



**ASCE May 2022 Luncheon**  
 Tuesday, May 10, 2022

**New Orleans Structurally Compromised Building - Demolition Planning and Challenges**

On October 12, 2019, the 190-foot-tall building at 1031 Canal in New Orleans partially collapsed while under construction. Ms. Peno was part of the demolition team that was brought in after the collapse to fully demolish the remaining steel and concrete structure. Ms. Peno will present the unique challenges of taking down the structurally comprised building. She will also talk about the role structural engineers play for demolition projects and the typical demolition design procedure.

**Presenter:** Ashlee N. Peno, PE, SE - Chief Structural Engineer, Special Inspections & Design

Ms. Peno is the Chief Structural Engineer responsible for managing the engineering design division of Special Inspections & Design and is licensed in 11 states. Her 18 years of experience includes the design, detail, inspection, rehabilitation, and demolition of low-rise to mid-rise buildings, bridges, and other structures. Her design experience encompasses new and existing institutional, healthcare, commercial, and industrial structures utilizing concrete, steel, masonry, timber, and light gage framing. Her experience includes inspection and design for clients such as Washington University School of Medicine, Southern Illinois University Edwardsville, Ameren, Boeing, Anheuser-Busch, and many others.

**Time & Date:**

Tuesday, May 10, 2022 from 11:30 AM to 1:00 PM CST

Check-in starts at 11:30am and lunch is served at 11:45am. The program will begin promptly at 12:00pm. One (1) PDH available.

**Cost:**

\$25 In-Person Attendance w/ Lunch, \$5 Virtual (Member) - Register ([link](#)) by 4:00 PM on Tuesday, May 3, 2022 for in-person attendance.

\$10 Virtual (Non-Member) - Register by 9:00 PM on Monday, May 9, 2022 for virtual attendance. A link to participate will be sent upon registration for virtual attendees.

One (1) PDH available.

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Upcoming Events

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| <u>May</u>  | 1 ASCE Election Opens                   |
|             | 10 ASCE St. Louis May Luncheon          |
|             | 18 YMG May Meeting                      |
|             | 19 EWRI Speaker Series Webinar          |
|             | 19 GI May Meeting and Officer Elections |
| <u>June</u> | 1 Deadline for Awards Nominations       |

**LinkedIn**

Follow the Section and share with your network.  
 Update your bookmarks with our new Section website  
<http://sections.asce.org/st-louis/>

## Officers & Directors 2021 - 2022

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[jepettibone.asce@gmail.com](mailto:jepettibone.asce@gmail.com)

## President's Message



We're now entering the month of May, and the Cardinals baseball season is in full-swing and the Blues are gearing up for the playoffs. It's a great time of the year for cheering on our home teams and getting outside to enjoy some springtime activities. I would be remiss if I failed to recognize that in April was National Distracted Driving Awareness Month. According to the National Safety Council, "our roads are the most dangerous they've been in years; on a typical day, eight people are killed and hundreds more are injured in distraction-affected crashes." MoDOT reported that in 2021, for the first time since 2006,

Missouri's traffic fatalities surpassed 1,000, the second straight year of growing fatalities after nearly a decade of steady decline. The top culprits? Not wearing seatbelts and distracted driving. To put this in perspective, driving at a speed of 55 miles per hour, and looking away from the road to read a text for only 5 seconds, you will travel over 400 feet, about the length of a home run to center field at Busch Stadium. This is a long distance to not have your eyes on the road! As civil engineers we need to raise the awareness of these hazards and set a good example to keep our roadways safe for everyone, especially in work and school zones.

We are looking forward to our monthly luncheon scheduled for Tuesday May 10th, with in-person and virtual participation format. This month's luncheon will feature a presentation from Ashlee N. Peno, PE, SE, Chief Structural Engineer with Special Inspections and Design, to speak about the unique challenges associated with demolishing the 190-foot-tall Hard Rock Hotel building in New Orleans that partially collapsed while in construction in October 2019. Hope you can attend and hear about this topic, which should provide valuable lessons for us as practicing engineers.

Election time is here! I would like to remind our members again that Marsia Geldert-Murphey, P.E., F. ASCE, Regional Director with Lochmueller Group, and a member of the ASCE St. Louis Section, is a nominee for ASCE 2023 President-Elect. Please read more about Ms. Geldert-Murphy's candidacy [HERE](#). Please note also that Peter M. Moore, P.E., F. ASCE, FACEC, F.FES, ENV SP, LEED AP is also a candidate for ASCE President-Elect. "Meet the Candidate" bios for Ms. Geldert-Murphy and Mr. Moore in the last two [newsletters](#) for your information, as well. The ASCE election opens May 1 with online ballots accepted through June 1. Please plan to vote!

Yours truly,  
John Weiland

*(Editor's note: Please see the two candidates' [ASCE Presidential Candidates Responses to Questions](#).)*

## ASCE St. Louis Section 2022 Annual Awards Dinner



SAVE THE DATE  
MARK YOUR CALENDARS FOR THE

ASCE ST. LOUIS SECTION  
2022 ANNUAL AWARDS DINNER

Program to include:  
Presentation of St. Louis Section Awards  
Introduction of New Officers

THE EVENING OF FRIDAY,  
**SEPTEMBER 30, 2022**



**INTERNATIONAL PHOTOGRAPHY  
HALL OF FAME AND MUSEUM**

3415 Olive St., St. Louis, MO 63103

Registration information will be posted soon.  
HOPE TO SEE YOU THERE!

Jordan Pettibone, Annual Dinner Chair  
[jpettibone.asce@gmail.com](mailto:jpettibone.asce@gmail.com)

Please post in your office

## Call for Local Award Nominations

Do you have an outstanding project or colleague who deserves recognition? Consider nominating them for an ASCE St. Louis Section award! These prestigious awards are presented at the Annual Awards Dinner in September and are a great way to showcase the civil engineering excellence in our Section!

The St. Louis Section is seeking nominations until June 1, 2022 for the following Local Awards:

### **New this Year - Outstanding Faculty Practitioner Award**

This award is made annually for any Faculty/Practitioner Advisor who supports ASCE student chapters and civil engineering students. The nominee must be active with ASCE Students in the St. Louis Section and must be a member of ASCE.

### **St. Louis Section Project of the Year**

This award is made annually for any engineering project that falls into the general category of civil engineering. The award is given to the owner, lead design engineer and general contractor of the project. Only engineering and construction achievements within the boundaries of the St. Louis Section are eligible. The project must have been completed and placed into operation within 5 years of the date the nomination is submitted. Basis for the Award is “an engineering project that demonstrates the greatest engineering skills and represents the greatest contribution to civil engineering progress and mankind”.

### **Professional Recognition Award**

This award recognizes the importance of professional attainment in the advancement of the science and profession of engineering and is presented annually to a Member of the St. Louis Section who has made substantial contributions to the engineering profession and the St. Louis Section.

