First of all, I would like to congratulate Paul Sbacchi on his acceptance onto the Board of Directors. He will be serving in the Director at Large role. The returning four members of the board will be serving another term in their current roles; myself as president, Tom French as Vice President, Bob Champagne as Treasurer, and Chris Fournier as Secretary. We had a great meeting over the summer and are ready to dive in to another year!

I am really excited about the recent endeavors of our group, ranging from an active Code Advisory Committee, to a new Young Members Group, and supporting the needs of structural engineers at the state and national levels.

Here are a few things to look forward to in the coming months:

- We will be releasing a survey to find out how we can better serve the membership.
- We have been researching the option to pay for dues and meetings online.
- Our Young Members Group is growing and has some exciting events planned.
- We have many interesting speakers lined up this year, including the Lead Design Engineer for the Freedom Tower (One World Trade Center), December 17th.

As always, we are looking for volunteers. Many of these initiatives are just beginning, and it is a great time to get involved as much or as little as you are able.

Thank you to all that currently support and volunteer for SENH! If you are interested in becoming more involved or have any questions or concerns, feel free to contact me at president@senh.org or (603) 647-2012.

Thank you and have a great fall! Happy holidays and see you in 2016.

President’s Letter
The NH Building Code Review Board (NHBCRB) will be holding a Public Hearing on September 11, 2015 at 10 AM to consider recommending that the legislature take action to update the state building code to the 2015 edition of the International Existing Building Code (IEBC). This proposed amendment and others related to the 2015 IEBC can be viewed on the board’s exhibit page. If you wish to express your support (or lack of support) for updating to the 2015 code and you cannot attend the advertised Public Hearing, you can submit written testimony that will shared with the board members. Send it to:
Shawn Bergeron, Chair
State Building Code Review Board
Commissioner’s Office
Department of Safety
33 Hazen Drive
Concord, NH 03305
e-mail: bldgcodebrd@dos.nh.gov

For more information on the Summit, including agenda and registration use the following link:
http://www.ncsea.com/meetings/annualconference/

High stakes kickball versus ASCE! This September the SENH Younger Members Group has scheduled a kickball game against the NH ASCE Younger Members Group and we are looking for players! The game will be held on September 16 from 6-8pm in Manchester, followed by a social hour to celebrate our almost certain victory. If you are interested in playing please send an email to brownsi@pbworld.com.

Look forward to seeing you there,
~SENH Younger Members group

The NH Building Code Review Board (NHBCRB) will be holding a Public Hearing on September 11, 2015 at 10 AM to consider recommending that the legislature take action to update the state building code to the 2015 edition of the International Existing Building Code (IEBC). This proposed amendment and others related to the 2015 IEBC can be viewed on the board’s exhibit page. If you wish to express your support (or lack of support) for updating to the 2015 code and you cannot attend the advertised Public Hearing, you can submit written testimony that will shared with the board members. Send it to:

Shawn Bergeron, Chair
State Building Code Review Board
Commissioner’s Office
Department of Safety
33 Hazen Drive
Concord, NH 03305
e-mail: bldgcodebrd@dos.nh.gov

Public comment will also be sought at the September Public Hearing for the 2015 International Mechanical Code (IMC) with related amendments. The agenda for the regularly scheduled board meeting on that date will include taking action on codes for which public hearings have already been held. Those include the 2015 International Energy Efficiency Code (IECC) and the 2015 International Plumbing Code (IPC) along with related amendments.

Earlier this summer the board held hearings and took action on the 2015 editions of the International Building Code (IBC) and the International Residential Code for 1- and 2- Family Dwellings (IRC). Once this process of reviewing and holding public hearings for the i-codes included in the state code concludes, the board will be looking bring this to the legislature early this fall. If you believe your representative or senator would be open to co-sponsoring this legislation please let me know. It is important that we get a strong show of support in both the House and the Senate.

If you have any questions about the board in general or this current process of updating the i-codes in particular, please do not hesitate to contact me.

Respectfully submitted,
Linda K McNair-Perry, P.E., SECB, e-mail: lperry@hoyletanner.com
NH Building Code Review Board member
The National Council of Structural Engineers Associations (NCSEA) serves to advance the practice of structural engineering, and, as the national voice for practicing structural engineers, protect the public’s right to safe, sustainable and cost effective buildings, bridges, and other structures.

