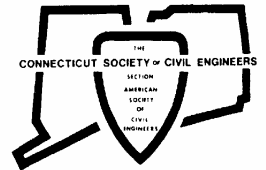


Since 1884

CSCE Newsletter

Connecticut Society of Civil Engineers
American Society of Civil Engineers **October 2003 Edition**



Since 1884

CSCE MONTHLY DINNER MEETING – OCTOBER 2003

- Date:** Tuesday, October 21, 2003
- Sponsors:** CSCE Construction Technical Group; CCSU ASCE Student Club
- Speaker:** D. W. Jacobs, P.E. – Senior Construction Engineer, MTA Metro-North Railroad Company
- Topic:** **New Haven Railroad Interlocking Reconfiguration and Reconstruction**
Three passenger railroads serve New Haven, Connecticut: Metro-North Commuter Railroad, Amtrak's Northeast Corridor and the Connecticut Department of Transportation's Shore Line East commuter service. In addition, the CSX Railroad provides freight service. The interlockings serving the station and its approaches were designed in the late teens. The nature and characteristics of rail service then, both freight and passenger, were entirely different from today's. In the early 1990s Amtrak approached the Connecticut Department of Transportation and Metro-North Railroad with the intent of a complete redesign and reconstruction of the entire New Haven complex. This project, which was completed in the fall of 2001 and required seven years of continuous work, took place while maintaining normal service on all railroads.

Construction Field Trip – See Section Notes for Information

- Location:** Central Connecticut State University, Memorial Hall,
Wells St., New Britain, CT
- Time:** 5:30 – 6:30 PM Social Hour
6:30 – 7:30 PM Dinner
7:30 PM Program
- Cost:** Members: \$30.00 Full Time Students: \$10.00
Life Members: \$25.00 (Please make checks payable to CSCE.)
- Dinner:** Choice of Chicken Tuscany, Beef Strip Loin, Grilled Vegetable Medley
- Reservations:** Reservations are required. Please contact is Shannon Horton at Haley and Aldrich at Phone: 860-282-9400 FAX: 860-282-9500 or Email: sam@haleyaldrich.com by noon, Friday, October 17, 2003. Please include your name, affiliation, dinner choice and phone, fax or e-mail.

Directions:

From I-84 EB &WB: Take Exit 39A to Route 9 South. Take Exit 29 Ella Grasso Blvd., turn right and follow road into CCSU Campus.

From I-91 Northbound: Take Exit 22A to Route 9 North. Take Exit 29 (Cedar Street, Route 175), turn left onto Cedar Street. At second light, turn right onto Paul Manafort Drive. Follow road into CCSU Campus.

There is a garage on both the north and south perimeter roads.

PRESIDENTS MESSAGE

First of all, thanks to all who attended the September Dinner Meeting, The Deep Foundations Institute Seminar, and the CCIA Construction Career Day at Mountainside Resort. Secondly an important event recently occurred that I would like to report on.

On Friday September 19, 2003, Tom Roy, Vice President, and I took a road trip to Manchester NH, not to view the foliage as much as to attend the ASCE New England Council bi-annual meeting. Among other things, delegates from all the New England states shared with each other their Section and Branch reports. It was quite interesting to see both the similarities we have as Civil Engineers, as well as the vast range of local issues we deal with.

The Vermont Section was very eager to relate how well the April Dinner Meeting topic was received, "Muddy Roads, A Summary of a Two Year Research Project." It turns out 80% of their traveled roads are not paved, so this situation is one that effects the local motorists greatly. In Rhode Island, it seemed the recent highlight was the success of the wine raffle held at the September Dinner Meeting, the topic of which was not mentioned. They provide scholarships with all their raffle profits; and now one of their objectives is to increase their \$500 scholarship award and be as fair as possible to the students. Up in Maine, the Section participates in an annual Architects/Engineers Charity Golf Tournament, at which over \$10,000 was raised! The top three teams choose the local charities that benefit from this awesome event.

The New Hampshire Section organizes two PE Refresher Courses a year that are very well attended. In addition they are quite concerned about their Upper Valley Branch status. It seems there has been a lack of activity up there, and it is envisioned that if they created a new branch that encompassed part of Vermont, there would be better attendance at meetings, especially before hunting season. And in the largest Section of New England, Boston engineers are trying to figure out how to consolidate and streamline their numerous Committees and Technical Groups to be more efficient at their many functions. Initiating Continuing Education Seminars, Outreach Programs, publication of a Technical Journal, as well as organizing Legislative Events, Site Tours and a 600-ticket purchase for Red Sox versus Yankees games are just some of their duties.

