



President's Letter

Shortly after writing about the texts in the New Hampshire Institute of Technology (NHTI) Library in my last Newsletter, I availed myself of them to assist me in analyzing a structure built in the 1930s. The building undergoing selective demolition and major renovations has reinforced concrete floor with hollow clay tiles in rows. Several of the older books told me everything I needed to know about these "ribbed" concrete floors -- which is what they called that type of construction. While I was leafing through the first edition of Reinforced Concrete and Masonry Structures published in 1924, I found the following musings on 'Practical Considerations' by W.J. Knight:

"The successful engineer of today cannot attribute high recognition alone to a mastery of theory, without giving due credit to the great importance of

possessing common sense and the knowledge of application in its many diversified forms." An efficient designer or consulting engineer must have a "thorough knowledge of the successive operations of modern building construction, the cost, quality and suitability of building materials obtainable under different conditions, the cost of labor to execute a design, the comparative costs of the various structural arrangements, the point of view of the superintendent, and laborer, the importance of avoiding complicated designs when simple ones are just as efficacious, the principles of architectural practice, how to assemble drawings neatly, correctly and conscientiously, and last but not least, human nature and the technique of

good salesmanship."

I left the run on sentence alone, except I did have to edit out the reference the engineers as 'he'. Otherwise, I think the engineers of today can heed the 83-year-old advice. I would like to add that having a team of competent professionals who understand the flow of information between those that design form, those that design function and those that construct is indispensable to success. The engineer cannot do it alone.

Speaking of the flow of information, below you will find the profile of SENH's Administrative Assistant and Newspaper Editor, Deb Coon. I cannot tell you how indispensable she is to the smooth operation of this organization.

SENH Administrative Assistant Profile

Deb Coon serves as the Administrative Assistant for two operation groups at Hoyle, Tanner & Associates; the Bridge and Structures Group and Transportation Services Group. In addition to this dual role, she serves as the SENH Administrative Assistant, a position she has held for many years. Recently she assisted with announcements and registration for the inaugural NH Joint Societies Conference. She is a talented and energetic person who has been instrumental in many important initiatives and improvements to SENH that you may not be aware of. These include moving the monthly newsletter from the paper age to the digital age (a move that has reduced mailing and printing costs while making the newsletter available sooner); managing the registration process and nametag activities for monthly meetings, several graphic and readability improvements to the monthly newsletter and supporting the Board of Directors and numerous committees. Her dedication and efforts for SENH make the organization a better one for us all.

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Special Points of Interest/ Reminders:

- November Meeting— Joint Meeting with SEAM.
- At the recent NCSEA Conference, the delegate from Idaho highlighted a video they created on "Engineers Gone Wild".

Check it out at their website:
<http://www.seaidaho.org/>

Member Information

SENH is proud to welcome the following new members:

Members:

- ◇ Michael Sievert, P.E., MJS Engineering, P.C.
- ◇ Robert Neeld, Engineering Ventures, Inc.

Associate Members:

- ◇ Jeffrey Garnett, MJS Engineering, P.C.
- ◇ Thomas Mullen, Poole Professional Ltd.

Member Profiles: Public Relations Committee

This month we are offering brief profiles of the Public Relations Committee members. The SENH Board of Directors tasked the PR committee to consider ways in which to promote SENH in the engineering and general communities and report to the Board of Directors with ideas for further discussion and possible implementation. They recently submitted a Report of Findings to the Board. The Board thanks them for their hard work and invites you to read the report posted on the SENH website. We are also encouraging our members to engage them in dialog and even to consider joining with them in implementing the recommendations in the report.

