



## President's Message

Hello and I hope everyone is enjoying their summer. It has been an excellent one so far with some great weather for outdoor activities in Vermont.

On a somber note, I want to acknowledge the horrific tragedy that has occurred in Minneapolis, MN on the 35-W interstate bridge. Our thoughts and prayers go out to those who lost their lives and to the families that they left behind.

ASCE has been playing a lead role in the review and analysis of this tragic infrastructure tragedy. Please go to [www.asce.org](http://www.asce.org) to read more about the latest developments. ASCE has been working closely with Senators and their staffers in strong support of the National Infrastructure Act, S. 775, which was approved last week by the Senate Environment and Public Works Committee. Through ASCE's Report Card for America's Infrastructure, critical information about the status of our infrastructure is relayed to policy makers so that funding sources can be made available.

You can get involved as ASCE members through ASCE **Key Contacts Program** and ASCE's "**Six Clicks**" Advocacy Website which provides easy communication access to Senator and Representatives in our State to let them know where you stand on the status of our infrastructure in the U.S. I have embedded the links to the above webpages, just mouse over the text, hit the Ctrl key

+ click in the text at the same time and your web browser will take you there or you can read more about these programs in the **ASCE Government Relations** Section in this newsletter.

I hope that members in Vermont become more active and vocal on state and federal levels as we are the most knowledgeable people in society when it comes to our Nations Infrastructure. We are Civil Engineers and our knowledge is very useful to our elected officials and I am sure they want to hear from us!

On a more local level, this is the first newsletter since our "changing of the guard" in the VTASCE board of directors. I would like to introduce to you the new board of directors:

Shawn P. Kelley, Ph.D., M.ASCE.	President
Lynnette Whitney, P.E., M. ASCE	Treasurer
Matthew Strauss, P.E., M. ASCE	Secretary
Chantal Beliveau, P.E., M. ASCE	Past-President
Shawn P. Kelley, Ph.D., M.ASCE.	Newsletter Editor
Shawn P. Kelley, Ph.D., M.ASCE.	Webmaster

I would also like to take this opportunity to welcome Matt Strauss as our newest member to the Board of Directors. I look forward to working with this group of people as we move the Vermont

Section of ASCE forward into the 2007-2008 season.

We had our first Board of Directors meeting on July and this season's meeting schedule is shaping up to be a very exciting one.

I hope to see you at our monthly meeting series and I look forward to being your President of the Vermont Section of ASCE.

If you have any suggestions for meeting topics or have any ideas about the Section operations, please contact me. I would love to talk with you!

Best Regards,  
Shawn

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## **2007/2008 ASCE Meeting Schedule**

**September 28, 2007**                      **VSE GOLF OUT'G**

Topic: 7<sup>th</sup> Annual Fall Golf Classic

Location: Barre, VT

**October 17, 2007**                      **VTASCE Meeting**

Topic: Structural Analysis of the Breeding Barn wood/wrought iron roof truss in Shelburne, VT

Location: Shelburne, VT

**November ??, 2007**                      **VT/NHASCE Joint Meeting**

Topic: Historic presentation of the NYC watershed

Location: Lebanon, NH

**January ??, 2008**                      **VTASCE Meeting**

Topic: ??

Location: ??

**February 22, 2008**                      **EWeek Banquet**

Topic: ??

Location: ??

**March 19, 2008**                      **VTASCE Meeting**

Topic: Low Pressure Sewer Design

Location: ??

**April 24, 2008**                      **VTASCE/VSE Joint Meeting**

Topic: ??

Location: ?

**May ??, 2007**                      **VTASCE Meeting**

Topic: Global Warming, Civil Engineering, and Construction panel discussion

Location: ??

## **September GOLF OUTING**

VSE 7<sup>th</sup> Annual Fall Golf Classic  
Scholarship Tournament

Date: Friday, September 28, 2007

Where: Barre Country Club, Barre, VT

Entry Fee:

Cost: \$75.00

Reservations: Contact Kris Martin for RSVP

Vermont Agency of Transportation

Roadway, Traffic and Safety Section

One National Life Drive

Montpelier, VT 05633

**See Registration Form at end of this newsletter for more information**

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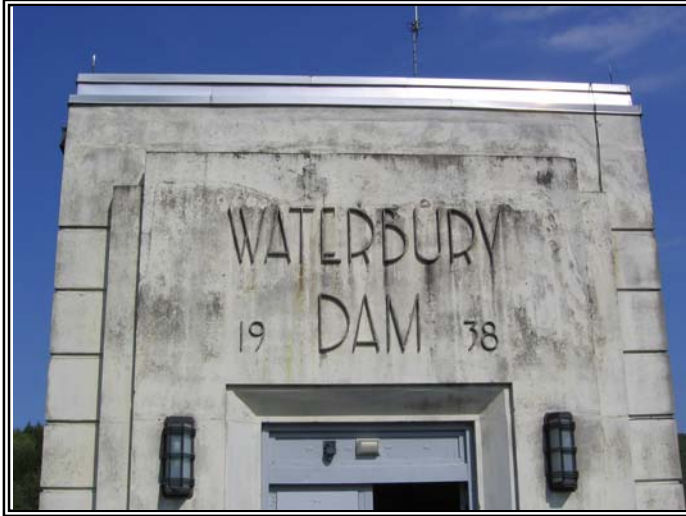
## **VT ASCE Section News**

### **VTASCE EXPRESSES IT'S SINCERE CONDOLENCES THOSE LOST IN THE 35-W INTERSTATE BRIDGE COLLAPSE**

We here at VTASCE are extremely saddened by the historically tragic events that occurred last week in Minneapolis. For further information about what ASCE National is doing in terms of investigation, public policy initiatives, and education, visit [www.asce.org](http://www.asce.org).



