

## The Green Mountain Civil Report

Newsletter of the Vermont Section of the American Society of Civil Engineers

Website <http://sections.asce.org/vermont>

### 2006 ASCE Meeting Schedule

<u>Date</u>	<u>Event</u>
May 24, 2006	VT ASCE May Meeting Lime Kiln Bridge Project

### May Meeting Announcement

#### VT SECTION ASCE YEAR-END MEETING

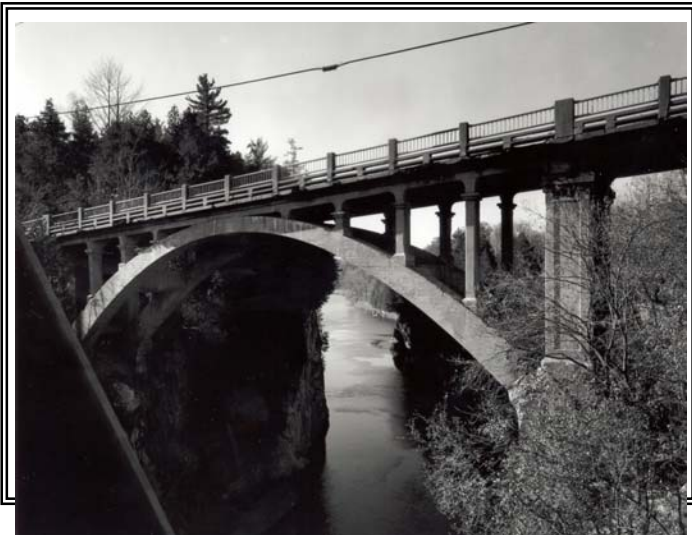
Date: Wednesday, May 24, 2006

Time: 3:45 pm to ~8:00 pm

#### TECHNICAL SITE TOUR

##### Lime Kiln Bridge Project.

Hard hats and proper footwear are **required** (no sneakers or sandals will be permitted). Orange vests are suggested.



### DINNER PRESENTATION: TECHNICAL PRESENTATION ON THE CONSTRUCTION OF THE NEW BRIDGE

### CONNECTING SOUTH BURLINGTON TO COLCHESTER

#### SYNOPSIS:

Sherward Farnsworth, P.E. from the VAOT will be presenting a project overview/history of the Lime Kiln Bridge project. The presentation includes a discussion of the structural design and problems that faced the designers such as the new alignment to the bridge and type and quality of bedrock. Current construction issues and photographs will also be presented.

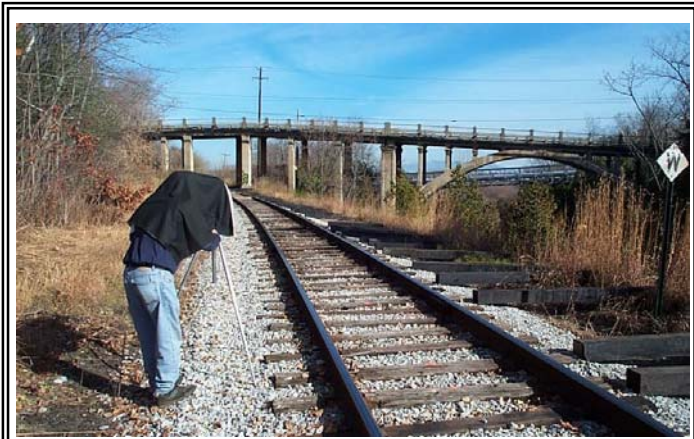


Please go to:

[www.aot.state.vt.us/archaeology/design/limekiln.htm](http://www.aot.state.vt.us/archaeology/design/limekiln.htm) to view some Historical Photos of the existing bridge.

As this is our year-end ASCE meeting, VT Section ASCE will be holding VT Section officer elections of 2006-2007, presenting year-end appreciation certificates, and we will also have a special guest. Mr. Paul Moyer, P.E., M. ASCE, Director in Region 1 will visit our Section and describe the

regovernance of ASCE and how that will affect our Section in Vermont.



With a total span of 279 feet, the bridge connects Airport Parkway in South Burlington with Route 15 in Colchester

Date: May 24, 2006  
Times: Site Tour: 3:45 – 4:45 pm  
Social Gathering 5:00 – 6:00 pm  
Dinner: 6:00 – 7:00 pm  
Presentation: 7:00 – 8:00 pm  
Location: Lincoln Inn, Essex Junction, VT  
Cost: \$35.00 – Student Members \$15.00  
Dinner: Choice of a Meat, Chicken, Vegetarian Dinner which includes a house salad, mashed potato, green beans, and dinner rolls. Hors D'oeuvres (vegetable platter and cheese and crackers) will be served during the cash bar at our Social Gathering!