Matt Low, PE, SECB is currently the Chairman of the PR Committee. Matt received his BSCE degree from the University of New Hampshire in 1992. He began his professional career in June, 1992 with Storch Associates, Inc. of Manchester, NH. In 1995, he joined Hayashi-McNally, Inc., a structural engineering firm located in Bedford, NH. In 1999, he joined the team at Hoyle, Tanner & Associates, Inc. as a Senior Structural Engineer and has since been promoted to Project Manager, Associate, Bridge Team Leader, Vice President and into his current role as Manager of the Bridge and Structures Group in the Manchester office of the firm. Matt's technical focus is on the design of interstate and municipal bridge projects, primarily in New Hampshire, Massachusetts and Vermont. Matt was formerly a member of the SENH Board of Directors from 2001 to 2004 including roles as Director at Large and President. He has also served on the Specialty Licensing Committee, the Website Committee, and the Continuing Education Committee. In addition to his duties with SENH, Matt is also the President-Elect of the New Hampshire Society of Professional Engineers (NHSPE) where he currently administers the society's Mathematics and Science Teachers Award Program. Matt lives in Manchester with his wife Kimberly, son Ian (10) and daughter Aislinn (6) and has been active for the last 6 years as a youth baseball and hockey coach. He enjoys fly-fishing, playing guitar, water skiing and boating.

Steve Johnson, P.E. serves as the Board Liaison to the Public Relations Committee. In addition to serving on the SENH Board of Directors, Steve previously served on the Professional Licensing Committee and Snow Loads Committee. He is currently a Project Engineer for the New Hampshire Department of Transportation. Steve received his degree in Civil Engineering from Iowa State University and practiced structural engineering in New York prior to moving to New Hampshire in 1988. His 26 years experience includes bridge design and rehabilitation, transit structures, commercial and residential buildings, dams, wastewater treatment structures and industrial structures. He is a licensed professional engineer in New Hampshire, New York, and Maine. Steve resides in Center Sandwich, NH with his wife Diane and son Erik.

Fred Emanuel, P.E. is a member of the PR committee. Fred is a founding director and former treasurer for 6 years of SENH. He received his BSCE degree from the University of New Hampshire in 1967 and thereafter joined Stone & Webster Engineering as a structural engineer. In 1974, he received his MSCE from Northeastern University. During his 20 years at Stone & Webster, he worked on fossil fuel power projects in charge of civil and structural design and engineering. In 1988, Fred started his own engineering firm, Emanuel Engineering, Inc., with offices in Stratham, NH. His staff works on a wide range of civil and structural projects encompassing new construction, renovations, life extensions, investigations, and evaluations. Fred is a licensed engineer in 8 states and has designed projects from Maine to the Virgin Islands. In addition to being active in SENH, Fred sits on the advisory committee at the Seacoast School of Technology; is an advisory board member at Community Bank & Trust, Exeter office; and is past president of the Exeter Rotary Club. Fred lives in Stratham with his wife Kathy. Their two married children also have settled in Stratham with David working at Emanuel Engineering and daughter Sharon and her husband the proud parents of one year old Tyler.

Kyle Roy, PE, SECB joined the PR committee at it's inception in 2006. He received his BCE degree from the Georgia Institute of Technology in 1995. His structural engineering career began in 1996 at Kimball Chase in Portsmouth, NH. In 2006, he joined the team at TF Moran Inc in Bedford, NH where he is currently employed as a Senior Structural Engineer. Throughout his career, Kyle's design experience has focused on structural building projects of new construction as well as the evaluation of existing structures for adaptive re-use. He has a diverse portfolio of building project types from industrial, commercial, residential, institutional, municipal to specialty structures including steel water storage tanks and environmental structures located throughout New England, Florida, Puerto Rico, and St. Thomas, USVI. In addition to SENH, Kyle is a member of AISC, and ABC. Kyle currently resides in Londonderry, NH with his wife Merrill and one son. During the summer he enjoys outdoor activities like mountain biking, camping, softball, golf, and when the leaves turn, he returns to playing and coaching indoor soccer.

Volunteers Needed

WEBSITE DEVELOPMENT: The PR Committee is looking for volunteers to further explore the ideas for website redevelopment, and enlist the expertise of a website development consultant to estimate initial costs and on-going maintenance costs. Also, begin preparing content for use by web developer. Solicit web development amongst SENH members. This is the foremost PR activity that will provide a basis for other activities that includes student outreach at all grade levels. One goal would be to roll out the new website and advertising in unison with engineer's week activities. We have already had at least one eager volunteer step forward, so you will not be alone!

