

April 2022 Newsletter

# Connecticut Society of Civil Engineers April Newsletter

## From **the President**

Dear CSCE Members,

I hope this newsletter finds you well!

CSCE had our April Dinner Meeting at the US Coast Guard Academy on April 13 where we had a presentation from Sara Ramsbotom, P.E. from the Department of Public Health on Drinking Water Funding Programs. As part of this dinner meeting, CSCE also awarded our annual student scholarships. Over the past couple of years, we have revamped our scholarship applications to have them available to high school seniors who were accepted into civil engineering related fields, and also undergraduate juniors and seniors currently enrolled in these programs. This year, we were able to award scholarships to thirty-one students, which to my knowledge, is a new CSCE record! We are so grateful to be able to reach this many students this year and support the future civil engineers of Connecticut!

We have a virtual lunchtime meeting coming up on May 10 sponsored by our CT chapter of the ASCE Transportation and Development Institute. Kevin O'Connor and Josh Manns from Parsons will give a presentation about Implementing Digital Twins for Design Review, and will be worth 1 NYS PDH.

The ACE Awards are still on for May 26 at the Aqua turf club and registration is open! This will be our first ACE Awards since 2019, so we are very much looking forward to seeing you all there and celebrating the industry's achievements over the last few years!

Sincerely,

Brianna Ritacco, P.E., M. ASCE

## CSCE Board Member Vacancies

CSCE is looking to fill 2 board vacancies for this upcoming year: Secretary & Newsletter editor. ( Please see the descriptions below) people who are interested in one of the positions can contact a CSCE Board member or send an email to [csceinfo@gmail.com](mailto:csceinfo@gmail.com).

**Secretary :**The Secretary coordinates Board activities with the Administrative Assistant including assisting the President in preparing the CSCE Annual Report, managing correspondence received from ASCE, preparing articles for the Newsletter, serving as the Board Contact for the Membership Committee and incorporating approved changes and/or additions to the Operations Manual.

**Newsletter Editor:** The newsletter editor works closely with the President and the Board to prepare and publish the monthly Newsletter that is posted on CSCE Website.

## Upcoming Events

### 2022

**April 28** - CSCE Younger Members Spring Brewery Social Outing- Time 5-8 PM

- Location: Hops on the Hill Brewery, Glastonbury, CT

**May 10** - Virtual Lunch Meeting - Time: 12-1:30 p.m.

- Topic: Implementing Digital Twins for Design Review
- Speakers: Kevin O'Connor, P.E., and Josh Manns, P.E., Parsons
- Sponsor: CT Chapter of the ASCE Transportation & Development Institute
- Earn 1 NYS PDH at this meeting
- Click [Here](#) to Register for this Event

**May 26** - Annual Achievement in Civil Engineering (ACE) Awards, The Aqua Turf Club, Plantsville, CT (See information below)

- [Click Here to register for this event.](#)

**June 10-12** East Region Young Member Council Conference

- Hosted By CSCE's Younger Members Group this year in Hartford (See information below)

**June 16** - Structural Engineering Seminar Construction Challenges and Failures

- Earn up to 6 NYS PDHs at this event

- Location: MDC Operations Facility & Training Center, Hartford, CT
- [Click here to register for this event.](#)




**CSCE VIRTUAL LUNCH MEETING**  
**MAY 10, 2022 EARN 1 NYS PDH**  
 12:00 - 1:30 PM

**Implementing Digital Twins for Design Review**  
**Kevin O'Connor, P.E., and Josh Manns, P.E., Parsons**

iTwin Design Review is an exciting tool allowing designers, reviewers and stakeholders to collaborate directly from their design models. Connecticut DOT (CTDOT) and Parsons/Bentley teamed up to facilitate CTDOT's first iTwin on the CTDOT I-91/I-691/Route 15 Improvement Project. The effort consists of 3D modeling, training CTDOT staff, and item types. iTwin allows CTDOT to efficiently review design and make better design decisions. Come hear some lessons learned to help you save time when your organization is ready to implement.

