

# The New Hampshire Civil Engineer

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

VOL. 36 No. 08

October 2015

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



Our Clients Make Better Decisions  
From the Ground Up.

Eight Offices Throughout New Hampshire, Maine and Vermont  
[www.swcole.com](http://www.swcole.com)

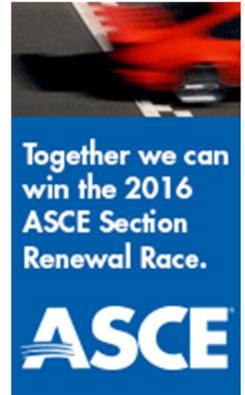
## OCTOBER 2015 PRESIDENT'S MESSAGE



Summer has come to an end and we are finally starting to get some seasonal fall weather. We are looking forward to our meeting in October with Eversource and their OCEA award winning project.

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 11<sup>th</sup> 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

continued page 2

### 2015~2016 BOARD OF DIRECTORS

#### President

Jay Hodkinson, PE  
GZA GeoEnvironmental, Inc.  
(603) 232-8742

#### Secretary

Matthew O'Brien, PE  
Hoyle, Tanner & Associates, Inc.  
(603) 669-5555

#### Sr. New England Council Delegate

Brian Patinskas, EIT  
McFarland Johnson  
(603)

#### What's Inside?

#### President-Elect

Thalia Valkanos, EIT  
GZA GeoEnvironmental, Inc.  
(603) 232-8751

#### Treasurer

Nick Golon, PE  
TFMoran, Inc.  
(603) 472-4488

#### Jr. New England Council Delegate

Theo Brackett, EIT  
BW Design Group  
(603)

- Sponsor of the Month
- Golf Tournament
- Meeting Announcements
- ASCENH is on Facebook And Twitter!
- Cranium Challenge
- Professional Directory

#### Vice President

Marisa DiBiasco, PE  
Hoyle, Tanner & Associates, Inc.  
(603) 431-2520

#### Clerk

Drew Vardakis, PE  
CMA Engineers, Inc.  
(603) 431-6196

#### Past President

Nathan Cote, PE  
SW Cole Engineering, Inc.  
(603) 692-0088

..... and more!

**Newsletter Editor**

Fran Weaver  
Hoyle, Tanner & Associates, Inc.  
150 Dow Street  
Manchester, NH 03101  
603-669-5555, x-111

*Please Send Correspondence To:*  
The New Hampshire Civil Engineer  
ASCE NH  
PO Box 4953  
Manchester, NH 03108  
Email: [fweaver@hoyletanner.com](mailto:fweaver@hoyletanner.com)

Website: [www.ascenh.org](http://www.ascenh.org)

**ASCE NH Advertising Rates**

Sponsorship Ad:  
1.3" x 2.3" Artwork in the  
Professional Directory  
&  
Company website link on  
ASCE NH Website:  
\$165.00/year

Classified Ad:  
\$15/column-inch  
3.5" column, 10-pt font

Advertisements should be placed with the  
newsletter editor prior to the deadline.  
Details on website.

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

**Next deadline  
(For November 2015 issue):  
October 15, 2015**

**Newsletter Publisher**  
Town & Country Reprographics, Inc.  
Concord, New Hampshire

continued from page 1

professionals from various fields including pipelines, geomatics, utilities and surveying. For more information check out their new webpage:

<http://www.asce.org/utility-engineering-and-surveying/utility-engineering-and-surveying-institute>.

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.



*Infrastructure should move our  
country forward, not hold it back.*

Congressman Frank Guinta  
1<sup>st</sup> District  
[www.guinta.house.gov](http://www.guinta.house.gov)  
Phone: 202-225-5456

Congresswoman Ann Kuster  
2<sup>nd</sup> District  
[www.kuster.house.gov](http://www.kuster.house.gov)  
Phone: 202-225-5206

*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.*

## We're Expanding!



Performing test boring exploration services for all types of projects and tasks, including:

- Water Resources
- Roadwork
- Borrow Pits and Quarries
- Monitoring Wells
- Utility Line Probes
- Environmental
- Bedrock/Ledge Probes
- Site Assessments

As well as geotechnical, geologic  
geoenvironmental projects.

