



Connecticut Society of Civil Engineers October 2022 Newsletter

From the President

Dear CSCE Members,

I hope you had a Happy Halloween and thank you all for your continued support and involvement in CSCE. Please take a few moments to look at the next couple of weeks ahead and the great opportunities we have planned out!

We would like to extend our appreciation to Dr. Alexandra Hain P.E. and all of the folks that attended the dinner meeting at UConn on October 18th. Her presentation on the field implementation of UHPC beam end repair on steel girder bridges around Connecticut was very informative and gave us insight on the cutting-edge methods gaining traction in our industry today.

The next dinner meeting will be hosted at Quinnipiac University on November 16th and will be co-sponsored by the ASCE Structural Engineering Institute. Our speaker for the evening, Michael P. Culmo, P.E., will be discussing the design and construction of an innovative non-fracture critical steel straddle bent at I-91 Interchange 29 and showcasing the award-winning ramp bridge to the Charter Oak Bridge. Please find more information and register, [here](#).

On the following day, November 17th, the CTAWWA Water Treatment Plant Operations & Maintenance Committee will host the 8th Annual Water Quality & Treatment Symposium from 8:00a.m. - 4:00p.m. at Norwich Inn & Spa in Norwich, CT. The event is tentatively scheduled to offer 6 Training Contact Hours (TCH's) and will be the only conference of its kind held by the CTAWWA this year. We look forward to seeing you there!

Best Regards,

Scott Nolan, E.I.T., M. ASCE

Upcoming Events

2022

November 16 - In-Person Dinner Meeting at Quinnipiac University

- 5:30pm - Social Hour & Registration, 6:30 p.m. Dinner and Presentation
- Topic: Straddle Bent for the Charter Oak Bridge Approach Ramp
- Speaker: Michael Culmo, P.E., CHA Consulting
- Meeting Co-Sponsors: CT Chapter of the ASCE Structural Engineering Institute and the ASCE Student Chapter at Quinnipiac University

December 6 - Virtual Lunch Meeting - 12:00 p.m.

Topic: 700-Ton Marine Travel Lift Infrastructure, Bridgeport, CT

Speaker: Matthew Rakowski, P.E., RACE Coastal Engineering

Meeting Sponsor: CT Valley Chapter of the ASCE Geo-Institute

Earn 1 New York State Professional Development Hour (NYS PDH) at each event. Registration is open on www.csce.org for these events.