NOMINATING: The Board of Directors is looking for some hardy souls for a stint on a newly formed Nominating Committee. Please let any board member know if you would consider helping us in this way.

More on Books and Resources

Retired UNH Professor Klotz has graciously offered to donate his personal library collection that consists of many undergraduate and graduate texts and many code editions - some going back to 1950. Since our Library Liaison just had surgery on her back and is limited to lifting 8 pounds or less for some time to come, please consider assisting in collecting the books from Dr. Klotz (who asked that this be done soon). Contact Linda at 603-283-0300 x 206 or email at Linda@gvengineeringllc.com.

Have any of you tried the document delivery services of the Linda Hall Engineering Library? Check out http://www.lindahall.org/services/document_delivery/index.shtml for more information. It does work well as a resource.

Last Call for Engineer of the Year and Young Engineer of Year

Please let a member of the Board know of someone that you think warrants consideration by November 1. It is **IMPORTANT** to note that **the candidates should not be informed of their nomination**. The SENH board is prepared to assist you with the preparation of the application package. See the SENH website for more guidelines.

Legislative Updates

Members of the subcommittee working on [HB 924 – Relative to the deconstruction of buildings](#) held a work session recently. This legislation defines “deconstruction” and establishes a “reuse plus recycling rate of 75 percent” benchmark “for any demolition, renovation, or new construction project funded in whole or in part by state funds”. The benchmark “shall be achieved and documented, unless it can be demonstrated in advance of the project start date that managing wastes for reuse and recycling will cost more than disposal of the same wastes.” In the HB 924 Fiscal Note NHDOT “states in the short term the requirements established by this bill may result in higher demolition bid prices.” The subcommittee is working on preparing an updated version of the bill and will present that shortly.

On Tuesday October 23rd there is a subcommittee work session on **SB 84 – Establishing procedural requirements to improve implementation of the 10-year highway plan** @ 2:00 pm in LOB 201.

NHDOT:

Speaking of 10-year plans, I found an article [“State DOT Chief Doesn't Mince Words on Transportation Needs”](#) on **New Hampshire Business Review**. In the article, Commissioner O'Leary “called for shrinking the state's 10-year plan to a six-year program, with money firmly committed for the first four years of each cycle.” It is an interesting and informative article.

NCSEA 15TH Annual Conference

Alex Azodi, Tom French And Bob Durfee are back from attending the annual NCSEA Conference on behalf of SENH. This year the three day conference was held on October 11th to 13th in Philadelphia, PA. Alex, Tom and Bob were able to attend most of the many NCSEA Committee Meetings and presentations on Thursday, as well as the technical sessions on Friday, and the NCSEA business meeting on Saturday. A brief presentation about what transpired at the Conference will be made at the next membership meeting on November 7, 2007 (see meeting announcement on page xx of this newsletter). A conference report, outlining all the activities of the conference that our attendees participated in, will be posted on the SENH website soon. This year, NCSEA will post the papers, power point presentations and meeting minutes for all topics presented at the conference on the NCSEA website. We will inform you of when this information has been posted and available on the SENH and NCSEA websites.

2008 Student Steel Bridge Competition: The Process Begins

The UNH students participating in [2008 ASCE/AISC Student Steel Bridge Competition](#) began meeting at the end of September to go over the rules and to strategize. They will be meeting weekly (for now Wednesdays at 10 AM). They recently decided to break into teams to develop multiple designs. They are going to use a [Pugh decision matrix](#) to select the best design with which to proceed. They hope to have the preliminary design by early November, to order the steel

before Thanksgiving break and work on it over Christmas break.

Professor Erin Bell will be advising the students involved in the steel bridge competition. If you would like donate your time or money (personal or corporate) to assist this group of dedicated students, please contact her at 603-862-3850 or via email: Erin.Bell@unh.edu. The students would benefit from the input of an experienced bridge (or building) engineer – within the ground rules

of the competition, of course. The students are open to holding occasional evening meetings to meet with professionals that are willing to donate their time.