### Why trust us for your drilling needs?

- We have two new drill rigs in Northern New England and an experienced staff.
- We are a familiar, locally owned company with vast knowledge of the area's soils.

Call us toll free at  
**1-855-SWC-DRILL**  
(1-855-792-3745)



[www.swcole.com/explorations](http://www.swcole.com/explorations)

## 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](http://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](http://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](mailto: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/submitted 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<sup>nd</sup> 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<sup>st</sup> 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<sup>nd</sup> 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/>

- Professionals: \$100
- Retirees/Students: \$25
- Presenters/Panelists: \$50

*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)

## News from around the engineering community ...

### 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 be 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](http://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 I 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 disobediends 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](http://www.ascenh.org)), ADS ([www.ads-pipe.com](http://www.ads-pipe.com)), CONTECH ([www.conteches.com](http://www.conteches.com)), Hoyle, Tanner ([www.hoyletanner.com](http://www.hoyletanner.com)) for their monetary support, and NH Distributors ([nhdist.com](http://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 1/2" 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!

December 2012	CDR Maguire
January 2013	GZA GeoEnvironmental, Inc.
February 2013	Fay, Spofford, & Thorndike
March 2013	Tighe & Bond
April 2013	International Erosion Control Systems, Inc.
May 2013	S.W. Cole Engineering, Inc.
June/July 2013	Nobis Engineering
August/September 2013	International Erosion Control Systems, Inc.
October, 2013	JTC, Inc.
November, 2013	VHB
December 2013	Fay, Spofford & Thorndike
January 2014	Hoyle, Tanner & Associates, Inc.
February 2014	Kleinfelder
March, 2014	ADS
April, 2014	Kleinfelder
May, 2014	Dubois & King
June/July 2014	TFMoran
August/September 2014	S.W. Cole Engineering, Inc.
October, 2014	Tighe & Bond
November, 2014	
December, 2014	Shea Concrete Products
January 2015	VHB
February 2015	S.W. Cole Engineering, Inc.
March 2015	<i>Golder Associates</i>
April 2015	<i>Parsons Brinckerhoff</i>
May 2015	To be announced!
June/July 2015	BETA
August/September 2015	TFMoran
October 2015	S.W. Cole Engineering, Inc.

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](mailto: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.

4	2	3	6	5	1
6	1	2	3	4	5
2	5	1	4	6	3
5	3	6	2	1	4
1	6	4	5	3	2
3	4	5	1	2	6

---

Send your solutions by email to Justin Lowe at [JstnLowe@gmail.com](mailto: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](mailto:FWEAVER@HOYLETANNER.COM).**

---

# CLASSIFIED ADVERTISEMENTS

## OCTOBER 2015

CLD CONSULTING ENGINEERS, INC.

*Full - Time  
Civil Site Design Engineer*

We have an immediate opening for a Civil Site Design Engineer to join our White River Junction, Vermont and growing lakes region office. The successful candidate is expected to manage multiple projects and; coordinate with staff, clients, sub-consultants and permitting agencies. Additionally, candidates with experience in field survey, those that offer advanced CAD production skills and strong knowledge and experience in permitting innovative projects are strongly preferred. Qualified candidates will have a civil engineering degree, be EIT/FE or PE licensed, have a valid driver's license, the ability to work in both field and office settings. The selected candidate will have experience with site development and water/wastewater design including layout, grading, drainage, stormwater, and permitting and be proficient with Civil 3D 2014. CLD is a leading northern New England engineering firm with a 30+ year history operating in ME, NH and VT. Interested? Send letter of interest and resume to HR [lisak@cldengineers.com](mailto:lisak@cldengineers.com) or via mail to 540 Commercial Street, Manchester, NH 03101 or via fax to (603) 668-8802. EOE.