Meeting Sponsor: CT Chapter of the ASCE  
 Transportation & Development Institute



Registration information  
 can be found at  
[www.csce.org](http://www.csce.org)



TRANSPORTATION  
 & DEVELOPMENT  
 INSTITUTE  
 Connecticut Chapter

## 15TH ANNUAL ACHIEVEMENT IN CIVIL ENGINEERING (ACE) AWARDS



**May 26, 2022**

5:00 PM Reception  
6:00 PM Dinner & Program

Glass Room, The Aqua Turf Club  
556 Mulberry Street, Plantsville, CT

Register at [www.csce.org](http://www.csce.org)

Please join CSCE as it honors the design and construction achievements of Connecticut Civil Engineers from 2020, 2021 and 2022. CSCE will commend projects on which significant engineering expertise or Innovation was exhibited by Connecticut Engineers and especially CSCE members.

### Registration & Sponsorships

Individuals: \$80

Table of 10: \$725

**Platinum Sponsorship** (\$2,500) includes Full Page advertisement in Dinner Pamphlet, Advertisement on Event Sponsorship Board, and Two Dinner Tables.

**Gold Sponsorship** (\$1,500) includes Half Page Advertisement in Dinner Pamphlet, Advertisement on Event Sponsorship Board, and One Dinner Table.

**Silver Sponsorship** (\$1,000) includes Quarter Page advertisement in Dinner Pamphlet, Advertisement on Event Sponsorship Board, and Four seats at the Dinner.

**Bronze Sponsorship** (\$500) includes Business card size advertisement in Dinner Pamphlet, Listing of company name on Event Sponsorship Board, and Two seats at the Dinner.

## Hartford Eastern Regional Younger Member Council (ERYMC) Conference

### Hartford 2022 Update

#### Conference Details

Dates: June 10-12  
Location: Hartford Marriott

Eastern Regional Younger Member Council (ERYMC) will span 24 states, 5 Canadian Provinces and Puerto Rico

Committee on Younger Member (CYM)'s Younger Member Leadership Symposium (YMLS)

Region 1 Assembly, Section and Branch Leaders from 8 Northeast States and Canadian Provinces

Outdoor spaces when possible & COVID-19 Guidance as followed by City of Hartford and ASCE.

Expected Attendance from 300+ ASCE Leaders and will include workshops, technical sessions, tours, networking opportunities, evening socials and more

For updates please visit our website: [www.cterymc.com](http://www.cterymc.com)

In prior communications the following have been moved virtual:  
Workshop for Section and Branch Leaders (WSBL)  
Workshop for Student Chapter Leaders (WCSL)



**Volunteers Needed!**  
Conference Staffing  
Registration Table  
Event Set Up  
Event Clean Up



#### Sponsor Benefits Reminders

**Platinum Level**  
Evening Sponsored Event  
Company Logo on Attendee Gift Bag  
All Gold Level Benefits

**Gold Level**  
Logo on Conference Lanyards  
Advertisement in CSCE Newsletter  
Sponsor Signage at Networking Event  
All Silver Level Benefits

**Silver Level**  
Company Promo Item for Gift Bag  
Free Job Posting in CSCE Newsletter  
Social Media/Website Thank You Post  
All Bronze Level Benefits

**Bronze Level**  
Sponsor Signage at Conference

Please contact us for any questions or clarifications. Promo items for gift bag needed no later than May 31st



Thank You to our Sponsors!



ASCE conference registrations will be live the first week of April

If you are looking to volunteer or have any questions please email our group, [csceyrmc@gmail.com](mailto:csceyrmc@gmail.com)



## Innovative Engineering Consulting and Construction Management

2022 marks seven decades of award-winning projects,  
satisfied clients, safer communities and a reputation  
for excellence.



