



### Engineers' Week Events

The ASCE St. Louis Section is participating in the following events in recognition of [Engineers' Week 2022](#):

#### 2022 Engineers' Week Luncheon

hosted by

**The Engineering Center**

Tuesday, February 22

<https://www.engineeringcenter.org/luncheon>

#### Career Fair

hosted by

**The Engineering Center**

Friday, February 25

<https://www.engineeringcenter.org/career-night>

Our Section is also planning to participate with our photo exhibit of historical landmarks and other significant civil engineering projects at the

#### SciFest Expo

at the

**Saint Louis Science Center**

Saturday, February 26

Please plan to stop by to tour this [free event](#) and share your insights into the field of civil engineering with the general public.

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#### February

- 11 Geo-Institute St. Louis Chapter Meeting
- 17 EWRI February Speaker Series

#### March

- 8 ASCE March Luncheon
- 11 EWRI Water, Water Everywhere



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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## President's Message



Well, winter has finally arrived and many of us have finally dug ourselves out of the large snow event we received the first few days of February. Punxsutawney Phil saw his shadow, so we're in for six more weeks of winter. However, according to the National Oceanic and Atmospheric Administration (NOAA), Phil has only been right about 40% of the time over the last 10 years. Good thing that as engineers, we have more scientifically proven ways of doing our work, eh? Besides this fun tradition and Valentine's Day, February is also known for being Black History Month and for National Engineers' Week, which occurs annually the last week of February.

Black History Month reminds us to recognize the important contributions to our country that have been made by African Americans throughout our history. As civil engineers, we celebrate the historical significance of pioneers of our profession, such as Howard P. Grant, who became the first known Black member of ASCE in 1948, and who also was the first Black student to graduate from the Berkely College of Engineering, among other achievements. Learn more at ASCE's Twitter page at [LINK](#), and learn more about the accomplishments of some other historically significant African American civil engineers at the ASCE-Oregon Section's website at [LINK](#).

ASCE's [Code of Ethics](#) outlines our duties to Society, which include the duties "to acknowledge the diverse historical, social, and cultural needs of the community, and incorporate these considerations in their work" and "to treat all persons with respect, dignity, and fairness, and reject all forms of discrimination and harassment", among other duties. In this spirit, ASCE has developed a Diversity Equity and Inclusion (DEI) Best Practices page to help facilitate a more just, equitable, and inclusive profession. This resource is accessible [here](#).

We also look forward to celebrating National Engineers' Week February 20-26. As highlighted in ASCE's [Discover Engineers' Week 2022](#) page, Engineers' Week is a time to "Celebrate how engineers make a difference in our world; increase public dialogue about the need for engineers; and bring engineering to life for kids, educators, and parents." Taking an active role in promoting our profession through involvement in ASCE or other professional organizations is a great way to do this. There are many committees you can get involved with – I included this in last month's message, but here again is a link to our [Section Handbook](#), which describes the roles and responsibilities of all of the different committees within our Section. Reach out to me or the committee chairs if you're interested in getting involved.

This year, our Section is once again supporting the Engineering Center of St. Louis [Engineers' Week](#) activities, including participation at the Engineers' Week luncheon on Tuesday February 22 and Career Fair on Friday February 25. We hope to see ASCE Section members and other members of the St. Louis engineering community at these events!

Have a great month!

Yours truly,

John Weiland

## Younger Member Group Update

Contact Michelle Bresnahan, 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.

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## Geo-Institute St. Louis Chapter Updates

Next meeting: February 11, 2022 at 7:30 AM via Microsoft Teams. Contact Travis Kassebaum (Travis.Kassebaum@terracon.com) for the meeting invite if you wish to attend virtually.

Be on the lookout for the call for abstracts for the Case Histories event coming in April of 2022. The committee is in the process of selecting a date and venue. Once that has been established, the call for abstracts will be sent out.

The committee's scholarship applications will be sent out in the spring semester to the regional universities.

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## ASCE March 2022 Luncheon

You're invited to the ASCE monthly luncheon on March 8, 2022. The monthly luncheon has returned to an in-person format, which will also be available virtually.