UNH Career Day:

SENH will have a table there. If anyone wants to participate on November 1, 2007 from 11 AM to 3 PM let Linda McNair-Perry know. This is an opportunity to reach out to college students.



SENH/SEAM JOINT NOVEMBER MEETING ANNOUNCEMENT

NEXT MEETING: November 7, 2007

PRESENTATION: “**Prequalified Seismic Moment Connections**”, by Jason Ericksen, S.E. Director of AISC Steel Solutions Center.



In the Steel Solutions Center, Jason coordinates the efforts of the Solutions Center staff. Working as a team, they address the needs of the design and construction industry for the use of structural steel. In addition, he performs cost analysis studies as part of the Steel Solution Center’s initiative to offer cost-effective design alternatives for significant projects.

Jason will address seismic moment connections as defined in the new AISC Standard, Prequalified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications. With time available, he will address R=3 applications.

PLACE: **The Sheraton Harborside Portsmouth Hotel & Conference Center**
250 Market Street, Portsmouth, NH
Phone 431-2300
www.sheratonportsmouth.com

DIRECTIONS: I-95 to exit 7 in NH. Drive one mile east. Right turn at Russell Street and park in gated parking lot on the right.

AGENDA: 4:00 pm-5:00 pm Optional Tour at Novel Iron Works (see attached)
5:30 pm-6:30 pm Social Hour
6:30 pm-7:15 pm Dinner
7:15 pm-7:30 pm Business Meeting
7:30 pm-9:00 pm Presentation

DINNER: Pecan encrusted Canadian Pork Loin, Baked Haddock Asiago

COST: Member: \$45.00 Non-Member: \$50.00 Full Time Student: \$10.00

RSVP: by Friday, November 2, 2007

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

SENH
P.O. Box 226
Manchester, NH 03105-0226
Contact: Deb Coon, Administrative Assistant
dcoon@hta-nh.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.



PRE-MEETING TOUR ANNOUNCEMENT

- LOCATION:** Novel Iron Works
250 Ocean Rd.
Greenland, NH
(603) 436-7950
- OUTLINE:** Novel Iron Works has agreed to give members of SENH and SEAM a tour through their facility. The tour will encompass Novel's fabrication process from start to finish.
- Novel Staff will also give a short talk on cost effective design.
- DIRECTIONS:** Exit 3 off of I-95 in NH. Head south (left) on Rt. 33 for 1 mile. Take a left at intersection with Ocean Road (McDonalds on the right). After crossing over I-95, Novel Iron works is the second driveway on the right. Visitor parking and entrance is on the right side of the building.
- Please carpool to Novel Iron Works. Limited parking spaces are available. Meet at the front door no later than 4pm. Tour will begin promptly at 4pm. **Bring hard-hats**, just in case!
- COST:** Free (included as part of dinner meeting)
- RSVP:** Indicate the number of people going on the tour in your dinner reservation.
Deb Coon, Administrative Assistant, (603) 669-5555
- NOTE:** 1.0 PDH has been assigned for attendance to this program.



SENH September 26th Meeting Minutes

Business Portion of the Meeting

The meeting was called to order by Alex Azodi, P.E, at 6:45 pm, after the social time and dinner.

