Many thanks to S. W. Cole, our OCTOBER SPONSOR OF THE MONTH!

The Freedom Tower presentation has been moved to December. Also the November seminar we were tentatively planning has been moved to May which is quickly becoming our seminar month. We will have more updates so keep an eye on your email.

Renewal season is coming up, so get your renewals in as soon as possible. What does your membership get you other than a tantalizing president’s message? ASCE provides members with many direct benefits including continuing education, technical resources, professional development, network opportunities, member discounts on meetings, 25% off ASCE books, 75% off ASCE journals, and up to $200 back on specialty conferences. In addition, ASCE provides valuable indirect benefits including promoting the engineering practice, lobbying our legislatives on the importance of infrastructure funding and engineering licensure. Help us win the renewal race! **If you renew before December 11th and we win the renewal race, you’ll be entered into a chance to win a $100 gift card from the NH Section.** You can renew online at [www.asce.org](http://www.asce.org)

On a national level, ASCE is proud to announce the formation of a new institute. The new Utility Engineering and Surveying Institute (UESI) is for all interested and
professsionals from various fields including pipelines, geomatics, utilities and surveying. For more information check out their new webpage:

One more thing, Congress has returned from August recess. If you remember from last month, the Senate passed a long term highway funding bill. However, passage in the house seems unlikely due to long term funding concerns and the reluctance to raise the gas tax. The highway trust fund runs out October 29, 2015, so the House has very little time to come up with a funding fix. The experts feel the House will punt on a long-term funding fix and decide to do another short term patch. Please contact your representatives Guinta and Kuster and encourage them to come up with a long term plan rather than punting for another year. We need to stop working with patches and short term fixes. We need to create an infrastructure that moves our country forward, not hold it back. I, for one, would prefer to pay a little more in gas tax for less time in traffic and less repairs to my car.

---

Jay Hodkinson, P.E. is a Senior Project Manager with GZA GeoEnvironmental, Inc. He earned his B.S. degree in Civil Engineering from the University of Massachusetts-Lowell. He lives in Londonderry, New Hampshire with his wife, Chrissy and his children Andy and Lindsey.
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New Office Location

S.W.COLE has recently acquired the construction materials testing division of EIV Technical Services.

The new office in Greater Burlington is S.W.COLE’s second in Vermont. Our first, in White River Junction, opened in 2013. The Burlington office will allow us to better service our clients in Vermont.

Contact Us!

Our Burlington area office is located
55 Leroy Road in Williston - just minutes from downtown!

To contact either of our Vermont offices, please call Alan Brown at
802.299.1306

www.swcole.com
Please Join Us for the First Official New Hampshire Professional Chapter of Engineers Without Borders (EWB) Meeting!

If you live in NH and have ever had an interest in volunteering with EWB-USA (www.ewb-usa.org), you would be happy to learn that as of July 2015 a professional chapter now exists in the Granite State! The EWB NH Professional Chapter will hold its first official chapter meeting on Tuesday, October 13, 2015 at 6:30 PM at Sanborn, Head & Associates, Inc. Headquarters located at 20 Foundry Street, Concord, New Hampshire. The meeting will introduce the mission and goals of the organization and chapter and determine which of the current open international EWB-USA programs the chapter should focus its initiative on. Please come if you are interested in supporting an international volunteer organization that can provide the opportunity for foreign travel and fantastic experiences. You do not have to be an engineer to join, EWB welcomes the aid of teachers, nutritionists, architects, financial organizers, and community organizers just to name a few. If you are interested in attending this meeting, or if you have questions, please contact Heidi Lemieux at Sanborn Head (hlemieux@sanbornhead.com). To accommodate interested participants who cannot attend the meeting in person, we will provide a call-in number and web link.

About EWB-USA

EWB-USA was founded in 2002 by Professor Bernard Amadei, Professor of Civil Engineering at the University of Colorado. There are over 12,000 EWB-USA members within over 250 established chapters. About two thirds of the chapters are students; the other third are professionals. According to the EWB-USA web site, there are 684 community development projects in 39 countries (including domestic projects). Chapters sign up for 5 year commitments with partner communities (“programs”) and team with non-governmental organizations (NGOs). EWB-USA has an established process for performing projects that includes: submitting project proposals and design reports to EWB-USA Headquarters; conducting trips for assessment, implementation, and monitoring; and preparing/submitting trip reports.

In addition to chapter officers, there are typically leadership roles for projects, fund raising, and public relations. Most chapters also include a local volunteering component that is outside the project process. EWB-USA is open to non-engineers as each program involves communication and education components lend themselves to other professions. There is room for just about anyone who is committed and interested in participating.