### **Young Engineer Award**

This award recognizes professional contributions of younger members to the Society and to the Section and is presented annually to a Member of the Section who is less than 35 years of age on February 1, 2021.

*Nominations for the Award to Service People and Excellence in Journalism will still be accepted. Please see the St. Louis Section website for more details.*

*Please submit nominations to Ronaldo Luna at [ronaldo.luna@slu.edu](mailto:ronaldo.luna@slu.edu) and Michelle (Bresnahan) Romine ([Mbresnahan@lochgroup.com](mailto:Mbresnahan@lochgroup.com)). Guidelines and forms for making nominations are available on our St. Louis Section website at: <http://sections.asce.org/st-louis/awards> under the “Awards” tab or the information can be emailed or mailed to you upon request. Email [ronaldo.luna@slu.edu](mailto:ronaldo.luna@slu.edu) or [mbresnahan@lochgroup.com](mailto:mbresnahan@lochgroup.com) with questions.*

**Deadline for submittal is June 1, 2022.**

## Younger Member Group Update

**May Meeting** – Join us for our May meeting! We'll discuss new opportunities, conferences, and our upcoming Summer Social.

**Date: May 18, 2022**

**Location: John D. McGurk's Irish Pub and Garden**

**Time: 5:30-6:30 pm**

Contact Michelle (Bresnahan) Romine, YMG Chair, at [MBresnahan@lochgroup.com](mailto:MBresnahan@lochgroup.com) if you would like to be added to the email list or if you have any questions or comments regarding the YMG Update.

## YMG 2022 Calendar

Join us for our monthly meeting and happy hour! This is a great way to meet other local engineers and catch up on our upcoming events and volunteer opportunities.

\*Subject to change throughout the year

May YMG Meeting	June YMG Meeting
Wednesday, May 18, 2022	Date and Time TBD Based on Event *See our email for more details
Happy Hour at John D. McGurk's Irish Pub and Garden	Summer Social
1200 Russell Blvd, St. Louis, MO 63104	Location TBD
5:30-6:30 pm	



### *EWRI St. Louis News*

#### **EWRI ST. LOUIS MONTHLY SPEAKER SERIES EVENT**

The St. Louis Section of EWRI is pleased to announce our monthly webinar **on Thursday, May 19, 2022 from 11:30 am-12:30 pm Central Time.**

This presentation will be broadcast live over a webinar. Registration is free to ASCE members. **Advance registration is required by noon, Monday, May 16, 2022.** Please register online at the following link:

[EWRI April 2022 Speaker Series Presentation](#)

This presentation will be broadcast live over a webinar. Registration is free to ASCE members. **Advance registration is required by noon, Monday, May 16, 2022.** Please register online at the following link:

[EWRI May 2022 Speaker Series Presentation](#)

Registrants will receive detailed login and dial-in information prior to the event.

#### **Managing variety and feedback interactions to create resilient and sustainable water systems**

Water engineering is a complex problem arising from internal and external interactions across the water system components and other interconnected sectors. While proper coordination of such interactions can improve the overall interconnected systems' performance, unaddressed vulnerabilities in these interactions can also lead to a cascade of failures resulting in catastrophic disruptions. The ASCE Vision for Civil Engineering in 2025 expects a future where engineers will adopt multi-faceted, multi-disciplined, and holistic approaches for resilient and sustainable infrastructure systems. In this context, water engineers need to understand the feedback interactions' role in integrated water resources and infrastructure engineering.

#### **SPEAKER**

##### ***Dr. Sangmin Shin, Southern Illinois University Carbondale***

Dr. Shin is an assistant professor in the School of Civil, Environmental and Infrastructure Engineering at the Southern Illinois University Carbondale. He received his Ph.D. in water resources engineering from the Korea Advanced Institute of Science and Technology (KAIST) in 2015. He also served as a post-doctoral research associate in the Department of Civil and Environmental Engineering at the University of Utah (2016-2020). Within his diverse research interests, his primary research foci are understanding system diversification and decentralization and investigating feedback interactions across the water and interconnected systems for resilience and sustainability of water infrastructure.

Thank you to our joint seminar sponsors, **EDM Incorporated** and **Southern Illinois University Edwardsville (SIUE)**!

Please contact **Rohan Benjankar, PhD** ([rbenjan@siue.edu](mailto:rbenjan@siue.edu)) with any questions, if you are interested in presenting, or have an idea for a topic.



**GEO-  
INSTITUTE**  
St. Louis Chapter



### St. Louis Geo-Institute Scholarship Opportunities

The St. Louis Chapter of the Geo-Institute of ASCE is calling applications for a few scholarships. For more information regarding application, please visit [Geo-Institute Chapter](#). Please see the flyer on the next page.

**Geo-Institute St. Louis Chapter is holding elections** for new officers at next month's committee meeting. Here are the meeting details:

Date: May 19, 2022 – Thursday

Location: Bar K – 4565 McCree Avenue, St. Louis, Missouri 63110

### SuperPile 2022

Save the Date for SuperPile '22 which will be held in St. Louis, **June 15–17, 2022**. Please check the event website at <https://www.xcdsystem.com/dfi/program/2D2hmzD/index.cfm>

The technical committees of DFI and ADSC combined their industry expertise to organize SuperPile '22. This three-day conference includes presentations on the latest developments in:

- Driven piles
- Augered cast-in-place/drilled displacement piles
- Micropiles
- Marine foundations
- Testing and evaluation of foundation systems
- Seismic and lateral loads
- Drilled shafts
- Ground improvement (related to piling)
- Helical piles and tiebacks

St. Louis Chapter of the Geo-Institute of ASCE Presents

# Scholarship Opportunities!

### 1. The Mike Alizadeh Scholarship

- a. Must have graduated or will receive before July 1, 2022 a B.S. degree and have been accepted to an ABET accredited Midwestern university for graduate studies in Civil or Geological Engineering
- b. Students seeking a PHD or their undergraduate, are not eligible
- c. One or more scholarships will be awarded, with the total value being \$14,000

### 2. GeoConfluence Research Scholarship

- a. Must be pursuing a master's (thesis option) or PHD specializing in geotechnical or geoenvironmental engineering at a university within the ASCE St. Louis Section
- b. Students seeking a B.S. are not eligible
- c. Submittal deadline is June 30, 2022

### 3. Shamsheer Prakash Geotechnical Scholarship

- a. Must be pursuing a B.S. in Geotechnical or Geological Engineering in Fall of 2022
- b. Graduate and PHD students are not eligible
- c. One scholarship will be awarded, with a total value being \$1,000
- d. Submittal deadline is May 6, 2022
- e. Application and additional information can be found at <https://sections.asce.org/st-louis/geo-institute-chapter>





**GEO-  
INSTITUTE**  

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**St. Louis Chapter**



**STRUCTURAL  
ENGINEERING  
INSTITUTE**  

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**St. Louis Chapter**

# **Structural and Geo-Confluence** *CALL FOR ABSTRACTS!*

**Wednesday, November 2, 2022**  
**St. Charles Convention Center**  
**St. Charles, Missouri**

The St. Louis Chapters of the Geo-Institute (GI) and Structural Engineers Institute (SEI) are now accepting abstracts for the 7<sup>th</sup> Annual Structural and Geo-Confluence. The conference will be a multi-track, full-day event featuring technical topics and case histories presented by local and national experts. The joint morning session will be focused on topics concerning the confluence of geotechnical and structural engineering. There will be two tracks in the afternoon: one track including sessions on geotechnical engineering and geo-environmental topics and one track focused on structural engineering topics. The conference is open to all engineering and construction professionals. Last year's conference was attended by nearly 200 people located throughout Illinois and Missouri.