1. Treasurers Report: Jim Karmozyn, PE reported a \$15,653.30 balance for SENH.
2. Joint Engineering Societies Seminar: Jim announced that 70 people have signed up to attend the October 11 meeting. For those who have not signed up, but wish to attend, please note the registration deadline is Monday, Oct 1. Six PDH will be given for those who attend.
3. Newsletter: Alex asked those who have articles for the newsletter to please submit them before the Oct 10 deadline. Also for those looking for PDH credit, some non SENH events can be found in the newsletter.
4. UNH Career Day: SENH will have a table if anyone wants to participate on November 1, 2007 from 11 AM to 3 PM.
5. New Members: Since the last meeting three members have been approved. Approved for associate membership are Thomas Mullen of Poole Professional Ltd, and Jeffrey Garnett of MJS Engineering. Michael Sievert, PE of MJS Engineering is approved as a member.
6. NCSEA Annual Conference: Three SENH members will be attending the conference in Philadelphia this year. They are Bob Durfee, Tom French, and Alex Azodi.
7. Engineer of the Year: SENH is looking for nominations. The deadline to the board is November 1. Information concerning Engineer of the Year can be found in the last newsletter.
8. NHTI/SENH Library Collection: A Memorandum of Understanding has been signed by SENH and NHTI. SENH will collect engineering material to be held by NHTI. NHTI will be the library for those needing to borrow them. Dr. Klotz has offered his library collection of books and notes. Linda has already recruited a few volunteers to review and assess the books for usefulness. More volunteers are needed. If anyone is interested please contact Linda McNair Perry.
9. Note that meeting name tags have been replace with preprinted sticker labels.
10. Public Relation Committee: Matt Low summarized the committee's report given the board. The report will be posted at the website. The website is the focal point for improved public relation. Volunteers are needed to perform the services recommended by the PR committee.
11. New Committee: The board has decided to form a Nominating Committee. Volunteers are needed. The term limits of two board members will be expiring next year.
12. Professional Development Committee: Tony Coviello stated the November 7 Business Meeting will be a joint membership meeting with SEAM. It will be held at the Sheraton Harborside, in Portsmouth. The topic is pre-qualified moment connections. There will be a tour of the ??? Novel Iron Works prior to the meeting.
13. Rich Porter, PE, introduced the speakers:

Technical Presentation: *Robert F Tinning, P.E., Project Manager, Terra Drilling Company, Inc. "General Overview of Earth Support Systems, Drilled Mini-Piles, Grouting, and Underpinning"*

The following excerpts are taken directly from Robert Tinning's Power Point Presentation which he kindly distributed prior to the lecture.

"2-Minute Drill" of Drilling: (General Drilling Procedures)

Similar methods are used to install soil nails, tiebacks, and drilled mini-piles. Temporary casing is often used, although permanent casing is sometimes specified. "Open hole" drilling is almost always used in rock; sometimes in clay. The cuttings are removed with air or water during the drilling process. There are two methods to remove cuttings. The first method is the exter-

nal flush. Water is pumped through the drill head, forcing the cuttings around the outside of the drill casing. The other method is the internal flush. The inner drill rod is advanced with the outer casing such that cuttings travel up the inside of the casing. After tip elevation is reached, the hole is flushed clean with air/water. Neat (sand) cement grout is then placed via "tremie", displacing the water and excess cuttings in the drill hole. Core steel is placed through the grout. The casing is extracted as required.

Earth Support Systems ("ESS")

An "ESS" provides vertical support

and stability for an excavation. It is also referred to as Support of Excavation ("SOE"). It is required when "open cut" excavations cannot be performed. Often it requires lateral support (generally where excavation depth exceeds 15 feet). When lateral support is required, "SOE" consists of two main parts. The vertical component involves driven steel sheeting; driven or pre-drilled piles and lagging, and "shotcrete" facing. The horizontal component involves either internal or external support. Examples of internal support are struts, rakers, and corner braces. Examples of exterior support are soil nails and tiebacks (soil or rock anchors).

Soil Nailing Systems ("SNS")

Soil nailing is an alternative to conventional "ESS" or "SOEs". A SNS is utilized to support top-down excavation methods in certain soil conditions. It is most effective in dense, well-graded soils and/or rock. It is often less expensive than laterally-supported SPs / sheeting. It is generally designed as a passive system. Constructability is influenced by GWT, soil type, and weather. SNS can be designed to provide temporary or permanent support. It also can accommodate different facing types, including, cast-in place concrete, pre-cast concrete panels, architectural finish ("Boulderscape") and rough "shotcrete" (gun, float finish). SNS typical materials include: "shotcrete" facing (3,000 to 4,000 psi), welded-wire fabric (WWF), and soil nail bars (SCP, DCP, or MCP). The construction sequence requires the excavation up to 5' deep (1st lift), the installation of welded wire fabric and the application of "shotcrete". The barrier and earth are drilled and the soil nails are installed with hand-tighten nuts on the bearing plates. The process repeats are required.