The association offers continuing education opportunities through the publication of its widely-read magazine for the practicing structural engineer, its technical publications, and its monthly e-newsletter covering Member Organization (MO) events and offerings. Other continuing education opportunities include webinars, NCSEA publication seminars, and in-person educational programming at the Annual Conference and the Winter Leadership Forum. NCSEA promotes structural engineering certification and structural engineering licensure, generates and responds to code and standard changes, and promotes the practice of structural engineering to students and the general public. NCSEA members have opportunities to work on committees, participate in networking activities, and further improve their structural engineering practices.

Members of a state NCSEA MO are automatically members of NCSEA, a national group comprised of structural engineers in state structural engineering associations throughout the United States.

For members of state NCSEA MO’s, the following NCSEA benefits are available:

- **NEW!** The opportunity to purchase a yearly subscription for NCSEA educational webinars. Only open to NCSEA members, there are two options: $750 buys you unlimited live NCSEA webinars over the course of one year. $995 gives you unlimited live NCSEA webinars and the opportunity to view any of the 160+ NCSEA Recorded Webinars for only $30 each!
- Access to the new [NCSEA member portal](#). This portal will allow NCSEA members to access their information, events, registrations and committees online, as well as provide access to NCSEA member-only documents and information.
- STRUCTURE magazine, the leading monthly magazine for structural engineering, in both print and electronic versions.
- Structural Connection, NCSEA’s monthly member newsletter with information on NCSEA and MO activities and events.
- Access to the development and revision process for codes and standards.
- Membership discounts for the following NCSEA events and educational opportunities:
  - NCSEA webinars
  - NCSEA books & publications
  - Select ICC publications
- Access to the NCSEA LinkedIn online group.
- Opportunities to participate in NCSEA committees.
- The opportunity to network and learn from NCSEA members across the U.S.
NEXT MEETING: Wednesday, September 9, 2015

PRESENTATION: *Professional Ethics - A Refresher on What You Need to Know and Why Professional Ethics are Important*, by Bruce Beverly, P.E. This presentation will include a refresher related to key ethical points you need to know and why they are important to a practicing engineer. During this presentation, Bruce will engage the audience on selected ethical issues and scenarios through real-time polling using mobile cell phone texting. This will be a good opportunity to self-assess your working knowledge in this area. Please bring your mobile cell phone with texting capability to the presentation to actively participate.

SPEAKER: Bruce Beverly is the founder and Managing Director of Beverly Management Consulting, LLC which provides strategic, management, and governance advisory services to architectural, engineering and multi-disciplinary professional consulting firms. He also serves as an adjunct professor of civil engineering at Worcester Polytechnic Institute (WPI), Worcester, MA, teaching a graduate course on professional practice, and as an external board member of a Columbus, Ohio-headquartered engineering firm. Prior to founding Beverly Management Consulting, LLC in 2010, Bruce was a practicing geotechnical engineer for over 34 years at the firm of Haley & Aldrich, Inc., 31 years as a P.E. Prior to his planned departure from Haley & Aldrich, Bruce was the President/CEO and Chair of the Board of Directors. Bruce holds BS and MS degrees in civil engineering from WPI.

PLACE: Redhook Brewery
1 Redhook Way, Portsmouth, NH 03801

AGENDA: 5:30 pm-6:30 pm Registration/Social Hour 6:30 pm-7:15 pm Dinner 7:15 pm-7:30 pm Business Meeting 7:30 pm-8:30 pm Presentation

DINNER: Buffet with choice of Grilled Salmon or ESB Tips.

COST: SENH Member: $50.00 Non-Member: $55.00 Full Time Student: $15.00 - ‘no-shows’ will be billed at full amount.

RSVP: by Friday, September 4, 2015. There will be a $5.00 late fee for anyone wishing to RSVP past this date.

Please send check payable to “Structural Engineers of New Hampshire” with list of attendees to:

Hoyle, Tanner & Associates, Inc.  
Attn. Deb Coon  
150 Dow Street  
Manchester, NH 03101  
dcoon@hoyletanner.com

NOTE: 2.0 PDHs have been assigned for attendance to this program. Attendees are responsible for ensuring their check-in on the attendance list upon arrival at the meeting.
Meeting Minutes
May 13, 2015

May Attendance List 

Helical Screw Piles in Soil
Derryfield Restaurant (2.0 PDH’s)