## MAY MEETING OVERVIEW



Mr. Bob Finucane discussed problems, repairs and planning for the remediation of the Waterbury Dam in Waterbury, VT. There was a site visit before dinner in which Mr. Finucane lead the group around the Dam and its structures. We viewed the outlet structures, the toe and the crest of the Dam. We also were shown the instrumentation that is installed in the Dam to monitor water flow through the Dam.

We had dinner at Michael's on the Hill in Waterbury, VT and the food and atmosphere was excellent.

VTASCE also inducted its new Board of Directors for 2007-2008 with the help of Mr. Tony Puntin, Governor No. 4 in Region 1. We were very grateful to Mr. Puntin attendance at our year-end meeting.



## RENEW YOUR ASCE MEMBERSHIP

Renew your 2007 ASCE membership if you have not already done so.

### Three Easy Ways to Renew Your Membership:

- Use your 2007 renewal form,
- Go online, using your online account with User ID and password. If you don't yet have a User ID and Password, please create a member account using your last name and ASCE member ID,
- Call Member Services at (800) 548-ASCE (2723) or (703) 295-6300 between the hours of 8:30 a.m.-6:00 p.m. ET, Monday-Friday.

If you are not currently a member, please contact: Shawn Kelley at 802-674-2033 x 209 or at [skelley@geodesign.net](mailto:skelley@geodesign.net) for membership materials. You may also contact Curtis Nunley at [cnunley@asce.org](mailto:cnunley@asce.org).

## ASCE VT SECTION FUND RAISERS

### **I. COMPANY ADVERTISEMENTS**

We are now selling advertisement space in our newsletter. The price for advertisement will be:

- \$12.50 per Ad in 1 Newsletter
- \$38.00 per Ad in 4 Newsletters
- \$50.00 per Ad in 8 Newsletters
- \$62.50 per Ad in 12 Newsletters

These prices also include the posting of the same advertisement on our new website! Please note the updated fees.

Show your support for ASCE and post your company logo and business card in our newsletter.

Please send your advertisement to our Newsletter Editor, Shawn P. Kelley. It should include your company logo (.jpeg or .tiff) and a business card.

### **II. JOB POSTING ADVERTISEMENTS**

We are now selling employment opportunity advertisement space in our newsletter. The price for advertisement will be:

- \$25.00 per Ad in 1 Newsletter
- \$90.00 per Ad in 4 Newsletters
- \$170.00 per Ad in 8 Newsletters
- \$250.00 per Ad in 12 Newsletters

These prices also include the posting of the same advertisement on our new website! PLEASE NOTE: if you purchase a job posting, your company automatically will receive a free Company Advertisement. Please note the updated fees.

Please send your advertisement to our Newsletter Editor, Shawn P. Kelley. It should include your company logo (.jpeg or .tiff), the text for the advertisement, and a business card (for the Company Advertisement section).

### **III. DO YOU HAVE AN OLD CELL PHONE?????**

Consider donating your old cell phone to the ASCE VT SECTION. We will take your phone and turn it into cash and use it for our ASCE VT Section. We use donations to support local ASCE Student Chapters and VT Section sponsored events. Please consider mailing your cell phone to Shawn Kelley at GeoDesign, Inc. P.O. Box 699, Windsor, VT 05089.

### **UPDATE YOUR CONTACT INFORMATION**

The Vermont Section of ASCE depends on its membership to update their member information with ASCE National. Please make sure ASCE has your latest contact information by calling 1-800-548-ASCE (2723) or visiting [www.asce.myprofile.org](http://www.asce.myprofile.org) to update your record.

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## **Civil Engineering Companies/Univ./Societies in Vermont: News and Announcements**

### **NORWICH MCE PROGRAM**

Are you prepared for today's multi-disciplined civil engineering environment?

A technical degree alone is no longer enough to advance in today's multi-dimensional civil engineering environment according to the ASCE\*.

To advance in today's highly competitive civil engineering industry, it is essential to have a strong understanding of both technical and managerial concepts applicable to engineering projects. You need the proper balance of skills to tackle complex issues like increased globalization, outsourcing, the accelerated introduction of new technologies, and increased diversity in society.

In response to these needs, and the recent recommendations of the American Society of Civil Engineers (ASCE), Norwich University's Civil Engineering and Business Management Departments have collaborated to develop an online Master of Civil Engineering program unlike any other offered in the country.

Learn more. Visit [www.mce.norwich.edu/et](http://www.mce.norwich.edu/et)

#### **A 3-in-1 Program**

This unique program combines civil engineering technical competency with business and project management fundamentals in a single online program – designed to propel your career to the next level.

Specialize in Structural or Environmental/Water Resources You can customize this degree to meet your particular professional goals.

Choose a specialized track in either structural or environmental/water resources engineering – then apply your learning immediately on the job.

The First Civil Engineering Program in the US This innovative online program gives you access to the first private university in the US to offer an engineering program, and Norwich's legacy of 187 years of academic excellence.

#### **Personal Attention**

We pride ourselves on the personal attention we provide to individuals.

Our classes are capped at 17 students and you will travel through the entire program with this same group of classmates. By the end of the program you'll have built life-long relationships with your fellow students and you'll also get to know our support staff on campus as they assist you along every step of the way. Our hands-on approach produces excellent retention rates and you will graduate feeling a part of Norwich University. You will become a proud alumnus for life.

