
- Cost:** \$55 for ASCE Members, \$65 nonmembers, \$50 Government Employees, \$25 for full time students with ID
- PDH:** 1 PDH (NYS) approval pending
- RSVP:** Register online at <http://branches.asce.org/northjersey> and click on the RSVP button included on the website OR contact Jim Heeren at 973.739.9400x3203 or Ramesh Rajagopal at 908.755.0040 or rrajagopal@GFNET.com
"No Shows" will be billed

Vince Mazzei is a licensed professional engineer with the NJDEP Division of Land Use Regulation. Vince graduated from Stevens Institute of Technology with a BS in civil engineering in 1988 and has been with the Department for the past 18 years.

Over the past several years, Vince rewrote New Jersey's Flood Hazard Area Control Act rules. This rule proposal was recently published in the New Jersey Register with anticipated adoption in 2007. As the primary author of these rules, Vince is responsible for educating the public and the Department's staff on the contents and correct implementation of the new rules. He is also responsible for coordinating the implementation of New Jersey's new stormwater management rules with the Department's freshwater wetlands, coastal and stream encroachment permitting programs.

Join Mr. Mazzei and the ASCE Environmental & Water Resources Group as he discusses the recently proposed revisions to the NJ Stream Encroachment Regulations!

President's Message



Greetings again! The 2006-7 activity year for the North Branch is now at least halfway over. Our Technical Groups have been providing an outstanding array of programs, our Younger Member Group is very active, and technical seminars are being planned for the spring months.

As you know, many of our dinner meetings and seminars provide an opportunity for acquiring professional development hours (PDH's), particularly for those registered in New York State. The North Jersey Branch is pleased to be able to offer PDH's to our members and guests.

The promotion of continuing education, or "lifelong learning," is one part of the mission of ASCE as it strives to enhance the careers of its members. The opportunities for acquiring new or expanded knowledge related to the practice of engineering are practically exploding around us. I believe that within a very short time it will be possible to find a short course or seminar on just about any topic that someone has an interest in. Already there are a great variety of courses available such that if you are faced with an unfamiliar topic, it is highly likely that you could find a seminar or short course after a little searching.

ASCE is a major provider of short courses and seminars in various formats. Their major offerings are usually two-day seminars at various locations around the country. Cost is often a major hindrance in attending those courses in that the basic fees are usually about \$1,045 or more and travel costs and non-productive time run up the tab. ASCE is aware that costs are a problem, but they seek to provide good value in their courses and to recover the full cost of the service. Live "webinars" have become an attractive medium for short topics taking one to two hours. These courses are presented to groups, each at a single site, viewing over the Internet using a projector and speaker phone for about \$250. By registering early for those courses, the "attendees" obtain preprinted notes to aid in following the lecture, given live. There is a modicum of opportunity for interaction between the viewers and the course leader in these courses. Presented usually at noon or 3 PM Eastern time, they are mostly on management, professional development, and traffic and building topics. ASCE is inviting people to prepare courses for seminars and webinars on new topics, for which they will be compensated, and I believe that in a few years there will be many more topics available.

ASCE also provides a host of courses on DVD, CD, and videotape and in book format for individual study. Many of these are available for about \$79. At the other end of the spectrum, on-line courses leading to a Masters Degree in Engineering are now offered through several reputable universities. NJIT, Stevens and Drexel are some of the schools that offer on-line courses through ASCE with a discount to ASCE Members. I think that every university, college and community college now have short-courses on line courses and on campus that can be useful whether they lead to PDH's or not. Pratt Institute has an interesting series of architecture and engineering courses on Saturdays and Sundays. What would you like to learn about this year? Go to www.asce.org/conted and explore the options!

- Ken Clausen, PE

The YMG Is Climbing Up All the Time!

Join the Younger Member Group for Indoor Rock Climbing this January!