<table>
<thead>
<tr>
<th>Name</th>
<th>Organization</th>
<th>Name</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alex Azodi, P.E., SECB</td>
<td>Omega Structural Engineers</td>
<td>Pat Haffert</td>
<td>Danbro Distributors</td>
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<tr>
<td>Lily Beyer</td>
<td>Summit Engineering, PLLC</td>
<td>Thomas E. Lamb, P.E.</td>
<td>TFMoran, Inc.</td>
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<tr>
<td>Josif Bieja, P.E.</td>
<td>Hoyle, Tanner &amp; Assoc., Inc.</td>
<td>Stephen Langevin, P.E.</td>
<td>Greenman-Pedersen, Inc.</td>
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<tr>
<td>Robert S. Busby, P.E.</td>
<td>Kalwall Corporation</td>
<td>Matthew Mullen</td>
<td>TFMoran, Inc.</td>
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<tr>
<td>Gregory Clauson</td>
<td>Hoyle, Tanner &amp; Assoc., Inc.</td>
<td>Joshua D. Reilly</td>
<td>Structural Systems, Inc.</td>
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<tr>
<td>Lou Cote</td>
<td>Steffeson Engineering Assoc., Inc.</td>
<td>Stephen Richard</td>
<td>Steffeson Engineering Assoc., Inc.</td>
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<tr>
<td>Normand G. Cote, P.E., SECB</td>
<td>NGC Structural, LLC</td>
<td>Joe Kipley, E.I.T.</td>
<td>Hoyle, Tanner &amp; Assoc., Inc.</td>
</tr>
<tr>
<td>G. Keith Donington, P.E.</td>
<td>Parsons Brinkerhoff</td>
<td>Adam M. Stockin, P.E.</td>
<td>Parsons Brinkerhoff</td>
</tr>
<tr>
<td>Ryan M. Dyer</td>
<td>Design Group Facility Solutions, Inc.</td>
<td>Carter Terry</td>
<td>Summit Engineering, PLLC</td>
</tr>
<tr>
<td>Jaime French, P.E.</td>
<td>CLD Consulting Engineers, Inc.</td>
<td>Jeffrey S. Treder, P.E.</td>
<td>Trexler Engineering</td>
</tr>
<tr>
<td>Rebekah Gaudreau, P.E.</td>
<td>Parsons Brinkerhoff</td>
<td>Eric Truede</td>
<td>Lakeside Engineering, Inc.</td>
</tr>
</tbody>
</table>

Meeting Minutes

Business Portion of the Meeting:
- SENH President Adam Stockin opened the SENH Business Portion of the meeting. Adam presented appreciation plaque to Josh Lund for service on BOD.
- Bob Champagne provided budget update to the membership.
- Bob Champagne gave update on status of the Good Samaritan Law. It is House Bill 292 – call your elected officials and urge them to vote yes.
- Adam Stockin updated membership of upcoming summer seminars:
  - Dr. Tim Mays – August 2015
  - SENH/ASCE meeting with Yoram Eilon on 1 World Trade Center – October 2015
- Adam Stockin conducted vote of membership for open BOD positions – only members may vote- Results:
  - Chris Fournier – voted in to remain on BOD
  - Tom French – voted in to remain on BOD
  - Paul Sacchi – voted onto BOD (replaces open spot vacated by Josh Lund)
- The meeting was then turned over to PDC chairman Josif Bicja to introduce the technical presentation of the evening.

Presentation Portion of the Meeting
Helical Screw Piles In Soil, by Pat Haffert of Danbro Distributors.
Pat Haffert, presented an interesting talk on the concepts, applications, and advantages/disadvantages of helical piles. Pat used helical pile components as props during his introduction to helical piles and how they work. Key take-aways from the talk include:
- Can be used in tension and compression
- Building code approved
- Direct correlation between torque required to install pile and the pile capacity
- Bear on soil (not rock)
- Not good for lateral resistance (can use battered piles to address lateral load)
- Helical plates control the capacity, not the shaft
- Advantages: no vibrations during installation, no spoils to remove, can fit in tight spots
SENH ANNOUNCES UNH SCHOLARSHIP WINNERS

Structural Engineers of New Hampshire (SENH) is very pleased to announce that two University of New Hampshire (UNH) Civil Engineering students have been selected for the 2015 Structural Engineering Scholarships. Scholarships of $500.00 each are provided to two UNH students each year. Students who are eligible are those that are entering their senior year of studies with a focus on structural engineering. This year, Ms. Katelyn Welch and Mr. Bimochan Poudyal are the winners. A scholarship award ceremony at UNH will be held on October 16, 2015 to recognize these fine individuals for their achievement.