When it came time to discuss the Connecticut Section and Fairfield County Branch programs, we sounded pretty darn good. We hold a large number of Dinner Meetings, covering a broad range of topics, with good attendance. We are fortunate in the fact we have six schools with Student Chapters and Clubs that are active, and that we can afford to award \$1,000 Scholarships, Awards and other assistance to these deserving recipients. We are successfully involved in the Legislative arena, for example assisting with passage of 'An Act for Good Samaritan Immunity for Professional Engineers.' Our Committees and Technical Groups are alive and well providing Continuing Education Seminars, Dinner Meetings and Outreach Programs. In fact our involvement in the CPTV Science Expo sparked much interest, and envy, from the group as we told of how we reached over 20,000 students, teachers and parents in a single four-day period.

From the above summary, you can see the NE Sections and Branches all share common goals of advancing the profession and improving our local communities in unique ways. So even though it's natural to feel we could do more, we deserve credit for all our accomplishments so far.

Sincerely,

Vincent A. Siefert, P.E.

President



Mark Your Calendars.....

2003

- October 7 Morning Seminar
Fallingwater Reconstruction – Rehabilitation of Cantilevered Balconies
CSCE Structures Technical Group and The Di Salvo Ericson Group
- October 21 Section Meeting – CCSU
Construction Technical Group
Site tour prior to meeting
- November 11 Section Meeting – University of Hartford
Geotechnical Technical Group
- November 13-15 ASCE Annual Convention
Nashville, Tennessee
- November 18 Fairfield County Branch Meeting (Three Bears Restaurant)
- December 9 CSCE Board Meeting

2004

- January 20 Section Meeting – Joint Meeting with Fairfield Branch
Three Bears Restaurant
- February 24 or 25 Section Meeting – Joint Engineering Societies
February 22-28 Engineers Week
- March 16 Section Meeting – U of Connecticut
Structures Technical Group
- March 9 Fairfield County Branch Meeting (Three Bears Restaurant)
- March/April Joint STG/Geotechnical Group Seminar
- April 1-4 CPTV Science Expo
- April 13 Section Meeting – UNH
Government Engineers
- May 7th Annual Spring Golf Tournament
- May 11 Annual Section Meeting
- May 16 Fairfield County Branch Meeting (Location to be determined)

FROM THE EDITOR

If you have any information to publish that would be of interest to civil engineers, have an amazing or amusing story, or have any questions about the newsletter's format or content, please contact Christopher M. Holden, PE, Newsletter Editor at (860) 669-8651, or nl-editor@csce.com

Members can advertise for employment opportunities within Connecticut free of charge up to five lines (help wanted or seeking employment). For longer ads, rates are \$15.00 per line members, \$30.00 per line non-members. See "Advertising Rates" sheet, elsewhere in this newsletter.

CONTINUING EDUCATION

The Continuing Education Committee looks forward to hosting technical and management seminars on topics of interest to our members. We rely on feedback from fellow members and technical committee chairs as to which topics are "hot".

STORMWATER MANAGEMENT SEMINAR (POSTPONED)

A seminar hosted by CSCE will be held in the Cromwell area, at a date to be announced (likely November 2003) on Stormwater Management. (Seminar date moved back because of CTDEP suspension of municipal Phase II permit deadlines). This seminar will address the steps needed for municipalities to comply with the Phase II Stormwater Management Plan requirements as well as design guidelines for biological and structural treatment of storm water pollutants following the *DRAFT* CT Stormwater Manual. We have asked staff from CTDEP Stormwater permitting and Inland Water Resources to participate in the instruction. Look in upcoming newsletters for additional information and registration. Direct any questions or comments to Ron Nault c/o Luchs Consulting Engineers (203) 937-6819 or nault@luchs.com

Topics for future CSCE seminars include:

- Environmental: Pump Station Design or Septic System Design.
- Structural: New England Bulb Tee Applications for bridges.
- Construction Inspection: New Certifications for Hot Mix Asphalt and Concrete Construction.
- Professional Development: Public Speaking and Powerful Presentations.
- Management: Professional Liability and Contracts.