Where: NJ Rock Gym, 373D Route 46 West, Fairfield, NJ

When: Wednesday, January 24, 2007, 6:30PM

Cost: \$20 includes all necessary equipment

RSVP by Monday, January 22. Email Teresa at tpeterson@gfnet.com or Rob at rlaner@langan.com



NORTH JERSEY BRANCH TECHNICAL GROUPS

Join one of these groups and get involved with others in your field of interest. For more information, contact **Lamis Malak, P.E.** at malak@turnpike.state.nj.us or any of the individuals listed below:

STRUCTURAL GROUP

Arjuna Ranasinghe – 973-776-8621
apranasinghe@mbakercorp.com

TRANSPORTATION GROUP

Mittul Patel - 908-598-2600
mpatel@bemsys.com

WATER RESOURCES GROUP

Ramesh Rajagopal 908-755-0040
rrojagopal@Gfnet.com

ENVIRONMENTAL GROUP

Jim Heeren - 973-739-9400
jheeren@dewberry.com

PROFESSIONAL ISSUES GROUP

Anthony Pecci – 973-338-9100
apecce@dewberry.com

CONSTRUCTION GROUP

Co- Chairs:

Katy Ubinger - 973-667-1600
Ext.112

kubinger@crsgroup.com and

Stephen Denes - 201-307-2548

sdenes@hertz.com

GEOTECHNICAL GROUP

Co- Chairs:

Golam Kabir – 973-605-5200

gakabir@converseconsultants.com

and

David Lim – 973-244-5995

dlim@stressteel.com

Calling All Budding Bridge Engineers!

The **West Point Bridge Design Contest** continues this year with an exciting new twist. Just as you have done in the past, you will be able to run a local bridge design contest in your classroom, school, or community.

We will support your efforts by providing you with your own customized, web-based Local Contest Scoreboard. But this year, your local contest will be based on your own unique bridge design project-and there are 392 of them to choose from! For details, please see:

<http://bridgecontest.usma.edu/pdfs/local.pdf>

Note that you must specify a design project when you request your Local Contest Code. And you must request a new code for 2007; old codes will no longer work.

In order to receive a Local Contest Scoreboard, your local contest must be scheduled during the period of time when the on-line registration and upload features of our contest website are operational. Thus, your local contest can begin no sooner than January 3, 2007 and must end prior to July 1, 2007.

There are no prizes for the national contest this year. Nonetheless, all contestants will experience the existential pleasures of engineering, and the top 10 teams in each zone will receive a handsome certificate signed by the Contest Director. Who needs prizes anyway?

See our web site at <http://bridgecontest.usma.edu> for more information.

ASCE Central Jersey Branch Presents an Update on The Tunnel!

**Speaker: Richard W. Gramlich, P.E., P.P. NJ
Transit**

Date: Tuesday, January 16, 2007

Time: 6:00 p.m

**Location: Chimney Rock Inn, 800 North
Thompson Ave., Bridgewater, NJ, Tel: 732-469-
4600**

Website: www.chimneyrockinn.com

Cost: \$30.00

**Reservations: Jean Hansen, PE, PMP, M.ASCE,
Phone: (609) 497-7300 Email:
jeanhans1@aol.com**

NJ TRANSIT's Tunnel Team presents the status of engineering for the new two-track rail tunnel – which will connect New Jersey and New York and include a new train station under 34th Street. The presentation will include an overview of the engineering, procurement, environmental and third party issues facing THE Tunnel team.

EUGENIA K. ROMAN, P.E.
Project Manager - Northeast Region
eroman@olsonengineering.com
PHONE: 201-783-4516

Condition Assessment of Civil Structures and Infrastructure

OLSON ENGINEERING, INC.

P.O. Box 433, Rutherford NJ 07070

www.olsonengineering.com | www.olsoninstruments.com

Lame Duck Session Yields Mixed Results for Civil Engineering

The 109th Congress finally wrapped up in the early morning hours of December 9, with mixed results for civil engineering. While we are pleased that the Dam Safety Act, an ASCE priority, was approved and sent to the president for his signature, we are disappointed that the Water Resources Development Act (WRDA), another ASCE priority, failed to pass.

This important legislation to reauthorize the activities of the U.S. Army Corps of Engineers has languished since 2000 while lawmakers squabble over reform and other issues. In 2006, WRDA also contained language to establish a levee safety program, legislation strongly supported by ASCE.

Finally, in punting the unfinished FY 2007 appropriations measures to the 110th congress, \$3.4 billion in transportation funds guaranteed by the landmark SAFETEA-LU authorization are in jeopardy.