**Have a job opening you'd like to share?**

**We still accept print advertisements at the rate of \$15 per column inch in the newsletter.**

**E-mail [fweaver@hoyletanner.com](mailto:fweaver@hoyletanner.com) and ask about pricing.**

**OR, if you prefer .....**

**NEW – NEW – NEW**

**Get your classified ad posted to the “Careers” tab without the accompanying printed ad.**

**E-mail your posting to [fweaver@hoyletanner.com](mailto:fweaver@hoyletanner.com) and request the “WEBSITE ONLY”**

**Classified rate of \$50.00**



**Visit us on Facebook ([www.facebook.com/asceNH](http://www.facebook.com/asceNH)) and  
Linkedin ([www.linkedin.com/grp/home?gid=4868478](http://www.linkedin.com/grp/home?gid=4868478))**

# PROFESSIONAL DIRECTORY

**YOUR SOLUTIONS PROVIDER**

- SaniTite® HP Pipe
- N-12® Pipe
- StormTech®
- SWQU
- FLEXSTORM® Inlet Filters
- HP Storm Pipe
- Geosynthetics
- Nyloplast®
- BaySaver®
- MEGA GREEN™ Recycled Pipe



For more information please contact 1-800-821-6710 or visit [www.ads-pipe.com](http://www.ads-pipe.com)

© 2014 Advanced Drainage Systems, Inc. 0914 MH



**Civil & Structural Engineers  
Land Surveyors  
Environmental Consultants  
Landscape Architects**

**Proud Supporters of ASCE NH**

[www.allenmajor.com](http://www.allenmajor.com)  
(603) 627-5500

Manchester, NH   Woburn, MA   Lakeville, MA

**listen. think. deliver.®**

Water  
Environment  
Transportation  
Energy  
Facilities



Manchester, NH



**Civilized Solutions**  
Infrastructure Solutions

Develop. Deliver. Operate. Done.

Chris Garlick, P.E.  
Phone: (603) 733-4603  
Email: [chris@civilizedsolutions.com](mailto:chris@civilizedsolutions.com)  
Web: [civilizedsolutions.com](http://civilizedsolutions.com)

**Providing New England With  
Quality Engineering Solutions For 37 Years**

- Survey • Site Development • Traffic/Transportation • Civil & Structural Design
- Inspections/Review • Bridge & Highway Design • Water/Wastewater
- Solid Waste Management • Construction Management • Value Engineering



CLD Consulting Engineers, Inc.  
540 North Commercial St., Manchester, NH 03101  
[www.cldengineers.com](http://www.cldengineers.com) phone: 603-668-8223 fax: 603-668-8802



**FOR MORE INFORMATION, CONTACT:**

Steve Wolf, P.E. - Sales and Technical Consulting - 802-233-9110  
Kevin Giambone, P.E. - Precast CON/SPAN and Plate Bridges - 518-636-5881  
John Stiver, P.E., CPSWQ - Stormwater Treatment & Detention - 207-892-0348  
Justin Reardon, P.E. - Vehicular and Pedestrian Truss Bridges - 207-885-6125

Bridges | Drainage | Erosion Control | Retaining Walls | Stormwater Management | Wastewater Treatment

[swolf@conteches.com](mailto:swolf@conteches.com) • [www.ContechES.com](http://www.ContechES.com)



**CMA ENGINEERS, INC.**  
CIVIL/ENVIRONMENTAL ENGINEERS

- PORTSMOUTH 603-431-6196
- MANCHESTER 603-627-0708

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

Engineering services of outstanding quality

- CIVIL • HIGHWAY • STRUCTURAL
- WATER AND WASTEWATER • SOLID WASTE



**CONSULTING ENGINEERS**  
Since 1962

[www.dubois-king.com](http://www.dubois-king.com)

BEDFORD 603-637-1043  
LACONIA 603-524-1166

Bridges   Civil/Site  
Dams   Water/Sewer  
Airports   Facilities



**Richard T. Porter, P.E.**  
Geotechnical Engineer

**Engineered Foundation Technologies, LLC**  
P.O. Box 707  
Nashua, NH 03061  
Ph: 603.598.0089  
Fax: 603.598.0091  
[rporter@engineeredfoundationtech.com](mailto:rporter@engineeredfoundationtech.com)

Design/Build Services - Pressure Grouting - Foundation Underpinning  
Helical Anchoring - Earth Support - Tiebacks - Slabjacking - Shoring

**FAST LAB.**

Comprehensive water and soil testing services since 1980.