SECTION NEWS

Construction Field Trip

Prior to the meeting there will be a construction field trip of Central's new power plant and underground P/S concrete box utility tunnel. Please bring a hard hat and meet Bob Austin from DMJM and Dr. Edward Sarisley at East Hall at 3:00 pm for a walk through. Park in the east garage on Paul Manafort Drive (as usual) and the power plant and east hall are the first two buildings east of the garage. Directions and map available at the ccsu web site.

The University of Hartford's ASCE student chapter will be hosting the 2004 New England Regional Concrete Canoe Competition on April 24-25, 2004. The effort is being led by their ASCE student officers (Aaron Amara, Greg Levasseur, Angela Suarez, and Sara Zajac). As the time comes closer, they will be looking for volunteers to help judge the reports, presentations, and races.

EMPLOYMENT ADVERTISEMENTS

CONSTRUCTION ENGINEER- STRUCTURAL: *Siefert Associates, LLC* – A unique opportunity exists to take Complex Heavy and Highway Projects from Preliminary Design through Field Construction. Duties include Project Management, Project Engineering and Supervision of Draftsmen. Candidate should be familiar with AASHTO, AISC, ACI and NDS codes, and AutoCad 2000i software. Some Fieldwork is required; Project Sites are throughout CT and metropolitan NY and NJ. Previous field experience is required. This is a full time position with top pay and future advancement potential. Contact: Vincent A. Siefert, Siefert Associates, LLC, 180 Church Street, Naugatuck, CT 06770, vsiefert@snet.net or fax 203-723-9346

CIVIL/ENVIRONMENTAL ENGINEERS: *Haestad Methods* Positions are currently available throughout our company! If you have a civil or environmental engineering background, hydraulics and hydrology expertise, and you want to work in a challenging and dynamic environment, Haestad Methods is the place for you. Take a look at our current opportunities at www.haestad.com/careers or send your resume today to JoinTheTeam-ce@haestad.com for immediate consideration.

STRUCTURAL ENGINEER: Seeking self-motivated individual for a small Construction Engineering Firm in the Waterbury vicinity. Involved with the Heavy and Highway Design and Construction Industry. Candidate needs to be familiar with AASHTO, AISC, ACI and NDS codes, proficient with AutoCad 2000i, and be willing to assist with all aspects of the projects. Sites are throughout CT and metropolitan NY and NJ. Previous field construction experience is required. Full time employment, with great benefits and top pay, will be available for the right individual. Contact: Employment c/o Treasurer, PO Box 772, Naugatuck, CT 06770 or fax 203-723-9346

STRUCTURAL ENGINEER: *Rongoe Engineers*, a growing structural engineering firm involved with commercial, industrial and retail projects, has an opening for a structural engineer. Experience in design of building structures. Competitive salary and benefits. Submit resume to: Rongoe Engineers, 1003 Boston Post Road, Darien, CT 06820. Fax: 203-655-4439.

GEOTECHNICAL/CIVIL ENGINEER: *GeoDesign, Inc.*, a growing geotechnical and environmental engineering consulting firm, has opportunities at all levels: entry to senior level geotechnical/civil engineers. Competitive salary and benefits. Contact Ted Von Roseninge, P.E. (203)-758-8836 ext. 1, by Fax: (203)-758-8842 or by email: t.vonrose@geodesign.net.

GEOTECHNICAL ENGINEERS: *Heller and Johnsen* is looking to hire geotechnical engineers, or students with an interest in geotechnical engineering. Our projects are primarily for private owners or contractors. The successful candidate will be on a career track toward obtaining a PE license and have a keen interest in learning. Depending on interest and abilities, duties may include field monitoring of geotechnical construction, laboratory testing, CADD drafting, shoring and foundation design, grouting and soil improvement, investigative reports, dynamic pile testing, and geotechnical instrumentation. Benefits include Simple IRA, health plan and flex time. Contact Larry Johnsen, Heller and Johnsen, Foot of Broad Street, Stratford, Connecticut 06615, Tel: 203-380-8188, e-mail HJ30115@AOL.COM.

CIVIL ENGINEER: *Pereira Engineering, LLC* is a Civil/Environmental Engineering firm located in Shelton, CT. We are currently seeking a Civil Engineer that will be responsible for the design and preparation of contract documents for various types of projects. The qualified candidate should have a B.S. in Civil or Environmental Engineering with 2-5 years design experience in site development projects including experience with stormwater management, hydraulics, and hydrology. Candidate must also be proficient with AutoCAD as well as commonly used drainage design and analysis software. This is a GREAT opportunity with plenty of room for growth. Competitive salaries based on experience.