Gain the Latest Skills to Advance Your Career Step out ahead of your peers. Take advantage of this rare opportunity to acquire the technical, business, and project management skills to advance your career. For more information visit us online at [www.mce.norwich.edu/et](http://www.mce.norwich.edu/et).

## STANTEC DONATES \$50,000 TO WATER FOR PEOPLE

Today Stantec announced it is donating \$50,000 to Water for People, a US and Canadian charity organization that provides water, sanitation, and hygiene education support to developing countries and has several representatives throughout New England. The donation also recognizes National Drinking Water Week, which is celebrated this week throughout North America.

“The work Water for People does is crucial to global health and truly in line with the work companies like ours do to provide safe public infrastructure,” says Richard Allen, leader of Stantec’s US East region who works from the Company’s Boston office. “Stantec is proud to support the organization and I am personally honored to be a part of the experience.”

In 2003, Stantec supervised the construction of a water supply infrastructure project in Malawi, Africa, one of Water for People’s targeted countries. Since then, several of the Company’s offices have been active in the organization, volunteering for fund-raising events, contributing in-kind services, and providing employees as committee and board members. This \$50,000 donation allows Stantec to provide direct support to targeted projects, including continued work in Malawi.

“We are thrilled that we have the opportunity to make a donation of this size,” says Tony Franceschini, Stantec President & CEO. “Stantec has been involved with Water for People at varying levels for many years now and this kind of company-wide commitment will truly help the organization’s continuing efforts to improve drinking water and health across the globe.”

Water for People was established by the American Water Works Association in 1991 to help ease a growing concern over the accessibility of safe drinking water in developing countries. Water for People lends its support primarily to Bolivia, Guatemala, and Honduras in Latin America, and to Malawi in Central Africa.

Stantec provides professional design and consulting services in planning, engineering, architecture, surveying, economics, and project management. We support public and private sector clients in a diverse range of markets in the infrastructure and facilities sector at every stage, from initial concept and financial feasibility to project completion and beyond. Our services are offered through over 6,500 employees

operating out of more than 100 locations in North America. Stantec trades on the TSX under the symbol STN and on the NYSE under the symbol SXC.

## THREE UTILITIES RECOGNIZED FOR SAFE WATER PRACTICES

The Champlain Water District (**Vermont**), the city of Cleveland (Ohio) Division of Water and the Southern Nevada Water Authority have received national awards for their ongoing efforts to provide optimum quality drinking water, the Partnership for Safe Water announced on May 2.

Their treatment plants have maintained the Directors Award of recognition from the Partnership for Safe Water for 10 years. It is the first time that any utility has received this honor. The Partnership for Safe Water is a national volunteer initiative developed by EPA and other water organizations representing water suppliers who strive to provide their communities with drinking water quality that surpasses the required federal standards. The Directors Award is presented to water systems that have completed a successful review in the partnership's Self-Assessment and Peer Review phase, a phase in which utilities examine the capabilities of their treatment plant operation and administration and then create a plan for implementing improvements. The Ten-Year Directors Award plants are:

### **Champlain Water District (Vermont) -- Peter L. Jacob Water Treatment Plant**

City of Cleveland (Ohio) Division of Water -- Nottingham Water Treatment Plant  
Southern Nevada Water Authority (Nevada) -- Alfred M. Smith Water Treatment Plant.

For more information on the Partnership for Safe Water, visit <http://www.epa.gov/safewater/psw/psw.html>.

*If your company has any news you would like to share with other ASCE members, please submit your article to Shawn Kelley, VT Section Newsletter Editor at [skelley@geodesign.net](mailto:skelley@geodesign.net).*

## Message from the Editor

The Green Mountain Civil Report is the newsletter of the Vermont Section of the American Society of Civil Engineers. This newsletter intends to keep you up-to-date on the activities of civil engineers around our state.

Please feel free to contact us with your announcements. We will include them in the newsletter. The newsletter is typically distributed via email, however if you would like a hard copy or if you are not receiving the E-Newsletter and would like to, please contact Shawn Kelley (President, Newsletter Editor, Webmaster) at [skelley@geodesign.net](mailto:skelley@geodesign.net) or any of the officers listed at the end of the newsletter.

## ASCE National Information/News

### THE TASK COMMITTEE ON THE GRADE OF HONORARY MEMBER MAKES MOTION TO CHANGE TO DISTINGUISHED MEMBER

**MOTION:** The Task Committee on the Grade of Honorary Member recommends the Board approve by 2/3 vote on first reading an amendment to the Constitution to revise the title of the grade of Honorary Member to Distinguished Member and to add the grade of President-Emeritus.

The Task Committee believes that the Honorary Member / Distinguished Member grade should be limited to members of the Society who have attained the grade of Member or Fellow prior to their nomination for Honorary Member / Distinguished Member and will incorporate this change into the Bylaws amendments required to affect the title change for the grade.

This QUESTION is on our National Ballot for elections which is due electronically by 8/14/07.



SAVE THE DATE-  
REBUILDING

## TOGETHER COMMUNITY SERVICE EVENT

Nov. 4, 7:30 a.m. - 5:00 p.m.

### **Rebuilding Together,**

at the ASCE National Convention in Orlando, FL.  
Let's Make a Difference in Orlando!

