



American Society of Civil Engineers

North Carolina Section

January 2008

Northern Branch News



The News

Volume XI, Number 5

Meeting Info

Program:

**Flumes and Field Testing:
Performance Results for the
Erosion EEL, presented by
Mr. Ralph Henry,**

Date:

**Wednesday,
January 23, 2008,
Kernersville, NC**

UPCOMING

*Carolinas Conference at
NC A&T State University,
March, 2008, Greensboro, NC*

Presidents Message

Happy New Year, 2008!

Speaking of 2008, one very important event of 2008 is the Carolinas Conference. This year the event will be hosted by our very own local university, North Carolina A&T. This is a competition between civil engineering universities in the surrounding area. Just to name a few.....NC State University, UNC-Charlotte, NC A&T, Clemson University, The Citadel, The University of South Carolina, and Georgia Tech. The two big events that will go on to compete at a national level are steel bridge and concrete canoe. This is a great opportunity for our members to get involved in helping out the students and local community. As a branch we are going to sponsor an event; focusing on a single event should be very exciting and rewarding for the volunteers of the northern branch. More information will follow on the type of event we will sponsor very soon. If you are interested in helping in any way, please do not hesitate to contact Nathan Huynh, the Northern Branch Vice President. It will not take too much of your time to help out. Let's all support Carolinas Conference!

We have an informative meeting planned for January and hope to see each of you there. The presenter will be Ralph Henry, the Director of Marketing and Sales at American Erosion Control, LLC. Mr. Henry will discuss the effectiveness of the Erosion EEL for complete control in all phases of erosion. The Erosion EEL is considered a best management practice (BMP) and is described as a three-dimensional filter-sediment retention roll/tube made of a woven polypropylene geotextile exterior fabric, 9.5 inch diameter. The EEL is in the process of being approved by NCDOT for use on all DOT projects for all phases of erosion control the status of many current and planned major transportation projects in Greensboro and the Region. This presentation will also briefly review the status of various local, regional, and statewide transportation initiatives that could have a dramatic impact on future transportation options, policy, and funding. Please remember that we, as ASCE Northern Branch Officers, are here to serve our members! Please let us know what you think about meetings, topics, location, etc. We would love to hear from each of you.

National Engineers Week-February 17-23

National Engineers week, also known as E-Week, is just a month away. E-Week is a national celebration of engineering excellence and is celebrated at the time of George Washington's Birthday. This is our chance, as engineers, to reach out to the young community and let them know that engineering is an exciting, fun and rewarding career choice. E-Week for 2008 is scheduled for February 17-23. The ASCE North Carolina Section has offered to help each branch by funding the event, but the key is....you need to volunteer!

For any of you who have participated in E-Week in the past you know how rewarding it is to see the children learn about engineering and for those who have not participated in E-Week before...there is not a better year to start! ASCE will provide you with everything you need, all you have to do is show up and discuss engineering; who knows this could help children stay in school and/or focus their energy on math and science and more importantly engineering!

Volunteers can be individuals or groups of people. If you have a child in school and would like to volunteer to work with their class, please contact me. Remember that even though the program is intended to focus on middle school age students, we would still want volunteers for younger and older students.

Engineer's week continued on page 2.

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= \$4,363.15 (1/09/2008)

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Civil and Environmental Engineering Dept. (336) 334-7737
Faculty Student Advisor: Dr. Nathan Huynh. nnhuynh@ncat.edu

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The Chapter's Web page is www.angelfire.com/nc2/asce

Engineer's week continued from page 1

More information on E-Week will be announced at the January meeting. If you would like more information on how to participate in E-Week please go to the following link: http://sections.asce.org/n_carolina/eWeek.html and contact me, your Northern Branch E-Week coordinator. You can email me at Jessica.Montgomery@stantec.com or call my direct line at 336-499-3865.

Last Month's Meeting -

Held December 12, 2008 at Fire Mountain Buffet, Kernersville, NC. The December meeting was presented by Jim Westmoreland, PE. Jim is the director of the Greensboro Department of Transportation. He holds a Bachelor of Science in Civil Engineering from NC State University. Since graduating from NC State, he worked as a transportation analyst at Kimley-Horn and Associates and then held various positions with the North Carolina DOT and Greensboro DOT. The presentation focused on where The City of Greensboro and Regional Transportation have been and the vision for where it will be going in the future. Twelve different organizations were present at the December Meeting.

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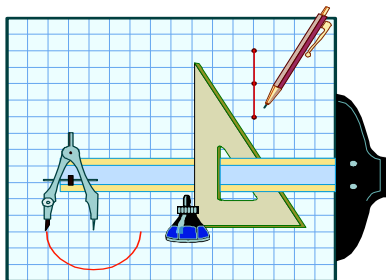


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11/13/07

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How does conducting an M&M® quality control line, building and crushing (a.k.a. “load testing”) gumdrop domes, polishing pennies, or making peanut butter and jelly sandwiches sound for a few hours? These are a few activities that fellow ASCE members did last year during E-Week with our youngest engineers. Attend our next ASCE branch meeting and learn how you can get involved with these fun activities, help encourage our youth in pursuing engineering careers, and feel like a king or queen while doing it. Supplies will be provided while they last to help everyone’s efforts during E-week (Feb. 17-23, 2008). If you can not attend this ASCE meeting, feel free to contact Jessica Montgomery at 336-499-3865 or Jessica.montgomery@stantec.com.