800.287.0525 • [eailabs.com](http://eailabs.com)

**FAY, SPOFFORD & THORNDIKE**  
Engineers - Planners - Consultants



288 South River Road  
Bedford, NH 03110  
1-800-835-8666  
[www.fstinc.com](http://www.fstinc.com)  
Twitter: @fstinc



**GeoInsight®**  
Environmental Strategy & Engineering

[www.GeoInsight.com](http://www.GeoInsight.com)  
800.217.1953



**R.W. Gillespie & Associates, Inc.**

Geotechnical Engineering • Environmental Consulting • Materials Testing Services

Portsmouth, NH 603-427-0244  
Saco, ME 207-286-8008  
Mansfield, MA 508-623-0101  
[www.rwgillespie.com](http://www.rwgillespie.com)



**Golder Associates**  
Offices Nationwide

Local Office:  
670 N. Commercial St. Suite 103  
Manchester, NH 03101  
Tel: 603-668-0880  
Fax: 603-668-1199



ENGINEERING SOLUTIONS  
THAT STAND THE TEST OF  
TIME

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



**ENGINEERS. INSPECTORS. PARTNERS.**

SERVING CLIENTS THROUGHOUT  
NEW ENGLAND FOR MORE THAN 25 YEARS

Construction Survey	Land Survey
Bridge Inspection	Structure Inspection
On-Call Services	Building Design
Bridge Design	Design / Build
Roadway Design	Traffic Design
Hydraulics & Drainage	