SENH is proud to support these students as they pursue their undergraduate degrees, the first step in becoming tomorrow’s engineers and problem solvers.
Our Sponsors

Employment Opportunities

Hoyle, Tanner & Associates, Inc.

has new opportunities for you to become a part of our growing team working on exciting projects!

Hoyle, Tanner is a growing, employee owned, mid-size national consulting engineering firm with offices in the Northeast, Florida and U.S. Virgin Islands. Our reputation is one of quality service delivered on time, on budget, and with dedication and loyalty to our clients. We have opportunities for professionals who share our commitment to provide innovative, collaborative and sustainable engineering and planning solutions to the challenges our clients face, while enhancing the communities in which we work and live.

QUALITY ASSURANCE MANAGER: We are currently seeking a Resident Project Representative for observation of roadway, bridge, and utility construction. A minimum of 10 years of construction engineering experience in these fields is required. BSCE (MSCe preferred); P.E. (NY license preferred) and familiarity with material specifications and testing requirements (VT/PA/IN) plus. Survey experience a plus.

Primary assignment for this position through June 2017 will be as QAM on Brattleboro, VT I-91 Bridges 6 & 9 Replacement. This nationally acclaimed project is an exciting and unique opportunity to be a part of a design-build team and the completion of this signature structure. For more information on the project visit www.state.vt.us/transport/srbridge. (Career Code JA101710)

BRIDGE DESIGN TECHNICIAN LEVEL 1: We are seeking exceptional candidates with one to eight years of experience in the bridge design, inspection and construction fields to join a dynamic, growing team in our Manchester, NH office. Responsibilities include UAD preparation of design drawings, quantity and cost estimate calculations, bridge inspection assistance and bridge construction inspection and administration. Individual should possess an Associate Degree in Civil Engineering Technology. (Career Code 010109)

RESEARCH PROJECT REPRESENTATIVE: Successful candidate will provide on-site observation and resident engineering services on a CSO storage tank project in Maine. Requires at least 5 years construction related experience with emphasis on gravity sewers, wastewater treatment facilities, water mains, drainage systems, roadway reconstruction, new roads, and similar utility and infrastructure projects. Minimum of two years of education in civil engineering, construction management, Architectural design or civil engineering technology. GSHA training certificate (40 hours) required. Prior experience with the U.S. EPA Construction Grants Program a plus. (CL010615)

To apply for these exciting opportunities and join our team please send resume, citing Career Code to: HOYLE, TANNER & ASSOCIATES, INC., 150 Dow Street, Manchester, NH 03101 or e-mail: harr@hoyletanner.com. Visit www.hoyletanner.com for more.

HOYLE, TANNER & ASSOCIATES, INC. IS AN EQUAL OPPORTUNITY EMPLOYER

Quantum Construction Consultants, LLC

ENTRY LEVEL BRIDGE ENGINEER (Concord, NH)

Quantum Construction Consultants, LLC (QCC) is seeking a highly motivated, entry-level Bridge/Structural Engineer to join our progressive team in Concord, NH.

QCC specializes in the bridge and roadway infrastructure needs of municipalities. In addition to bridge and roadway infrastructure design, QCC provides quality engineering services including hydrologic and hydraulic analysis, drainage design, civil support services, structural design services, value design, construction support services, environmental permitting and dam design services. QCC’s engineering and design capabilities are complemented by our construction phase services.

Minimum Requirements:
- Bachelor of Science Degree in Civil Engineering (Structural emphasis)
- EIF or ability to obtain

Experience and Skills:
- Minimum 4-year experience in bridge design (buildings, dams, misc. structures a plus)
- LRFD design of concrete and steel structures
- Experience with AutoCAD or other drafting software
- Experience with engineering design software
- Proficient in MS Office Suite
- Excellent written and verbal communication skills
- Ability to work effectively in fast paced environment
- Working knowledge of AASHTO and DOT Specifications a plus

Responsibilities:
- Structural design calculations
- Drafting of design plans and details
- Assist in preparation of bridge design reports
- Assist project team on miscellaneous projects

This position includes a competitive compensation and benefits package.

Candidate must have strong work ethic, flexibility, willingness to learn and advance, and enjoy being a part of a dynamic and energetic team!