ENTRY-LEVEL CIVIL ENGINEER: *Pereira Engineering, LLC* is a Civil/Environmental Engineering firm located in Shelton, CT. We are currently seeking an Entry Level Engineer that will be responsible for assisting in the design and preparation of contract documents for various types of projects. The qualified candidate should have a B.S. in Civil or Environmental Engineering with 0-2 years experience in general civil engineering projects. AutoCAD experience a must! This is a GREAT opportunity to gain valuable experience in all phases of design and construction!

CIVIL ENGINEER: *Curtis Jones & Associates* CAREER OPPORTUNITY. BUILD YOUR FUTURE WITH CURTIS JONES & ASSOCIATES. We will groom you to become a project manager capable of managing land development projects from start to finish. Learn and grow with us as we expand our commercial, residential and industrial land development markets. BSCE, 0-5 yrs experience, AutoCAD, LDD helpfull. Call Sue at (203) 266 0778.

ENGINEERS (Project Engineers, Project Managers and Inspectors): *Cardinal Engineering, Associates* a civil engineering firm has immediate openings for licensed engineers and inspectors with 5-10 years minimum experience in Municipal and DOT Projects – roadway design, water/wastewater, storm drainage, etc. Reply to Cardinal Engineering Associates, Inc., 99 Colony Street, Meriden, Connecticut 06451.

CSCE Newsletter

ADVERTISING RATES

<u>Options</u>	<u>Prices</u>
A. Business Card Member (red. to appr. 1½"X25/8")	\$350 min 6 issues
Business Card Non-Member	\$700 min 6 issues
	\$65 per issues
B. One-Quarter Page	\$850 min 6 issue
	\$200 per issue
C. One half 8-1/2 x 11 in. Advertisement	\$350 per issue
D. One full 8-1/2 x 11 in. Advertisement	\$600 per issue
E. Employment Classified Ad: Member	\$15 per line per issue
F. Employment Classified Ad: Non-Member	\$30 per line per issue

Employment Classified Ads of five (5) lines or less (subject to editing) for positions are published free of charge as a professional courtesy to our membership. Font Size: 11pt

We anticipate publishing at least six issues per year. Our newsletter is mailed to approximately 1600 member civil engineers.

If you would like to advertise in our Newsletter, please complete the form below and mail with your check made payable to "CSCE" to Christopher M. Holden, PE , Newsletter Editor, 146 East Main Street, Clinton, CT 06413 Thank you.

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ADVERTISEMENT OPTION

- | | |
|--|---|
| <input type="checkbox"/> Business Card | <input type="checkbox"/> Member Employment
_____ Lines X \$15 = \$_____ |
| <input type="checkbox"/> One-Quarter Page | <input type="checkbox"/> Non-Member Employment
_____ Lines X \$30 = \$_____ |
| <input type="checkbox"/> One Half Page [(8-1/2 x 11)/2] | Please make checks payable to CSCE. Also include a minimum of four business cards or copy of your proposed advertisement. |
| <input type="checkbox"/> One Full Page (8-1/2 X 11) | |

DURATION

- Full Year of Newsletters = \$_____
 _____ Issues @ \$_____ = \$_____

Name: _____

Business: _____

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Return Services Requested:

Christopher M. Holden, P.E., Newsletter Editor
146 East Main St., Clinton, CT 06413

Send other section correspondence to:

James Silva, PE, Secretary
322 Main Street, Bldg 1, 2nd Fl
Willimantic, CT 06226

President

Vincent A. Siefert, P.E.
Ph: (203)-723-1477 Fax: (203)-7723-9346

President-Elect

William J. Cunningham, P.E.
Ph: (203)-235-3351 Fax: (203)-237-4260

Vice-President

Thomas Roy, P.E.
Ph: (860)-278-7850 x3432 Fax: (860)-525-5013

Treasurer

Charles S. Sawyer, Ph.D., P.E.
Ph: (203)-239-2793, Fax: (203)-239-7438

Secretary

James Silva, PE
Ph: (860)-423-4506, Fax: (860)-313-8562
Email: secretary@csce.org

Director

Thomas Nolan, P.E.
Ph: (860)-290-3123, Fax: (860)-282-9500

Director

Randy States, P.E.
Ph: (203)-758-8836 x1111, Fax: (203)-758-8842

Newsletter Editor

Christopher M. Holden, PE,
Ph: (860)-669-8651, Fax: (860)-664-3751