**STRUCTURAL
ENGINEERING
INSTITUTE**

Connecticut Chapter



**GEO-
INSTITUTE**

**Connecticut Valley
Chapter**

2022 Report Card for Connecticut's Infrastructure

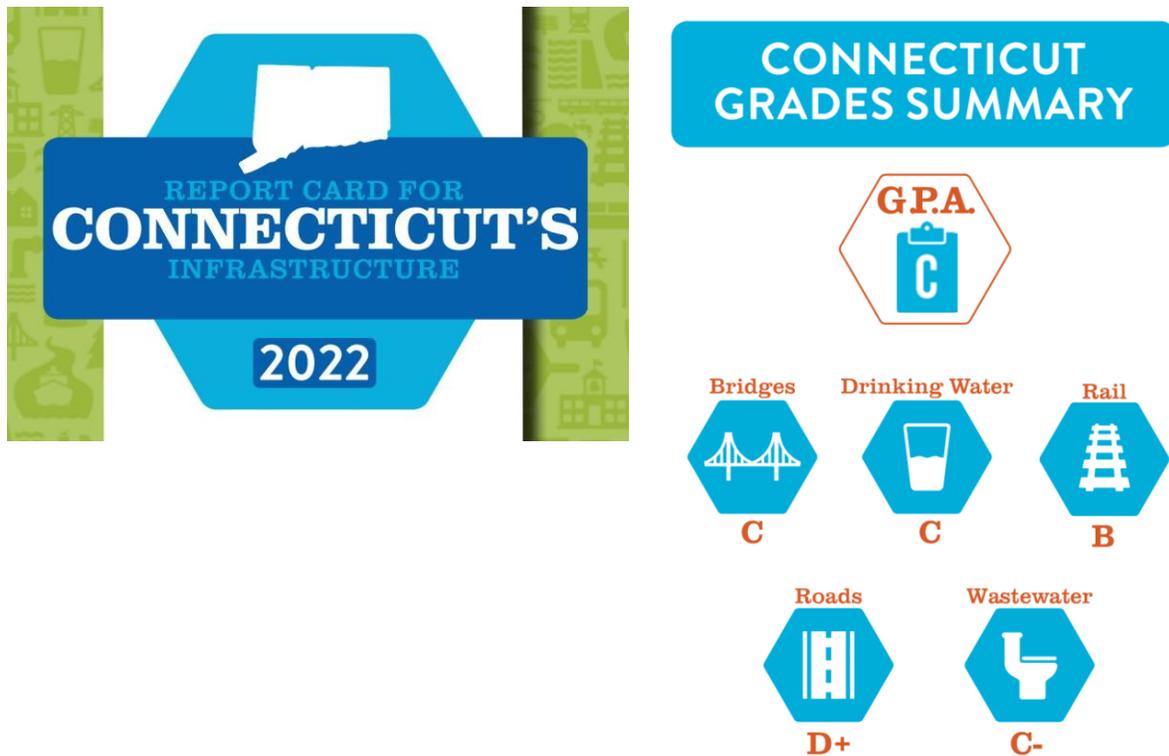
CSCE, in conjunction with the American Society of Civil Engineers (ASCE) has released the *2022 Report Card for Connecticut's Infrastructure*. This report card was produced by a volunteer committee of 18 civil engineers across Connecticut who spent countless hours collecting and analyzing data, preparing, reviewing, and presenting their findings.

Connecticut earned an overall grade of a "C" in the 2022 Report Card for Connecticut's Infrastructure, an improvement over their "C-" grade in the 2018 report.

The report evaluated five infrastructure networks important to the State of Connecticut – roads, bridges, rail transportation, drinking water systems, and wastewater systems. Grades ranged from a D+ for roads to a B for rail. Three out of five categories – bridges, drinking water, and wastewater showed incremental improvement in their grades over the last four years since the first Connecticut Infrastructure Report Card was issued in 2018 - and no categories had their grades go down. The full report card goes into great detail on the individual infrastructure network grades and recommendations of actions Connecticut can take to improve its grades.

To find out more, please find the complete *2022 Report Card for Connecticut's Infrastructure* here: www.infrastructurereportcard.org/connecticut

The report card release was announced on September 27th at a press conference held at the Metro-North Railroad Waterbury Train Station. Keynote speakers included U.S. Senator Richard Blumenthal; Mark Rolfe, P.E., Deputy Commissioner for the Connecticut Department of Transportation; and City of Waterbury Mayor Neil O'Leary.



Event Spotlight

Resume Review Workshops

The CSCE YMG (Younger Members Group) held Resume Review Workshops at UConn and the University of Hartford in September and October respectively prior to each college's career fairs. Students brought copies of their resumes and were paired with young professionals who gave them feedback to better prepare them for their job searches. There was also overarching discussion of what our industry is like and what the students can expect when beginning their careers. The event also stressed the benefits of remaining an active ASCE member following graduation.