All inquiries will be kept in the strictest of confidence. Please forward the following information to Heidi Nuckles at Quantum Construction Consultants, LLC, 72 Locke Road, Concord, NH 03301 or email to hnuckles@quantum-cc.com:
- Cover letter summarizing your experience and how it aligns with this position
- Resume identifying your education, experience, employment history including names of firms and dates of employment, positions held and relevant work experience
- References – Provide a list of 3 references. Include firm name, title, phone and email information

27 LOCKE ROAD, CONCORD, NH 03301-5417 TEL: (603)324-8859 FAX: (603)324-3625

GRANITE COLUMNS
The NCSEA Winter Leadership Forum draws principals and leaders from a diverse group of structural engineering firms to engage in thought-provoking sessions, roundtables, and networking. This two-day Forum will feature top-notch, thought-provoking speakers and case studies.

In 2016, the Forum will focus on managing risk professionally, collaboratively and transparently. The first day will consist of interactive discussions on managing the various risks every firm faces every day. The second day will be a discussion of the various risks faced on projects and some of the preventative measures you can take. Three to four presentations of actual claims will be presented, with a discussion of what went wrong (if anything) and how some of these claims could have been avoided.

**ON THURSDAY, LOOK FOR:**

Legal advice, as well as give and take, on how to achieve your business objectives while minimizing the risks of litigation. Topics will touch on labor and employment law for managers, discrimination in the workplace, leveraging the hiring process to find the best candidates, background checks, best practices for conducting internal investigations, and more.

**Speaker:** Attorney Staci Ketay Rotman

**Staci Ketay Rotman** is a partner in the Labor & Employment Practice Group at Franczek Radelet P.C. She advises and represents employers in all aspects of labor and employment law and has represented clients before federal and state courts and administrative agencies, as well as in arbitration proceedings. Staci has extensive experience in connection with employment discrimination, sexual harassment, wrongful discharge, leave management, employee accommodation, restrictive covenants, employment related torts, employment policies and agreements, reductions in force, I-9 compliance and other workplace issues.

A Q&A Workshop-type format on the pros, cons, and financial implications of the various project delivery methods. This will be an informative ‘conversation’ about specific advantages/disadvantages, where you will have the opportunity to take away information tailored to your particular needs. Case examples for each delivery method will be covered, as time permits.

**Speaker:** Dale Munhall, AIA

**Dale Munhall,** AIA, is Director of Construction Phase Services for Leo A Daly at their national headquarters office in Omaha. He is a registered architect, certified by the National Council of Architectural Registration Boards (NCARB), and is a LEED Accredited Professional. During his four decade career he has developed a unique perspective on the entire project delivery process via his early experience as a construction manager and field superintendent and as a real estate broker and part-time building code official. He actively serves on committees of the American Institute of Architects (AIA) and the Design-Build Institute of America (DBIA), and he has written and made national presentations on various aspects of design and construction.

**ON FRIDAY, LOOK FOR:**

An exploration of the differences in E & O insurance policies and how to conform to insurance requirements. Have your questions answered on Best Ratings, prior acts coverage, pre-claim assistance and cost, whether coverage is limited to the settlement amount if the insured refuses settlement, and more.

**Speakers:** Dan Bradshaw, insurance agent, and Craig Coburn, attorney.

**Dan Bradshaw** is president at Benchmark Insurance Agency in Bountiful, Utah, and a past president of the Professional Liability Agents Network (PLAN). He specializes in risk management for designers, architects, and engineers, contract review, and professional liability/errors and omissions insurance.

**Craig Coburn** is an attorney and shareholder at Richards Brandt Miller Nelson. He is chair of the firm’s construction industry services and mediation/arbitration services groups and teaches at the University of Utah College of Engineering.

Claims Sharing: Three firms will present what happened to them when they were sued for professional negligence. They will tell their stories about the projects, the allegations, the outcome and the lessons learned; but the outcome and lessons learned will not be revealed until after WLF attendees have had their own opportunity to predict the outcome.

**Moderator:** John Tawresey, SE

**Speakers:** Seasoned [been sued] structural engineers and defense counsel

**John Tawresey** has over 47 years of experience as a structural engineer and was the Chief Financial Officer at KPFF Consulting Engineers for 38 years. He participated in the growth of KPFF from a 50-person firm to the 900-person firm that it is today. He is also a past president of the Structural Engineers Risk Management Council (SERMC) and past chair of the SERMC Claims Committee.
Member of

Board of Directors

President Adam Stockin, P.E.
Vice President Thomas French, P.E.
Secretary Christopher Fournier, P.E.
Treasurer Robert Champagne, P.E., LEED
Director at Large Paul Sbacchi, P.E.

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