187 LOUDON RD. • SUITE 310 • CONCORD NH 03301  
P. 603.856.7854 • F. 603.856.7855

New Hampshire Section ASCE

 <p><b>We are Proactive by Design.</b> <i>We are One Company. We are GZA.</i></p> <p><b>GZA GeoEnvironmental, Inc.</b> 5 Commerce Park North Suite 201 Bedford, NH 03110-6984</p> <p>T: 603-623-3600 F: 603-624-9463 gza.com</p> <p>GEOTECHNICAL ENVIRONMENTAL ECOLOGICAL WATER CONSTRUCTION MANAGEMENT</p>	<p><b>Quality Surface &amp; Borehole Geophysics</b></p> <p>Take a closer look. You'll like what you see!</p> <p><b>HAGER-RICHTER GEOSCIENCE, INC.</b></p> <p><a href="http://www.hager-richter.com">http://www.hager-richter.com</a> <b>603-893-9944</b></p> <p>WBE certified in eleven states</p>	<p><b>HAYWARD BAKER</b> Geotechnical Construction</p> <p>◆ AGGREGATE PIERS ◆ MICROPILES ◆ SOIL NAILS AND TIE-BACKS ◆ JET AND COMPACTION GROUTING ◆ SOIL MIXING</p> <p><b>COMPLETE GROUND MODIFICATION SOLUTIONS AND SERVICES</b></p> <p><b>Greg Simmons, P.E.</b> Business Development Northeast Regional Office <b>800-868-4292</b></p> <p>New England Area Office <b>401-334-2565</b></p> <p>For a complete listing of offices, visit <a href="http://www.HaywardBaker.com">www.HaywardBaker.com</a></p> <p><b>SPECIALTY FOUNDATION CONTRACTOR</b></p>
<p><b>HEB Engineers</b> CIVIL • STRUCTURAL • SURVEY</p> <p><a href="http://www.hebengineers.com">www.hebengineers.com</a>   603-356-6936</p>	<p><b>Hoyle, Tanner &amp; Associates, Inc.</b></p> <p>Engineering Planning Design Construction Services</p> <p>150 Dow Street Manchester, NH 03101 (tel) 603-669-5555 • (fax) 603-669-4168</p> <p>Pease International Tradeport 100 International Drive - Suite 360 Portsmouth, NH 03801 (tel) 603-431-2520 • (fax) 603-431-8067</p> <p><a href="http://www.hoyletanner.com">www.hoyletanner.com</a></p>	 <p><b>David Fairley</b> US National Sales Rep dfairley@iecsusa.com Cell: 607-644-5516</p> <p>International Erosion Control Systems Inc.</p> <p>Toll Free: 1-855-768-1420 Head Office: 519-768-1420 Fax: 1-855-768-1425 <a href="http://www.iecsusa.com">www.iecsusa.com</a></p> <p><b>US Division:</b> Tampa, FL</p> <p><b>Canadian Division:</b> West Lorne, ON</p>
<p><b>JTC</b> JOHN TURNER CONSULTING</p> <p>GEOTECHNICAL ▼ ENVIRONMENTAL ▼ RESIDENT ENGINEERING ▼ TESTING</p> <p><b>John D. Turner</b> President</p> <p>O: 603-749-1841 C: 603-234-0850 E: johnt@consultjtc.com</p> <p>19 Dover Street Dover, NH 03820</p> <p>MA   NH   ME   VT   RI   CT   NY <a href="http://www.consultjtc.com">www.consultjtc.com</a></p>	<p>Energy • Facilities • Government Transportation • Water</p>  <p><b>KLEINFELDER</b> Bright People. Right Solutions.</p> <p>2 Wall St., Suite 450   Manchester, NH 603.623.4400   <a href="http://www.kleinfelder.com">www.kleinfelder.com</a></p>	 <p>Engineering • Construction • EH&amp;S • Energy • Waste</p> <p>779 South Main Street Manchester, NH 03102-5143 Tel: 603.625.8399 Fax: 603.625.8799 An employee-owned company</p> <p>On the web at <a href="http://www.Loureiro.com">www.Loureiro.com</a></p>
 <p><b>McFarland Johnson</b></p> <p>Highway • Bridge • Aviation • Environmental • Facilities Site/Civil Engineering &amp; Design Services</p> <p>53 Regional Drive Concord, NH 03301 Phone: (603) 225-2978 Fax: (603) 225-0095</p> <p><a href="http://www.mjinc.com">www.mjinc.com</a></p>	 <p><b>MHF Design Consultants, Inc.</b></p> <p>ENGINEERS • PLANNERS • SURVEYORS</p> <p>44 Stiles Road, Suite One Salem, New Hampshire 03079 (603) 893-0720 <a href="http://www.mhfdesign.com">www.mhfdesign.com</a></p>	 <p><b>Minerallac</b> Company</p> <p><b>(630) 543-7080</b></p> <p><a href="http://www.minerallac.com">www.minerallac.com</a></p>
 <p><b>MILLER ENGINEERING &amp; TESTING, INC.</b></p> <p>GEOTECHNICAL / SOIL BORINGS / ENVIRONMENTAL / CONCRETE STEEL / ROOFING / ASPHALT INSPECTION</p> <p>100 SHEFFIELD ROAD • PO BOX 4776 MANCHESTER, NEW HAMPSHIRE 03108 TELEPHONE (603) 668-6016 FAX (603) 668-8641 NORTHBORO, MASSACHUSETTS</p>	 <p>Civil Engineers Structural Engineers Traffic Engineers Land Surveyors Landscape Architects Scientists</p> <p><b>Contact: Robert Duval, PE, LEED AP - President</b> <b>(603) 472-4488</b> <a href="http://www.tfmoran.com">www.tfmoran.com</a></p> <p>TFMoran, Inc., 48 Constitution Drive, Bedford, NH 03110 MSC a division of TFMoran, Portsmouth, NH (603) 431-2222</p>	<p><b>Nel Pretech</b></p>
 <p><b>ENGINEERING A SUSTAINABLE FUTURE</b></p> <p><a href="http://www.nobiseng.com">www.nobiseng.com</a></p> <p>MINORITY BUSINESS ENTERPRISE &amp; SMALL DISADVANTAGED BUSINESS</p> <p>603.224.4182</p> <p>COMPLIANCE / PERMITTING BROWNFIELDS FACILITIES / CAMPUS ENGINEERING SUSTAINABLE / CIVIL SITE DEVELOPMENT GEOTECHNICAL ENGINEERING ENVIRONMENTAL SERVICES WATER SUPPLY</p>	 <p><b>PARSONS BRINCKERHOFF</b></p> <p>Program/Construction Management • Planning • Engineering</p> <p>650 Elm Street Manchester, NH 03101 603-647-2012</p> <p>Over 125 Years of Engineering Excellence</p> <p>Visit our website: <a href="http://www.pbworld.com">www.pbworld.com</a> Offices Worldwide</p>	 <p><b>Pathways Consulting, LLC</b></p> <p>Planning • Civil &amp; Environmental Engineering • Surveying • Construction Assistance</p> <p>240 Mechanic Street • Suite 100 Lebanon, New Hampshire 03766 Phone (603) 448-2200 • Fax (603) 448-1221 • Email: <a href="mailto:pathways@pathwaysconsult.com">pathways@pathwaysconsult.com</a></p>