**Reservations:** Contact Shawn P. Kelley for RSVP  
Phone: 802-674-2033 x 109  
Email: skelley@geodesign.net  
Fax your completed reservation at 802-674-5943  
Mail your completed reservation to GeoDesign, Inc. (see attachment at end of Newsletter)

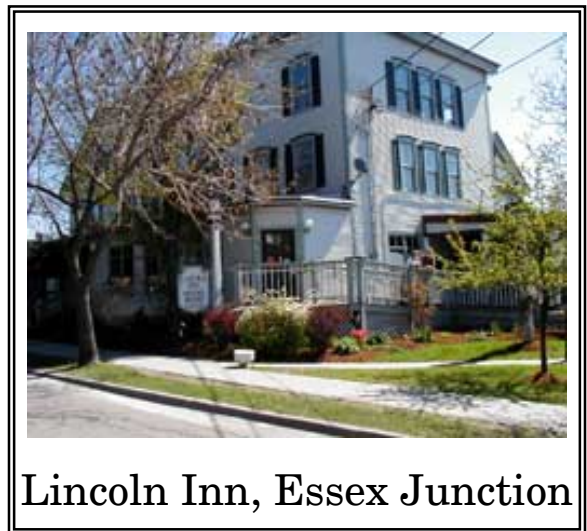
**RSVP Deadline:** by 5:00 pm on Wednesday, 5/17/06

**Directions to Lime Kiln Bridge Site Tour:** From Interstate 89 (there are two suggested parking areas):

- Take Exit 15 toward Essex Junction (US 15).
- Turn right onto Lime Kiln Road
- Take the first right into Salmon Hall area (first Parking Area for site tour)
- **Or** turn at the second left into Saint Joseph's Hall and Senior Hall (second Parking Area for site tour). The parking is out back of Saint Joseph's Hall and Senior Hall

**Directions to Lincoln Inn (Dinner Meeting):** From Interstate 89:

- Take Exit 15 toward Essex Junction (US 15).
- Travel 5 miles (eastbound) to Essex Junction
- At the Five Corners Intersection, turn right onto Route 2A (south).
- The Lincoln Inn will be immediately on your left.



Lincoln Inn, Essex Junction

## April Meeting Review

### Synopsis:

The afternoon sessions included technical presentations by Robert McCullough, Peter Ingraham, and Greg Liebert. The afternoon continued with presentations by the three engineering colleges in Vermont. UVM, Norwich University, and Vermont Technical College senior engineering students presented their senior design projects to Vermont engineers.

The evening presentation was given by Professor Frank Bryan, a political scientist at the University of Vermont, known throughout New England both as a humorist and a serious scholar. He presented a terrific presentation about Vermont, Vermonters, and Politics.

Professor Bryan had captured the audiences' attention with a brief history of Vermont. His discussion continued on "why Vermonters are so ornery" and why this will never change. Yankee Ingenuity was a common theme through the evening.

He ended his presentation with a great analogy for the State of Vermont to a car race. He recalled going to a small ½ mile race track when he was a child. During these races, it was not uncommon for the slower cars to be lapped because the race track was so small. This made it appear that the slower car was winning the race and is ahead of the pack. Professor Bryan compared this car race to the State of Vermont and its current political structure. While the rest of the country has large state governments and big business drives the states' economies, Vermont has government representation at the local level and people's voices are easily heard all the up to the State House. The rest of the country only wishes that they could have what Vermont has and represents.

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## ASCE VT Section News

### WE ARE UPDATING OUR WEBSITE!

We are in the process of updating the ASCE VT Section Website. Please visit <http://sections.asce.org/vermont> to see what we have done so far. Please submit any requests for content to our Webmaster: Shawn Kelley (skelley@Geodesign.net).

### ASCE MEMBERSHIP DUES

If you have not paid your ASCE dues for 2006, please do so ASAP. Members who still have not renewed their 2006 dues are now in arrears. You will not receive Civil Engineering magazine or ASCE News, plus you now lose other valuable ASCE benefits including:

- Membership in a Section/Branch
- Member-only discounts on ASCE products and services
- Government and Public Relations programs like ASCE's Key Contact Program
- Free half hour Cybarian research (see next section)

You can get all of these benefits back by renewing online at [www.asce.org/renewal](http://www.asce.org/renewal) or by calling (800) 548-ASCE (2723).

***PLEASE RENEW TODAY!***

### ASCE VT SECTION FUND RAISER

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.