EWB at UNH

The EWB-UNH Chapter started working on projects in 2004, and completed efforts in Thailand and Niger. The UNH chapter is presently working internationally in Lukodi, Uganda and San Pedro de Casta, Peru. The current projects include development and protection of groundwater supplies, drinking water purification, and irrigation. The UNH chapter has traveled to Lukodi five times since 2011 and recently completed their first trip to San Pedro. The EWB-UNH Chapter is always looking for professional mentors to assist with their projects as well as to travel to these communities.
2\textsuperscript{nd} Symposium on the Presumpscot Formation

*Advances in Geotechnical, Geologic, and Construction Practice*

October 28, 2015
8:00 am – 5:00 pm

Hannaford Hall
University of Southern Maine
88 Bedford St.
Portland, Maine

The 1\textsuperscript{st} Symposium on the Presumpscot Formation, entitled *Geologic and Geotechnical Characteristics of the Presumpscot Formation Maine's Glaciomarine "Clay"*, was held March 20, 1987 in Augusta, ME. It was organized to allow discussion among geologists, soil scientists, and geotechnical engineers on topics including: hazardous and radioactive site disposal, groundwater investigations and modeling, coastal retreat and bluff formation, sedimentology and landslide processes, wick drains, and highway embankments.

The 2\textsuperscript{nd} Symposium on the Presumpscot Formation will focus on *Advances in Geotechnical, Geologic, and Construction Practice* and include site investigation, design, and implementation of project in the Presumpscot glacial-marine clay found in coastal Maine and New Hampshire. Sessions include: geology, soil properties, design and performance, and construction practices. Attendees receive complimentary meals (light breakfast, lunch, breaks) and a digital copy of Symposium proceedings.

Registration: [http://umaine.edu/presumpscot-symposium/register-to-attend/](http://umaine.edu/presumpscot-symposium/register-to-attend/)
- Professionals: $100
- Retirees/Students: $25
- Presenters/Panelists: $50

Sponsorship: [http://umaine.edu/presumpscot-symposium/sponsorship/](http://umaine.edu/presumpscot-symposium/sponsorship/)
Corporate sponsorship funds will be use to help to defray the cost of registration, catering, and symposium organization. Funds collected in excess of Symposium costs will be donated as scholarships to the Civil & Environmental Engineering and Earth Science programs at UMaine.
- $500: Bronze Sponsor (includes one full registration)
- $1000: Silver Sponsor (includes one full registration)
- $2000: Gold Sponsor (includes two full registrations)

For more information, contact: Melissa Landon, University of Maine:
[melissa.landon@maine.edu](mailto:melissa.landon@maine.edu)
Charlie Nickerson, R.W. Gillespie & Associates:
[cnickerson@rwg-a.com](mailto:cnickerson@rwg-a.com)
S.W.COLE ACQUIRES MATERIALS TESTING DIVISION OF VERMONT FIRM

S. W. Cole Engineering, Inc., headquartered in Bangor, Maine, has acquired the construction materials testing division of EIV Technical Services, a Vermont-based firm that provides services in the fields of civil engineering, construction inspection, hydrology, survey, environmental permitting, and historic assessment. S. W. Cole Engineering Inc., has acquired EIV’s construction materials testing equipment and their laboratory. EIV will retain all of its services aside from construction materials testing and will continue to grow and operate in Williston.

According to Chad Michaud, PE, Senior Vice President of S.W.COLE, “this acquisition allows S.W.COLE to service the demand for construction materials testing in the greater Burlington area”.

All of S.W.COLE’s offices have laboratories that provide physical testing of concrete, soil, aggregates and asphalt. The firm’s technicians provide special inspections and field testing of construction materials for buildings, roads and bridges, water and wastewater projects, industrial and manufacturing projects, and wind power and transmission projects, throughout New England.

HOYLE, TANNER EMPLOYEES PARTICIPATE IN UNITED WAY DAY OF CARING

The Granite United Way 2015 Day of Caring events were held throughout September with more than 1,400 volunteers throughout the Southern Region, Merrimack County, Northern Region, Upper Valley, North Country and the Central Region donated their true ‘sweat equity’ to more than 140 local non-profit agencies. A sea of red t-shirts could been found working on everything from winterizing camps, landscaping, painting and even pressure washing playground equipment. Hoyle, Tanner employees, including the ASCE NH Newsletter Editor, participated in the 2015 Granite United Way Day of Caring.

Registration is open, keynote named for first ASCE Convention

Civil engineers from across the country and around the world will converge on New York City in October for the first ASCE Convention. Explore the state of the industry and profession via a thought-provoking, multidisciplinary program that can earn you as many as 24 PDHs. You’ll be inspired by opening keynote speaker Luke Williams, an authority on business innovation leadership. Registration is open; sign up now and save as much as $200. Get details on the inaugural ASCE Convention.
Reach the Beach 2015

Take 10 civil engineers, 1 electrical engineer, add a geologist.....what do you have? Answer: team “Civil and Disobedient”. Team for what? For the Reach the Beach (www.rtbrelay.com), of course. If you’re not familiar with RTB, just imagine a journey from Bretton Woods to Hampton Beach in late summer along 200 miles of some of the most picturesque roadways in New Hampshire. Then imagine running those roadways with 11 of your friends, non-stop, relay style. Sounds fun, right? Believe it or not....it is extremely fun!

Huh? RTB also partners with local charities and community groups to raise awareness and funds benefit NH. This year, RTB’s charity partner was JDRF, raising awareness for Type 1 Diabetes, community beneficiaries included the NH State Parks, Rotary Club, AMC, City Year, and Cannon Mountain, as well as allowing numerous groups to participate in their fundraising activities including Boy Scout Troops, as well as town, school and church groups. Not only do you improve yourself physically, but you can financially support local groups too!!