The ASCE Committee on Volunteer Community Service and Rebuilding Together® of Central Florida, an organization devoted to revitalizing houses for low-income homeowners, invite you to spend a day performing community service while attending the Annual Conference. This year our site is the Frontline Outreach Center in Orlando, a non-profit facility that serves children and families with pre-school programs, after-school programs, family education, and recreation. Potential volunteer projects include rehabilitating their exterior parking area by performing a traffic flow study, striping the lot, pulling back the edge of the parking to proper setbacks, constructing a trash dumpster enclosure, improving the landscaping, and interior painting and projects. Don't miss this opportunity to put your engineering skills to work for a good cause and help us make a difference in Orlando!

If you are interested in participating, please contact Alicia Karwoski at 800-548-2723 ext. 6324 or [akarwoski@asce.org](mailto:akarwoski@asce.org). Look for more details on the web and in the Section Informant as they become available.

### NTSB RULES 'EPOXY CREEP' WAS CAUSE OF BIG DIG'S TUNNEL FAILURE



The National Transportation Safety Board (NTSB) has determined that the probable cause of last year's fatal ceiling collapse in the I-90 connector tunnel of Boston's Big Dig was the use of an epoxy anchor adhesive with poor creep resistance. In addition, the NTSB said the use of an inappropriate epoxy

formulation resulted from a general lack of understanding and knowledge in the construction community about creep in adhesive anchoring systems. Among its recommendations, the agency urged ASCE to emphasize within the profession the need to assess the creep characteristics of adhesive anchors before those anchors are used in sustained tensile-load applications.

## CONTINUING EDUCATION (SUMMER/FALL 2007)

Detailed descriptions of the seminars (by title) are available on ASCE's website at [www.asce.org/conted/seminars](http://www.asce.org/conted/seminars). If you have questions or need assistance, please contact Kelly Jarvis, Continuing Education Registrar at [kjarvis@asce.org](mailto:kjarvis@asce.org), or

August 23-24, 2007 Portland, ME  
Strategic Planning, Valuation & Ownership Transitions for Engineering Firms (Management)

September 13-14, 2007 Albany, NY  
Seismic Design of Highway Bridges (Structural)

September 13-14, 2007 Cape Cod, MA  
Wind Loads for Buildings & Other Structures (Structural)

September 19-21, 2007 Portland, ME  
Planning, Construction and Risk Management in Tunneling (Geotechnical)

September 20-21, 2007 Boston, MA  
Leadership Development for the Engineer (Management)

September 20-21, 2007 Boston, MA  
Design, Construction, and Renovation of Masonry Structures (Structural)

September 26-28, 2007 Boston, MA  
Techniques for Pavement Rehabilitation (Transportation)

September 27-28, 2007 New York City Metro Area  
Pipe and Pipeline Renewal (Geotechnical)

September 27-28, 2007 **Burlington, VT**  
Probabilistic Methods in Geotechnical Engineers (Geotechnical)

October 10-12, 2007 **Burlington, VT**  
HEC-RAS Computer Workshop (Hydraulics)

October 11-12, 2007 Boston, MA  
Pumping Systems Design for Civil Engineers (Hydraulics)

October 17-19, 2007 Boston, MA  
Dam Breach Analysis Using HEC-RAS (Hydraulics)

November 01-02, 2007 Boston, MA  
Project Management (Management)

November 07-09, 2007 Boston, MA  
Risk Assessment and Management for Buildings and Infrastructure Security (Management/Structural)

November 15-16, 2007 New York City Metro Area  
Structural Design of Residential Bldgs Using the 2006 International Residential Code (Structural)

November 29-30, 2007 Cambridge, MA  
Low Impact Development (Hydraulics/Environmental)

## CONTINUING EDUCATION WEBINARS (Sept 2007)

*For more information on ASCE's webinars, go to [http://www.asce.org/conted/distancelearning/online\\_webseminars.cfm](http://www.asce.org/conted/distancelearning/online_webseminars.cfm)*

Wed Sep 05:	Mentoring: Implementing a Program in Your Organization
Thu Sep 06:	On-Site Circulation and Access Design for Commercial Developments ~Part II
Tue Sep 11:	Live P.E. Exam Review I: Structural Analysis
Tue Sep 11:	Specifying Metal Building Systems
Wed Sep 12:	Developing Effective Teams
Thu Sep 13:	Intersection Design and Channelization
Thu Sep 13:	Live P.E. Exam Review II: Structural Design
Tue Sep 18:	Design of Moment-Resisting Foundations for Pre-Engineering Buildings
Tue Sep 18:	Live P.E. Exam Review III: Soil Mechanics
Wed Sep 19:	Negotiating Better Engineering and Architectural Contracts
Thu Sep 20:	Live P.E. Exam Review IV: Foundation Engineering
Thu Sep 20:	Traffic Calming: Best Practices, Part I
Tue Sep 25:	Live P.E. Exam Review V: Hydraulics and Water Supply
Tue Sep 25:	Renovation of Wood Trusses
Wed Sep 26:	Design of Wood-Framed Sloped Roofs
Thu Sep 27:	Live P.E. Exam Review VI: Open Channel Flow
Thu Sep 27:	Traffic Calming: Lessons Learned, Part II

## CONTINUING EDUCATION WEBINARS (Hurricane Katrina)

In case you did not know, ASCE has been hosting webinars about Hurricane Katrina. Here is a list of remaining Webinars:

Aug. 10 **Hurricane Katrina: Societal Impacts and Hazard Mitigation ~ Part VIII**

Aug. 17 **Hurricane Katrina: Levee and Floodwall Performance I ~ Part IX**

Aug. 24 **Hurricane Katrina: Levee and Floodwall Performance II ~ Part X**

Aug. 31 **Hurricane Katrina: Geodetic Vertical and Water Datums ~ Part XI**

Sept. 07 **Hurricane Katrina: Interior Drainage and Pump Stations ~ Part XII**

Sept. 14 **Hurricane Katrina: Ethical Obligations Exposed ~ Part XIII**

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## ASCE GOVERNMENT RELATIONS

### KEY CONTACT PROGRAM

The ASCE Key Contact Program provides busy civil engineers with opportunities to get involved in public policy activities.