## UVM ATTENDS NORTHEAST STEEL BRIDGE COMPETITION

By: Chandler Engel (UVM)

The steel bridge competition was on March 4th at the University of Maine at Orono. The UVM bridge held all the weight (2.5 kips) across a 21' span and deflected less than a quarter inch at the midpoint. We placed 4th out of 8 competitors. UConn and UMaine were the top 2 teams. Queen City Steel was very generous to us and gave us a 50% discount on our steel purchases.



In the picture from L to R is James Wescott, Jerry Rogers, Chandler Engel, Ryan Foster, Jeff Goldfield (Pres. of Queen City Steel), Brian Gomez, Jarren Borg, Floyd Vilmont, and Stefan Hermannsson. Floyd runs the shop at UVM and helped us out tremendously with design and fabrication.

## DUFRESNE-HENRY ACQUIRED BY STANTEC

**Stantec adds to US East operations with addition of Dufresne-Henry**

**EDMONTON AB, NORTH SPRINGFIELD VT** (April 17, 2006) **TSX:STN;NYSE:SXC**

Stantec successfully closed today the previously announced acquisition of multidiscipline design firm Dufresne-Henry. The addition adds over 270 employees and 12 office locations to Stantec in the New England states, New York, and Florida. For more information visit <http://announcements.stantec.com/dufresne-henry>

“Dufresne-Henry strengthens our operations in the US East creating a new region in New England and an initial

platform for future growth in Florida,” says Tony Franceschini, Stantec President & CEO. “This addition also increases our service offering in the public sector in the environment and transportation markets.”

Founded in 1955 and headquartered in North Springfield, Vermont, Dufresne-Henry offers a full range of professional services in engineering, planning, environmental science, and landscape architecture. Stantec now has more than 50 offices in 21 states and approximately 2,300 employees in the United States.

“This is an exciting time for our employees as we become part of Stantec,” says Dufresne-Henry President & CEO Rich Allen who will continue with Stantec as Sr. Vice President, US East. “We are now part of a North American firm with an extensive network of experts enabling us to provide a wider range of services to our clients.”

Stantec is completing the purchase using a combination of cash and vendor notes. In 2005, Dufresne-Henry’s gross revenue was approximately US\$30 million.

Stantec, founded in 1954, provides professional design and consulting services in planning, engineering, architecture, surveying, and project management. We support public and private sector clients in a diverse range of markets, at every stage, from initial concept and financial feasibility to project completion and beyond. Our services are offered through more than 5,500 employees operating out of over 80 locations in North America and the Caribbean. Stantec trades on the Toronto Stock Exchange under the symbol STN and on the New York Stock Exchange under the symbol SXC.

**Cautionary note regarding forward-looking statements**

This news release contains "forward-looking statements". Some of these statements may involve risks and uncertainties and other factors that may be beyond the control of Stantec and cause actual results to be materially different from those contained in such forward-looking statements. Additional information concerning factors that could cause actual results to materially differ from those in the forward-looking statements is contained in Stantec's filings with the Canadian provincial securities commissions and the United States Securities and Exchange Commission.

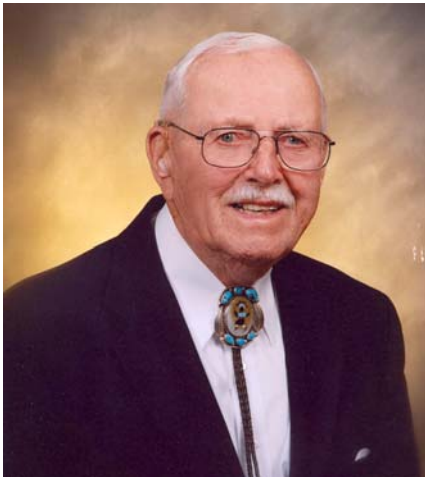
Stantec Contact Jay Averill Media Relations Stantec Tel: (780) 917- 7441	Dufresne-Henry Contact Richard Allen President & CEO Dufresne-Henry Tel: (802) 886- 2261	Investor Contact Simon Stelfox Investor Relations Stantec Tel: (780) 917- 7288
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## IN MEMORY

Our Vermont Section of ASCE had two of its members pass away this past year. Our thoughts and prayers go out to these members' families.

**Reginald Hooper Arnold, P.E., Fellow of American Society of Civil Engineers**, retired Vermont Chief Highway Engineer and designer of Interstate 89, died Jan. 10, 2006, at his home in Montpelier after a short illness. Reggie was a kind, loving and generous man who brought happiness to all those he met.