Tiebacks

Tiebacks are also referred to as soil anchors and/or rock anchors. They provide lateral support to a "SOE". They derive their capacity through a frictional bond between the grouted drill hole and the surrounding soil/rock. The capacity of the tiebacks can be up to 140 kips in clay (w/ post-grouting); up to 200 kips in soil and over 1,000 kips in rock! The reinforcing steel generally consists of either a single steel bar or a multi-strand tendon. Tiebacks can be designed as either temporary or permanent. They are usually designed as an active system, whereby pre-determined loads are applied to each anchor and transferred to the SOE via stressing and lock-off. Permanent anchors usually require additional corrosion protection. The single corrosion protection "SCP" bar is basically an uncoated bar/tendon installed into a grouted hole. The free stressing (unbonded) length would be sheathed and greased to facilitate stressing, testing, and

lock-off. The "DCP" (Double Corrosion Protection), a.k.a. "MCP" (Multiple Corrosion Protection) bar/tendon is fully encapsulated with slightly-oversized corrugated PVC; the annular space is then grouted (either at the factory or on site). The corrugated anchor is then installed into a grouted drill hole. Once again, the free stressing (unbonded) length would be sheathed and greased to facilitate stressing, testing, and lock-off. Tieback materials typically consist of anchor tendon (bar or strand), corrosion protection (SCP, DCP, or MCP), neat cement grout (4,000 to 5,000 psi) and anchor hardware. Anchor hardware is composed of bearing plate (used with both bar and strand), stressing head (used with strand) and lock nut (used with bar) / stressing wedges (used with strand).

Drilled Mini-Piles ("DMPs")

Drilled mini-piles are small-diameter, deep foundation elements that allow structural loads (usually compressive) to be transferred through unsuitable soils (e.g., fill and organic layers) into more suitable bearing strata. They may also be referred to as, drilled piles, pin piles, drilled micro-piles, bored-in piles (NYSDOT), drilled mini-caissons (NYC) and small-diameter grouted piles (MSBC). They are used in lieu of driven piles due to restricted access, close proximity to structures, limited headroom, noise / vibration concerns and presence of obstructions and/or rock. They are able to achieve high capacities (100+ tons in soil, 300+ tons in rock). Drilled mini-piles materials typically consist of neat cement grout (4,000 to 5,000 psi), inner core steel (bar or pipe), seismic sleeve reinforcement (MSBC) and a permanent casing. Casings are made of steel, or PVC (not preferred). Permanent casings provide for increased capacity, lateral loads, and a bond breaker. The structural connection to the foundation is via pile embedment, dowels, plates/nuts, etc.

Grouting

Generally speaking, grouting is used to improve existing soil conditions and/or fill voids. Typically grouting follows a pre-determined spacing of primary, secondary, and tertiary holes. Staged grouting can be performed using packers or high pressure pumps. Some grouting applications include, consolidation

grouting (filling voids), compaction grouting (improving the density / bearing capacity of loose and/or liquefiable soils), and pressure grouting (groundwater cutoff). Important parameters to monitor during grout placement are anticipated vs. actual grout takes, anticipated vs. actual grout pressures, grout flow into adjacent drill holes and heaves of nearby structures. Grouting materials typically consist of neat cement (sand cement) and optional admixtures. Slump and strength depend upon design requirements. Accessories required for placement include hoses, grout pipes and fittings, pressure gauges and optional packets. General construction sequence is by installing one or more grout pipes along the primary pattern. The grout is placed in accordance with design parameters, in conjunction with pipe removal. All primary holes are grouted first. The process is repeated for secondary (and tertiary) holes.

Underpinning

Underpinning is a method of extending existing foundations to a lower elevation. It is required when new construction would otherwise undermine existing structures. It is used also to arrest settlement. It may require lateral support (rare!). Typical materials for underpinning consist of concrete (3,000 to 4,000 psi), timber lagging and drypack (low-slump grout). Sometimes pit reinforcement and/or dowels may be required. General construction sequence involves hand-excavated pits which are installed along an existing foundation. Alternating pit sequence is followed to avoid undermining the existing structure. Pits are supported by timber lagging. After the concrete placement, "drypack" is placed into the void between the concrete and structure above. The forms are stripped away from the concrete. Pit installation continues until all pits are formed and poured.