- via www.asce.org -



**PARSONS
BRINCKERHOFF**

Engineering • Program Management
Planning • Construction Management

506 Carnegie Center 2 nd Floor Princeton, NJ 08540 609-734-7000 Richard T. Fleher	Two Gateway Center 18 th Floor Newark, NJ 07102 973-353-9100 Gregory J. Soriano
--	--

For career opportunities in transportation planning, design and construction phase services, please visit www.pbworld.com

<p>HAYWARD BAKER Geotechnical Construction</p> <ul style="list-style-type: none"> ◆ FOUNDATION SUPPORT ◆ SETTLEMENT CONTROL ◆ UNDERPINNING ◆ GROUNDWATER CONTAINMENT ◆ EXCAVATION STABILIZATION <p>COMPLETE GROUND MODIFICATION SOLUTIONS AND SERVICES</p>	<p>Greg Simmons, P.E. Business Development Northeast Regional Office 800-888-4292</p> <p>New York Metropolitan Area 201-797-1985</p> <p>For a complete listing of offices, visit HaywardBaker.com</p>
	<p>SPECIALTY FOUNDATION CONTRACTOR</p>

Highlights of Vincent Mazzei, PE,'s Upcoming Presentation

Vincent's presentation will provide a summary discussion of recently proposed revisions to the New Jersey Stream Encroachment Regulations. The presentation will focus on the major changes proposed and how they will impact transportation, infrastructure, and development projects throughout New Jersey.

The New Jersey Department of Environmental Protection (NJDEP) has proposed to repeal the existing Flood Hazard Area Control rules, N.J.A.C. 7:13, and to adopt new rules in its place that will incorporate more stringent standards for development in flood hazard areas and adjacent to surface waters.

Recent flood events in the State have demonstrated the need to adopt new rules that will better protect the public from the hazards of flooding, preserve the quality of surface waters and protect the wildlife and vegetation that exist within and depend upon such areas for sustenance and habitat.

The Department is also proposing related amendments to the Coastal Permit Program rules, N.J.A.C. 7:7, and to the Coastal Zone Management rules, N.J.A.C. 7:7E, in order to ensure better consistency with N.J.A.C. 7:13 as regards development in flood hazard areas and preservation of vegetation and habitat along surface waters. Furthermore, flood hazard area application fees and review procedures are proposed to be relocated into N.J.A.C. 7:13 from the Ninety-Day Construction Permits rules, N.J.A.C. 7:1C, so that all fees and application review standards are located in one rule.

ASCE's Public Policy Involvement: Current & Future

WHEN: Thursday, January 25, 2007, 4:00 pm - 5:30 pm

WHERE: Hyatt Regency Princeton, 102 Carnegie Center, Princeton, NJ 08540

WHY: To learn about and discuss the recommendations of the ASCE Task Force on Political Involvement to establish a new parallel 501 (c)(6) organization and the formation of a political action committee.

This event is open to all ASCE members. All costs must be incurred by the attendee. To RSVP for the event just email townhall@asce.org.

INSPIRING A NEW GENERATION OF ENGINEERS

Catch a sneak-peak of the new, ASCE-sponsored PBS engineering show for kids, ***Design Squad***, airing February 2007!

WHEN: Thursday, January 25, 2007, 6 pm - 8 pm

WHERE : Hyatt Regency Princeton, 102 Carnegie Center, Princeton, NJ 08540

Discover how you can deliver the excitement of Civil Engineering to students in grades K-12 by attending this workshop that highlights how engineers can combine fun with kid-tested engineering activities. ASCE-sponsored PBS engineering show for Kids, Design Squad, will bring engineering to students through hands-on activities based from design concepts used from the show! Learn how to organize public outreach events and train other volunteer engineers to identify and work with partners including PBS stations, museums, and youth groups. Explore the resources offered by ASCE to support the ZOOM into Engineering, Building Big, and West Point Bridge Design Contest outreach programs.

Complimentary resources will include instructional booklets, videos, a CD, self-tutorial PowerPoint training presentation, and more.

