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Lamis Malak, P.E.
Dewberry
973-338-9100
lmalak@dewberry.com

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

Vice President

Thomas Ott, P.E.
PBQD
(973) 353-7628
OttT@pbworld.com

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THay@Pennoni.com

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ctaylor@systrausa.com

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Tishman Construction Corp.
973-824-7054
gmiddleton@tishman.com

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Stephan Butler, PE
The Stegla Group
(212) 431-3900
Sbutler@Stegla.com

Director

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

**American Society of Civil Engineers**

**Transportation Technical Group
FEBRUARY 2005 DINNER SEMINAR:**

The No 7 Line Subway Extension Project

The No. 7 Line Subway Extension project will extend the line from its current terminus at Times Square west under 41st Street and south under Eleventh Avenue. Stations will be provided near West 41st Street and Tenth Avenue, and near West 34th Street and Eleventh Avenue. Storage tracks will be provided south of the terminal station to approximately 25th Street.

Construction will be accomplished by a variety of tunneling methods, including the use of a tunnel boring machine (TBM), conventional excavation, cut-and-cover, and drill and blast. The contract is intended to be a D/B/B with financing provided by the City of New York. A tender announcement of the first construction contract is expected in the 4th quarter of 2006.

Project challenges will be discussed:

- Construction access and staging
- Tunneling methodology
- Lincoln Tunnel tubes and Port Authority Bus Ramp
- IND Eighth Avenue Station and Times Square Station Tail Tracks
- Tenth Avenue and 34th Street station entrances and area development
- Project Construction Schedule

SPEAKER:**David A. Donatelli, P.E., Project Manager**

Senior Vice President, Parsons Brinckerhoff Quade & Douglas, Inc., New York With 38 years of experience, Dave has been responsible for managing all phases of multimillion-dollar rail transit projects from conceptual design through construction management, and start-up. Dave has served in managerial roles on the Pittsburgh Light Rail Transit System; the Baltimore Light Rail Transit Project; the Metropolitan Atlanta Rapid Transit Authority (MARTA) heavy rail extensions; the Hudson-Bergen New Jersey Light Rail Transit System; and the Seattle Light Rail Transit Project.

DATE:**Tuesday, February 28, 2006****TIME:**Registration & Cocktails **5:30 pm** – 6:30 pm, dinner and presentation to follow**LOCATION:****The Newark Club**, One Newark Plaza, Newark, New Jersey**COST:**

\$55 ASCE Members, \$65 for Non-Members; \$25 for full-time students with ID

CONT. ED:

1 PDH w/ Certificate Pending Approval of PIE

REGISTER:**RSVP BY 02/17/05.** Send name, phone number, and e-mail address to Jean Go, goje@pbworld.com or call 973-353-7651.



PRESIDENT'S ADDRESS:

The Branch event schedule is in full swing. The Zone I Leadership Workshop for Section and Branch Leaders will be held February 10-12 in Boston, MA. We have several Branch Board members attending this weekend long event where they will meet other ASCE leaders and receive training in the structure of the Society and other leadership skills.

Thanks go to the **Younger Member Group and the E-Week coordinators** for their perseverance in arranging to once again hold the event at the Liberty Science Center temporary location despite the on-going remodeling of the main building. **The Construction Technical Group** is meeting to establish a program agenda this month and the Transportation Group will host the February Dinner Seminar on the No. 7 Subway Extension Project that I know is very near and dear to many members of the Group. I look forward to seeing you at some of our events this month. Check out all of the details inside.

In another matter of great importance to New Jersey and our profession, the New Jersey Section has asked all of the New Jersey Branches to assist in a partnering effort with other associations and societies in the State to rally support for reforming the Transportation Trust Fund (TTF) legislation. For far too long the topic of discussion has revolved around the dire straits from which the TTF never seems to be saved. Again, we have a date for when the funds will run out. We as members of ASCE are a powerful voice. We must come together as a Society and with other associations to provide support for reforming the TTF in order to make the funding shortfalls a thing of the past. Over the next few months, we will provide detailed information on ways to support the legislation reformation. In the meantime, please keep reminding your State government representatives about the importance of this legislation.