1 -UConn Resume Review

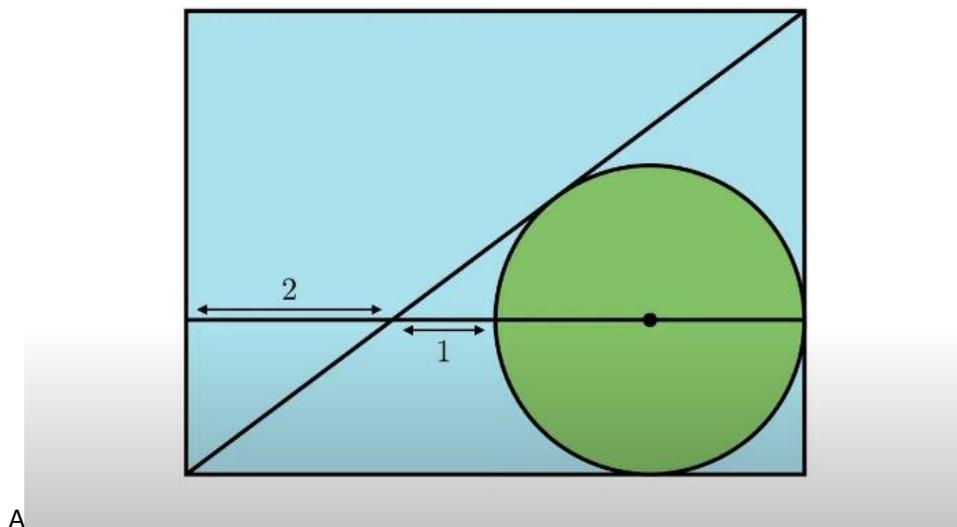


2 - UHart Resume Review Showing

Brain Teaser Corner



What is the area of the rectangle?
given the circle touches the rectangle and its diagonal.



3 - Current Brain Teaser

Previous Month's Answer: 40 socks.

Solution to be shown in subsequent newsletter. Want to stump your colleagues? If the answer to this question is Yes, please submit your Brain Teaser (and solution) to the Newsletter editor at STurek@chacompanies.com

Employment Opportunities



- **GeoDesign**
- **Project-Level Geotechnical Engineer**
- **Job Posted: October 27, 2022**

GEODesign has an immediate opening in Connecticut for a project-level geotechnical engineer to provide geotechnical services on design and construction projects in New England and Metro New York areas.

GEODesign is a premier geotechnical specialty engineering consulting firm headquartered in Middlebury, Connecticut, with offices in NJ, VT, NY and OR. We are a regional industry leader providing services in the fields of geotechnical, environmental, forensic, and construction engineering. This position offers an excellent opportunity to work on a wide variety of projects such as highways & bridges, buildings, water front structures, land development, forensic engineering, dam engineering, and environmental remediation. GEODesign offers great growth potential and learning opportunities to those aspiring professionals by working closely with our highly competent, seasoned engineers recognized in the field. For more information/to apply, please visit <https://geocompanies.com/> or email resume to hr@geocompanies.com.

GEODesign is an Equal Opportunity Employer



- **Siefert Associates, LLC**
- **Structural Project Manager**
- **Job Posted: October 27, 2022**

Siefert Associates, LLC., is a Structural-Geotechnical Engineering firm practicing in the niche field of Construction Engineering. We are the professional service firm of choice for contractors across the Northeast and are proud to call 10 of the top 15 Domestic Heavy Contractors [per ENR] as our Clients. Our specialty is developing working drawings and calculations for heavy highway, building, railroad, & utility projects. Our work includes temporary & permanent design, inspection, & field services.

We seek a Structural Project Manager for responsibilities that include the management & preparation of calculations for complex projects, business development, proposal writing, & training/mentoring of production staff. BS or MS in Civil Engineering, PE license in NY/CT, & 10 years of design experience in construction engineering preferred. Located in Watertown, CT office with hybrid work options.

Apply at: www.siefertassociates.com – email cover letter & resume to info@siefertassociates.com



University of New Haven

- **University of New Haven**
- **THREE Faculty Positions Open**
- **Jobs posted: October 13, 2022**

The Department of Civil and Environmental Engineering at the University of New Haven (UNH) invites applications for THREE faculty positions:

- *Assistant Professor or Full time lecturer in Geotechnical Engineering for Spring 2023 (a min. degree requirement: MS for lecturer and PhD for Asst. Prof.)*

<http://apply.interfolio.com/113779>

- *Full-time Lecturer in Water Resources Engineering for Spring 2023 (a min. degree requirement: MS)*

<http://apply.interfolio.com/114147>

- *Tenure Track or tenured Tagliatela Family Chair (Civil Engineering) in Construction Management for Fall 2023 (open rank)*