He was born Nov. 13, 1907, in Haverhill, Mass., son of Arthur and Martha Arnold. He was one of five children and was an orphan at age 13. He then lived on a beautiful dairy farm, owned by Arthur D.



Lyman, located in a small hamlet called Jericho, in the town of Hartford. "Dad" Lyman decided he should finish high school, which he did. Over the many years that followed he was forever grateful

for his guidance.

He graduated from Hartford, High School with honors and won a UVM \$100 Scholarship with highest grades. He received his B.S. degree in Civil Engineering at UVM where he met his future wife, Doris Yvonne Duprat, who was in the same class. They married on April 25, 1936. Reg got a steady job with the Vt. Highway Dept. in 1934. Doris

passed away in 1972 and Reg retired on July 31, 1973, as District and Chief Engineer after 39 years of professional life with the Dept.

After retiring from the Vt. Highway Dept., he went to Vietnam with the Roy Jorgenson Highway Management Consultant Company in 1973, where he took charge of 15 retired engineers and set up a Vietnam Administrative Highway Dept. He was in Vietnam for 21 months, and as the North Vietnamese invaded from the North, was forced to leave Saigon on April 15, 1975. Arnold met his second wife, Evelyn who worked for the American Embassy in Vietnam. They were married Aug. 9, 1975, in Bradford, and spent the next 25 years in Sun City, Ariz. Reg was in the Arizona Senior Olympics from 1980-1992, winning 17 Gold Medals. He designed a 1.4 mile track for Sun City residents to walk and run on. It was named the Arnold Track in honor of Reg and his wife, Evelyn. Evelyn died of cancer in August, 2000.

In September, 2000, Reg returned to Vermont to live with his daughter Susan Knapp and granddaughter, Karen Knapp. He continued to be very active in engineering societies, his church, and his unrelenting pursuit of exercise. At its 93rd annual meeting, the Vermont Society of Engineers named the annual scholarship awarded to an engineering student at UVM, the Reginald H. Arnold Scholarship in his honor, in recognition for the numerous positions he held in the organization and for his generous contribution to the Education and Research Foundation. Reginald has the record for longest membership in VSE. He was a life member and elected to the highest grade as "Fellow" in the American Society of Civil Engineers. In 1971, Reginald H. Arnold, P.E., was selected as the Vermont Engineer of the Year".

**NORMAN ASHLEY BISHOP SR, P.E., Member American Society of Civil Engineers**. Norman Ashley Bishop, Sr., 86, passed away unexpectedly on Thursday, March 30, 2006, at his home in St. Albans. He was born in Burlington on April 11, 1919, the son of the late Arthur Dale and Martha L. (Gentley) Bishop. On Aug. 20, 1949, in Fairfield, he married Phyllis Girard who predeceased him on Nov. 10, 2001. Mr. Bishop served his country for

seven years during World War II in the Pacific Theatre as an Officer and Navy Aviator.

Norman graduated in civil engineering from the University of Vermont, was a Registered Professional Engineer, and was a Member of ASCE. He served at the University of Vermont as Director of Architectural Engineering Services for over twenty-five years, until his retirement in 1986. He oversaw many of the large construction and renovation projects at the modern UVM during the 60's, 70's, and early 80's. Norm was remembered by former UVM Civil Engineering professors as a very dedicated and professional person.

Other memorable engineering work included the large cuts and excavations for I-89 and I-91 at White River Junction. Earlier, he worked many



years as civil structural engineer for the Central Vermont Railway and the Canadian National Railroad. He was also an active member of ASCE.

Mr. Bishop was active in the St. Albans community as a communicant of St. Mary

Catholic Church, where he served on the Parish Council for many years. He was a charter member of Hardack, Inc., where he helped layout the rope tow and designed and constructed the ski jumps (now removed). He was active with the Boy Scouts of America and was also a member of Green Mountain Post #1, American Legion and Robert E. Glidden Post #758, Veterans of Foreign Wars.

His friends will remember him as an active skier, outdoors man, and sports enthusiast as he snow and slalom water skied up until the age of seventy-five. He loved his family, the state of Vermont, playing cards and the many family times at Camp at Lake Eden during the summer, and watching his granddaughters play basketball.

Survivors include a son Norman A. Bishop Jr., Member ASCE of Naperville, Ill., and his wife, Eva, their children, Alexis, Sheila, Andrew, and Julie Lynn, and her husband Sebring and their son Alexander; a son Christopher D. Bishop, Member ASCE of South Burlington, and his wife, Janet, and their children, Michael, JoAnna, William, and Caitlyn; a daughter, Kathy B. Lindsay of Atlanta, Ga. and her husband, Jack.

