



STRUCTURAL ENGINEERS OF NEW HAMPSHIRE

Granite Columns



President's Letter



When I first was elected to the Board about 4 years ago, I often asked myself, "What should SENH be doing better, and how can we achieve that?" Admittedly there were not a lot of clear visions that came to my mind. We are a group of structural engineers that usually keep things organized and running smoothly, "what can we *do* better?" While I couldn't put my finger on one thing at that time, our Board of Directors (BOD) have been committed to trying to find ways to give more to the membership. There have been many exciting developments over the last few years such as:

- Formation of a Young Member's Group
- Electronic payments (soon to be arriving online)
- Structural Training Classes
- Many great speakers
- Volunteers stepping up in various roles
- Formation of an EOY/YEOY award committee
- Active Code Advisory Committee

These are just a few of the things that "pop into my head". I am sure that there are some other things that I am simply forgetting. There are many members that deserve praise for all of the effort that they put in to these accomplishments.

The BOD have been spending some time over the last year putting together a questionnaire for the membership. We want to find out what things we are doing well, and what things we need to work on. We also want to tap into the membership to see if there are any ideas that you may have that would benefit the whole group. This will be released as an email link in the coming weeks and I would really appreciate everyone taking the time to invest in the survey. This is a great opportunity to let us know what you think. I promise that it won't take much of your time and that we will carefully consider all responses.

In other news.....Please mark your calendar for December 17th! We have an opportunity to have a brilliant speaker visit us from NYC to present One World Trade Center (The Freedom Tower), one of the most prolific buildings in US history. Please be sure to spread the word. This presentation will be great from a structural perspective, as well as all civil engineering perspectives. This meeting will take the place of our normally scheduled November meeting and then we will have our normal bridge meeting in January. I look forward to seeing you all there!

Thank you again to all that currently volunteer! 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.

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Special Points of Interest/ Reminders:

- *The next meeting is a joint meeting with ASCE on December 17, 2015 —See inside for details.*

SENH Young Members Group

Young Member Group Kickball ~ SENH vs ASCE NH

The SENH YMG recently hosted a kickball game in Manchester against our YMG counterparts in ASCE on September 16th. With a good turnout from both groups, it was SENH that in the end pulled off a 4-2 win over the civil engineers and took home the kickball trophy and bragging rights for the year.

Following the win, both teams reconvened downtown for drinks and appetizers with great discussion between our two groups. Thank you to everyone who got involved!



SENH Members (from left to right) Cameron Bellisle, Chris Fournier, Ryan McMullen, Eric Ohanian, Nevin Gomez, and Ross Wood



ASCE Members (from left to right) Chris Markley, Cameron Stuart, Tim Dunn, and Logan Johnson

Upcoming Information Session—PE Exam Application Discussion

The SENH YMG is offering a session for those who are interested in obtaining their professional engineer's license in the near future. The next application deadline is January 1, 2016. The goal of the session is to discuss:

- Engineer licensing in NH
- PE vs. SE – which should you take?
- The application process
- Exam preparation
- Exam tips and tricks

We hope to review these topics and answer any questions you may have about the process.

This session is scheduled for 6:00 PM, Tuesday, November 17, 2015 at the offices of WSP Parsons Brinkerhoff, 650 Elm Street, 4th Floor, Manchester NH 03101. If you are interested in attending please email ymg@senh.org, free pizza will be provided.

NCSEA 2015 Annual Summit, Las Vegas Nevada

Delegate Bob Durfee and Associate Delegate Alex Azodi represented SENH at the annual NCSEA Structural Summit that was held this year in Las Vegas, NV from September 30th to October 3rd. Members Peter Griem and Jeffrey Karam were also at the summit to attend Committee meetings that they serve on.

Committee meetings were held on Wednesday, 9/30. Bob attended Advocacy Committee: Students & Educators Subcommittee, Alex attended Code Advisory Committee: General Engineering Subcommittee and Peter attend Code Advisory Committee: Seismic Provisions Subcommittee. Jeffery Karam attended the first meeting of the newly formed subcommittee on IRC.