<http://apply.interfolio.com/114063>



- **AECOM**
- **Multiple Positions Open**
- **Jobs posted: Fall 2022**

It's one thing to imagine a better world, but you're built to deliver it. Join us to work with a global team committed to achieving our client's goals, improving outcomes in their communities and incorporating sustainability, and resilience in every aspect of our work

Check out these amazing opportunities to join our dynamic and talented East/Northeast Water group! Click on the links below for more information, or feel free to reach out directly to our Talent Acquisition Partner [Shelita Parker!](#)

[Project Manager – Federal Programs \(Defense Facilities\) – Boston, MA](#)

[Senior Civil Engineer/Climate Resiliency – Chelmsford, MA](#)

[Project Engineer \(Water/Wastewater/Water Resources – Chelmsford, MA or Rocky Hill CT](#)

[Program Manager – Federal Programs \(Defense Facilities\) – Boston, MA](#)

[Permitting Specialist/Wetland Scientist – Chelmsford, MA](#)

[Senior Civil/Water Resources Engineer – Chelmsford, MA](#)

[Tunnel Design Engineer – Chelmsford, MA](#)

[Sr. Project Engineer/Assistant PM \(Water/Wastewater\), Conshohocken, PA, Newark, DE or Philadelphia, PA](#)

[Senior Geotechnical Engineer – Dams and Coastal Resilience – Chelmsford, MA](#)

[Project Engineer – Rocky Hill, CT](#)

Work with us. Change the world: <https://aecom.com/careers/>



- **RACE Coastal Engineering**
- **Structural or Geotechnical Project Engineer**
- **Job Posted: October 6, 2022**

RACE Coastal Engineering provides coastal engineering consultation and design to clients throughout the Northeast and beyond.

We are seeking a Project Engineer with 5-10 years of experience to provide technical expertise in the field of structural and/or geotechnical engineering to support various projects, including field inspection, analysis, design and preparation of plans and technical specifications for piers, wharves, mooring structures, bulkheads, seawalls and other waterfront structures.

A Professional Engineer License is required for this position. RACE offers excellent compensation and benefits, including health, dental and life insurance, paid holiday, vacation, and sick time, a retirement savings plan and more.

Please visit <https://www.racecoastal.com/project-engineer> for more information.



- **Nathan L. Jacobson & Associates**
- **Chief Inspector**
- **Job Posted: November 23, 2021**

Established Civil and Environmental Engineering firm seeking highly motivated technical personnel with excellent communication skills for a Construction Chief Inspector position. Experience in bridge and roadway construction inspection, testing and CTDOT four volumes. Minimum AS degree in CE or CE Technology desired, and; Microsoft Word, Excel and Outlook experience required. NICET 3 certification or PE required. For more information and to apply, visit our website; www.nlja.com.



89 Colony Street
Meriden, CT 06451
(203) 379-0320

- **Luchs Consulting Engineers, LLC**
- **Chief Inspector, Office Engineer, Senior Inspector, and Inspector positions**
- **Job Posted: October 18, 2021**

Luchs Consulting Engineers, LLC, a Meriden based Consulting Engineering firm is seeking candidates for a Chief Inspector, Office Engineer, Senior Inspector and Inspector positions. Experience with State of Connecticut and Municipal Construction Inspection procedures is required. Current NICET, NETTCP, ACI, ATSSA and NACE Certifications are a plus.

Competitive Benefit Package

Email: dcrandall@luchs.com

An Affirmative Action Employer (EOE)



89 Colony Street
Meriden, CT 06451
(203) 379-0320

- **Luchs Consulting Engineers, LLC**
- **Civil Design Engineer**
- **Job Posted: October 18, 2021**

Luchs Consulting Engineers is a multi-disciplined engineering, surveying firm based in Meriden, CT. We have immediate opportunities for professionals who are ready to join our dynamic team.

Civil Design Engineer BS Degree in Civil Engineering; EIT or NICET a plus

- 3-7 years' experience in CTDOT design environment
- Roadway Drainage Design/HEC-RAS Hydraulic experience required
- Knowledge of MicroStation or AutoCAD required

Comprehensive Benefit Package

Please email resumes to: dcrandall@luchs.com

<http://www.luchs.com/>



Consulting Engineers, P.C.