**Quantum Construction Consultants, LLC**



Bridges | Roadways | Structures | Dams

Providing Innovative Engineering Solutions to Municipalities and Private Clients

27 Loeki Road, Concord, NH 03301  
(603)224-0859 quantum-cc.com

**SANBORN HEAD**

*Building Trust. Engineering Success.*

Providing technical consulting services to clients in the Industrial, Solid Waste, and Development Markets.

www.sanbornhead.com

**TEC TIG ENVIRONMENTAL CONSULTANTS, LLC**

27 LOCAL ROAD, CONCORD, NH 03301-5417 TELEPHONE: 603-228-1122 FAX: 603-228-0128

*"Providing Sustainable Water Resources Solutions"*

A Turner Group Company  Contact: jlavigne@hiturner.com

**TEPP LLC**

**TRANSPORTATION ENGINEERING, PLANNING AND POLICY**

93 Stiles Road, Suite 201  
Salem, New Hampshire 03079  
Phone (603) 212-9133/Fax (603) 226-4108  
tepp@teppllc.com/www.teppllc.com

**Reserved for YOUR Company!**

Serving Clients in

education | energy | government | health care | industry | real estate | water & wastewater



**Tighe & Bond**

Consulting Engineers | Environmental Specialists

**Since 1985**



**an integrated environmental service organization**  
CONSULTING · CONTRACTING · ENGINEERING

A Service Disabled Veteran Owned Small Business (SDVOSB)

Moorestown, NJ www.ttienv.com 856-840-8800

**ENGINEERING DIVISION**

Civil/Site Design  
Landscape Architecture  
Environmental  
MEP  
Municipal  
Inspection & Testing  
Transportation  
Structural

93 Stiles Road, Ste 201  
Salem, NH 03079  
603-226-1950  
13 Branch Street, Ste 111  
Methuen, MA 01844  
978-749-9929

**The H.L. Turner Group Inc.**

Architects ■ Engineers ■ Building Scientists



Concord, NH ■ 603/228-1122 ■ www.hiturner.com

2 Bedford Farms Drive, Suite 200  
Bedford, NH 03110 | 603.391.3900

www.vhb.com

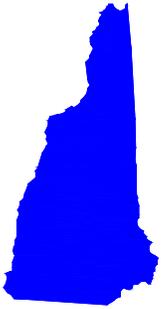
Engineers  
Scientists  
Planners  
Designers



Serving New Hampshire for 35 Years

**Only \$16.50 per Month for Business Card Sponsorship**

**The ASCE NH Section thanks our many sponsors for their continuing support!**



New Hampshire Section  
P.O. Box 4953  
Manchester, NH 03108

Address Correction?  
1-800-548-ASCE or  
[www.asce.org/myprofile](http://www.asce.org/myprofile)

## Planning Calendar

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

Stay tuned to [www.ascenh.org](http://www.ascenh.org) for information on Fall happenings!

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