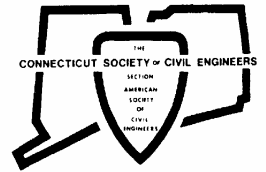


Since 1884

CSCE Newsletter

Connecticut Society of Civil Engineers
American Society of Civil Engineers **February 2004 Edition**



Since 1884

2004 CONNECTICUT ENGINEERS WEEK JOINT MEETING

Date: Tuesday, February 24, 2004

Sponsors: ACEC, CSCE, CSPE, IEEE, ITE, AFE and WTS

Speaker: **Professor Stewart Gillmor, Wesleyan University**

Topic: **Frederick Terman – A founder of Silicone Valley**
Professor Gillmor will preview his upcoming book on the life of Frederick Terman (1900-1982). Frederick Terman, the son of Lewis Terman, the creator of the IQ test, taught electrical engineering at Stanford University. During his tenure he moved from professor to dean to provost to acting president.

Location: Hawthorne Inn
2421 Wilbur Cross Highway, Berlin, CT

Schedule: 3:00 – 4:50 PM **Status Report on Connecticut's Engineering Schools**
5:00 – 6:30 PM Cash Bar and Displays
6:30 – 8:00 PM Dinner
8:00 – 9:00 PM Keynote Address

Cost: Members: Meeting and Dinner \$40.00
Meeting Only \$20.00

Full Time Students: \$15.00
(Please make checks payable to CSPE)

Dinner: Prime Rib, Baked Scrod, or Vegetarian Lasagna

Reservations: Make check payable to **CSPE**, 2600 Dixwell Avenue,
Hamden, CT 06514, Phone (203) 281-4322, Fax (203) 248-8932.

Directions: Wilbur Cross Parkway, Route 15, Exit 66.

PRESIDENTS MESSAGE

Now that the much anticipated Super Bowl game (and commercials) are behind us, I would like to urge everyone to pay attention to, and participate in, another very worthwhile cause, Reauthorization of the Federal Transportation Funding Legislation.

First of all, a sincere thank you to all who recently attended the Transportation Luncheon (on very short notice) held on January 12, 2004 in Meriden. The Connecticut Construction Industries Association (CCIA) spearheaded the event, and asked Engineering Organizations as well as Labor Unions and to co-sponsor it. We eagerly accepted the chance to collaborate and utilized our mass email notification system to distribute the invitations.

There were at least 200 people in attendance including our US Congress Representatives, Rosa DeLauro, Rob Simmons, Christopher Shays and Nancy Johnson. They were all quite impressed at the coalition that was assembled, pledged their bi-partisan support of Equitable Transportation Funding for Connecticut, and urged all of us to take an active role in persuading our Senators, Joe Lieberman and Chris Dodd to do the same.

You should be well aware that the successor bill to Transportation Equity Act for the 21st Century, TEA-21 is currently being debated in Washington, DC. TEA-21 was enacted in 1998 authorizing \$218 billion over six years for the nation's surface transportation systems. While the Transportation and Infrastructure Committee of the House of Representatives has introduced a six-year bill to reauthorize TEA-21, similar legislation introduced in the Senate falls short of the needs of our nation's surface transportation systems. In addition, the disbursement formula is subject to revision and Connecticut would be one of the states to incur a loss with this provision. The House legislation, titled "The Transportation Equity Act: A Legacy for Users (TEA LU)", would provide \$375 billion in funding to the states for the construction and maintenance of highways and public transit systems and we are recommending passage of this Bill. The country is currently operating on a temporary extension of TEA-21 that is set to expire on February 29, 2004. Another short-term extension is possible, and that would not allow the states to confidently award projects for the upcoming year.

We need to contact our Senators and urge them to support the TEA-LU Bill that will provide the minimum required for highway and transit investment, and avoid another short-term measure. To do so is quite easy. The ASCE website has a link titled "Six clicks to write your legislator," that may actually take 12 clicks per my count, and is very user friendly. This advocacy service displays not only current information about pending legislation; it even puts together a form letter for you and can email it out in less than 10 minutes. Of course there are numerous other options if you care to take a more active role and personalize your message.

So, now that we have witnessed our Patriots becoming champions once again, let's do the same and participate in the passage of TEA-LU. The responsibility to guarantee a successful transportation system for the nation clearly rests on our shoulders.