2.0 PDHs for the technical presentation were earned by attendees.

Respectfully submitted by Robert S. Busby, P.E., Secretary, SENH

Attendance List

Overview of Soil Retention and Improvement Techniques (2 PDH's Assigned) Puritan Backroom, Manchester, NH September 26, 2007

Name	Organization	Name	Organization
Dana Michael Adams, P.E.	Opechee Construction Corp.	Jeffrey T. Klein	Vanasse Hangen Brustlin, Inc.
Marc Andrews	Maine Drilling and Blasting	Neil Kollios	PB Americas, Inc.
Alex Azodi, P.E., SECB	Omega Structural Engineers	Dave Konieczny, P.E., SECB	Pyramid Engineering, P.C.
Roderick D. Bard, P.E.	Stahlman Group, Inc.	Dennis R LaBombard, P.E., SECB	LaBombard Engineering, LLC
Shannon Beaumont	CLD, Inc.	Matthew J. LaBrecque, P.E.	Pro Con, Inc.
H. Edmond Bergeron, P.E., SECB	HE Bergeron Engineers	Stephen R. Langevin, P.E.	Maguire Group, Inc.
Jeff Bjrz	Nobis Engineering, Inc.	Laurent Levesque, P.E.	J.G.E. Enterprises
Jason Blais, P.E.	Opechee Construction Corp.	Charles Levine	
David Boehm	Engineering Ventures, Inc	Johnathan M. Longchamp, P.E.	Daigle Engineers, Inc.
Jay H. Brown, P.E.	Structural Systems, Inc.	Matthew J. Low, P.E., SECB	Hoyle, Tanner & Assoc., Inc.
Timothy Bryant	Vanasse Hangen Brustlin, Inc.	David A. Macolini, P.E.	Fiorentino Group Architects
Robert S. Busby, P.E.	Kalwall Corporation	Gerald Maher	
John Byatt, P.E.	CLD, Inc.	Nathan Maher, P.E.	JSN Associates, Inc.
Robert Champagne, P.E., SECB	HTA/Kimball Chase	Richard Martin	WR Grace & Co.
Jeffrey P. Cicerello, P.E.	Louis Berger Group	John Maynard, P.E.	Maguire Group, Inc.
David Clark	Maine Drilling and Blasting	Gary McAllister	GZA GeoEnvironmental, Inc.
Thomas Cleary	NHDOT	Todd Menees	Engineering Ventures, Inc
Normand G. Cote, P.E., SECB	NGC Structural, LLC	Chad B. Michaud, P.E.	S.W. Cole Engineering, Inc.
Cheryl W. Coviello, P.E.	Appledore Marine Engineering, Inc.	Kenneth W. Milender	Miller Engineering & Testing, Inc.
Tony Coviello, P.E.	Coviello Engineering	Michael Mozer	Parsons
Christopher R.M. Daigle	Louis Berger Group	Jeffrey S. Nawrocki, P.E.	JSN Associates, Inc.
Edward F. Decelle	Structural Systems, Inc.	Ellen Noblet	Noblet Consulting, LLC
John DiGenova	Haley & Aldrich Inc	Rick Noblet, P.E.	Noblet Consulting, LLC
G. Keith Donington, P.E.	Parsons , Brinckerhoff, Quade & Douglas, Inc.	Anant Panwalkar	Nobis Engineering, Inc.
Steve Druschel	Nobis Engineering, Inc.	John T. Poisson, II	Hoyle, Tanner & Assoc., Inc.
Nathan Dumas	S.W. Cole Engineering, Inc.	Rich Porter	
Robert H. Durfee, P.E., SECB	Dubois & King, Inc.	Ken Rhodes	CLD, Inc.
George Fallet, M.S., P.E.	Consulting Engineer, Inc.	Stephen Richard	Steffensen Engineering Assoc., Inc.
Marc Fradette		Dorothy Richter	Hager - Richter Geoscience, Inc.
Lauren Gardner	Vanasse Hangen Brustlin, Inc.	Richard E. Roberts, P.E.	Foley Buhl Roberts & Associates, Inc.
Jeffrey L. Garnett	MJS Engineering, P.C.	Mike Rogerson	AutoDesk, Inc.
Dan L. Gelinias, P.E., SECB	Gelinias Strucutral Engineering, LLC	Arthur W. Rose, P.E.	Arthur W. Rose, P.E., PLLC
Derek J. Gilbert, P.E.	Microdesk	Kyle Roy, P.E.	TFMoran, Inc.
Charles "Tut" Gillen, P.E.	Steel Elements Inc.	Hossein Salehkhrou, P.E.	JSN Associates, Inc.
Paul Goldberg, P.E.	Pro Con, Inc.	Paul Sbacchi, P.E.	TFMoran, Inc.
Martin Gorham, P.E.	JSN Associates, Inc.	Dave Scarpatto	Haley & Aldrich Inc
Nick Goulas	Louis Berger Group	John Scott	
Marc Grenier	R.W. Gillespie & Associates	Michael J. Sievert, P.E.	MJS Engineering, P.C.
Sally Gunn	Vanasse Hangen Brustlin, Inc.	Trevor Stanley	Parsons
Scott Harmon	S.W. Cole Engineering, Inc.	Peter Steffensen, P.E.	Steffensen Engineering Assoc., Inc.
Jaime Harned	CLD, Inc.	Douglas Stewart	H. L. Turner Group
Tim Hodgdon	University of New Hampshire	Jeffrey L. Tirey, P.E., SECB	Tirey & Associates, P.C.
Steven M. Hodgdon, P.E.	Vanasse Hangen Brustlin, Inc.	Bob Tinning	Terra Drilling
Sean James, P.E., SECB	Hoyle, Tanner & Assoc., Inc.	Brian Vincent	Nobis Engineering, Inc.
James Karmozyn, P.E.	H.E. Bergeron Engineering	Tanya West	AutoDesk, Inc.
Bill Keating	City of Nashua	Stephen Wolf	Contech Construction Products, Inc.
Roger Keilig, P.E.	HTE Northeast, Inc.	Erin Wood	Haley & Aldrich Inc
Paul Kirby			