Mr. Bishop was predeceased by a daughter Mary A. Bishop on Dec. 13, 2000, and an infant son, William in 1950. He also leaves a son-inlaw, William Scott Dazey of Centennial, Colo. and their daughter, Lauren. He is also survived by his sister, Carolyn Emerson and her husband, Bob of Richmond. He is predeceased by his sisters, Martha Constance, Frances Ruth, and Nancy Ann. He is also survived by his sister-in-law and her husband, Elizabeth "Becky" and Charles Reed of Swanton; a brother-in-law and his wife, Lawrence and Carol Girard of Essex Junction; and several nieces and nephews.

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## **ASCE National Information**

### **CONTINUING EDUCATION**

#### **WEBINARS**

*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)*

Best Practices, Traffic Calming ~Part I  
May 9                      Noon-1:00 PM EASTERN

Making Better Decisions Part I: Numerical Methods  
for Improved Decision Making  
May 10                      Noon-1:00 PM EASTERN

Layered Elastic Flexible Pavement Design for  
Airfield Pavements Using FAA - LEDFAA V1.3  
May 11                      Noon-1:00 PM EASTERN

Lessons Learned, Traffic Calming ~Part II  
May 16                      Noon-1:00 PM EASTERN

Making Better Decisions Part II: Beyond Numerical  
Methods  
May 17                      Noon-1:00 PM EASTERN

Wind and Seismic Retrofit of Buildings  
May 23 Noon-1:00 PM EASTERN

Monitoring Project Budgets and Schedules: Earned Value Method  
May 24 Noon-1:00 PM EASTERN

Marketing 101: Sleazy Activity Or Mutually Beneficial Process?  
May 31 Noon-1:30 PM EASTERN

## ASCE SPRING/SUMMER 2006 CONTINUING EDUCATION SEMINARS

In our continuing effort to offer Continuing Education Seminars, we are pleased to announce the following seminars scheduled in our Region I from April through September 2006:

Advanced Detention Routing: Improving the Operation & Effectiveness of Detention Facilities  
May 11-12, 2006 Boston, MA

Design and Renovation of Wood Structures  
July 13-14, 2006 Portland, ME

Techniques for Pavement Rehabilitation  
September 13-15, 2006 Boston, MA

NPDES Stormwater Permit Compliance  
September 21-22, 2006 Boston, MA

Structural Design of Industrial Facilities  
September 21-22, 2006 Manchester, NH

Water Quality Modeling  
September 21-22, 2006 Portland, ME

Structural Design of Buildings and Industrial Facilities for Blast Loads and Accidental Explosions  
September 25-26, 2006 Boston, MA

Structural Vibration Analysis, Design and Troubleshooting  
September 27-29, 2006 Boston, MA

These in-depth, practice-oriented programs are produced by ASCE's Continuing Education Department.

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 Michael Cook [mcook@asce.org](mailto:mcook@asce.org).

## CALL FOR NOMINATIONS - 2006 EXCELLENCE IN JOURNALISM AWARD

The ASCE Excellence in Journalism Award was established in 1994 by Past President James Poirot to foster better relationships between ASCE Sections and Branches and the news media. The award honors journalists for enhancing public understanding of the role and impact of civil engineers and the civil engineering profession through their outstanding news coverage.

Starting this year, eligibility for the Award has been expanded to include journalists and producers from national newspapers, radio and television stations, magazines, and electronic and Web-based news outlets, in addition to the local and regional newspapers formerly eligible. ASCE strives to encourage and expand news coverage of civil engineering and related issues through the Journalism Award, as a means of engaging the public and promoting the profession.

We encourage you to monitor your local news and nominate a story, or stories, in any of the five categories. Entries must be postmarked by June 1, 2006. Details on eligibility and entry criteria are available at [www.asce.org/pressroom/honors/excel\\_journalism.cfm](http://www.asce.org/pressroom/honors/excel_journalism.cfm). For more information contact Joan Buhrman at [jbuhrman@asce.org](mailto:jbuhrman@asce.org).

## PEER REVIEW TOOL FOR INFRASTRUCTURE MANAGEMENT

ASCE offers a quick, confidential and affordable management improvement service for civil engineers who manage public infrastructure agencies. It is a voluntary and confidential program, conducted by experienced government engineer/managers trained in the process. A review can be done quickly, within 90 days of the request. Cost is low for this kind of study since salaries of reviewers are not charged. A fee ranging from \$5000 - \$15,000 based on agency size covers reviewer travel expenses and program administration.