Sincerely,

Vincent A. Piefer, P.E.

President

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.

Key Points in the Transportation Equity Act: A Legacy for Users (TEA LU)

(Prepared by the House Transportation & Infrastructure Committee professional staff):

The House T&I Committee bill reauthorizes the federal highway, transit, highway safety and motor carrier safety programs for six years from FY 2004 through 2009.

The bill provides a total of \$375 billion in new funding - a 72 percent increase over the total funding for TEA-21 (1998-2003), and a 52 percent increase over the total funding proposed in the administration's SAFETEA reauthorization bill.

The bill will continue and protect existing U.S. jobs in the transportation sector and related industries. More than 1.3 million new jobs will be created under the highway funding provisions of the House Transportation Committee bill.

The bill increases the minimum guaranteed percentage of return each state will get back from Federal highway formula programs from 90.5 percent to 95 percent by 2009.

The bill grows highway funding from \$39.9 billion in 2004 to \$59.2 billion in 2009; public transportation funding grows from \$8.2 billion in 2004 to \$14.8 billion in 2009.

The bill authorizes a new \$17.6 billion "Projects of National and Regional Significance" program to help states pay for high cost highway projects that have significant or regional benefits.

Equity: All states are guaranteed a 95% minimum percentage return from highway formula programs by 2009.

Safety Infrastructure: A \$7.5 billion safety infrastructure construction program directed toward rail highway crossings and the elimination of road hazards.

Freight Intermodal Connectors: A \$3 billion construction program targeted at improving road conditions to and from freight facilities.

Congestion Relief: Targeted improvements within congested urban transportation management areas through existing federal highway apportionment programs.

Safe Routes to School: A \$1.5 billion formula program for states to encourage communities to adopt strategies and fund projects designed to allow children to walk and bike to school safely.

Mark Your Calendars.....

2004

February 24	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	7 th Annual Spring Golf Tournament
May 11	Annual Section Meeting
May 16	Fairfield County Branch Meeting (Location to be determined)

SECTION NEWS

The **BENJAMIN WRIGHT AWARD** is CSCE 's highest award, presented each year to a civil engineer practicing in Connecticut who has demonstrated outstanding practice throughout his or her career, and made significant contributions to civil engineering. Please consider nominating a deserving colleague by sending a letter to Randy States. Nominations are due by 31 March 2002. The Executive Board will vote to determine the award winner, and make the presentation at our annual meeting in May. Candidates will be considered for several years following their nomination. Feel free to contact Vincent A Siefert with any questions or nominations.

It is never too late to recognize civil engineering faculty members who are training the engineers of tomorrow as well as to highlight one of ASCE's very successful workshops offered on teaching. Since 1999, 260 faculty members from 153 different institutions have attended ASCE's Excellence in Engineering Education (ExcEEd) Teaching Workshop. Nineteen of the past participants teach here in New England. In Connecticut: Gabriel Alunbe from Central Connecticut State University; Gregory Broderick and Jean Nocito-Gobel from the University of New Haven.

New England Regional Concrete Canoe Competition - April 24th and 25th

CSCE is looking for volunteers and judges for the annual New England Regional Concrete Canoe Competition to be hosted by the University of Hartford. No experience necessary - just a willingness to participate in this fun event. We are looking for judges for the oral presentations on Saturday April 24 at the University of Hartford, for the races on Sunday April 25 at Batterson Park Pond in New Britain. Additionally, we will need judges for the student reports that will be submitted in mid-April. As an added benefit, all judges are invited to attend both the Friday and Saturday dinners that accompany the Concrete Canoe Competition. If you are interested in participating in this fun event, please contact Tom Roy at (860) 278-7850 ext. 3432 or by e-mail at Vice-president@csce.org.

Help Wanted!

Do you want to become more involved with CSCE? How about becoming more involved with civil engineering students? We are looking for six volunteers to become "Practitioner Advisors" for Connecticut's civil engineering colleges and universities. Each practitioner advisor will be assigned to one school where they will work with the ASCE student chapter to provide guidance and a real world perspective to the students. This is not a huge time commitment and can be as easy as being available for their questions, or as involved as assisting with career fairs. If you are interested in volunteering or learning more, please contact Tom Roy at (860) 278-7850 ext. 3432 or by e-mail at Vice-president@csce.org

University of Connecticut Career Fair

The University of Connecticut will be hosting a career fair on February 17th, 2004. For more information please go to <http://www.engr.uconn.edu/~ceeasce/cf.htm>.