**[Please click here to sign up!!!](#)**

## The City's Northern Gateway: Burlington's Bridge at Bellefontaine

### Abstract:

This presentation will cover "The City's Northern Gateway: Burlington's Bridge at Bellefontaine," sharing a history of the first railway bridge's construction over the Missouri River at St. Louis, 1892-94, using dozens of photos to reveal the process.

### Presenter:

David Lobbig - Curator of Environmental Life, Missouri Historical Society

### About the Presenter:

Interpreting the relationship between the natural environment and community is central to David's role in curating environmental history. Through the Missouri Historical Society's artifacts, he builds collections and exhibitions that communicate how historic and present-day decisions affect dynamic environmental change. His research examines the impact of exploitation and manipulation of resources on the biotic community, engaging the public with equitable solutions for a sustainable society.



## *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, February 17, 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, February 14, 2022**. Please register online at the following link:

[EWRI February 2022 Speaker Series Presentation](#)

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

#### **USGS StreamStats--A look behind the curtain**

The U.S. Geological Survey (USGS) maintains and operates more than 8,200 continuous streamgages nationwide. Additionally, streamflow statistics and basin characteristics are most often needed at ungaged locations (locations without streamgages) for which published streamflow statistics and basin characteristics do not exist. Missouri StreamStats and the Missouri urban application of StreamStats are web-based geographic information systems created by the USGS in cooperation with the Missouri Department of Natural Resources and the St. Louis Metropolitan Sewer District to provide users with access to an assortment of tools that are useful for water-resources planning and management. The StreamStats system is a web-based interface that is supported by nationally available geospatial data that is conditioned to allow for rapid delineation of drainage area and computation of selected basin characteristics. Analysis of long-term streamgage data is used to produce flow statistics at streamgages and derive low-flow and flood peak-flow regression equations that are used within StreamStats to easily obtain estimated streamflow statistics at ungaged locations.

#### **SPEAKER**

**Joseph M Richards, USGS, BS, Geology & Mathematics, Southwest Missouri State University, 1987, MS, Geology, University of Missouri-Columbia, 1990.**

Joe has worked on many hydrologic studies and tasks throughout his 32 year career with the USGS including: routine and flood discharge measurements; routine monitoring and event driven groundwater and surface-water water-quality studies in lakes, rivers, and wetland areas; groundwater modeling; bathymetric and land surface mapping and map production with data collected using single-beam and multibeam fathometers, ADCP equipment, RTK GPS equipment, and tripod lidar; UAS data collection and mapping; basin characteristics determination for low-flow and flood frequency analysis, EPA project technical assistance, and many others. Joe has a strong background in GIS and groundwater hydrology in Missouri and frequently interacts with USGS hydrologists, state cooperators, and the public concerning Missouri groundwater topics and issues.

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.



ENVIRONMENTAL &  
WATER RESOURCES  
INSTITUTE

St. Louis Chapter

2022 Environmental & Water Resources Symposium/Workshop

# WATER, WATER, EVERYWHERE

Join us for a full-day educational symposium/workshop for professional development to learn about water-related technical topics in our region, including the Metropolitan St. Louis Sewer District's current program and projects, and to develop skills useful in the region related to hydraulic analysis with HEC-RAS.

*Please have **HEC-RAS 6.1** [installed](#) on your computer for the training session.*

Virtual Symposium via Webex (link to be sent to registrants)

**Friday, March 11, 2022**

Technical Program 8:00 AM to 4:00 PM

6 Professional Development Hours  
Full-day Technical Program

**Who should attend:** Water resource engineers, environmental engineers, hydraulic engineers, water resource designers, MSD engineers, hydrologists, students, etc.

