

The New Hampshire *Civil Engineer*

New Hampshire Section of the American Society of Civil Engineers
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NOVEMBER 2015 PRESIDENT'S MESSAGE



Some people think of November as the transition month between Fall and early Winter. We engineers and scientists think of it as the final push of construction season and the ramp up of design season. Maybe this design season the next Outstanding Civil Engineer Award (OCEA) project will be born. Eversource will

finish off October with their OCEA presentation on the Merrimack Station Clean Air Project. We would like to congratulate them once again for winning last year's OCEA award. We look forward to reviewing the great projects that will be submitted for 2016 OCEA award in May. If you have a great project that your company completed this year or last year please consider

submitting an OCEA award application. It is great exposure for your company and it is an opportunity to show your colleagues what your company is capable of.

Our next meeting is a joint meeting with the Vermont ASCE. The meeting topic is the innovative I-91 project in Hartford, VT where they utilized slide bridge construction to speed construction and minimize bridge closure time. We are constantly asking our lawmakers to invest in infrastructure but we also have a responsibility as engineers and constructors to continually evaluate our practices and find ways to be more innovative and efficient to get the most out of each dollar. Please join us and the Vermont section at the Coolidge Hotel on November 18th. For sign up information please visit our website at www.ascenh.org.

Speaking of infrastructure, NHDOT is winding down on their hearing tour for their 10-year plan. ASCE-NH supports the 10 year plan and encourages our membership to review the plan and provide relevant comments to NHDOT for consideration. For more information on the plan please visit the NHDOT website at

<http://www.nh.gov/dot/org/projectdevelopment/planning/typ/index.htm>

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What's Inside?

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..... and more!

Newsletter Editor

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Details on website.

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

Next deadline
(For December 2015 issue):
November 10, 2015

Newsletter Publisher
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Finally, we are working on a new newsletter format that is more user friendly for the mobile world. As part of the new format, we would like to showcase the interesting projects going on throughout the region. Each month we will ask ASCE members for project photos that will be entered to be used as our newsletter cover photograph. Please limit one photograph per company per month and include project name and photograph credit. We look forward to seeing what everyone is working on out there. Stay tuned for more details. Also, if you would like to advertise your services in our newsletter please email our newsletter editor Fran Weaver at Hoyle Tanner fweaver@hoyletanner.com, she will help you with the various levels of sponsorships we provide.

If you have any questions or comments please feel free to drop me an email at jay.hodkinson@gza.com.

Enjoy the rest of the Fall while it lasts!

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.

UPCOMING EVENTS

October 29th – Eversource Clean Air Station Presentation

<https://events.r20.constantcontact.com/register/eventReg?oeidk=a07ebm9dx3l3a1d1355&oseq=&c=b9a3de90-d2fd-11e3-b612-d4ae5275dbc8&ch=ba1f7730-d2fd-11e3-b631-d4ae5275dbc8>

November 18th – I-91 Bridge Slide Project

<http://events.constantcontact.com/register/event?llr=eg8ueflab&oeidk=a07ebo7eiyo5e5bf34>

December 17th – World Trade Towers.

Watch for the official announcement!





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BOARD MEMBER OF THE MONTH



Matthew T. O'Brien, P.E.
NH-ASCE Secretary



I am pleased to introduce myself as the Secretary for ASCE-NH Board of Directors. My name is Matthew O'Brien, and I have been volunteering on the Board for two years; most recently serving as the Clerk. My responsibilities consist of developing the Section's Annual Report, updating the Operating Manual as well as being the archivist.

My goal of this year is to expand upon the role of this position and develop a comprehensive document that acts as a knowledge vault for the Board. The very nature of this board is that people cycle through the various positions and eventually move on to other opportunities taking with them their experience and know-how on the inner workings and historical events of the board. These members are always available for reference but all memories fade with time. This vault will support newest members as they transition in their roles and responsibilities.

Further developing the sustainability of the board and engineering profession, I'm very excited to work with the President-elect to invigorate our younger members and impressionable youth to become passionate about who we are and what we accomplish. I first determined to be an engineer when I was in middle school and wasn't a contributing member of ASCE until the board reached out to me.

When I'm not advancing the profession, I serve dual roles as an Aviation Planner and an Engineering Project Manager for the Aviation Services Group at Hoyle, Tanner & Associates, Inc. I provide a comprehensive line of aviation planning, environmental and construction services for airport development.

Born and raised in Portland, Maine, I returned there after my scholastic career at Roger Williams University in Rhode Island. I interned as a land surveyor and was hired full-time as an E.I.T., permitting and engineering commercial sites and residential subdivisions. Displaced by the Great Recession, I now live in Manchester with my adorable daughter and beautiful wife.

