

# The New Hampshire *Civil Engineer*

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New Hampshire Section of the American Society of Civil Engineers  
P.O. Box 4953, Manchester, NH 03108

June/July 2010

## President's Message

Wow! The end of the 2009-2010 ASCE-NH Calendar year! It is simply amazing that we are here and now summer is beginning; it feels like yesterday when we kicked off the program.

I welcome next year's NH Section Board Members, and am pleased and honored to continue serving with our energetic volunteers. In June, I pass the baton to Britt Eckstrom Audet, our new President, and Jeff Bjrz, our President-Elect, who will steer the ship in 2010-2011. It is a fantastic opportunity for both of them and for our Section. Both have tremendous drive and lead with passion. Both will represent our section well and provide great opportunities for our members.

It has been a great experience to serve as President, one that has taught me many great lessons. Like all of us, I started with ambitious goals, and the bar was set high. Did we accomplish everything I had hoped? No, but I look forward to continuing what has been started and specifically to help develop a strong agenda in the next ASCE-NH calendar year. My desire is to have the small snowball of



accomplishments grow and continue through the future.

This is my final newsletter which I write with mixed emotions. I can't say that I will miss balancing the responsibilities of work, home, and family to write articles each month, but I have truly enjoyed my tenure as President of ASCE-NH. I have a greater understanding of what this organization means to the Civil Engineering community, how organizations move forward, and the value of everyone's time as volunteers. The writing and public speaking were only a part of my growth and professional development. Where I see the most growth and valued experience was the first step - saying, "Yes, I will do this." I have a deeper understanding of the exposure leadership positions provide in our daily lives; working with everyone to develop and implement a program that will continue in the future; and enjoying meeting so many fantastic individuals who are working to develop engineers and promote an energy unlike none I've ever seen. When challenged with this opportunity to lead an organization I had to move beyond my engineering training and reach deeper into the "soft skills." Never did I feel that it was a burden. With those who have preceded me in the position and those who have accompanied me on this journey, there was always a helping hand, a large smile, and even a challenge to be your best. I know everyone on the ASCE-NH Board of Directors was moved to be better engaged and more rounded and tackle tasks both large and small.

*(continued on page 2)*

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Details on website.

*All newsletter submissions must be  
received by the 10<sup>th</sup> of the month  
prior to publication.*

Next deadline:  
Monday, July 12th

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President's Message (continued from page 1)

**“Everything we enjoy in society is a direct result of the accumulated learning derived from millions of mistakes. No mistakes, no progress. Yet we still look at making a mistake as embarrassing, wrong, an act bordering on sin. If you’re making mistakes, it means you’re doing new things, taking risks, stretching yourself. You’re growing, learning. And isn't the journey, the experience, not the destination, what life is all about?” -- Robert White**

I am fan of the quote above, as this is how I hope I live my life, and how I feel I learn the best. Without learning from mistakes and taking risks, we don't know what to look for moving forward or how we can be more knowledgeable, efficient, and productive. Taking on additional responsibility is always a gamble, perhaps it's seems too dangerous to challenge our clients or supervisors, but without the hard questions, how can we grow or how will we push our profession further?

I'll ask all of you for the next year and beyond, **BE PART OF THE SOLUTION**. Look for ways to challenge yourself in the next year, as ASCE-NH is always looking for volunteers. It's true that you can be a great asset with little time. Do you like photography and enjoy going to meetings? It would be great to capture images of all our events, sign up! Do you have great ideas for technical topics? Sign up with the Technical Committee and help us find speakers! Fundraising, scholarships, historic preservation, Granite State Geo-Institute, following legislative action items, there are many needs that take only a little desire to give back to the profession that we have chosen. It may not feel like we have dedicated our lives to this profession, but we are working for our current life. Why not appreciate the gifts and quality of life it has brought to you and share with a high school, college student, or another engineer?

ASCE is committed to building leaders for the future. It is one reason that ASCE for the policy statements regarding professional development and continuing education, and there is a wealth of information at our finger tips to better ourselves from National ASCE. It is one reason why we, ASCE-NH, have encouraged everyone to take advantage or have tried to provide these opportunities. We hope that you will challenge yourself, your staff, especially for developing our younger engineers.