Joining is easy! Visit <http://www.asce.org/govrel> and click on "Key Contact Program" to complete the online registration form. Brochures and additional information materials are available to distribute at Section and Branch meetings and gatherings. Contact Leslie Nolen, ASCE's Senior Manager of Grassroots and State Government Relations, at [lnolen@asce.org](mailto:lnolen@asce.org) or 202-789-7846 for more information.

## ASCE'S INTERNET ADVOCACY WEBSITE

(The new "Six Clicks" Advocacy Website - <http://www.asce.org/advocacy.html>)

An easy way to connect with your legislators to...

- Send your federal or state representative a message on current civil engineering legislation.
- Learn about issues and bills affecting civil engineering that are active in congress and your state legislature.
- Track how your U.S. Representative and Senators voted on key ASCE bills.

## MEET YOUR MEMBER OF CONGRESS WITH ASCE GOVERNMENT RELATIONS' BACK HOME VISIT PROGRAM

What is your Congressional Representative's civil engineering IQ? Can you trust that he or she has the necessary knowledge when voting on issues affecting civil engineering, such as transportation reauthorization and science and technology issues?

### **How Can I Make My Voice Heard?**

Back Home Visits provide ASCE members with an opportunity to meet with their local U.S. Representative at home in the district to discuss current legislative issues relating to civil engineering. **The ideal time to arrange a Back Home Visit is during the August Congressional District Work Period, Aug. 6-31.**

### **ASCE Can Help Schedule Your Visit**

**Please email ASCE's Government Relations Staff at: [govwash@asce.org](mailto:govwash@asce.org) before Aug. 10** about your interest in participating along with your availability for a meeting during August in your local area. We will request a meeting on your behalf, coordinate scheduling and provide you with briefing materials in advance.

### **ASCE members need to communicate the society's policy priorities to their**

**Representatives** and let them know what needs to be done to improve our infrastructure. Even if your daily work as a civil engineer doesn't deal with these action items directly, remember that sound infrastructure is in everyone's best interest. Contact ASCE Government Relations at [govwash@asce.org](mailto:govwash@asce.org) or 202-789-7850 with specific questions or concerns relating to Back Home Visits, the Report Card or the Infrastructure Action Plan.

## NATIONAL NEWS

### **ASCE INFRASTRUCTURE REPORT CARD RECEIVES NATIONAL RECOGNITION**

Thursday, July 26, 2007, ASCE President-elect David Mongan was a guest on the nationally syndicated NPR program *The Diane Rehm Show*. President-elect

Mongan joined other guests Douglas Palmer, Mayor of Trenton, NJ and President of U.S. Conference of Mayors and Janet Kavinoky, Director of Transportation Infrastructure at the US Chamber of Commerce to discuss the nation's crumbling infrastructure.

Following last week's steam pipe explosion in New York City, addressing the substandard state of the nation's infrastructure and public works has come into new focus. ASCE's Infrastructure Report Card has received heightened attention from the media, including NBC's *Nightly News* and *The Today Show*, for its comprehensive analysis of the failing infrastructure and how to begin improving it. Thursday's discussion on *The Diane Rehm Show* brought together representatives from the engineering community, the government, and the business community and highlighted the need for all three to work together to find practical solutions.

If you missed the program, visit <http://www.wamu.org/programs/dr/07/07/26.php#17248> to hear the segment in its entirety.

### **NATIONAL INFRASTRUCTURE BILL PASSED**

ASCE-endorsed legislation to create a commission to study the nation's infrastructure needs received priority treatment in the U.S. Senate this week in the wake a bridge collapse Minneapolis.

The Senate late Thursday night passed the National Infrastructure Improvement Act (S. 775), a bill that would establish a national commission to assess the physical condition of America's infrastructure and recommend ways to improve it. The Senate Environment and Public Works Committee unanimously approved the bill at a committee markup session Tuesday.

The bill would create the National Commission on the Infrastructure of the United States and require it to complete a study of "all matters relating to the infrastructure of the United States" by February 15, 2009. The study will report on infrastructure improvements that aid in long-term economic development; the age and condition of public infrastructure; financing methods for the construction and maintenance of public works projects; trends in innovative financing and investment needs; and the

projected federal-state share of investment.

"We believe this effort is essential to beginning a robust national debate on the best way to solve our festering infrastructure problems," ASCE said in a letter to Sen. Thomas Carper (D-DE) and Sen. George Voinovich (R-OH), the bill's primary sponsors. Also co-sponsoring the bill are Sen. Norm Coleman (R-MN) and Sen. Hillary Clinton (D-NY).

### **NEW COMMANDER of Army Corps of Engineers**

Lt. Gen. Robert Van Antwerp, P.E., was confirmed by the Senate this week as chief of engineers and commander of the Army Corps of Engineers. He will replace Lt. Gen. Carl A. Strock, P.E., M.ASCE who retired after 36 years of military service.