ASCE's mission is to provide essential value to our members, their careers, our partners and the public by developing leadership, advancing technology, advocating lifelong learning and promoting the profession

VOLUNTEER OPPORTUNITY - ENGINEERS WITHOUT BORDERS

Engineers Without Borders (EWB-USA) in partnership with ASCE has plans to form local Technical Advisory Committees (TAC) and is seeking licensed civil engineering professionals with **5-10 years experience in water and wastewater sanitation** projects. Third world development/ international experience is a plus. Here in our region, EWB-USA has student chapters located or forming at:

Clarkson University Columbia University Lafayette College Manhattan College
Princeton University Rowan University Syracuse University SUNY Environmental Science

TAC members are needed to serve as EWB-USA application assessors and project reviewers. In addition, TAC members coordinate the completion of technical and cultural peer reviews on projects that are under design by local EWB chapters. Training is provided. The next training course will be held at Rice University in Houston, Texas, Feb. 16-18, 2006. The estimated time commitment is 10-20 hours per month. No international travel required.

To find out more about EWB-USA and their projects, please visit www.ewb-usa.org. To submit your name and qualifications as a candidate for TAC, please contact me directly at autoah@cdm.com or by phone at (617)452-6309.

Ann H. Autio, PE
ASCE Zone 1 Vice President

ENGINEERS MAKE A WORLD OF DIFFERENCE

**NATIONAL ENGINEERS WEEK AT LSC:
FEB 25, 2006 – (NOTE: ONE DAY ONLY)**

Though on a smaller scale, the National Engineers Week 2006 event will go on as scheduled. An event like this is too important to take a year off. This year E-Week is scheduled for the week of February 20 – 25, 2006. This year, please do **your part** to introduce a young student to engineering.

Although the Liberty Science Center (LSC) is undergoing a \$104 million dollar expansion and renovation, exciting things are still happening over there! Exciting things are happening in North Jersey too as we prepare for ENGINEER'S WEEK 2006. Though we won't be able to hold our event in the science center as in previous years, the people from LSC have worked with us to make space available at their temporary location - Liberty Science Center: Riverside. The temporary space is housed in the historic **Central Railroad of New Jersey Terminal Building on the edge of the Hudson River in Liberty State Park.**

Exhibits include a preview of their *Eat and Be Eaten* exhibit scheduled for release in 2007. Admission to the exhibits including our E-Week activities is \$3 per person.

We are looking for exhibitors, sponsors, and volunteers. If your company has an exciting hands-on model of a current project that they would like to exhibit, please let us know! If you are interested in sponsoring exhibits or giveaways, or volunteering your time, please contact us.

For more information, please contact Chris Coke at 973.227.8700 or Teresa Peterson at 973.739.9400. For information about Liberty Science Center, please visit www.lsc.org

As in years past, it is volunteers who make this event a success and this year is no different we need YOUR help to make this a successful event. See you Feb 25!

Join the Construction Group In their Kickoff Social

The Construction Group will have a social gathering to kick off the re-birth of this technical group. All persons interested please join us for some food, drink, conversation, networking and sharing of ideas!

When: Tuesday, February 7th, 6pm to 8 pm

Where: Franklin Steakhouse, 522 Franklin Avenue, Nutley, NJ (973) 667-1755

What: Appetizers and a cash bar.

RSVP: Steve Denes (SDenes@hertz.com) or Katy Ubinger (kubinger@csrgroup.com or (973) 667-1600 Ext. 112).

JOINT MEETING WITH ASHE BRINGS OUT OVER 100

Our January Dinner Meeting, sponsored by the Transportation Technical Group, was a joint meeting with the American Society of Highway Engineers, North Central Section. Michael Lapolla, Executive Director of the New Jersey Turnpike Authority, was the featured speaker. Mr. Lapolla's remarks centered on the Projects begun and in the planning stages to widen the Parkway and the Turnpike and on the success that the Authority has had in working with the engineering consultant community. Remarks about the opening of Interchange 15X were, shall we say, brief.



Ken Clausen, President– Elect (L), and Don DiZuzuio,(R) President of ASHE with Mr. Lapolla

Scholarship Applications Available

The North Jersey Branch is pleased to offer the following scholarships:

2-\$1500 College Scholarships (for college Juniors)
2-\$1000 High School Scholarships (for graduating High School Seniors attending a 4-year college)
1-\$500 High School Scholarship (for graduating High School Seniors attending a Civil Engineering Technology program.)

Applications are available for downloading on our website under "Student Center". For more information, please contact Eugenia Roman at (201) 656-8810 or eroman@hardesty-hanover.com. All scholarship applications are due by March 31, 2006.