It has been an honor to serve you as President of the New Hampshire Section. This has been a tremendous opportunity for personal growth in meeting new people, facilitate discussion, and encourage others to take a more active role in their growth and our section. Thank you all for your contributions to our mission at ASCE, and have a wonderful summer!

*Jason M. Ayotte, PE, is President of ASCE-NH and a Transportation Engineer with VHB in Bedford, NH. Mr. Ayotte welcomes comments and may be reached at [jayotte@vhb.com](mailto:jayotte@vhb.com) or (603) 644-0888, Ext. 2584.*

**P.E. REFRESHER COURSE FOR CIVIL ENGINEERS  
SPONSORED BY THE ENGINEERING EDUCATION COMMITTEE**

**TENTATIVE DATES**

STARTING TUESDAY, JULY 20, 2010

LOCATION: NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION – CONCORD

The P.E. refresher course will be offered on Tuesday evenings from 6:00 p.m. to 8:00 p.m. beginning July 20, 2010 and will run for 12 weeks. The course will focus mainly on problem solving and discussion in the following areas:

- Transportation            Traffic
- Hydraulics                Sanitary
- Soil Mechanics            Structural Design
- Construction Engineering

The course will finish prior to the P.E. exam, providing additional time for individual review and preparation. The upcoming exam is scheduled for October 29, 2010. Visit the

Joint Board of Licensure’s website for exam information and applications: <http://www.state.nh.us/jtboard/home.htm>

The course book is the latest edition of the Civil Engineering Reference Manual from Professional Publications (11<sup>th</sup> Edition). NHASCE has setup an account with Professional Publications so the students can purchase their course books directly and get approximately 20% off at the following website.

<http://www.ppipartner.com/SK876>

A complete schedule of all lectures and instructors will be available at the first session. Please submit your applications by July 12, 2010.

**For further information, contact Anant Panwalkar, P.E. at (978) 703-6041, (978)683-0966(F), or [apanwalkar@nobisengineering.com](mailto:apanwalkar@nobisengineering.com)**

**\* REGISTRATION FORM \* P.E. REFRESHER COURSE \*  
\* JULY 20, 2010 \***

_____ Name	_____ Telephone No. (W) & (H)
_____ Mailing Address	_____ Fax No.
_____ Mailing Address	_____ E-mail Address
_____ Company	_____ *ASCE Membership No.

Course Fee: ASCE Members - \$150.00 (Course Book Not Included)  
Non-Member - \$300.000 (Course Book Not Included)

Make checks payable to: **New Hampshire Section, ASCE**

Send registration form with fee to: **Anant Panwalkar, P.E.  
Nobis Engineering, Inc.  
585 Middlesex Street,  
Lowell, MA 01851**

\*Your ASCE membership no. can be found on the address label on your issues of ASCE News or Civil Engineering magazine.

## 2010 LEGISLATIVE FLY-IN TO WASHINGTON– MARCH 23-25, 2010

Jeff Bjrz, PE (Senior Delegate), Anthony Puntin, PE (Regional Director) and Darren Benoit, PE (Gov. Relations Chair) attended the Legislative Fly-in in Washington DC on March 23-25, 2010. Representatives from nearly all 50 states were present to meet with their elected Senators and Representatives to discuss infrastructure. The key message this year was that infrastructure investment equals jobs. Our task was to continue to educate officials on the status of the country's infrastructure and discuss several key bills regarding that infrastructure.

Prior to meeting with the officials we had several training sessions where representatives from the ASCE National Legislative Affairs provided us with some key statistics to use and educate ourselves on these bills. The key legislation for this session includes the Surface Transportation Reauthorization, the FAA Reauthorization, Dam Rehabilitation, and promoting the Water Infrastructure Financing Act.

Our meetings with our New Hampshire officials went well and we hope to continue to offer our input on important engineering issues. The funding of infrastructure will continue to be a topic of debate, but we are seeing increased awareness of the problems we are all facing. Transportation is a major part of Congress' role in commerce and it is a factor in everyone's life. The safe, efficient movement of people and goods will be critical to ensuring a safe and prosperous country for the next generations. As we continue to relay these concerns, we hope to start seeing solutions.