This year, 12 hardy individuals came together as team Civil and Disobedient to face the challenge. The team was led by Jason Ayotte (captain, Hoyle, Tanner) and Tony Puntin (BETA Group) and included past presidents of ASCE-NH and individuals from our local engineering community: Britt Audet (CMA), Corey Beldon (Altus), Mike Dugas (NHDOT), Shanna Greene (EE, US Navy) Liam Kolsch (CMA), Rob Musci (CDM Smith), Harrison Roakes (Sanborn Head), Adam Sandal (CDM Smith), Kathleen Soukup (disobedient, Weston Solutions), and Liviu Sfenstiu (Louis Berger).

The race requires significant logistical planning. Two vans each act as "home base" for 6 runners for the event. The individuals will run 3 separate "legs" each over the course of the entire race with the legs varying from over 10 miles to just under 3 miles. The vans provide support (hydration) for their runner along the individual legs and are responsible for making sure the next runner is ready at the transition areas. As you can imagine, the logistics of the event are almost as challenging as the running, and an engineer’s dream!

Months of planning and training culminated on September 18-19. With a strong group of runners, the team started at 12:30 pm on Friday; many hours after the majority of the over 500 teams had started. Slowly and methodically, the civils and the disobedients steadily progressed to the front of the pack averaging an 8:15 minutes/mile pace. The runners were able to gauge their progress by keeping track of their "kills" or the more politically correct, people they passed. By the 2/3 mark, the team had passed over 300 teams; including one incredible 8 mile leg that included 57 kills by Cory. As the ocean became closer, the team became stronger. The last legs along the seacoast are shorter and flatter compared to the torturous mountains. With a time of 27 hours and 46 minutes, the team placed a remarkable 61st. Quite an accomplishment!

Civil and Disobedient offers a special “thank you” to NH ASCE (www.ascenh.org), ADS (www.ads-pipe.com), CONTECH (www.conteches.com), Hoyle, Tanner (www.hoyletanner.com) for their monetary support, and NH Distributors (nhdist.com) for keeping our teams hydrated. Our run was a huge success due to our sponsors, and we would like to thank each one enough for their contributions.

A picture gallery of the journey can be found on the next page and on the NH ASCE Facebook page. If this adventure sounds tempting to you, start training. The recruiting for next year’s team(s?) will begin soon!
**CORPORATE SPONSOR OF THE MONTH**

What is a Corporate Sponsor of the Month? This could be YOUR company! For $250.00, you will receive a 8” x ½” Front Page Banner Advertisement featuring your company. The ASCE-NH homepage will show your company logo, linked to your firm’s homepage. In addition, a full page of our newsletter will be yours -- available for you to tell our readers anything you want about your company – maybe you’ve recently acquired some new talent you want to boast about; or perhaps you just completed a very special project, or even reached a milestone anniversary year! The choice is yours - any topic that would be of interest to your colleagues in the engineering industry – You may use the space for photos, narrative, whatever way you decide to put your company’s name – literally – in the headlines!

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Thank you to our past Sponsors of the Month for showing support for the ASCE’s New Hampshire Section! Please consider signing up for sponsorship of future editions of The New Hampshire Civil Engineer. Remember, all proceeds go directly to the Scholarship Fund!!

**Now reserving space for Fall/Winter and beyond!**

**To reserve space or learn more, contact fweaver@hoyletanner.com!**

Of course, our regular classified advertising section is still available. See page 2 for more information.
Cranium Challenge

October 2015

Congratulations to Timothy Dunn, PE, NHDOT, the only correct answer for the June/July challenge!

The June/July Puzzle asked:
Fill in this grid such that each row and column contains the numbers 1 through 6. It’s like Sudoku, without the math involved. Oh, and in the spirit of the Cranium Challenge, there’s a catch – squares of the same color must contain the same number.

Send your solutions by email to Justin Lowe at JstnLowe@gmail.com.
Correct responses received by October 10, 2015 will be recognized in a future issue of “The New Hampshire Civil Engineer”.

Sorry, no October puzzle. Search is on for a new Cranium Challenge submitter.

Did you enjoy the CRANIUM CHALLENGE? Do you think you’ve got some puzzles of your own you’d like to share?

WE ARE NOW LOOKING FOR A NEW CRANIUM CHALLENGE PROVIDER. IF YOU THINK YOU’D LIKE TO TRY TO STUMP OUR ENGINEERING COMMUNITY WITH A GREAT PUZZLE EVERY ISSUE, CONTACT THE NEWSLETTER EDITOR: FWEAVER@HOYLETANNER.COM.
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Planning Calendar

Visit the ASCE-NH Website (www.ascenh.org) for up to date details for upcoming meetings and events.

Stay tuned to www.ascenh.org for information on Fall happenings!

View the unified engineering calendar at www.nhecal.org.
Contact Jay Hodkinson (jay.hodkinson@gza.com) for details on upcoming meetings.