The planning committee is seeking speakers to provide a 30- to 60-minute presentation focused on structural engineering, geotechnical engineering, or geo-environmental topics with specific preference given to topics that overlap these focus areas. All persons are encouraged to submit an abstract to Nick Roth at [nick.roth@jacobs.com](mailto:nick.roth@jacobs.com) by July 17, 2022. Abstracts should be limited to 250 words. Once the planning committee has reviewed the abstracts, notification will be provided to the selected presenters by August 19, 2022. The submitted abstracts and presentation slides will be assembled and included in the conference publication.

Accepting abstracts, sponsorships, and exhibitors.

## ASCE Presidential Candidates Responses to Questions

### Peter M. Moore, P.E., F.ASCE, FACEC, F.FES

1. What are your plans to continue to promote the value of the Envision ENV SP credential and increase projects verified/registered?

*As an Envision Sustainability Professional (ENV SP) for more than five years, I have a vested interest in the success of the program. The LEED checklist process has been successful and we can follow a similar pathway with the ENV SP and Envision verified or registered projects. Owners can create a demand for sustainable highways, water treatment plants and parks. By putting some sustainable requirements to drive the demand in the consulting business, sustainability can be brought even further to the forefront.*

*We would work with our larger partnering organizations, like AASHTO, APWA and FHWA to build in sustainable verification into their project process, based on known life cycle cost savings. Once our partners put similar plans in place, it will be easier for the states, counties and cities to follow suit. That's a pathway to mutual sustainable success.*

2. What advice do you have to Student and Younger Members for career guidance and ASCE's role in professional development?

*Our profession is in desperate need of new talent, and it's one of the main reasons I am running for President of ASCE. From the "great retirement" as a result of COVID-19 and external factors, to the influx of new capital in the Infrastructure Investment and Jobs Act (IIJA), the demand for professionals is growing exponentially. Getting students into the right educational programs, graduating them, and molding them into practicing engineers is something I am deeply passionate about.*

*My advice to students and younger members starts with the concept of impact. Everyone has an impact on others in their lives. Most people impact their family and friends. You'll later impact colleagues and acquaintances, but the real impact is on people you've only met a couple times – or the interaction with that person you only met once, maybe someone that just needed help with a flat tire or gas money. The ultimate impact is the impact you have on people you've never even met. Civil Engineers spend their careers helping people they've never met.*

*Students and Younger Members should keep that impact at heart in all their decisions. ASCE delivers a forum for students to become younger members and for the younger members to develop the technical and soft skills to make that impact. ASCE is the community where we can come together and develop a pathway for our young professionals from graduation to retirement.*

3. What advice would you give on how to retain the involvement of life members on the Local and National level?

*Life Members are an incredible resource to ASCE and to the civil engineering profession. In Region 5, we created a Former Governor and Directors Committee that serves as an advisory committee to the Board of Governors. This group reviews Society meeting agendas and the impact to the Region, all matters relating to operating documents and bylaws and provides guidance on the strategic planning process. All of these functions are solely advisory in nature to not jeopardize the independence of the Regional board. There is also a Past Presidents council on the Utility Engineering and Surveying Institute Board of Governors, which I've served on for the past three years.*

*These two groups can serve as a model for Branches, Sections, Regions, Institutes, Committees, and the Society in relation to Life Members. Each group will have a slightly different charge for their Life Member committee, but it provides a framework for implementation.*

*Additionally, the ASCE mentoring network is in dire need of additional Mentors. Life Members are the most qualified to engage with mentees to deliver the attention that they so greatly desire. While the profession utilizes rapidly changing technology, the fundamental makeup of our business has not changed since the first human built the first bridge or aqueduct. When life members are more engaged, there is an opportunity for mutual gains for mentors and mentees.*

## Marsia Geldert-Murphy

1. What are your plans to continue to promote the value of the Envision ENV SP credential and increase projects verified/registered?

*Envision embraces and sets the standard for what constitutes sustainable, resilient, and equitable infrastructure. Which is in direct alignment with the first bullet of ASCE's code of ethics to; create safe, resilient, and sustainable infrastructure. So, yes absolutely I do support and will continue to support the application of Envision on projects and promote the credentialing. I would advocate we educate municipalities; project owners or regulatory agencies how Envision verification can help them reach their strategic planning and development goals, achieve certain types of funding, and gain public support. As President I would collaborate with the Institute for Sustainable Infrastructure to identify where the Society can act as a catalyst to advance Envision while respecting and supporting ISI's plan of action.*

2. What advice do you have to Student and Younger Members for career guidance and ASCE's role in professional development?

*Please stay engaged! My advice to student members and younger members is to make sure when you select an employer that they value your professional development and the best evidence of that is if they invest in your professional development and one easy and inexpensive way for them is to pay for your membership to ASCE. The value added technical and professional development offered by ASCE is incredible and I can personally say I would not have accomplished all that I have during my career without ASCE. I would also recommend seeking out mentors and more than one. A mentor at your university or company is important to help you navigate those unique systems and a mentor outside of your current environment is important to help expand your horizons. ASCE offers members the Mentor Match platform to help you find a mentor matching your needs. The benefit of being an ASCE member is that becomes your constant home, while you may change places of employment or even disciplines ASCE is your home base. I have made lifelong friends and colleagues through ASCE. I cannot properly quantify the value of the mentoring I have received throughout my career through ASCE. And those mentors become your raving fans throughout your career because they are invested in your success. In addition to technical and professional development ASCE is also a great source of fun. Our leadership training conferences, conventions, and assemblies are always fun as well as career enhancing. When I use #ASCEMADEME on social media I mean it. I have been blessed to have an amazing career and ASCE has been a critical aspect and constant of my trajectory all along the way.*

3. What advice would you give on how to retain the involvement of life members on the Local and National level?

Membership retention is an important charge for the leadership of ASCE. And we must retain both our life members and younger members. The culture and tradition I grew up in holds elders in high regard for their wisdom—they are valued for being the bridge between the past and the present. I think we can do a better job bridging our past and present and encouraging engagement of members at both ends of the career spectrum. Leadership training and mentoring are important for younger members' professional and technical development and life members have great institutional and technical knowledge that would be valuable to share more broadly with our younger members. I would like to see a collaboration with the elders of our society our life members and our younger members, what an amazing opportunity to bridge the past and the present. Which benefits both life members and younger members. I see this most effectively achieved through the local geographic units. It would be nice to pair new members in the area with a life member to help them navigate the membership activities, traditions and have someone to attend and network with, it would also encourage both members to stay more engaged.