Gen. Van Antwerp is a graduate of the U.S. Military Academy and holds a Master of Science in mechanical engineering from the University of Michigan and Master of Business Administration from Long Island University, NY. He has served as commanding general of the U.S. Army Accessions Command since November 2004.

### **VERMONT LEGISLATION/NEWS**

State officials are urging central Vermont residents to avoid contact with rivers until the pollutants dilute downstream. "Folks should definitely stay away from water for a couple days," said Pete LaFlamme, director of the Water Quality Division at the Department of Environmental Conservation. Gas, sewage and other toxic pollutants entered the river system in significant volumes Wednesday after high waters inundated basements and gas tanks. LaFlamme said a hemorrhaging sewer main in Barre Town was among the state's biggest concerns. LaFlamme said the state could not calculate the amount of pollution introduced to the rivers, but called the damage "substantial." Representatives from the Agency of Natural Resources' Rivers Management Division and Wastewater Management Division will help towns "guide the repair of damage," according to LaFlamme. While immediate work will focus on basic infrastructure needed for health and safety, like roads and sewer mains, restoration of eroded stream banks may follow in the future. *Times Argus (Barre Montpelier)* 7/13

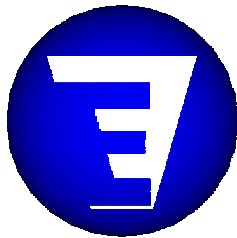
## Job Offerings

1)



### Geotechnical Engineer

GeoDesign, Inc. is seeking applicants for geotechnical engineering opportunities in VT and CT. Positions include internships and full-time assignments. Visit our website at [www.geodesign.net](http://www.geodesign.net) for company contact information.



2)

**Engineering Ventures, Inc.**

### Civil/Site and/or Structural Project Managers & Engineers

Progressive engineering firm seeks experienced, creative engineers to become part of a highly reputable, local and growing firm engaged in a wide range of high quality private and public design projects. Positions in Burlington, Vermont and Lebanon, NH. Submit letter of interest and resume to: [trishd@engineeringventures.com](mailto:trishd@engineeringventures.com) or fax to 802-863-6306

3) Bath Iron Works

A GENERAL DYNAMICS COMPANY

### Structural Engineer

#### Detailed Description of Work:

- Perform structural analysis of Naval Surface Combatant hull structure, equipment foundations and outfitting, utilizing Finite Element Analysis methods, as well as, traditional hand calculation techniques involving application of shipbuilding industry standards and requirements.
- Apply engineering judgment, experience, analytical skills, and applicable rules to complete structural trade studies and generate arrangements of structure for new ship design concepts.

- Complete engineering analysis support of manufacturing methods and tools for ship construction. Primary efforts center on; lifting and turning of ship units, ship support, as well as, jigs and fixtures used in the construction process.
- Participate in or lead technical interchanges on issues with customers such as U.S. Navy (NAVSEA and Supervisor of Shipbuilding), or others.

#### Qualifications for Position:

- BS in Structural, Civil, or Mechanical Engineering or equivalent required, MS preferred.
- Knowledge of U.S. Navy shipbuilding: SWBS organization, structural requirements (DDS), Engineering Change Proposal process preferred.
- Minimum of 5 plus years shipbuilding experience preferred.
- Demonstrated experience in Navy ship shock requirements preferred.
- Strong leadership and project management skills.
- Demonstrated knowledge of structural analysis methods, both traditional and hand calculation, as well as, FEA, especially with software tools, FEMAP, PATRAN, NASTRAN required.
- Strong technical writing and communication skills required.
- Ability to present effective and concise oral and written communications.
- Demonstrate personal time management capability.
- Able to receive U.S. Government DoD security clearance.
- Pay range commensurate with experience.

#### INSTRUCTIONS TO APPLICANTS

Please email cover letter and resume with job posting JPN912 in the subject: and stated in the cover letter to: [employment@gdbiw.com](mailto:employment@gdbiw.com)



4)

### **CIVIL/ENVIRONMENTAL ENGINEER**

The Rutland office of SVE Associates, a civil/survey engineering firm with offices in Brattleboro, Rutland and Norwich, Vermont, and Greenfield, MA and Keene, NH has an opening for a **Professional Civil/Environmental Engineer**. The applicant should have a State of Vermont Professional Engineering license (with an ANR's Designer License Compliance preferred) with experience in site and water/sewer/stormwater system design and a working familiarity with State

of Vermont environmental regulations and their permitting process.

Interested candidates may submit a cover letter and resume to:

SVE Associates  
 Att'n: Michael H. Roberts, P.E.  
 69 Grove Street  
 Rutland, VT 05701  
 Telephone: (802) 775-1181  
 or mroberts@sveassoc.com

5)

 <p>Vermont * New Hampshire * Maine</p> <p>CLD offers a competitive salary, top flight benefits, and a great work environment, full of opportunity, challenge and reward!</p> <p><u>Interested candidates:</u>        Contact Lisa King at        CLD Consulting Engineers,        Inc.        540 Commercial Street,        Manchester, NH 03101        Or via e-mail to        lisak@cldengineers.com</p>	<p><b>EXPERIENCED PROFESSIONALS</b></p> <p>We are seeking top-notch, talented candidates to fill a range of positions. Join a great team of dynamic professionals!</p> <p><u>Norwich, Vermont:</u></p> <ul style="list-style-type: none"> <li>• LSS/PLS</li> </ul> <p><u>Manchester, NH:</u></p> <ul style="list-style-type: none"> <li>• Civil/Site Project Engineers/Managers</li> <li>• Cad Technician/Graphics Technician</li> </ul> <p><a href="http://www.cldengineers.com">www.cldengineers.com</a></p> <p>CLD is an Equal Opportunity Employer</p>
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This individual will be responsible for assisting the Principal Environmental Engineer with a variety of civil projects and environmental compliance functions which include assessment or remediation of manufactured gas, substation and underground storage tank sites, coordinating with consultants and communicating with state and federal regulatory agencies as necessary; assisting with emergency spill responses and any follow-up remediation; supporting hydroelectric operation and maintenance operations; overseeing projects to assure all requirements are met or exceeded and issue summary reports; tracking the status of permitted (transmission/distribution) construction projects and maintain and update databases of permitted facilities; inspecting construction sites for compliance with permits conditions and conduct post-construction inspections.