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".

Topics for future CSCE seminars include:

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

EMPLOYMENT ADVERTISEMENTS

WATER RESOURCES ENGINEERS *Maguire Group Inc.*, We have immediate openings for Entry-Level Engineers with an interest in the design of municipal wastewater and water facilities. BSCE in civil or environmental engineering required. AutoCAD capability and EIT preferred. We offer a competitive salary and full benefits package. Please forward your resume to: Maguire Group Inc., Attn: Jan Washburn, One Court St., New Britain, CT 06051, E.O.E. M/F/D/V

E-mail: Jwashburn@maguiregroup.com (use plain text format)

CIVIL/ENVIRONMENTAL ENGINEER: *Woodard & Curran* is seeking a civil/environmental engineer to provide engineering support at the project level in water, wastewater, and storm water projects in our Cheshire office. Applicants must have 2-5 years of experience in municipal engineering projects, BS in civil/environmental engineering, excellent computer, verbal and written communication skills, and some knowledge of environmental regulations. EIT/FE and/or Masters degree preferred. Submit Resume to Woodard & Curran, 1520 Highland Ave., Cheshire, CT 06410. Fax: 203-271-7952, e-mail: dfoshay@woodardcurran.com.

CHEMICAL ENGINEER: *Woodard & Curran* is seeking a Chemical Engineer to support air permitting and other environmental media compliance-related projects in our Cheshire office. Applicants with a BS in chemical engineering; some knowledge of environmental regulations; excellent computer, verbal, and written communications skills with 2-5 years experience will be considered. Air permitting experience and database expertise is preferred. Project work will include air, water, and hazardous waste regulatory compliance/permitting, pollution control and remediation system design/evaluation; and a variety of other environmental compliance projects. Submit Resume to Woodard & Curran, 1520 Highland Ave., Cheshire, CT 06410. Fax: 203-271-7952, e-mail: dfoshay@woodardcurran.com.

ENTRY LEVEL CIVIL ENGINEER: *HNTB Corporation* currently has an opening for a full-time or part-time, entry-level, civil engineer. Candidates should have 0-4 years experience in road or bridge design and an E.I.T. Please e-mail resumes to nelliott@hntb.com or mail to HNTB Corporation: 1880 Silas Deane Highway/Suite 201, Rocky Hill, CT 06067.

POSITION AVAILABLE – CIVIL ENGINEER: An opening is available for a civil/site engineer in a small and growing Northern Fairfield County consulting firm. Design work includes site layout and grading, storm drainage design, storm water quality analysis and design, wetland mitigation design, retaining wall design and analysis, water main/system design, and sewer/septic design for a variety of commercial, residential, and industrial projects. Ability to design a project directly in AutoCAD preferred. Ideal candidate possesses a civil engineering degree with 0 to 5 years experience. Compensation based on experience and ability. Benefits package offered. Please fax or mail resume to: Benjamin V.

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.

Doto, III, PE, 131 Deer Hill Avenue, Danbury, Connecticut 06810, Fax: (203)743-3588.

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.

Stearns & Wheler, LLC is an environmental consulting engineering firm, which is nationally recognized for their excellence in water and wastewater engineering. We are presently seeking highly motivated people for the following career positions in our Trumbull, Connecticut Office:

PROJECT MANAGER/ENGINEER (Wastewater): The qualified candidate should have a B. S. in Civil or Environmental Engineering with 5-10 years experience. Masters degree and P.E. desired. The candidate should be experienced in the planning, design and construction of wastewater treatment facilities. Strong verbal and written communication skills required.

PROJECT MANAGER (Site Engineering): The qualified candidate should have a B. S. in Civil or Environmental Engineering with 5-10 years experience. Masters degree and P.E. desired. The candidate should be experienced in the areas of drainage, site engineering and permitting. Prepare and monitor project budgets, manage project team, and make presentations to regulatory authorities. Strong verbal and written communication skills required.