## Illinois Section Unveils State Report Card

On April 28<sup>th</sup>, the ASCE-IL Section hosted a press conference and reception revealing the 2022 Illinois State Infrastructure Report Card. The St. Louis Section comprises of 5 counties in Illinois. Past-Presidents Jordan Pettibone and (Society President-Elect candidate) Marsia Geldert-Murphey attended the reveal at Chicago's Union Station. The overall Grade for the state is C-, same as in 2018.



ASCE-IL Section Andy Walton reveals IL State Report Card



## WATER SEMINAR



**Monday,  
May 2**

**Noon - 1 p.m.**  
Room 121  
Butler-Carlton Hall

MISSOURI  
**S&T**

Civil, Architectural  
and Environmental  
Engineering

# Sacramento River Erosion Protection Design Considerations

**Lacey Venhaus and James Wallace**  
U.S. Army Corps of Engineers, St. Louis District

**Zoom Link:** <https://umsystem.zoom.us/j/93621165752>  
**Meeting ID:** 936 2116 5752 | **Passcode:** 210535

Greater Sacramento, California, is often considered to be the most at-risk region in America for catastrophic flooding, relying on an aging system of levees, weirs and bypasses and Folsom Dam to reduce its flood risk. The U.S. Army Corps of Engineers is partnering with local agencies to further reduce the flood risk. Through the Bipartisan Budget Act, the Corps has received full funding to implement nearly \$1.8 billion in upgrades to Sacramento's flood risk management system. The authorized work includes up to: 13 miles of seepage cutoff walls, 21 miles of bank protection, 5 miles of levee stabilization, 5 miles of levee raises and widening the Sacramento Weir and bypass. The St. Louis District has a major role in engineering these improvements, with significant focus on 1D and 2D HEC-RAS modeling, scour/rock sizing, erosion protection design development and mitigation features, and slope stability analysis.

## SPEAKER BIOS

**Lacey Venhaus** graduated from Southern Illinois University Edwardsville (SIUE) in August 2014 with a bachelor's degree in civil engineering. She started her career with the Corps as a student working in Dam and Levee Safety. Upon graduation, she was part of the Corps' Intern Program in which she had the opportunity to rotate throughout the different engineering branches to find her niche including: geotechnical, civil, construction, environmental, operations, and finally hydraulics and hydrology, where she continues to work to this day. As part of the hydraulic design section she has worked on a variety of projects from navigation and flood control to environmental habitat restoration to flood fighting and dam and levee safety. During her career, she was also supported in completing her master's degree in civil engineering remotely from Mississippi State University. Lacey and her husband reside in rural Illinois and spend most of their free time chasing around their three young boys.

**James Wallace**, P.E., is a hydraulic engineer at the U.S. Army Corps of Engineers. Wallace received his bachelor's degree in civil engineering at Southern Illinois University Edwardsville in 2008. He has 14 years experience as a river engineer and has worked on a variety of small and large rivers including a 1.5 year detail as chief of the hydraulic design section. James was the lead hydraulic engineer on several Upper Mississippi River Ecosystem Restoration projects as well as small stream restoration projects for the USEPA. He has also worked on multiple design projects for the Regulating Works project supporting the District's Navigation mission.

## Employment Opportunities



11166 TESSON FERRY ROAD – SUITE 100  
ST. LOUIS, MO 63123-6966  
Office: (314) 729-7600  
Web: <https://design9.com/>

### About Opportunity

Design Nine, Inc (DNI) is currently looking for **co-op/intern and full-time drafting and engineering candidates** with a focus or experience in surveying, drafting, transportation, and or structural disciplines.

### About Position

DNI is looking for highly motivated candidates(s) interested in assisting in advancement of railroad related projects from conception to construction. The railroad industry is fast paced where projects are conceived, developed, and constructed on an accelerated timeline to meet the ever-changing market demands and growing economy. DNI has an established history of hiring drafting and engineering candidates who are considering a new or continuing a career path with a structural, transportation or general civil focus or discipline. Previous education and experience in the railroad industry is not required as much of our practice is hands-on skills that will be taught by our staff on a project-by-project basis. Our small office setting allows for ample opportunity for an inquisitive candidate to expand their knowledge and experience in problem solving and accomplishing their assigned tasks in an environment where daily interaction, technical resources and guidance is readily accessible. Prior knowledge or basic experience in AutoCAD, MicroStation or a drafting software is preferred.

### About Design Nine, Inc.

Design Nine, Inc. is an engineering firm comprised of railroad engineers and support staff uniquely focused on providing surveying, transportation, structural and project management engineering services to railroads and industries served by railroads. Our firm is unique for the industry we serve and how we serve our clients. Our staff is fully engaged in all aspects of a project from early on when a project is conceived by a client, through the topographic location survey and into the final design and award to a contractor. Our services routinely continue in providing construction staking of the design and project management and oversight of the construction efforts until final acceptance.

### About Resume Contact

Michael Atzert, P.E.  
Project Engineer  
[mpatzert@design9.com](mailto:mpatzert@design9.com)



# Now Hiring

## Structural Engineer

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We are currently seeking a Structural Engineer, with a minimum of 3 years experience, interested in joining our St. Louis Office.

If you are interested, please visit our website or contact our local office.

[www.abs-group.com/Careers-at-ABS-Group/](http://www.abs-group.com/Careers-at-ABS-Group/)



55 Westport Plaza  
Suite 700 St. Louis, MO 63146  
Tel: 314-819-1550 Fax: 314-889-1551  
[www.abs-group.com](http://www.abs-group.com)

# Join the Prairie Team



*Prairie Engineers is a team of forward-thinking engineers, surveyors, and scientists solving problems for agencies that improve and preserve public works across the United States. Since our founding in 2010 we have developed expertise in delivering quality products, built a strong network of teaming partners, and instilled a responsive “can do” culture in our firm. These attributes are just a few examples of what continues to set us apart as a small business delivering big results.*

## Generous Benefits



### Flexible work arrangements.

We accommodate the non-traditional. Have a non-routine schedule? Want a part-time professional position? Need a personal leave of absence? Or want to work from home or a office/home hybrid? Talk to us - we can try to make that work.



### Ample time-off.

We give 160 hours of PTO to staff with under 10 years of experience and 200 hours of PTO to those over. In addition, we'll give you an extra 8 hours for every 5 years with our company



### Paid premium overtime.

The first 80 hours of overtime goes into a comp time bank which you can use as additional paid time off. If you work more overtime than that, we pay 1.5x your hourly pay rate. Not just for entry-level positions, but for most professional positions.