Reviewers study an organization's policies and, via staff interviews, determine just how effectively intended actions are implemented. Subjects covered include: Organizational Management, Project Management, Emergency Management, Technical Procedures, Human Resource Management, Finance, and Public Relations. The focus can cover an entire agency's planning, design, construction, operations, and maintenance --or can be limited to just a portion. The review ends with a confidential oral report, or if requested, a written report. There is no further contact afterwards by the review team.

Peer review provides objective outside assessment of strengths and weaknesses by fellow government engineers experienced in leadership and management. They have no stake in future work, Their intent is to provide a useful service to colleagues. As a result of reviews, practices are endorsed and suggestions for improvement are made. Sometimes hidden or denied problems are surfaced. Typically, performance and political credibility both increase.

The process was 'borrowed' from the American Council of Engineering Companies in late 1980's. Since its start, ASCE has conducted over 60 peer reviews for 20 cities, 11 counties, 3 metropolitan regions, 2 state agencies, and 26 federal agencies. More information, including a downloadable brochure is available on the ASCE website at [http://www.asce.org/professional/peereview/peer\\_review.cfm](http://www.asce.org/professional/peereview/peer_review.cfm). The site includes testimonials from agency directors as well as from peer reviewers. Often, agency managers who have had peer reviews done are impressed enough with the process to become peer reviewers themselves.

Those who have used this service agree that the process is very valuable.

*(Tom is former Director of Public Works/City Engineer for Saint Paul, Minnesota, a Past-President of the Minnesota Section, a Past-Chair of ASCE's Committee for Peer Review of Public Agencies, and served as ASCE District 8 Director from 2002-2005.)*

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## ASCE National News

### **Hurricane Katrina: A Nation Still Unprepared**



The Senate Committee on Homeland Security and Governmental Affairs recently released its report recommending that the Federal Emergency Management Agency (FEMA) be abolished and replaced with a new organization. The committee report proposes creating "a stronger, more capable structure within" the Department of Homeland Security. The report says DHS should create a National Preparedness and Response Authority within DHS to fuse the department's emergency management, preparedness, and critical infrastructure assets "into a powerful new organization that can confront the challenges of natural and manmade catastrophes."

The report has four major sections: a narrative of what happened (Part I); findings grouped by elements of preparation and response (Part II); recommendations for changes in resources, organization and operations (Part III); and appendices incorporating timelines, maps, charts and other supporting material (Part IV).

Click here to download the Executive Summary of the Senate Committee report.  
([http://hsgac.senate.gov/\\_files/Katrina/ExecSum.pdf](http://hsgac.senate.gov/_files/Katrina/ExecSum.pdf))

### **Free Water Infrastructure Security Guidance Documents Available**



Three infrastructure security guidance documents--developed and produced by ASCE, AWWA, and WEF, through a funding grant from the U.S. EPA, are currently available at no charge. The available documents include:

- Security Guidance for Water Utilities
- Security Guidance for Wastewater/Stormwater Utilities

- Guidelines for Designing an Online Contaminant Monitoring System

To request copies, contact Chris Hanson indicating the number of copies you need as well as shipping information. Free shipping will be provided by ASCE.

Click here for additional information about the EPA documents. (<http://www.asce.org/static/1/wise.cfm>)

### FEMA's New Website



The FEMA website serves as the Nation's portal to emergency information both in preparation for and during disasters. In the month that followed Hurricane Katrina's landfall along the Gulf Coast, more than 14 million visits and 400 million hits were logged on the website. For five straight weeks, more than 500,000 individuals, per week, applied for assistance or checked the status of their application using the online registration system.

To better serve those who use FEMA's website for timely and accurate emergency and disaster information, FEMA launched a new website featuring a completely restructured, customer-driven and easy-to-use navigation system, and a new streamlined appearance developed by the Department of Homeland Security. The restructuring of this site makes it easier for citizens, emergency personnel, businesses, and Federal, state, and local government agencies to quickly get to the information they need on the agency's disaster training, preparation, mitigation, response, and recovery efforts and services.

View the updated FEMA website. (<http://www.fema.gov/>)

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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.

Key Contacts receive **This Week in Washington**, a weekly newsletter that provides the latest information on legislative and regulatory developments impacting civil engineering. In addition, you will receive Key Alerts on an as-needed basis. These Alerts contain timely

information on important civil engineering issues and advice on how to best influence the legislative process. The Key Alert contains all the information necessary for composing a convincing letter to your member of congress. Key Alerts are time sensitive, so when you receive one, you know it is the best possible time to act. An issue may be at a critical juncture, your elected leaders are focusing on it, and they need to hear from informed constituents like yourself. Your letter at the right time can make the difference.