ATTENTION PE / EIT CANDIDATES:

The YMG is forming a study group for the PE/EIT exams this April. The group is expected to meet every 2 weeks for 2 hours. PE's will be available to answer your questions. If you are interested in joining this review group, please contact Teresa Peterson at tpeterson@dewberry.com or at 973.739..9400.

NORTH JERSEY BRANCH TECHNICAL GROUPS

Join one of these groups and get involved with others in your field. For more information, contact one of the Group leaders listed below.

STRUCTURAL GROUP

Arjuna Ranasinghe – 732-692-1800
apranasinghe@mccormicktaylor.com

TRANSPORTATION GROUP

Sandra Pardini - 973-353-7665
Pardini@PBWorld.com

WATER RESOURCES GROUP

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

ENVIRONMENTAL GROUP

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

PROFESSIONAL ISSUES GROUP

Ronald Gumann – 201-595-4890
rgumann@panynj.gov

CONSTRUCTION GROUP

Co- Chairs:
 Katy Ubinger - 973-667-1604
 Ext.112

kubinger@crsgroup.com and
 Stephen Denes - 201-307-2548

sdenes@hertz.com

GEOTECHNICAL GROUP

Co- Chairs:
 Jay Meegoda – 973-596-2464
meegoda@njit.edu and
 David Lim – 973-636-2700
dlim@structural.net

Engineering EXPO 2006

Sunday, April 2, 11 am to 4 pm at
 Dominican College, Rockland County, NY

The regional chapters of the National Society of Professional Engineers and the American Society of Civil Engineers have developed **Engineering EXPO** as a means to allow high school students in the Northern New Jersey and lower Hudson Valley regions to meet representatives of some of the nation's leading learning institutions. By sharing their knowledge, the hope is to inspire young science and math students to a career in engineering.

Participating institutions outline curriculum offerings, admission requirements and to financial aid information. Last year over 500 students from the Lower Hudson Valley region of New York and Northern New Jersey region attended the EXPO.

We're looking for companies to exhibit at the EXPO. If your company is interested, please contact Teresa Peterson at (973) 739.9400 or tpeterson@dewberry.com.

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Employment Opportunities

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FST has an opening in our West Caldwell, New Jersey office for the following:

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PLEASE SEND RESUMES TO: hr@fstinc.com

FST is an Affirmative Action, Equal Opportunity Employer.

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EIC Group LLC is a small growing design, surveying and construction firm offering an exciting and challenging professional opportunity for an energetic and results orientated Civil/Structural Engineer. We are seeking a person with a BS in engineering and 2-4 years of experience to work on a variety of projects including building design, construction engineering, structural renovations, site engineering, and survey projects. Experience should include development of details and contract documents, strong writing and organization skills and proficiency with AutoCad. The candidate should also be willing to obtain a PE when eligible.

This is a fantastic opportunity to be an integral part and help build future business of a fast growing, multi-disciplined firm. For consideration, please email or send a resume to:

EIC Group LLC
420 Route 46 East Suite 1
Fairfield, NJ 07004
info@EICGroupLLC.com
Fax: 973-227-8661

Employment Opportunities



Boswell Engineering


Boswell Engineering has openings for career minded individuals in our Environmental Division. Candidates must have 10+ years experience related to the design and management of civil, water and wastewater projects.

Boswell offers a competitive salary and an excellent benefit package. EOE – M/F/D/V. Send resume to Boswell Engineering, attention: John Pinsdorf/PJC, 330 Phillips Avenue, South Hackensack, NJ 07606. e-mail: marketing@boswellengineering.com, Fax: 201-641-2970

Structures Technical Seminar on Railroad Bridge Design

Twenty-six engineers attended the technical seminar on January 19 at the office of McCormick Taylor and earned two PDH's apiece (photo below). The presentation, by Ken Clausen, a long-time member of AREMA, focused on the impacts of the high design live load used for railroad bridges as compared to highway bridges. Using that live load, girders are sized to meet limits on maximum stresses, fatigue range and live load deflection. The Structures Technical Group is interested in sponsoring more such seminars on topics presented by our members.





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

Kenneth A. Clausen, P.E., Editor
KS Engineers, P.C.
 24 Commerce Street, 15th Floor
 Newark, NJ 07102
 (973) 623-2999

UPCOMING EVENTS

February 7: Construction Group Kickoff Social
February 8: NETS vs. KNICKS Continental Arena
February 19-25: National Engineers Week
February 28: Dinner Meeting No. 7 Line Subway Ext.
March 15: Engineering Career Day at Rutgers
April 2: Engineering EXPO at Dominican College