### A bonus that rewards your efforts.

We want people who will work hard with a “can-do” attitude and give our clients top notch service, and we expect to reward you for that effort! We distribute approximately half (yes, half!) of our post-tax profits in our bonus program.



### Robust benefits package.

A fully paid health insurance premium combined with an HRA for your annual deductible pays 100% of your routine and minor healthcare costs. Plus, life, AD&D, short term and long term disability – with all insurance effective on day 1 of your employment. A 401k that doesn't require a match – you'll get 3% AND the freedom to invest your money how you want.

## CURRENT OPENINGS

Structural (Bridge) Engineer  
Mid-Level Transportation Engineer  
Senior Transportation Engineer  
Mid-Level Water Resources Engineer  
Senior Water Resources Engineer

**Apply Today**  
[prairieengineers.com](http://prairieengineers.com)





## NTT Professor of Practice - Engineering

The School of Engineering in Parks College of Engineering, Aviation and Technology at Saint Louis University seeks dynamic, collegial, collaborative, and creative applicants for a full-time, non-tenure-track instructor to join our first-year engineering team. Applicants should be interested in developing and delivering engaging, hands-on learning experiences to undergraduate engineering students in a team-oriented, student-focused environment. Faculty appointments are targeted for the instructor level; however, candidates with exceptional qualifications will be considered for appointment at a higher level. We particularly seek faculty members with background and experience performing engineering in industry settings. This grant-funded position will focus on instilling entrepreneurially minded learning in our undergraduate engineering students.

**Apply Online:** [https://slu.wd5.myworkdayjobs.com/en-US/Careers/job/McDonnell-Douglas-Hall/NTT-Professor-of-Practice\\_2021-02181](https://slu.wd5.myworkdayjobs.com/en-US/Careers/job/McDonnell-Douglas-Hall/NTT-Professor-of-Practice_2021-02181)

### Responsibilities:

- Develop and deliver engineering design and introductory engineering courses in support of the college's undergraduate teaching mission
- Create engaging and relevant experiences to develop entrepreneurially minded engineers
- Collaborate with other faculty members to innovate dynamic new learning experiences for diverse students
- Mentor undergraduate students
- Collect data and conduct assessment of learning outcomes
- Participate in departmental and college service

### Minimum Qualifications:

- An earned bachelor's degree in engineering or a closely related field
- Demonstrated potential for excellence in teaching

### Preferred Qualifications:

- An earned master's degree in engineering or a closely related field
- Expertise in teaching introductory engineering courses or engineering design
- Relevant industry experience

**Saint Louis University is a Catholic, Jesuit institution dedicated to student learning, research, healthcare, and service.** Parks College of Engineering, Aviation and Technology, founded in 1927, offers academic programs of excellence that integrate the education of the whole person with classroom and hands-on experiences in the major field of study. Laboratory coursework and undergraduate research are hallmarks of the student learning experience at Saint Louis University. The college offers ABET accredited bachelor's degree programs in Aerospace, Biomedical, Civil, Computer, Electrical and Mechanical Engineering, and AABI accredited bachelor's degrees in Flight Science and Aviation Management. M.S. and Ph.D. programs in engineering and aviation are also offered.

Saint Louis University is an equal opportunity/affirmative action employer. All qualified candidates will receive consideration for the position applied for without regard to race, color, religion, sex, age, national origin, disability, marital status, sexual orientation, military/veteran status, gender identity, or other non-merit factors. We welcome and encourage applications from minorities, women, protected veterans, and individuals with disabilities (including disabled veterans). If accommodations are needed for completing the application and/or with the interviewing process, please contact Human Resources at 314-977-5847.

# Positions available at EDM

## **Accountant Position**

A St. Louis design firm has an opening for a full-time accountant. Salary is commensurate with experience.

### **Some of the Responsibilities include:**

Providing financial and project reports for management, Maintaining all corporate financial records, Maintaining project management system including cost accounting and progress reporting, Maintaining personnel records and payroll, Preparing invoices, Supervising account receivables collections.

### **Accountant Qualifications:**

Self-starter capable of working independently.  
Experience with all aspects of Architectural/Engineering firm accounting  
Good communication skills – internal and external  
Skilled in using MS Excel, MS Word and Deltek Vision accounting software.

### **Education, Experience, and Licensing Requirements:**

Bachelor's or master's degree in accounting or finance  
Minimum 5 years' experience in accounting/finance

Must be a U.S. citizen or lawfully authorized alien worker.

## **Marketer Position**

A St. Louis design firm has an opening for a full-time Marketer. Salary is commensurate with experience.

### **List of some of the Responsibilities**

Responsible for the preparation, design and coordination of RFQ/RFP responses.  
Participate in RFQ strategy planning, including screening RFQ for unusual or challenging requirements.  
Create, organize and update all marketing/business development materials, including overviews, project description pages, staff resumes, advertisements, social media releases/posts, and project award applications.  
Accountable for final quality check/proofreading of grammar and compliance for all responses and marketing material.

### **Qualifications**

Associate's or Bachelor's degree in Communication, Marketing, Journalism or related field.  
Software experience with InDesign, Photoshop, and MS Office Suite, especially Excel, Word and PowerPoint.  
Possess strong verbal, written and graphic communication skills.  
Experience with SF330 forms is a plus. A similar position with a firm in a related field (architecture/engineering/construction/real estate) is desired, but if not, willing to learn all facets of AEC marketing.

The firm is an employee-owned equal opportunity employer. For immediate consideration, email your resume to Gholam Masoumy, President, EDM, at [Gholam.masoumy@edm-inc.com](mailto:Gholam.masoumy@edm-inc.com).

At DMA, we engineer the foundations of communities. Our business is to create and preserve the Nation's infrastructure. We design and assess highways and bridges, buildings, sewers and tunnels, and electric and gas networks used by millions of Americans every day. We work on iconic projects – international airports, national monuments, universities, hospitals and medical campuses, sports stadiums, and so much more.

Our family-first and hard-working culture stretches far beyond the name of Mason. We believe everyone works together, an "all oars in the water" approach to help everyone succeed. Our team members are like extended family and we collaborate to serve our customers with integrity.

**We are energized by the challenge and inspired by our people.**

## CURRENT OPENINGS (St. Louis Office)

Benefits package includes health, dental, life, long-term disability, and long-term care insurances, 401k, holidays, PTO and every other Friday OFF.

**STRUCTURAL PROJECT MANAGER** - Minimum 10 years of experience; Licensed PE or SE; Bentley RAM Modules, RISA 3-D and L-Pile. Knowledge with using AutoCAD and REVIT is a plus.

**STAFF STRUCTURAL ENGINEER** - Minimum 5-8 years of experience; RISA, RAM, L-Pile, AutoCad software is required. REVIT experience is a plus.