How effective is the Key Contact Program? It can be quite effective. ASCE's Key Contacts have made a difference on numerous issues including highway funding, math and science education, dam safety and natural hazards mitigation. We expect to repeat our successes in the future, and look forward to continued support from Key Contacts.

To become a Key Contact, simply log-on to <http://www.asce.org/pressroom/publicpolicy/keycont.cfm>

and fill out the enrollment form. After you sign up, encourage your colleagues to participate. For more information on the Key Contact Program or specific legislation, contact the Government Relations staff at [govwash@asce.org](mailto:govwash@asce.org), or call 202-789-7850.

### ***HERE ARE SOME POSTINGS FROM LAST MONTH "THIS WEEK IN WASHINGTON" REGARDING VERMONT.***

Week of 4/21/06: Debate over whether taxes should be raised to help pay for transportation projects will be the focus of a conference committee that's expected to begin meeting this week at the Statehouse. Most around the Legislature expect the talks to be difficult because each side appears to hold its position strongly. The House is standing firm in its position that the gasoline tax should go up 4 cents a gallon to 24 cents and the diesel tax 6 cents a gallon to 31 cents. The Senate wants no tax increase, preferring higher motor vehicle fees and use of some money from general government accounts. *Rutland Herald 4/17*

Week of 4/28/06: Senators George Voinovich (R-OH), Thomas Carper (D-DE) and Hillary Rodham

Clinton (D-NY) have introduced the National Infrastructure Improvement Act of 2006 (S. 2388), legislation to create a commission charged with evaluating the nation's infrastructure and making recommendations for improvement. We need more senators to support this important legislation!

**Please contact your senators and ask them to cosponsor the National Infrastructure Improvement Act (S. 2388).**

So far, efforts of ASCE's Key Contacts, infrastructure bills in congress have picked up sixteen additional cosponsors in the past month.

Bills that will aid in the documentation, repair and maintenance of the nation's dams and levees continue to gain momentum as visits to congress by ASCE members during Policy Week 2006, March 29-30 were supplemented by emails sent by ASCE members at home across the country.

Much work is still to be done! These bills must pass before congress adjourns in the fall, or else they will die with the end of the 109th congress. They will have to be re-introduced when the 110th congress convenes in January 2007.

Visit ASCE's "Six Clicks" advocacy website at <http://www.asce.org/advocacy.html> to learn more about these issues and help with the efforts by writing a message to your elected officials.

Week of 5/5/06: In the wake of climbing gas prices, lawmakers across the country are looking for ideas to provide immediate relief to motorists. Unfortunately, the federal motor fuels user fees (the 18.4 cent per gallon "gas tax"), that fund improvements to the nation's roads and transit systems are a popular target.

**Please contact your representative and senators and ask them to oppose any effort to suspend federal motor fuels user fees.**

## ASCE'S INTERNET ADVOCACY WEBSITE

("Six Clicks" Advocacy Website - <http://www.asce.org/pressroom/publicpolicy/advocacy.cfm>)

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.

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## 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.

Did you or your firm recently complete an interesting project that others would enjoy reading about? Does your firm have an engineering position open? Are you an ASCE member looking for a new position? Do you know of an upcoming engineering seminar or conference? If so, please send in a brief note to the Green Mountain Civil Engineering Report.

Please feel free to contact us with your announcements. We will work hard to get them included 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 (Secretary and Newsletter Editor) at [skelley@geodesign.net](mailto:skelley@geodesign.net) or any of the officers listed below.

## UPDATE YOUR CONTACT INFORMATION

The Vermont Section of ASCE depends on its membership to update their member information with ASCE National. Shawn Kelley, our secretary, has access to the ASCE member database for Vermont, from which he is able to compile our electronic newsletter distribution list. Members who wish to be included in the electronic newsletter distribution, but who do not want to give their e-mail address to ASCE National or members who would like to receive a paper copy of the newsletter by US mail should contact Shawn; see contact information on the first page footer.

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## Job Offerings

### 1. GeoDesign, Inc.

#### **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. DuBois & King, Inc.

#### **Civil / Environmental Project Engineer / Manager**

DuBois & King, Inc., a full service consulting engineering firm is seeking a Civil / Environmental Engineer with approximately 6 to 12-years (or more) of experience. This is a full time / full benefits senior engineering position in our busy Environmental Engineering Department. Duties include (but not limited to) the participation and oversight of evaluation, planning, design, and construction of municipal infrastructure projects, such as: water (supply, treatment, distribution);

wastewater (collection, treatment and disposal); stormwater; and overall municipal utility work. Experience with clients, municipal officials, CADD water / wastewater modeling software desirable. P.E. Preferred. Position available in our Randolph, VT office.