ENGINEER (Civil): The qualified candidate should have a B.S. in Civil or Environmental Engineering with 1-2 years of experience. The candidate will assist in preparing studies, reports and design drawings for drainage, site engineering, and municipal infrastructure projects involving stormwater, sanitary sewers and pump stations.

CAD DRAFTER/ENGINEERING TECHNICIAN: The qualified candidate should have a minimum of an AAS Degree with experience in AutoCAD. The candidate will assist engineers and designers and perform AutoCAD drafting involving site work for residential and commercial developments and municipal infrastructure projects. Duties will include some field work involving assistance in performing surveying, testing and construction inspection.

We offer competitive salaries and comprehensive benefits package. If you wish to be considered, please submit your resume in confidence to: Human Resources Department, Stearns & Wheler, LLC, One Remington Park Dr., Cazenovia, NY 13035; Fax: (315) 655-4180; E-mail: [Jobs @ stearns wheler.com](mailto:Jobs@stearnswheler.com) AA/EOE/M/F/D/V.

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.

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 helpful. Call Sue at (203) 266 0778.

DTC, one of CT's leading engineering consulting firms, is seeking:

BRIDGE INSPECTOR: EIT or NICET 2 certification. Experience with inspection of steel bridge rehabilitation, ideally truss bridges. ConnDOT bridge inspection experience and bookkeeping requirements.

SR. HIGHWAY ENGINEER: minimum of 10 years experience with Connecticut or Massachusetts bridge and highway design.

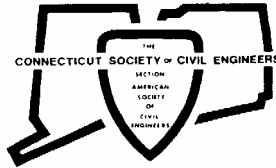
CIVIL ENGINEER, PE: For our Stamford office. 7 -15 years diverse experience in planning, design and construction in the public and private sectors. Permitting, P&Z and project management expertise required. Interest in business development a plus.

Excellent benefit package that includes medical and dental, competitive salary, 401k program and a comfortable work environment. Please fax, email resume and salary requirements in confidence to: 203-234-7376 hr@teamdmc.com www.teamdmc.com EOE/M/F

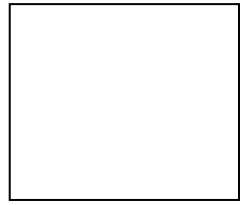
CIVIL ENGINEER *Pereira Engineering, LLC* is a Civil/Environmental Engineering firm located in Shelton, Connecticut. We are currently seeking a Civil Engineer with 0-5 years experience in site design including septic systems, storm and sanitary sewers, grading, roads, subdivisions, and drainage studies. Responsibilities include preparation of plans and calculations for various types of projects. The qualified candidate should have a B.S. in Civil or Environmental Engineering and should also be proficient with AutoCAD as well as commonly used drainage design and analysis software. Land Development experience a bonus. *This is a GREAT opportunity with plenty of room for growth. Competitive salaries based on experience.* Please email resume to: pereiraengineering@sbcglobal.net or fax to: (203) 944-9945

CIVIL ENGINEER and CIVIL/STRUCTURAL ENGINEER Expanding Civil Engineering, Structural Engineering, and Landscape Architecture Firm is seeking an entry-level civil engineer and civil/structural engineer. Both positions will entail civil site design for commercial and residential developments of varying sizes. Civil/structural candidate would be a civil site engineer with an aptitude and willingness to learn structural engineering for low to mid rise buildings. Competitive salary and benefits offered. Autocad experience preferred. Submit resume and cover letter indicating position of interest through our website at www.todesignllc.com.

PROJECT MANAGER (\$70,981 - \$106,473) The *City of Stamford* is seeking a qualified professional to lead the Stamford Urban Transitway Project team, and to ensure that the Project meets schedule, budget and federal reporting requirements. Minimum requirements include a B.S. degree in Civil Engineering or a related field; at least seven (7) years of professional engineering experience in civil, and/or construction management with a large company or consultant; and at least three (3) years of experience in a supervisory capacity. Special Requirements include current certification as a licensed P.E. in CT or another state at time of appointment. As a condition of the initial probationary period, must obtain a P.E. license from the State of CT. For further information and to obtain an application packet, visit our web site at www.cityofstamford.org or contact: The City of Stamford Human Resources Division, 888 Washington Boulevard, PO Box 10152, Stamford, CT 06904-2152. Phone: (203) 977-4070; FAX: (203) 977-4075. An EOE/AA Employer.



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