**CIVIL STAFF ENGINEER** - Minimum 2 years of experience; AutoCAD-Civil3D and exposure to engineering modeling software such as HEC-HMS, HEC-RAS, preferred; requires an Engineering Intern (EI) Certification with intentions of pursuing and obtaining a Professional Engineering (PE) License.

**CIVIL ENGINEERING CAD DESIGNER** - Minimum 5-8 years of experience; AutoCAD / with a focus on civil engineering design. Experience should include site layout, grading, drainage and utility design projects. Civil 3D experience preferred. A working knowledge of Microstation is a plus.

**DRAFTER/DESIGNER – ELECTRICAL UTILITY** - Minimum 5-10 years of experience; knowledge of Bluebeam and a proficiency for Bentley MicroStation, AutoCAD, and/or comparable applications; working knowledge in utility, transmission, and power distribution applications, associated with the design modification of schematic, wiring and interconnect diagrams.

For all career opportunities at DMA, and to apply, visit: [davidmason.com/careers](http://davidmason.com/careers)

 Health	 Dental	 Life	 Long-Term Disability	 Long-Term Care	 401(k) Option
 Great Culture + Team	 Professional Growth Opportunities	 Family Environment	 Every Other Friday Off	 Equal Opportunity Employer	

St. Louis | Chicago | Philadelphia

[davidmason.com](http://davidmason.com)



## Lochmueller Group has great opportunities for Structural Design or Bridge Engineers to join our team!

This is an excellent opportunity to join a growing firm and immediately put your design skills to work on a variety of projects, including highways and bridges for various local public agencies and state DOT's, miscellaneous structural design elements to support other business units, and design-build pursuits.

Candidates must have a Bachelor's degree in Civil or Structural Engineering and be registered as a Professional Engineer; Structural Engineer registration is a plus. **Project Engineer candidates will also have a minimum of 5 years of experience in bridge and structural design.** The position responsibilities include:

- Develop calculations as necessary for structural engineering components on projects.
- Assist CAD technicians to develop structural plans and develop construction specifications for state and municipal transportation projects.
- Perform structural design and develop details as related to roadway bridges, various types of retaining walls, culverts, miscellaneous reinforced/prestressed concrete and structural steel design.
- Act as part of a team of professionals headed by a Project Manager. Candidates must be able to work independently or as part of a larger design team and interact well with the manager and other members on various aspects of the project.
- Prepare cost estimates, calculate quantities, and assist in writing technical engineering and design reports.
- Utilize various structural design and rating software, spreadsheets, and drawing packages (Microstation or AutoCAD) to design and analyze structural components.
- Visit job sites as needed to support projects.
- Perform other duties as assigned.

Experience with Missouri and Illinois DOT projects and/or local agency projects is preferred, as is an understanding of the policies and procedures of these agencies. Proficiency with Microsoft Office products including Excel, Word, and PowerPoint required. Previous experience utilizing seismic analysis and design is also preferred.

**Project Manager or Team Leader candidates should have a minimum of 10 years of experience including** five or more years managing project budgets and financial performance; work assignments for the team; project schedules; and client communications and management. In addition, experience with project pursuits and procurement is strongly desired, including team building; cost estimating; scope development; and proposal writing or presentation.

We also accommodate work-from-home hybrids (depending on experience and assignment specifics), though periodic engagement with various team members is required.

**Benefits:** Lochmueller Group is now an Employee-Owned Company, and we would be excited to have you to join our talented group of employee-owners! In addition to our ESOP, we provide a 401(k) plan, rich coverage for major medical insurance, basic life insurance, short-term and long-term disability insurance, generous vacation and sick leave, Student Loan Repayment benefit, and several others.

**CARDIA:** Means "from the heart" and it is what our values and culture represent here at Lochmueller Group. Creativity; Accountability; Respect; Dedication; Integrity; Achievement – that is what sets us apart from the others!

Check us out at [www.lochgroup.com](http://www.lochgroup.com) or submit your resume to: [jkelly@lochgroup.com](mailto:jkelly@lochgroup.com).

## Structural Engineer position at Special Inspections and Design

### **DESCRIPTION**

We are seeking an experienced Structural Engineer (5+ years experience) for an opportunity to work on a wide variety of projects. The position will be based out of our Collinsville, IL office. You will be responsible for analysis and design of structural systems and components using structural steel, concrete, masonry, wood, and light gage steel. Your duties will include preparation of construction and repair drawings, demolition plans, visual structural inspections, report preparation, and construction review.

### **QUALIFICATIONS**

Qualified candidates must have:

- BS in Civil Engineering (MS is a plus).
- PE license (SE is a plus).
- Minimum 5 years experience.
- Working knowledge of structural engineering software (RISA is ideal).
- Working knowledge of IBC and other national standard codes.
- AutoCAD proficiency is a plus.
- Good written and oral communication skills.

### **TO APPLY**

Please send resume and any questions to Ashlee Peno at [ashleepeno@SIDengineers.com](mailto:ashleepeno@SIDengineers.com)

For more information about our company please visit [www.SIDengineers.com](http://www.SIDengineers.com)

# CIVIL DESIGN, INC.

## WHO WE ARE

At CDI, we strive to help our clients create quality infrastructure while also contributing positively to our communities. Our culture is centered around a fundamental commitment to **Building Stronger Communities**, meaning our team of passionate individuals is dedicated to revitalizing the spaces that contribute to our daily lives. Since its founding in 1996, CDI has grown to over 80 team members with 35 engineers and six services, including **Infrastructure + Analytics, Site, Structures, Survey, Transportation, and Water Resources**.