Send resume and salary requirements to:

#### **DuBOIS & KING, INC.**

P.O. Box 339

Randolph, VT 05060

802-728-4930 - Fax

Human.Resources@dubois-king.com

[ESOP Company](#)

### 3. Engineering Ventures, Inc.

#### **ENGINEERS**

#### **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

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

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## OTHER ANNOUNCEMENTS OF INTEREST

### 1) **2006 Electrical Transmission Conference on Electrical Transmission Line and Substation Structures**

STRUCTURAL RELIABILITY IN A  
CHANGING WORLD

OCTOBER 15-19, 2006 \_BIRMINGHAM, AL

Exchange ideas and technical knowledge as you meet with friends and colleagues during this five day hands-on conference.



For more information and to register:

**Call: 703-295-6095**  
or Visit: [www.seinstitute.org](http://www.seinstitute.org)

**SPACE IS LIMITED SO REGISTER EARLY!**

2) ASCE Civil Engineering  
Conference 2006 OCTOBER 18-  
22, 2006 CHICAGO, IL  
go to [www.asce.org](http://www.asce.org) for more  
information

## **2005/2006 ASCE VERMONT SECTION OFFICERS**

**Past President: Lynnette Whitney, P.E.**  
([LWhitney@dubois-king.com](mailto:LWhitney@dubois-king.com))

**President: Shawn Patenaude, P.E.**  
([SPatenaude@Dubois-King.com](mailto:SPatenaude@Dubois-King.com))

**President Elect: Chantal Beliveau, P.E.**  
([ChantalB@EngineeringVentures.com](mailto:ChantalB@EngineeringVentures.com))

**Treasurer: Lynnette Whitney, P.E.**  
([LWhitney@dubois-king.com](mailto:LWhitney@dubois-king.com))

**Secretary: Shawn P. Kelley, Ph.D., E.I.**  
([skelley@geodesign.net](mailto:skelley@geodesign.net))

**Director: Sherward Farnsworth, P.E.**  
([Sherward.Farnsworth@state.vt.us](mailto:Sherward.Farnsworth@state.vt.us))

**Director: Jean-Guy Beliveau, Ph.D., P.E.**  
([beliveau@emba.uvm.edu](mailto:beliveau@emba.uvm.edu))

**YMF President: Stephanie Zehler, E.I.**  
([stephaniezehler@gmail.com](mailto:stephaniezehler@gmail.com))

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# MAY MEETING VT SECTION OF ASCE



American Society of Civil Engineers



## REGISTRATION FORM

Wednesday, May 24<sup>th</sup>, 2006  
Lincoln Inn, Colchester, Vermont

### Registration

\_\_\_\_\_  
Name

\_\_\_\_\_  
Guest Name

### Dinner

Please select one dinner choice per person:

Prime Rib of Beef au jus Dinner \_\_\_\_\_

Grilled Lemon Chicken Dinner \_\_\_\_\_

Pasta Mediterranean Dinner \_\_\_\_\_

Dinner includes Mashed Potato, Rolls, Salad, Vegetable, Dessert, and Coffee

Dinner: **\$35.00** per person

Student Dinner Price: **\$15.00**

Number \_\_\_\_\_ Total \$ \_\_\_\_\_

Cannot make the dinner? Join us for Coffee, Dessert and the Speaker. This way you can still enjoy the company of your friends and have a nice way to finish a busy day.

Coffee, Dessert and Speaker **\$6.00** per person Number \_\_\_\_\_ Total \$ \_\_\_\_\_

Total Amount Due \$ \_\_\_\_\_

Payment by check, in advance or at the meeting, is appreciated. Make checks payable to "Vermont Section American Society of Civil Engineers". Unfortunately we cannot accept credit cards.

**RESERVATIONS MUST BE RECEIVED BY 5:00 PM ON**

**Wednesday May 17, 2006.**

**RESERVATIONS MAY BE CANCELLED, BUT CANCELLATION MUST BE RECEIVED UP TO 48 HOURS BEFORE THE EVENT. BECAUSE THE SOCIETY MUST PAY FOR MEALS NOT SERVED, RESERVATIONS NOT CANCELLED WILL BE EXPECTED TO PAY FOR THE MEAL.**

### **To make reservations:**

Mail Your Registration Form to:

**GeoDesign, Inc.**

c/o Shawn P. Kelley

PO Box 699

Windsor, Vermont 05089

or

Email: skelley@geodesign.net

or

Fax Form to: (802)-674-5943

or

Phone: (802) 674-2033 x109