Structural Engineering
Geotechnical Engineering
Historic Preservation

- **GNCB**
- **Sr. Geotech Engineer**

- **Job Posted: July 22, 2021**

GNCB seeks Sr. Geotech Engineer to serve as Project Manager. Responsibilities: Manage projects including all aspects of field & lab investigations, project design, & construction administration; prepare budgets, proposals, reports & contracts; build and maintain Client Relationships. Minimum Quals: B.S. or M.S. in Civil Engineering with geotech concentration; P.E. in Connecticut; 8 to 12 years' experience showing proficiency in job responsibilities & knowledge of local subsurface conditions.



- **Hardesty & Hanover**
- **Civil Engineers**
- **Job Posted: June 22, 2021**

Hardesty & Hanover is currently seeking engineers to join our expanding civil engineering design group in New England. Our New Haven office seeks experienced Civil Engineers with expertise in roadway, drainage, traffic, and highway safety design. Applicants should be able to perform design tasks, lead small groups, communicate effectively, and collaborate to meet objectives. Our firm offers a close-knit employee-based culture and opportunities for professional growth and leadership. Please visit <https://www.hardestyhanover.com/current-openings/> for further details.



- **Conlon Engineering, LLC**
- **Structural Engineer**
- **Job Posted: June 21, 2021**

Conlon Engineering, a growing structural design firm in Brookfield, CT is seeking a structural engineer with 0-3 years of experience doing design work and calculations. We are looking for a smart, hardworking engineer who wants to be part of a profitable firm that is set up for sustainable growth. Visit our website at conlonengineering.com and email resumes to



- **Down To Earth Consulting, LLC**
- **Geotechnical Senior Project Engineer**
- **Job Posted: June 21, 2021**

Down To Earth Consulting is seeking a Senior Project Engineer to join our geotechnical group in Naugatuck, CT. The successful candidate should have a BS degree from an ABET accredited civil engineering program, 5 to 10 years of experience, and be a licensed PE. Down To Earth Consulting is an Affirmative Action/Equal Opportunity Employer. To learn more about this opportunity, please submit your resume to ray@downtoearthconsulting.com.



4 - <https://www.facebook.com/PereiraEng/>

- **Pereira Engineering**
- **Civil Engineer, Land Surveyors & Survey Technicians**
- **Job Posted: June 21, 2021**

Pereira Engineering is an established Civil/Environmental/Land Surveying firm located in Shelton, CT. PE is seeking a Civil Engineer as well as Land Surveyors and Survey Technicians (at all levels of experience) to expand our Survey Department. PE offers a very competitive salary and benefits. Please email resume to:

Volunteer Opportunities



Volunteers Needed: Lend Your Expertise

IIBEC needs volunteers to help complete its Certified Building Enclosure Commissioning Provider (CBECxP) program certification exam. Participation involves attending three to four online meetings.

Each meeting will last two to three hours. We expect this final stage to occur in the late November to mid-December time frame. *To volunteer or to request further information, please email Nancy Barnes, PhD, at nbarnes@iibec.org.*

Volunteers who are chosen and participate in all required meetings will be compensated by IIBEC with receipt of a complimentary registration to the 2023 IIBEC International Convention and Trade Show.

Due to the nature of the review activity, prospective volunteers:

Must not have participated in prior CBECxP Program planning activities, including exam development.

Must not provide continuing education-related services pertaining to the design of continuing education training materials or courses or the delivery of continuing education training to individuals for any organization or entity within the building enclosure commissioning profession during this volunteer activity and for a period of twenty-four (24) months following its completion.

Must be willing to sign the following: Conflict of Interest and Impartiality form; Non-Disclosure Agreement form; and any form(s) required by IIBEC's test vendor, Scantron/Meazure Learning.

Must agree to not apply for the CBECxP certification or take the CBECxP exam for a period of twenty-four (24) months following the completion of this volunteer activity.