The Environmental Engineer will work closely with other departments to introduce, develop, and implement new programs to improve ongoing Corporate Compliance efforts to include stormwater, solid waste and recycling programs. They will also assist Hazardous Materials Specialists with the operation of the Corporate Treatment, Storage and Disposal and the proper storage, shipment and disposal of hazardous and non-hazardous waste.

Successful candidates will have a Bachelors Degree in Environmental or Civil Engineering, successful completion of the Fundamentals of Engineering Exam and 2-5 years of experience.

CVPS seeks employees who want to be empowered to make decisions, take a “can-do” approach to their jobs, are life-long learners, and who maintain a clear customer focus and drive toward results. In exchange, we provide a supportive environment, competitive wages and a full spectrum of benefits.

Please refer to our web site for a more complete description of this position. Please forward your resume and a copy of our application, which is available at [www.cvps.com](http://www.cvps.com), to:

Human Resources  
 Central Vermont Public Service  
 77 Grove St.  
 Rutland, VT 05701  
 Fax: 802-770-3258

6)  **Central Vermont Public Service**

**ENVIRONMENTAL ENGINEER**

CVPS, Vermont’s largest electric utility, has an immediate opening for an Environmental Engineer at its Rutland location.

Via email: [resumes@cvps.com](mailto:resumes@cvps.com)  
EOE- Females and Minorities Encouraged to Apply



**CIVIL ENGINEER** – Consulting engineering firm seeks civil engineer for Vermont offices. Professional Engineer License in Civil Engineering required. Project exposure may include water treatment and distribution, wastewater treatment and collection, site development, stormwater treatment and roadway design. Seeking an individual with solid technical background, common sense, a positive attitude and a good sense of humor. Must be able to manage projects, budgets and client contact.

Otter Creek Engineering is a growing consulting engineering firm with a solid reputation as committed professionals. Founded in 1998, the firm has grown to a staff of twenty in two Vermont offices. Our goal is controlled growth based on solid project backlog and financial stability. The firm's focus has been on design and construction review of a broad spectrum of water, wastewater, site development, stormwater, roadway, hydrogeology, and environmental remediation projects. We provide full services including topographic surveys, engineering design, permitting and funding assistance and construction phase services.

We offer a competitive salary and benefits including: payment of health insurance premiums, disability insurance, retirement plan, paid holidays, paid vacation, and a great work environment. Send resume and references to Otter Creek Engineering, Inc., P.O. Box 712, 404 East Main Street, East Middlebury VT 05740, or [HR@OtterCrk.com](mailto:HR@OtterCrk.com).



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Engineer experienced with water and wastewater facilities. Projects are primarily municipal located in Vermont, New Hampshire and Maine. This firm has developed long term relationships with clients by providing high quality service. Duties include: development of construction plans and specifications, preparation of engineering reports, evaluation of new and existing facilities, development of project scope and both engineering and construction cost estimates, working with other design team members (structural, electrical and mechanical), communication with clients, operators and regulators, and management of multiple projects. There is potential for professional growth in the firm and a casual atmosphere working with experienced staff. We offer competitive salary and benefits. Submit letter of interest and resume to: [contact@leachengineeringvt.com](mailto:contact@leachengineeringvt.com).



### ENGINEERING OPPORTUNITIES

DuBois & King, Inc. is a multi-discipline consulting engineering firm with a forty-five year history of providing innovative, high-quality, professional consulting services. Our Williston, VT office location offers a great work environment minutes from Vermont's largest city. We are employee-owned, offer excellent benefits and a competitive salary.

We are currently seeking the following professionals for our expanding Building Services Division in our Williston office:

**STRUCTURAL ENGINEER** – a minimum of 5 to 10 years experience in design and construction of structural systems for commercial, industrial, institutional and municipal projects. P.E. and experience using structural engineering software required. LEED AP preferred.

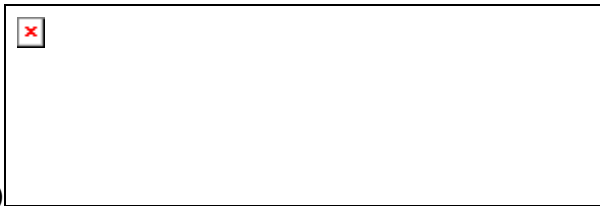
**ELECTRICAL ENGINEER** – a minimum of 4 to 8 years experience in power supply and distribution and lighting design for commercial, residential, institutional and industrial projects. P.E. required. LEED AP preferred.

**MECHANICAL ENGINEER** – with demonstrated experience in the delivery of mechanical engineering services for residential, commercial, institutional and industrial projects. Commissioning a plus. PE required. LEED AP preferred.

If you are interested in applying for any position listed, please send resume to: DuBois & King, Inc., P.O. Box 339, Randolph, VT 05060 or e-mail [cherlihy@dubois-king.com](mailto:cherlihy@dubois-king.com), or fax 802-728-4930.