## JOIN OUR TEAM!

### Water Resources Leader

Effingham, IL | Louisville, KY | St. Louis, MO

### Experienced Structural Engineer

St. Louis, MO | Louisville, KY

### Site Project Engineer (Mid-Level)

Louisville, KY

### Programming Engineer

St. Louis, MO

### Professional Land Surveyor

Louisville, KY

### Senior Water Resources Project Engineer

St. Louis, MO

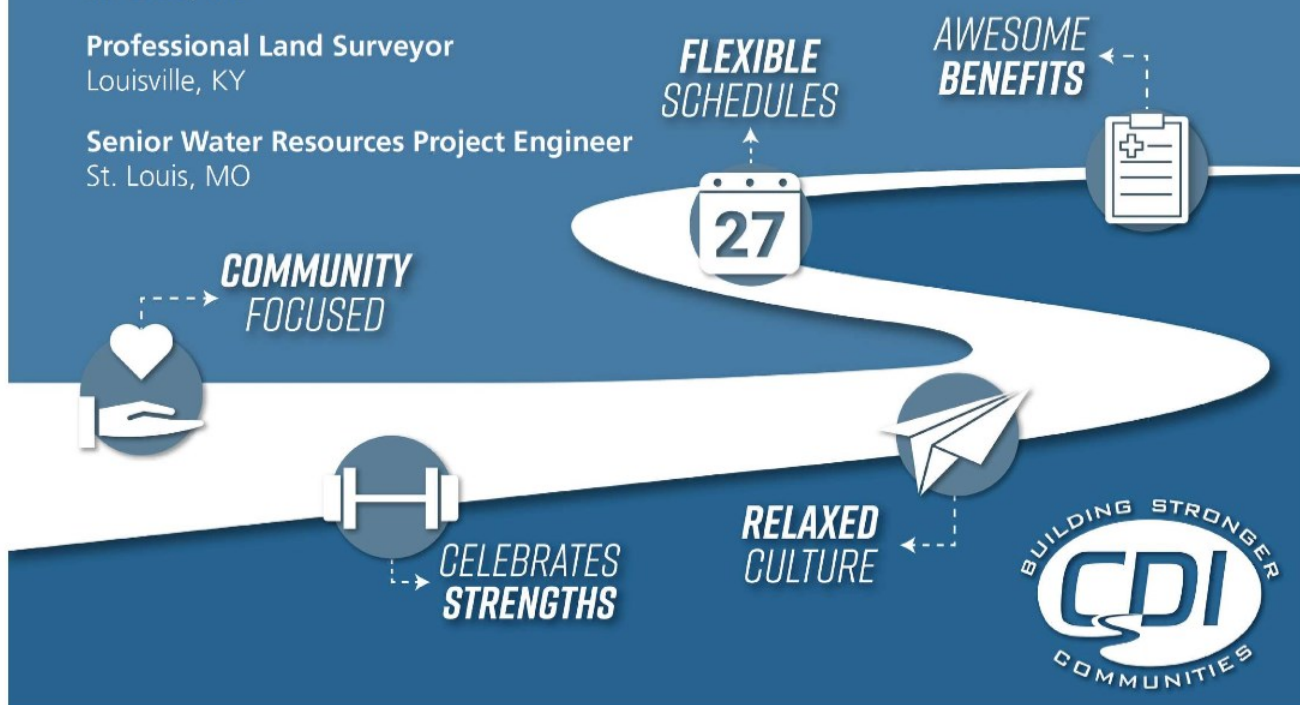
## OUR VALUES

PERSONAL OWNERSHIP

MUTUAL TRUST & RESPECT

CONTINUOUS LEARNING & GROWTH

RESPONSIVENESS



LEARN MORE OR APPLY AT [WWW.CIVILDESIGNING.COM](http://WWW.CIVILDESIGNING.COM)



# WE'RE HIRING

## DESCRIPTION

The right candidate is a degreed engineer with experience with industrial and/or bridge projects. Duties will include preparation of design drawings, specifications, and reports, as well as generating studies and cost estimates. Successful candidates should have experience designing industrial and/or bridge structures using applicable codes (IBC, AASHTO, ASCE-7), as well as material design codes (AISC, ACI concrete, ACI masonry, etc.). Proficiency using finite element software (STAAD, RISA), CAD, and spreadsheets is required. Individual shall be self-motivated, able to manage time effectively, and able to stay within defined project budgets and work scopes. Good people skills are necessary to work collaboratively as part of a design team and to communicate with clients, other project personnel, and management.

This individual should also be able to work independently and collaboratively. Good people skills and willingness to travel (on occasion) are a must.

## REQUIREMENTS

- B.S. Degree with Emphasis in Structural Engineering
- Licensed Professional Engineer or Ability to Become Licensed
- 3-10 Years of Relevant Experience

## CULTURE

- Fun, Collaborative Work Environment
- Challenging & Fulfilling Projects Across Multiple Markets
- Professional Development & Networking Opportunities
- Tuition Reimbursement

## HOW TO APPLY

Please visit <http://www.cdgengineers.com/careers/> or email your resume to [careers@cdgengineers.com](mailto:careers@cdgengineers.com).

*CDG Engineers, Inc. is an Equal Opportunity Employer and does not discriminate on the basis of race, religion, color, national origin, age, sex, gender, disability, genetic information, or any other characteristic protected by law.*

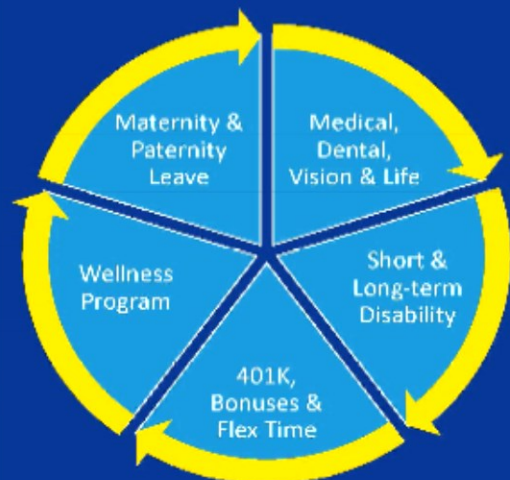
## STRUCTURAL ENGINEER



**CDG's greatest strength is our culture of commitment to the brightest people**

CDG is looking for a degreed structural engineer to join our St. Louis, MO office. CDG is a multi-discipline consulting engineering firm headquartered in St. Louis. The firm has approximately 80 personnel with capabilities in civil, structural, mechanical, electrical, and architectural disciplines primarily servicing the fields of infrastructure, power, mining, industrial, and agriculture. CDG is known for solving some of the most complex problems in challenging environments and our staff is expected to regularly engage in high level problem solving to enable our clients to be successful.

## BENEFITS





## **Civil Engineer/E.IT or P.E – Competitive – Wentzville, Missouri**

### **The Role**

Are you an innovative civil engineer with project management experience? If so, Cochran Engineering, one of the largest engineering firms in St. Louis, are looking for a Civil Engineer/E.IT or P.E.

The successful candidate will perform as a project manager, supervising the execution of work and ensuring that the firm maintains its high quality standards.

The key responsibilities of a Civil Engineer/E.IT or P.E include, but are not limited to:

- Performing engineering design.
- Preparing technical reports.
- Building and maintaining positive external relationships with clients, and internal relationships with colleagues.
- Providing direction, coordination, quality assurance, and quality control to engineering colleagues.
- Leading by example, operating with integrity and sound business principals.

### **The Company**

Cochran Engineering is an established, multi-location civil engineering and land surveying firm currently ranked among largest engineering Firms in the St. Louis area by the St. Louis Business Journal.

With 60 years' experience, we are dedicated to building long-lasting client relationships and have an outstanding reputation for superior customer service.

### **The Benefits**

- Simple IRA with 4% Company Match.
- Company paid medical, dental, vision, life and long term disability Insurance.
- Flexible benefits plan.
- Paid vacation/sick time and holidays.
- Professional development training.
- Competitive salary, commensurate with experience.
- Relocation package may be available for this position.