Memberships

ASCE and CSCE Membership

ASCE members come from all disciplines of civil engineering, from all types of environments, and from all over the world. With benefits geared to meet the high standards of professionalism, ASCE strives to cater to each member's needs.

Membership in CSCE is granted to ASCE members upon receipt of Connecticut Section dues. Connecticut Section dues are \$30 per year. Please include your section dues with your national membership renewal. We can accept mid-year memberships. Please contact our [Membership Committee Chair Rich Cohen at rcohen@hwlochner.com](mailto:rcohen@hwlochner.com) for more information about CSCE and ASCE. To join the Connecticut section of ASCE, please go to the ASCE website (www.asce.org) and click on Join at the top of the page.

Why join CSCE? Please click [here](#) for our PowerPoint Presentation from a Professional Issues Seminar on Tuesday, April 8, 2008 about the Advantages to Joining Professional Associations

Transferring Section Membership

Have you recently moved to Connecticut, or are you about to? If you are a current ASCE and local Section member you can transfer your Section membership to CSCE. Once you move to Connecticut, you may go online to www.asce.org/myprofile and log in change your address information. This will initiate the transfer from your old Section to the Connecticut Section. If you encounter any trouble while online, you can also contact the ASCE Records Department via email at memrec@asce.org or (703) 295-6300 to provide you new address information and the transfer can be handled that way as well.

If you are moving out of Connecticut, you can follow the same procedure to transfer from CSCE to your new local Section. We are sorry to see you go, but hope that you continue to be active in ASCE and your new local Section. For information about the local Section for where you are moving, you can visit the ASCE website @: <http://www.asce.org/Regions-Sections-Branches/>

Advancing your Membership Grade

Do you need to advance your membership grade? Are you a recent graduate? Did you get your P.E. license? ASCE and CSCE encourage you to advance your membership grade as your professional career progresses. Information and instructions are available on the [ASCE website](#)

10 Free PDHs

Did you know ASCE members receive 10 Free PDHs.

Choose up to 10 out of 200 on-demand webinars from the comprehensive continuing education library

All active professional ASCE members have access to the courses. If you have already selected your free courses, go directly to [MyLearning](#). Check out other [continuing education](#) opportunities too.

*ASCE updates free On-Demand Webinars on January 1. Free webinars must be used (viewed and exam taken) between January 1 and **December 31**. When you join or renew for the next membership year, you can select ten additional free webinars as early as January 1 of the following membership year. Access them at www.asce.org/freepdh. You are required to pass an exam on the webinar's content to receive a free PDH.*

Unemployed?

ASCE National has a program to waive dues of unemployed members. For more information,

Write to:

ASCE

Attn: Member Services Dept.

1801 Alexander Bell Drive

Reston, VA 20191-4382

Or Call : Toll free: 1-800-548-ASCE Direct: 703-295-6169 Fax: 703-295-6335

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INVEST IN YOURSELF:
RENEW TODAY!



ASCE Members
Receive one free
technical Institute
with their membership

www.asce.org/institutes



**10 FREE
PDHs**

About CSCE

The CSCE is the result of a merger of two organizations that occurred 30 years ago. The Connecticut Society of Civil Engineers was founded in 1884, while the Connecticut Section of the American Society of Civil Engineers was founded in 1919. In 1958, the Section had 523 members. In 1955 (the nearest comparable year for reliable numbers), the Society had 1,033 members. The two organizations met separately until they merged in 1981, by mutual vote of membership, to become the Connecticut Society of Civil Engineers Section of American Society of Civil Engineers or CSCE.

Civil Engineers design and build our increasingly complex infrastructure; work with government officials, citizens and businesses to promote better infrastructure maintenance and renewal; and build commerce in Connecticut and throughout the World. We serve diverse industries including government, consulting, construction, academics and manufacturing and we work in a variety of disciplines including geotechnical, environmental, structures, transportation, and water resources.

Contact Us

The 2022-2023 CSCE Executive Board thanks you for taking the time to read this newsletter. Should you have any questions, comments, or concerns - feel free to contact [one of our members](#).