I encourage all of you to reach out to the board members and let us know your thoughts and suggestions on how we can better improve our profession.

News from around the engineering community

SANBORN, HEAD & ASSOCIATES, INC.



Patricia M. Pinto, PE, LSP, LEP joins Environmental Business Council (EBC) New England's Board of Directors. As Vice President and Board Member for Sanborn Head, Tricia helped grow and now leads the Developer Client Service Area, providing services to the greater Boston real estate development market. Tricia is considered an expert in hydrogeologic and environmental investigations, remedial system design and implementation, and environmental due diligence. With 17 years of experience, Tricia is in a position to really make a difference as a member of the EBC Board of Directors.

The responsibilities of the EBC Board of Directors include establishing governing policies and objectives, reviewing the annual budget, and actively participating in EBC programs, meetings and events and support the EBC Committees and State Chapters. Tricia is honored to serve on this prestigious Board, supporting and fostering the development of the environmental industry throughout New England.

Check out the wide variety of upcoming EBC Programs here: <http://ebcne.org/calendar/>



HOYLE, TANNER & ASSOCIATES, INC.



Please join us in welcoming **Charlotte A.C. Bouvier, PE**, to our firm as a Senior Structural Engineer and Project Manager in the Structural Building Group in our Portsmouth office.

Charlotte earned her Bachelor of Science in Civil Engineering from Tufts University and her Master of Engineering degree, concentrating in High Performance Structures, from MIT. She comes to Hoyle, Tanner with 12 years of experience in the design of new buildings as well as the evaluation and rehabilitation of existing buildings. She is a registered Professional Engineer in New Hampshire, Massachusetts, Vermont, and five other states, as well as in Nova Scotia, Canada.

Charlotte has a broad range of experience designing or rehabilitating steel, concrete, and wood structures that required her to coordinated with other design consultants and provide construction administration services. She has been involved in numerous project-related presentations and publications, including co-writing a paper for the 2015 Structural Congress. She currently serves as the co-chair of Women in Design (WiD), a

subcommittee of the Boston Society of Architect (BSA), with the mission to celebrate and encourage the success and leadership of women in the design community.

Cranium Challenge

November 2015

Congratulations to **Kirk Stenersen, PE of Higher Design PLLC** and **Darren Benoit, PE of McFarland Johnson**, who both answered the August/September Puzzle correctly!

The August/September Puzzle asked:

In a new subdivision there are 25 building lots. Ten of these lots have less than six trees on them. Another ten lots have more than seven trees on them. Four lots have more than eight trees. What is the total number of building lots with either six, seven, or eight trees?

Answer:

Ten lots have fewer than six trees (given). Lots that have either six, seven, or eight trees is unknown (we'll call this unknown N). Four lots have more than eight trees. If there are 25 total lots, this tells us that $(10+4)+N$ must equal 25. Therefore, there are 11 lots with either six, seven, or eight trees.



Sorry, no November 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?

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Civil/Environmental Engineers - We are seeking to expand our civil/environmental engineering staff to complement our current team of civil engineers. We have two openings to fill, preferably one in our Manchester, NH office and one in our Portsmouth, NH office. Qualified candidates will demonstrate prior design experience in civil and environmental engineering, including some or all of the following areas: water distribution, sanitary sewers and wastewater pumping stations, drainage utilities, solid waste/landfills, municipal roadway and streetscape, hydrology and hydraulics modeling, GIS database management, and site development projects. Two to five years' experience preferred. BSCE and EIT required. MSCE preferred, or interest in pursuing on-line engineering masters. Candidates with varying levels of experience will be considered.

Responsibilities of these positions include evaluation, analysis, design, technical writing, and use of AutoCAD Civil 3D in development of design/construction documents. The position will also include construction administration of projects for state, municipal, and private clients.

CMA Engineers, Inc. offers a challenging, yet comfortable, collaborative atmosphere with significant professional growth opportunities and outstanding and unique employee benefits. Qualified candidates should send a resume with cover letter to: Human Resources, CMA Engineers, Inc., 35 Bow Street, Portsmouth, NH 03801 or email to: info@cmaengineers.com. CMA Engineers, Inc. is an EEO Employer.



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Now reserving space for 2016!

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.

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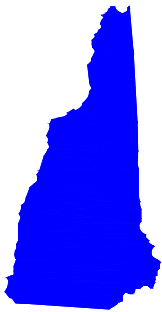
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Planning Calendar

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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.