This is an opportunity for all ASCE-NH members, if you are interested in seeing how our Legislature works, in attending next year's Legislative Fly-In, or participating in the ASCE's Key Contact Program, please contact a board member. Information is usually sent out in January and can also be found on the Government Relations page on the ASCE website <http://www.asce.org/>.

Respectfully,  
Jeff Bjrz, PE and Darren Benoit, PE  
Senior Delegate Gov. Relations Chair

## 2-PART SUMMER GEOTECHNICAL WEBINAR

**ASCE National pulled the plug on this one the last time. "They've" assured us this time will be different!  
So, take time out from your busy summertime construction schedule!**

The resurrected ASCENH Technical Committee and the new Granite State Geo-Institute will be sponsoring this lunchtime geotechnical webinar. Read on...!

- |   |  |
|---|--|
| <ul style="list-style-type: none"><li>○ <b>"LRFD for Geotechnical Engineering" 2-Part Webinar</b><br/>{3.0 PDHs for attending both Parts}</li><li>○ Part I "Fundamentals of LRFD"</li><li>○ Wednesday, 30 June 2010, 12:00 – 1:30 p.m.</li><br/><li>○ Part II "Geotechnical LRFD Loads"</li><li>○ Thursday, 15 July 2010, 12:00 – 1:30 p.m.</li></ul> | <p>NH Department of Transportation<br/>1 Hazen Drive<br/>Concord, NH<br/>\$30 for ASCE members<br/>\$40 for non-ASCE members<br/>Free to NHDOT and municipal engineers<br/>Admission includes light lunch.</p> |
|---|--|

To access the webinar brochures go to National's website [www.asce.org](http://www.asce.org) and follow along to "Continuing Education" and "Live, Interactive Web Seminars".

Reservations: Email preferred to: [kmilender@millerengandtesting.com](mailto:kmilender@millerengandtesting.com) .  
Reservation Deadline: 21 June 2010. Seating is limited. Please arrive by 11:45 for registration; the interactive webinar programs begin promptly at 12:00 Noon.

## Guiding Principles for Critical Infrastructure and the Engineer's Professional Responsibility in Creating and Sustaining Critical Infrastructure

*Thursday March 18, 2010 ~ Attendance List*

Tim Audet, Hoyle Tanner & Associates	Jason Ayotte, P.E., Vanasse Hangen Brustlin, Inc.
Jeff Bjrz, P.E., City of Lebanon	Scott Bourcier, DuBois & King, Inc.
Mike Ciance, P.E., Terracon	Jim Gallagher, Jr., P.E., NHDES
Tony Grande, P.E., Vanasse Hangen Brustlin, Inc.	Neil Helberg, Lewis Engineering, PLLC
Leon Kenison, P.E., City of Nashua	Bill Lambert, P.E., NHDOT
Paul Lefebvre, University of New Hampshire	Joe Lowry, Louis Berger Group
Jerry Maher, Continental Paving, Inc.	Tim Mallette, NH Department of Transportation
Joe Manous, Jr., P.E., Ph.D., US ACE	Ken Milender, P.E., P.G., Miller Engineering
Mike Mozer, Vanasse Hangen Brustlin, Inc.	Carol Murray, P.E.
Tony Puntin, P.E., Louis Berger Group	Jim Robinson, P.E., Louis Berger Group
William Rollins, P.E., Louis Berger Group	Ted Setas, P.E., Hoyle Tanner & Associates
Matt Stearns	Veronica Thibodeau Carter, P.E., NHTI
Brian Vincent, P.E., Nobis Engineering, Inc.	James Weber, P.E., NH Department of Environmental Services
Tanya West, P.E., AutoDesk	Len Zabilansky. US Army Corps of Engineers

## THANK YOU

*"Make it a habit to tell people thank you. To express your appreciation, sincerely and without the expectation of anything in return. Truly appreciate those around you, and you'll soon find many others around you. Truly appreciate life, and you'll find that you have more of it."-- Ralph Marston*

The ASCE-NH Section Board of Directors express our sincere gratitude and appreciate the time of the following individuals who helped make the 2009-2010 program a success.