### **The Person**

The essential skills and qualities of a Civil Engineer/E.IT or P.E:

- E.I.T. or P.E. in the State of Missouri.
- 3 to 5+ years' experience in Civil Design.
- Bachelor's Degree – Civil Engineering.
- Proficiency with AutoCAD and Civil 3D.
- Project management skills.
- Areas of expertise may include but are not limited to: roadway, site design, commercial design, water and sewer, and/or residential development.
- Experience with design of hydraulics, hydrology, grading and overall site development is desired.

If you are interest in joining this forward-thinking company, please submit your resume to [msample@cochraneng.com](mailto:msample@cochraneng.com).





**Job Title: Roadway Engineer**

**Location:** Chesterfield, MO

EDSI has an immediate opening for a full time Roadway Engineer with 4-10 years of experience. The ideal candidate will have a strong interest in detailed design work as well as the ability to interact with clients and contractors. Responsibilities include a broad range of planning and design tasks such as roadway design, roadway rehabilitation, ADA compliant designs, bike and pedestrian trail design, traffic signal design, geometric layout, drainage/hydraulics and quantity development. The position requires competent skills to complete feasibility reports and prepare conceptual, preliminary and construction plans and bid documents for a variety of public and private clients.

Requirements include a B.S. in Civil Engineering from an ABET-Accredited University, Professional Engineer License or plan to obtain a P.E. License, proficiency in AutoCAD Civil 3D and GeoPak, an understanding of construction and bid documents including project specifications and strong technical writing, analytical and communication skills.

**Job Title: Engineering CAD Technician**

**Location:** Chesterfield, MO

EDSI has an immediate opening for a full time Civil Engineering CAD Technician. The ideal candidate should have 3-5 years of experience in design drafting of transportation related projects. Responsibilities include assisting both project managers and engineers with the design and layout of engineering drawings, development of engineering details, preparation of conceptual layouts for highway, roadway and street projects including drainage design, intersection layouts and utility location.

Job Requirements:

- Proficient in AutoCAD, and/or MicroStation design and drafting software
- Work independently, plus the ability to coordinate effectively with multi-disciplined project teams
- Ability to read construction and engineering documents
- Possess workload management skills to meet deadlines
- Detail-oriented

**Job Title: Structural/Bridge Engineer**

**Location:** Chicagoland

Engineering Design Source, Inc. (EDSI) is a vibrant Civil Engineering and Surveying Firm. We are currently expanding our Bridge Department and are looking for a Structural/Bridge Engineer to join our team in Chicagoland. The qualified applicant will have a minimum of 4 years of structural design experience and be a registered PE. Licensure as an SE is beneficial. The main focus of the applicant's experience should be bridge design. The ideal applicant will have experience successfully completing State Department of Transportation projects. The applicant shall be proficient in the completion of structural calculations and preparation of plans and specifications from the preliminary design phase through final PS&E documents. Strong communications skills and technical writing abilities are required. Computer capabilities for structural design and drafting are required. The ability to successfully collaborate and work as an integral member of a professional design team are required.

Requirements of Position:

- Location: St. Louis, MO (Remote work or in office)
- Licensing: PE (minimum), SE (beneficial)
- Experience: 4 years (minimum)
- Education: BSCE (accredited, minimum)
- Computer Program Proficiency (minimum): LEAP Bridge Concrete CONNECT, LPile, Excel, MicroStation V8i, Word, PowerPoint

Please send resume to: [Hiring@engdesignsource.com](mailto:Hiring@engdesignsource.com) <http://engdesignsource.net/>



## **JOB OPENINGS**

Horner & Shifrin, Inc. is currently looking for candidates to fill the positions of:

**CAAD Technician (Structural Bridge)**

Associate in Applied Science degree in Drafting Technology, St. Louis

**Project Manager (Water/Wastewater)**

7+ years' experience in drinking water, wastewater and/or storm water design

**Electrical Engineer**

5+ years' experience, knowledge of the National Electrical Code, St. Louis

**Project Manager (Structural Building)**

10+ years' experience, LPE, proficient in AutoCAD, Revit Structure & Ram Structural System

**Project Manager (Transportation)**

10+ years' experience, knowledge of GEOPAK SS4 or Civil 3D, Poplar Bluff, MO Northwest Arkansas

**Project Manager (Transportation)**

10+ years' experience, knowledge of GEOPAK SS4 or Civil 3D, Poplar Bluff, MO

**Engineer (Transportation)**

Entry-level, EIT certificate preferred St. Louis

**GIS Analyst**

5+ years' experience, BS in Geography Computer Science or related field, St. Louis

**Project Engineer (Transportation)**

5+ years' experience, proficient in MicroStation and Geopak SS4, Chicago or St. Louis

Please visit our website at [www. https://www.hornersshifrin.com/careers/](https://www.hornersshifrin.com/careers/)

## Submit items to the newsletter...

Please send all announcements for placement in the newsletter to the Newsletter Editor by the **20<sup>th</sup> of the month prior to the month of publication**. Items may be sent via e-mail to Brent Vaughn (ASCE newsletter editor) at [brent.vaughn.asce@gmail.com](mailto:brent.vaughn.asce@gmail.com).

**MS Word files are the preferred file type**, especially where there are multiple hyperlinks and the formatting and graphics are relatively simple. Floating text boxes, floating images and embedded tables frequently cause formatting problems, so please avoid those. PDFs are welcome to show the desired end result and can be more useful where the doc contains lots of graphics content and just one hyperlink, but text and image sharpness may degrade since we will likely need to insert the doc as an image. (I may be able to insert the PDF, but the formatting typically does not convert well.) I will be delighted to work with you to get the best end-product for the newsletter.

For multiple page announcements, please provide a single-page flyer, concisely worded, with links provided to ancillary pages such as registration forms or other attachments. Also, please clearly include in the email subject line a concise title for the announcement and desired month(s) of publication.

Most news items will be available on the Section's Web Page, which can be reached via the link on ASCE National Website ([www.asce.org](http://www.asce.org)). Click on "Geographical and International Units" to link to the Section or go directly to our page at: <http://sections.asce.org/st-louis/>. The Section's Website Editor is Jeff Smith e-mail: [JESmith@HNTB.com](mailto:JESmith@HNTB.com) or via feedback directly from our website.

For more information and updates see our Web Page: <http://sections.asce.org/st-louis/>

This newsletter will be sent to all Section members via e-mail. Delivery of the newsletter hardcopy by First Class mail will be made upon request. Members have the responsibility to keep their contact information in the ASCE national database up to date. Please note that the St. Louis Section is only provided with members' PRIMARY information on file at the Society level. To ensure that we can contact you, please edit your PRIMARY information to contain the information where you would like the section to contact you and how you would like your information to appear in our annual roster.

**Please be sure to keep your PRIMARY contact information up-to-date by contacting ASCE at <http://www.asce.org>, or call 800-548-ASCE (2723).**



**ASCE – St. Louis Section  
c/o The Engineering Center  
4359 Lindell Blvd. St. Louis, MO 63108**