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#theCIAway



## Project Spotlight

This month in our project spotlight we would like to highlight the 2021 ACE Award winner in Excellence in Transportation Studies. This award was given to VN Engineers for its work on a Task Based Regional Transportation Safety Plan for the Connecticut Department of Transportation. This project was born out of the CTDOT Highway Safety Department's commitment to improve our state's transportation network by reducing crashes on all roadways within the state, region by region. This initiative has emphasized safety over expansion and treating each region as a unique entity to achieve the state's objectives. By prioritizing safety, CTDOT has continued the state's commitment to improvements by giving a data-driven, multimodal, and multidisciplinary report to each of the regions in CT. This has assisted each region in identifying high crash frequency locations and feasible, cost-effective countermeasures and strategies to reduce crashes. By recommending possible projects based on data and stakeholder input, each region has been positioned to receive available safety funds and to make needed transportation improvements. Many of these improvements enhance neighborhoods by reducing speeds, introducing pedestrian and bicycle infrastructure, augmenting existing infrastructure, outlining resources for public outreach, thus creating safer streets for all users.

The team met with each municipality in the state to ensure that the needs of each community were included in the report. This approach guaranteed that the less populated towns would not get overshadowed by the more densely populated locations which typically have more crashes. In addition,

each municipality received a sub-report that summarized their town or city’s concerns around transportation deficiencies, bike and pedestrian needs, enforcement, and motorists’ behavior.

With a focus on safety, the report's recommendations were presented to municipal elected officials and have received approval from the state. In addition to the chief elected officials, municipal engineers, public works directors, highway foremen, local and state police, fire and first responders were also engaged in the development of the study. This iterative process guaranteed that each study was reflective of each individual community’s needs.

The largest challenge faced in the report was representing CTDOT, the nine COGs, and each town and city accurately and complementarily. This challenge provided the team with opportunities to collaborate directly with all 169 municipalities and the various representatives, every COG and various departments within CTDOT.

In the end, the team was successful in collaborating with every municipality, even amidst the pandemic. The team also produced interactive and custom story boards based on the crash data and the analysis from the report. Each of these story boards will assist the planning agencies and the public in accessing the information provided in the studies. The team focused on visually appealing and user-friendly tools to drive public engagement with the material. The reports will assist each region in selecting and prioritizing projects to make safety improvements, and will help the State reach its safety targets outlined in the Strategic Highway Safety Plan (SHSP).





*ALL NINE REGIONS OF CT WERE STUDIED*



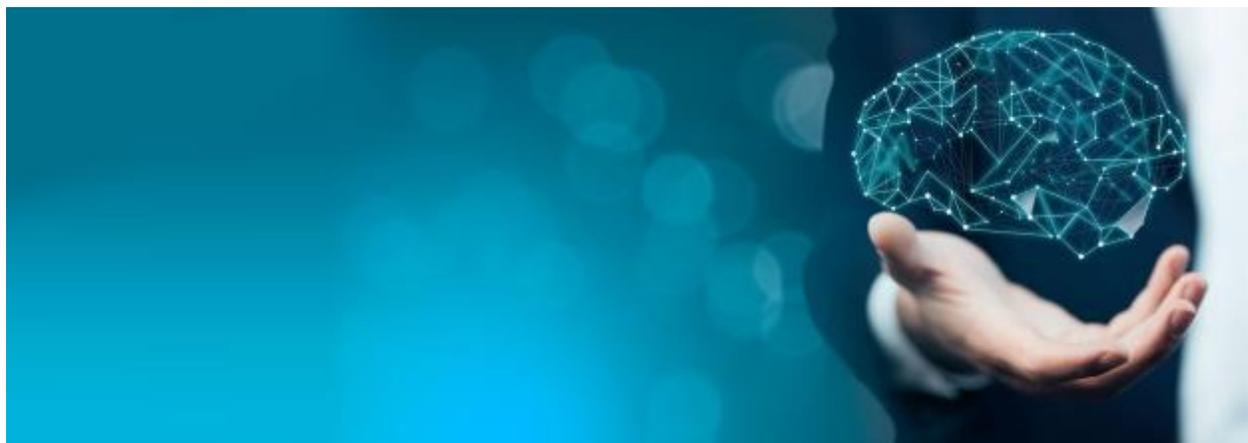
*INFRASTRUCTURE ANALYSIS  
SITE VISITS IN EVERY MUNICIPALITY*



*BIKE AND PEDESTRIAN ANALYSIS*



## Brain Teaser Corner



What is  $\frac{3}{7}$  chicken,  $\frac{2}{3}$  cat and  $\frac{2}{4}$  goat?