Additional Meetings & Conferences

October 25, 2007 held in Portland, ME & November 6, 2007 in Boston, MA: “2005 Seismic Provisions and Seismic Design Manual” AISC full day Seminar - see [link for more info](#)

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November 1, 2007: “UNH/BIA Business, Engineering and Technology Career & Internship Fair” from 11am-3pm. See the [University Advising and Career Center web site](#) for more information.

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November 1 & 2, 2007: UMass Annual Wood Structures Symposium UMass Campus Center Amherst, Massachusetts [Visit Symposium Website](#), [Register Online Now](#)

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November 7, 2007: SENH meeting in Portsmouth at Sheraton Harborside. We are going to have a speaker from AISC on “**Prequalified Moment Connections for Intermediate and Special Braced Frames**”. He will touch on R=3 systems. This will be a joint meeting with SEAM.

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UNH Professional Development & Training Fall 07 seminars for Engineers follow the following links:

Fall07 workshops main page: <http://www.learn.unh.edu/pcw/index.php>

Engineering Management: <http://www.learn.unh.edu/pcw/pd/sched.php/95>

Surveying : <http://www.learn.unh.edu/pcw/pd/sched.php/50>

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December 6, 2007: Emerging System of Building Information Modeling (BIM). (Please note this meeting was originally scheduled for October 31, 2007 and has been rescheduled) SFNE (www.ssfne.org) invites you to attend an December 6th Membership Meeting from 3-7:30 at the Highlander Conference Center in

Manchester, NH. The event will provide networking opportunities and the President of Tocci Building Corporation will talk about how his company uses BIM. A BIM enabled fabricator will share his experiences with BIM as well. Members-\$40 · Non Members-\$60 Contact: cflaherty@ssfne.org

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November 13-15, 2007 at the Seaport World Trade Center in Boston, MA: “Build Boston” See www.buildboston.com for more information.



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