Visit our website at [www.dubois-king.com](http://www.dubois-king.com) for more info on DuBois & King, Inc.

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10) **ENGINEERED SOLUTIONS, PC**

**Civil Engineer**

Burlington, Vermont

Civil Engineer, 5-10 years experience, licensed or on track to licensure. Experience with wastewater, stormwater, transportation, site design, planning, and permitting helpful. Understanding of client relations and project management a must. Send resume to [Parm@esivt.com](mailto:Parm@esivt.com).

11)  **United States Department of Agriculture  
NRCS Natural Resources  
Conservation Service**

Position: Agricultural (or civil) Engineer  
Salary: GS-5/7/9/11 (\$33,309 - \$68,787)  
Location: St. Albans, Vermont  
The USDA - Natural Resources Conservation Service in Vermont is seeking to employ a full time agricultural/civil

engineer to provide technical assistance to private landowners for conservation programs. The majority of work will include the design and construction inspection of manure storage and handling systems on dairy operations. For more information go to:

<http://jobsearch.usajobs.opm.gov/getjob.asp?JobID=60238479&brd=3876&AVSDM=2007%2D07%2D20+05%3A06%3A54&q=usda%2C+nrcs&sort=rv&vw=d&Logo=0&FedPub=Y&lid=642&FedEmp=Y&SUBMIT1.x=77&SUBMIT1.y=14&jbf571=9&ss=0&TabNum=7&rc=3>

Announcement closes August 20, 2007. Contact Human Resources at (207) 990-9501 for additional information about this position. USDA is an Equal Opportunity Provider and Employer.

**END OF JOB OFFERINGS**

*If your company has any job openings, please submit them to Shawn Kelley, VT Section Secretary and Newsletter Editor at [skelley@geodesign.net](mailto:skelley@geodesign.net) for posting.*

**Company Directory**



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**Trish Densham**  
Administrative Systems Manager

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[www.sveassoc.com](http://www.sveassoc.com)



**Scott A. Williams, PE**  
Project Engineer

[scottw@cldengineers.com](mailto:scottw@cldengineers.com)

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Norwich, VT 05055

ph: (802) 649-1154 ext. 104  
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**Joseph D. Guertin, P.E.**  
Senior Principal



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**USDA - Natural Resources  
Conservation Service in Vermont**

# UPCOMING EVENTS

## 1) 7<sup>th</sup> International Symposium on Field Measurements in Geomechanics



The Geo-Institute of ASCE is pleased to present the 7th International Symposium on Field Measurements in Geomechanics. The conference will be held in at The Boston Park Plaza & Towers in Boston, MA during September 24-27, 2007. The 7th FMGM Conference is expected to draw experts and practitioners from every continent and more than 40 countries who work in infrastructure, construction, mining, petroleum, and the geoenvironmental fields.

## 2) ASCE NATIONAL CONFERENCE November 1 – 3, 2007, ORLANDO, FL!



Save the Date! The biggest engineering conference of the year is ramping up. This year ASCE's theme is "Infrastructure for all Generations: Plan, Design, Build, Manage." To support this important event ASCE has many exciting technical sessions, symposiums and roundtables planned. Stimulating topics will range from Transportation and Rail, to Everglades-Building the System, and Shuttle Redesign. Then get ready for some fun, with thrilling tours of NASA and more. Go to [www.asce.org/conferences](http://www.asce.org/conferences) for more information.

## 3) GeoCongress 08



Geo-Congress 2008 Draft Paper Submissions Open

When: March 9-12, 2008

Where: Sheraton New Orleans

Details:

<http://content.asce.org/conferences/geocongress200>

8/ Once again, the Geo-Institute of ASCE returns to New Orleans to bring you GeoCongress 2008. The Congress will be alive with discussions of current trends on the role of geengineers and geoscientists in protecting and preserving our environment and will highlight the expansive and interdisciplinary nature of geoenvironmental issues. ASCE would like to remind you that draft paper submission is now open for Geo 08.

## 4) 2008 Structures Congress



2008 Structures Congress  
Vancouver, Canada April 24-26,  
2008. Deadline for Abstract

Submissions: June 15

The 2008 Structures Congress Call for Papers is now open. Paper abstracts should be no more than two printed pages per abstract. Paper abstracts must

include each author's full name, credentials, affiliation, location, and contact information (including email address). Any special comments should be written at the bottom of the abstract page. Please visit

<http://content.asce.org/conferences/structures2008/call.html> for more information.

## 5) GEESD IV Draft Paper Submissions Open



When: May 18-22, 2008

Where: Sheraton Grand Sacramento Hotel,  
Sacramento, Calif.

Details:

<http://content.asce.org/conferences/geesd08/>

GEESD IV is the 4th decennial Geotechnical Earthquake Engineering and Soil Dynamics Conference organized by the EESD Committee of ASCE's Geo-Institute. GEESD IV will bring together the broad community of geo-professionals working on earthquake engineering and soil dynamics problems for this comprehensive decennial examination of our technical disciplines. Draft paper submission for this innovative conference is now open.

## **2007/2008 ASCE VERMONT SECTION OFFICERS**

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**VERMONT SOCIETY OF ENGINEERS  
7<sup>TH</sup> ANNUAL FALL GOLF CLASSIC  
SCHOLARSHIP TOURNAMENT**

\*\*\*\*\*  
\* **REGISTRATION** \*  
\*\*\*\*\*

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