Ms. Flower’s 2nd grade class with Jason Philbin (ASCE Southern Branch E-week coordinator)



First grader, Houston, experiences the excitement of his first “Load Test” on his Gum Drop Dome.

WELCOME SPONSOR'S FOR 2007-2008!

We want to welcome all our renewing sponsors and NEW sponsors for the 2007-2008 year. The sponsorship puts your business in view to many local and statewide readers. Local engineers and others who read our Newsletter learn about the services your firm offers and how you can be contacted. Our newsletter also prints articles from time to time about each sponsor's firm or project they are working on, have worked on and are willing to share. We will be glad to place an article in one of the next issues if any of the sponsor's would like to submit something. We can easily print it in the newsletter if you will send it in word format and if you have a picture of a project you are highlighting, please send that also in *.jpg format. Make the article about one full page for the newsletter. We would love to hear from/ about you.

COMMENTARY ANYONE (New Year's Resolutions)?

Discussions around the water hole: One discussion came up the other day, sure most of you have heard it, where we have been affected by what our team members or those we may work with either do or fail to do. It may or may not be intentional, but this saying (unknown author) was mentioned and probably many of you have heard it before, but it is worthy of repeating here: ***Failure to plan on your part, does not constitute an emergency on my part.*** In dealing and working with others, many of us have to be good forgivers at times, and other times we have to realize those who procrastinate and fail to follow through on their part, puts an untold burden on those their team members. Often such a situation is managed by someone who not only cares for their own responsibility, but also handles in addition what may be another's obligation, often at the deadline, which can increase friction and apprehension. Those individuals are to be highly commended.

We hope none of you fall in the category of procrastination or failing to plan, but if you recognize that you may, why not make a New Year's resolution to improve, and follow through on the resolution? Wow, what a difference it could make. What are some New Year's resolutions you as engineers may have made for the new year? Some want to eat more healthy, shed a few pounds, save more money, take a great vacation, etc. Let us know what some of you plan to do better this year? We will list them in the newsletter. I imagine you all have some very good ones. *Editor's comments*

2008 NORTHERN BRANCH SCHOLARSHIP ANNOUNCEMENT

Thanks to all the members attendance and sponsors for the newsletter, we again have sufficient funds to provide (3)-\$750 scholarships to three (3) Civil Engineering students this year. The topic for this year is "**How can civil engineers better communicate to the public and the media the urgency and importance of caring for the nation's overburdened infrastructure (i.e. bridges, dams, drinking water and sewer systems) ?**" and scholarships will be awarded during the April ASCE meeting. Students have written very good essays in previous years and we look forward to seeing this years entries.



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Northern Branch ASCE MEETING in Kernersville

DATE: Wednesday, January 23, 2008

TIME: 12:00 PM – 1:00 PM Lunch Meeting
 (Please arrive between 11:30 and 11:45am to register)
 Do not pay upfront. Find the meeting room and pay ASCE.

LOCATION: Fire Mountain Buffet
 1180 S. Main Street
 Kernersville, NC

COST: Members: \$15
 Guests: \$20
 Students: \$5

PROGRAM: Flumes and Field Testing: Performance Results for the
 Erosion EEL- 1 PDH

This presentation discusses the effectiveness of the Erosion EEL for complete control in all phases of erosion. The product is manufactured by Friendly Environment in Shelbyville, TN. The testing was preformed by Civil & Environmental Consulting, Inc. of Nashville, TN. All of the testing was done in their lab and the field testing was done at their site in Franklin, TN. The Erosion EEL is a three-dimensional filter-sediment retention roll/tube made of a woven polypropylene geotextile exterior fabric, 9.5 inch diameter. The internal fill material is a mixture of washed shredded rubber tires (metal removed) and AASHTO-specified hardwood mulch. We currently have two products that we are marketing. One is filled with the material described above and one is filled with just the rubber. The EEL comes in two lengths of 10 ft. and 4.5 ft. The EEL can be used for perimeter control, check dams, temporary diversion berms, drain and inlet protection. The EEL does not require any staking or trenching unless the application is on a slope of 8% or greater or in a heavy concentrated flow area. This is due to the fact that the EEL weights 10 lbs per foot.

The Erosion EEL has a life span of 3-4 years depending on application and is reusable within a project and can be moved to other project sites. At the end of the life cycle, the geotextile material is recyclable for use in automobile plastics. The EEL is in the process of being approved by NCDOT for use on all DOT projects for all phases of erosion control

SPEAKER'S BACKGROUND:

Mr. Ralph Henry has been in the construction industry for 35 years. He is currently the Director of Marketing and Sales at American Erosion Control, LLC. Prior to entering into this venture, he was Vice President of Construction for a major commercial developer for 25 years and was responsible for the construction of over 17,000,000 square feet of retail developments in 17 states.

DIRECTIONS: From Greensboro: Take the I-40-BR exit (EXIT 206) toward US-421 N / KERNERSVILLE / WINSTON-SALEM DOWNTOWN. Merge onto I-40 BR W / US-421 N. Take the S MAIN ST exit (EXIT 14). Turn LEFT onto S MAIN ST / NC-150. Continue to follow S MAIN ST. End at 1180 S Main St, Kernersville, NC 27284-7480.

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