This event is open to all ASCE members. Section and Branch leaders are encouraged to attend, but there will be no additional reimbursement for attendance. This event is FREE of charge, but advance registration required. To RSVP, e-mail outreach@asce.org.

Please join us for the 4th Annual Engineering Expo on March 25th, 2007

Last year's EXPO featured 44 companies and industry organizations along with 25 colleges and universities from throughout the East Coast states. Over 400 parents, students, and teachers stopped by to learn about engineering and careers in engineering. The exhibits ranged from interactive models and product samples, to question and answer competitions, and demonstrations from professionals. Parents and students had the opportunity to speak with college recruiters to learn about various programs of study and entrance requirements. Engineers from public and private practice were on hand to discuss how engineering can contribute to the community, improve the environment, and still be a rewarding and satisfying career choice. Teachers were able to network with the professionals and learn more about resources available to bring engineering into the classroom.

This year's Engineering EXPO will be held on **March 25, 2007 at Westchester Community College in Valhalla, NY**. Admission is **free**. This event is open to all Middle and High School students and their families throughout New York and New Jersey. The exhibit hall will be open from 11am to 4pm. Please encourage your local school to attend.

We are currently looking for companies to exhibit at the EXPO. We would like to include representatives from all fields of engineering and technology. This is a great way to introduce your company to your future workforce, as well as to support the future of the profession. If you or your organization would like more information, or to register as an exhibitor, please contact Teresa Peterson, 908.755.0040 or tpeterson@gfnet.com. We need **YOU** to help make this a successful event!

"Engineering is a great profession. There is the fascination of watching a figment of the imagination emerge through the aid of science to a plan on paper. Then it moves to realization in stone or metal or energy. Then it brings homes to men or women. Then it elevates the standard of living and adds to the comforts of life. This is the engineer's high privilege."

Herbert Hoover (1874 - 1964)

KSE
 Engineers
 Surveyors
 Construction Managers

- Building Structural Design & Inspection
- Construction Management & Inspection
- Geotechnical Engineering
- Site / Civil Engineering
- Traffic Engineering
- Bridge Inspection
- Bridge Design
- Highway Design
- Railroad Engineering
- Surveying Services

KS Engineers, P.C.
 Corporate Headquarters
 24 Commerce St. • Newark, NJ 07102
 T: 973.623.2999 • F: 973.242.2955
 info@kseng.com
 www.kseng.com

New Jersey
 New York
 Pennsylvania

Edwards AND Kelcey
 ENGINEERS
 ARCHITECTS
 PLANNERS
 CONSTRUCTORS

www.ekcorp.com



celebrating **60** years of service 1946 - 2006

Corporate Headquarters
 299 Madison Avenue
 PO Box 1936
 Morristown, NJ 07962
 T 973.267.0555
 F 973.267.3555

Offices Nationwide

Dewberry

Civil ♦ Transportation ♦ Traffic ♦ Structural ♦ Geotechnical
 Municipal ♦ Telecommunications ♦ Environmental
 Water Resources ♦ Building Structures ♦ Construction Inspection

Dewberry-Goodkind, Inc.
 200 Broadacres Drive • Bloomfield, NJ 07003 • 973 338.9100
 600 Parsippany Road • Parsippany, NJ 07054 • 973 739.9400
 133 Gaither Drive, Suite T • Mt. Laurel, NJ 08054 • 856 802.0843
 www.dewberry.com

SYSTRA Consulting **Always Moving**



- Planning/Alternatives Analysis
- Busways and Alignments
- Systems Engineering
- Facility Design
- Signals & Communications Design
- Operations Analysis
- Construction Management

1515 Broad St., Bloomfield, NJ 07003 | 973.893.6000
 www.systriconsulting.com



**American Society of Civil Engineers
 North Jersey Branch**

Thomas N. Ott, P.E., Editor
 Parsons Brinckerhoff Quade & Douglas
 2 Gateway Center – 18th Floor
 Newark, NJ 07102
 (973) 353-7628



UPCOMING EVENTS

February 28, 2007: Geotech Group Dinner Presentation with Mr. Raymond Sandiford, PE of the PANYNJ

February 2007: E-week – TBD

March 2007: STG Seminar – TBD

April 2007: TTG Seminar - TBD