Darren Benoit, McFarland-Johnson, Inc. – Government Affairs Committee Chair  
 Scott Bourcier, Dubois & King, Inc. – March 18<sup>th</sup> Technical Meeting  
 Fred Douglas, The Louis Berger Group, Inc. – Scholarship Chair  
 Jay Hodgkinson, GZA GeoEnvironmental, Inc. – Technical Committee & Granite State Geo-Institute  
 Shawn Kelley, GeoDesign, Inc. – Region 1 Governor  
 Jim Marshall, NHDOT – Granite State Geo-Institute Webinars & Programs  
 Heidi Marshall, CLD Consulting Engineers, Inc. – Constitution and By-laws Revisions  
 Jessie Merck, The H.L. Turner Group Inc. – Newsletter Editor  
 Mike Mozer, VHB, Inc. – Outstanding Civil Engineering Award (OCEA) Chair  
 Anant Panwalker, Nobis Engineering, Inc. – PE Refresher Course Chair  
 Tony Puntin, The Louis Berger Group, Inc. – Region 1 Director  
 Chris Robert, Kleinfelder/S E A Consultants Inc. – Younger Member Committee, Co-Chair  
 Suzy Sheppard, Hoyle Tanner and Associates, Inc. – Website Coordinator  
 Matt Stearns, Deerpath Energy – March 18<sup>th</sup> Technical Meeting  
 Leonard Zabilansky, US Army Corps of Engineers CRREL – Upper Valley Branch & Constitution and By-laws Revisions  
 UNH Student Chapter – April 15<sup>th</sup> Order of the Engineer and Joint Dinner Meeting

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**-EEO-**

**ASCE YOUNGER MEMBERS**

NH ASCE Younger Members are hosting a SUMMER BBQ PARTY at the home of Logan Johnson. The party will be potluck style; bring your own beverages too. Please RSVP and inform us of your potluck contribution.

DATE: Saturday, July 17, 2010

TIME: 3:00pm – 10:00pm

LOCATION: Logan Johnson's house  
Please email for Logan's address/directions.

CONTACT PERSON: Logan Johnson  
NH American Society of Civil Engineers

E-mail: [youngermembersnh@gmail.com](mailto:youngermembersnh@gmail.com)

**2010 Summer BBQ**



# Cranium Challenge

June 2010

Congratulations to our colleagues who provided the correct answer to the April challenge:

By solving the system of equations, we find that Peter picked 18 peppers!

- |                            |                                |
|----------------------------|--------------------------------|
| Paul Lefebvre              | UNH                            |
| Bill Lambert, PE           | NHDOT                          |
| Jeffrey Trexler, PE        | Trexler Engineering            |
| David Beck, PE             | Jacobs Associates              |
| John Scott, PE             | Rist-Frost-Shumway Engineering |
| Timothy Vadney, PE         | Wright-Pierce                  |
| Michael Summerlin Jr., P.E | Nobis Engineering, LLC         |
| Scott Carter, PE           | Terracon                       |
| Christopher Berg, PE       | Wright-Pierce                  |
| Joe Kieronksi              |                                |

June puzzle:

A cowboy rode into town on Friday, stayed three days, and rode out again on Friday. How did he do that?

Send your solutions to Rebekah Briggs, University of New Hampshire, W183 Kingsbury Hall, Durham, NH 03824 or by email to [rebekah.briggs@unh.edu](mailto:rebekah.briggs@unh.edu). Correct responses received by July 1, 2010 will be recognized in a future issue of "The New Hampshire Civil Engineer".

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## Planning Calendar

June 10, 2010	Golf Outing, Beaver Meadow Golf Club, Concord, NH
June 30, 2010	Part I “Fundamentals of LRFD” Geotechnical Webinar, Concord, NH
July 15, 2010	Part II “Geotechnical LRFD Loads” Geotechnical Webinar, Concord, NH
July 17, 2010	Younger Members Summer BBQ (see page 6 for details)
July 20, 2010	PE Refresher Course for Civil Engineers, Concord, NH

**View the unified engineering calendar at [www.nhecal.org](http://www.nhecal.org).**

Contact Britt Audet, PE at CMA Engineers (603) 627-0708 or [baudet@cmaengineers.com](mailto:baudet@cmaengineers.com) for details on upcoming meetings.

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