**Previous Month's Answer:** Pick a fruit from the crate marked Apples and Oranges. If that fruit is an apple, you know that the crate should be labeled Apples because all of the labels are incorrect as they are. Therefore, you know the crate marked Apples must be Oranges (if it were labeled Apples and Oranges, the Oranges crate would be labeled correctly, and we know it isn't), and the one marked Oranges is Apples and Oranges. Alternately, if you picked an orange from the crate marked Apples and Oranges, you know that crate should be marked Oranges, the one marked Oranges must be Apples, and the one marked Apples must be Apples and Oranges.

*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 [tparker@hwlochner.com](mailto:tparker@hwlochner.com)*

## Employment Opportunities

# Job Openings

**Stantec** - [Structural / Civil Engineering Intern](#), New Haven, CT - *Posted on [www.csce.org](http://www.csce.org) on March 14, 2022*

**Jobit** - [Civil Engineering Project Manager](#), Hartford, CT - *Unlock your full potential with an award winning full-service civil engineering firm! Job posted on [www.csce.org](http://www.csce.org) on March 10, 2022*

**Liberty Personnel Services, Inc.** - [Civil Transportation Inspector](#), North Haven, CT - *Job posted on [www.csce.org](http://www.csce.org) on March 10, 2022*

**Haley & Aldrich** - [Civil/Geotechnical Engineer](#), Hartford, CT - *Job posted on [www.csce.org](http://www.csce.org) on March 10, 2022*

**WSP USA** - [Senior Drinking Water Leader](#), Shelton, CT - *Job posted on [www.csce.org](http://www.csce.org) on March 10, 2022*

**Jacobs** - [Senior Wetland Scientist/Permitting Specialist](#), Wethersfield, CT - *Job posted on [www.csce.org](http://www.csce.org) on March 10, 2022*

**Kleinschmidt Group** - [Senior Structural Engineer](#), Essex, CT - *Job posted on [www.csce.org](http://www.csce.org) on March 10, 2022*

**City of Windsor, CT** - [Pollution Control Project Engineer](#) - *Job posted on [www.csce.org](http://www.csce.org) on March 10, 2022*



- **GZA GeoEnvironmental, Inc**

- **Entry-Level Geotechnical Engineer**
- **Job Posted: April 26, 2022**

GZA GeoEnvironmental, Inc. (GZA) is seeking an **Entry-Level Geotechnical Engineer** in our **Trumbull/Glastonbury, CT office**. The successful candidate must have a solid educational background and be self-motivated with a professional attitude. Join our team of engineers who work on a variety of projects including geotechnical explorations, foundations, ground improvement, and field monitoring. Work under the supervision of project managers and/or principals. Between field work projects, you will work in a professional office setting, preparing detailed and accurate field documentation, data analysis and reporting. Great culture, benefits and opportunity for growth! **To apply, please go to [www.gza.com/careers](http://www.gza.com/careers)**



- **GeoDesign**
- **Project Geotech Engineers**
- **Job Posted: April 4, 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 [mdu@geocompanies.com](mailto:mdu@geocompanies.com).



- **Siefert Associates, LLC**
- **Structural Project Manager**
- **Job Posted: April 13, 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 Naugatuck, CT office with hybrid work options.

Apply at: [www.siefertassociates.com](http://www.siefertassociates.com) – email cover letter & resume to [info@siefertassociates.com](mailto:info@siefertassociates.com)



- **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](http://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](mailto:dcrandall@luchs.com)

An Affirmative Action Employer (EOE)

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



- **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](mailto: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.

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



- **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](http://conlonengineering.com) and email resumes to [office@conlonengineering.com](mailto:office@conlonengineering.com)



- **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](mailto:ray@downtoearthconsulting.com).

<https://downtoearthconsulting.com/>



1 - <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: [joe.pereira@pereiraeng.com](mailto:joe.pereira@pereiraeng.com)

## 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 richcohen@hwlochner.com](mailto:richcohen@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](http://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](http://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](mailto: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](http://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





## 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 2021-2022 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](#).