Thursday & Friday, 10/1 to 10/2 offered two tracks of presentations on topics of interest to structural engineers. Presentations covered a wide range subject matter including business, ownership transition, structural design and retrofit, Delegate Interaction and member organization work groups.

Saturday 10/3 was the annual business meeting attended by the Delegates. Forty four (44) member organizations were represented.

Delegates Durfee and Azodi will meet with the Board of Directors and give an overview of what is happening on the National Level with Structural Engineering, present information brought back from the Conference that can aid in improving SENH, and prepare a written report on the Conference to be posted on the SENH website.

Building Code Review Board Wrapping Up Code Update Hearings

The NH Building Code Review Board has held numerous public hearings throughout the summer and fall that considered the adoption the 2015 Mechanical, Plumbing, Energy Conservation, Building and Existing Building Codes along with the relevant amendments for each of the ICC codes. We are about to hold hearings on a new Swimming Pool and Spa Code that may be added to the list of NH codes.

A Legislative Service Request (LSR) has been filed with the House on behalf of the board. LSR 2016-2287 will result in a House Bill to update the ICC codes to the 2015 editions based on the recommendations of the Building Code Review Board. We are still looking for legislatures to sign on to the bill and help shepherd it though committees. If you know any representatives or senators that you think would be interested in signing on to the bill, please let me know.

Even if this passes the legislature in 2016 (and that is not a slam dunk), it may end up with an effective date far into the future. The 2015 NFPA made it through the legislative process in 2015 and still ended up with an effective date of 2018. A coordinated effective date will make sense, so unless things change you can hold off on buying the new codes for a bit. And in the meantime, there is public link to the 2015 codes (in pdf format) that is much better than the previous free links. <http://codes.iccsafe.org/I-Codes.html>

Respectfully submitted,

Linda K McNair-Perry, P.E., SECB, e-mail: lperry@hoyletanner.com
NH Building Code Review Board member

SENH/ASCE DECEMBER MEETING ANNOUNCEMENT

- NEXT MEETING:** Thursday, December 17, 2015
- PRESENTATION:** **One World Trade Center, by Yoram Eilon, P.E.** The presentation will discuss the design and construction of One World Trade Center (1WTC), which is the tallest of the four buildings planned as part of the Ground Zero reconstruction master plan for lower Manhattan. It is also the tallest building in the Western Hemisphere. The overall height of the tower from the ground level to the top of the spire reaches 1776 feet (541 meters) as a tribute to the "freedoms" emanating from the Declaration of Independence adopted in 1776. One World Trade Center's program includes 3.0 million square feet of new construction above ground and 500,000 square feet of construction of new subterranean levels. The tower consists of 71 levels of office space, and eight levels of MEP space. It also includes a 50-foot high lobby, tenant amenity spaces, a two-level observation deck at 1,242 feet (379 meters) above ground, a "sky" restaurant, parking, retail space and access to public transportation networks.
- SPEAKER:** **Yoram Eilon, P.E.**, is a Senior Vice President with WSP/Parsons Brinckerhoff. Since joining the company in 1999, he has completed various projects through all engineering phases from feasibility studies and initial conceptual design to production of contract documents and construction administration. He is an award winner of AISC 2014 Special Achievement Award. Mr. Eilon has more than nineteen years of experience in the design of high-rise commercial, office and residential towers, stadiums, and industrial structures. His work experience covers the entire spectrum of building types ranging from high-rise buildings to long-span structures and includes new construction as well as rehabilitation and alteration of existing structures.
- PLACE:** Manchester Country Club
180 S River Rd, Bedford, NH 03110
- 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 Baked Haddock, Sundried Tomato Chicken or Maple and Cider Cured Pork Loin.
- COST:** SENH/ASCE Member: \$60.00 Non-Member: \$65.00 Full Time Student: \$15.00 - 'no-shows' will be billed at full amount.
- RSVP:** by Monday, December 7, 2015. There will be a \$5.00 late fee for anyone wishing to RSVP past this date. Please signup/pay online at: www.ascenh.org/ or <http://events.constantcontact.com/register/event?llr=nfvkd8kab&oeidk=a07ebnh95o6be2a22c6> or send check payable to "ASCE-NH" to:
- Hoyle, Tanner & Associates, Inc.**
Attn. Matthew T. O'Brien
150 Dow Street
Manchester, NH 03101
mobrien@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.

September Attendance List & Meeting Minutes

Professional Ethics—A Refresher on What You Need to Know and Why Professional Ethics are Important, Redhook Brewery (2.0 PDH's)
September 9, 2015

Name	Organization	Name	Organization
Alex Azodi, P.E., SECB	Omega Structural Engineers	Scott Hartford, P.E.	Kalwall Corporation
Cameron E. Bellisle	Dubois & King, Inc.	Roger Keilig, PE, PG, CPESC	Nobis Engineering, Inc.
Bruce Beverly	Beverly Management Consulting, LLC	Tom Kilrain, P.E.	Department of Navy
Josif Bicja, P.E.	Hoyle, Tanner & Assoc., Inc.	Aaron M. Lachance, P.E.	Hoyle, Tanner & Assoc., Inc.
Sean F. Brown	Parsons Brinkerhoff	Thomas E. Lamb, P.E.	TFMoran, Inc.
Jay H. Brown, P.E.	Structural Systems, Inc.	Stephen Langevin, P.E.	Greenman-Pedersen, Inc.
Robert S. Busby, P.E.	Kalwall Corporation	Eric Ohanian, E.I.T.	Dubois & King, Inc.
Robert Champagne, P.E., LEED	Summit Engineering, PLLC	Linda McNair-Perry, P.E., SECB	Hoyle, Tanner & Assoc., Inc.
Normand G. Cote, P.E., SECB	NGC Structural, LLC	Joshua D. Reilly	Structural Systems, Inc.
Robert H. Durfee, P.E., SECB	Dubois & King, Inc.	Richard E. Roberts, P.E.	Foley Buhl Roberts & Associates, Inc.
Fred Emanuel, P.E.	Emanuel Engineering, Inc.	Paul Sbacchi, P.E.	TFMoran, Inc.
Christopher R. Fournier, P.E.	HEB Engineers, Inc.	Michael J. Sievert, P.E., SECB, LEED	MJS Engineering, P.C.
Roger W. Gayer, P.E.	Structures Unlimited, Inc.	Adam M. Stockin, P.E.	Parsons Brinkerhoff
Derek J. Gilbert, P.E.	MICRODESK, INC.	Ross Wood, P.E.	Hoyle, Tanner & Assoc., Inc.
Peter J.L. Griem, P.E.	Summit Engineering, PLLC		

Meeting Minutes

Business Portion of the Meeting:

- SENH President Adam Stockin opened the SENH business portion of the meeting.
- Bob Champagne provided a budget update to the membership.
- Bob Champagne stated that the Good Samaritan Law passed. The NH Architects & Engineers Emergency Response Task Force (NHAEER+TF) was instrumental in this action. Bob urged SENH members to join the NHAEER+TF, since structural engineers are vital during an emergency.
- Adam Stockin updated the membership of the upcoming events
 - ◊ Yoram Eilon on One World Trade Center was rescheduled to December 17th
 - ◊ Looking to book a Simpson Strong-Tie seminar in the near future
 - ◊ Sean Brown provided a reminder about the YMG kickball event vs. the ASCE YMG on September 16th.
- Adam turned the meeting over to PDC Chair Josif Bicja to introduce the technical presentation.

Presentation Portion of the Meeting

Professional Ethics – A Refresher on What You Need to Know and Why Professional Ethics are Important by Bruce Beverly

The presentation began with a refresher of the fundamental principles of ethics and the responsibility for ethical behavior. The relationship between morals, ethics, and law as it related to NH engineers was reviewed. Bruce also ran through many scenarios of ethical challenges and engaged the audience through real-time interactive polling via text message. The results were reviewed and his interpretation of the correct action based on the scenario was discussed among the membership.

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President

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