Cost:

\$40 for Members (EWRI, MSPE), \$50 for Non-members, Free for Students

[Online Registration](#)

**Questions?**

Dr. Azadeh Bloorchian

Spring Symposium/Workshop Chair, ASCE-EWRI St. Louis Chapter

636-343-5852 (work)

[azadeh.bloorchian@stantec.com](mailto:azadeh.bloorchian@stantec.com)



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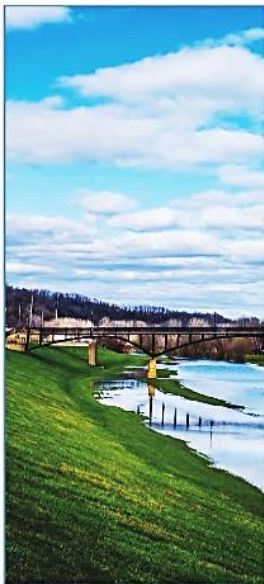
# NATIONAL LEVEE SAFETY PROGRAM

## Announcing Stakeholder Meetings WINTER 2021/2022



### CALLING EVERYONE WHO CARES ABOUT LEVEE SAFETY & COMMUNITY RESILIENCY

- » Levee Owners
- » Levee Operators
- » States
- » Tribes
- » Local Governments
- » Residents
- » Businesses
- » Engineers
- » Floodplain Managers
- » Emergency Managers
- » Public Works
- » Schools
- » Police & Fire



**Starting January 2022, the U.S. Army Corps of Engineers (USACE) and the Federal Emergency Management Agency (FEMA) are launching a series of in-person and virtual meetings to seek input on how to improve the way levees are managed in the Nation.**

REGISTER TODAY at [www.levesafety.org](http://www.levesafety.org) for one of these meetings to share your challenges in living with levees and provide your input into the design of a new National Levee Safety Program, specifically:

- » What should the Nation’s vision be for improving levee safety? Who should play what role?
- » What information is most useful to you as a state/local/regional/tribal government, levee owner/operator, emergency manager, etc.?
- » What best practices, guidance or procedures would be most helpful to you in managing flood risk and ensuring your levee is reliable?
- » How can we most effectively talk about the benefits that levees provide, while also making people aware of the inherent risks in living in the floodplain?

### IN-PERSON STAKEHOLDER MEETINGS COMING TO A CITY NEAR YOU

LOCATION	DATE	TIME
Harford, CT	January 11, 2022	12:00 – 5:00 pm (local time)
Cincinnati, OH	January 13, 2022	12:00 – 5:00 pm (local time)
Portland, OR	January 18, 2022	12:00 – 5:00 pm (local time)
Sacramento, CA	January 20, 2022	12:00 – 5:00 pm (local time)
Jacksonville, FL	February 1, 2022	12:00 – 5:00 pm (local time)
Houston, TX	February 3, 2022	12:00 – 5:00 pm (local time)
St. Louis, MO	February 8, 2022	12:00 – 5:00 pm (local time)

- Visit [www.levesafety.org](http://www.levesafety.org) to sign-up for a meeting. Pre-registering for a meeting is required and each meeting will be limited to 100 participants.
- Participants are encouraged to follow Covid-19 precautions for each state. Attendees will be notified if any meeting should need to move to a virtual format due to future Covid-19 restrictions.
- Registered participants can check in to the meeting starting at 11:30am.

### VIRTUAL WEBINARS PARTICIPATE FROM ANYWHERE

DATE	TIME
February 15, 2022	1:00-5:00pm EST
February 17, 2022	1:00-5:00pm EST
February 22, 2022	1:00-5:00pm EST
February 24, 2022	1:00-5:00pm EST

- Visit [www.levesafety.org](http://www.levesafety.org) to register for a virtual webinar.
- Each webinar will be limited to 100 participants.

See the National Levee Safety Program website, [www.levesafety.org](http://www.levesafety.org) to learn more about levees in the United States and to sign up to attend a meeting or a webinar.





ST. LOUIS CHAPTER  
MISSOURI SOCIETY OF  
PROFESSIONAL ENGINEERS

**Friday, February 18<sup>th</sup>**

**70<sup>th</sup> Annual National  
Engineers Week Reception  
and Awards Program**

Location: Engineering Center of St. Louis (4359 Lindell Blvd)

Networking: 6:30 PM

Dinner: 7:00 PM

Program Begins: 7:30 PM

**Award Winners:**

Outstanding PE in Construction: Everett Litton, P.E.

Outstanding PE in Government: John P. Kohler, P.E.

Outstanding PE in Education: Jalil Kianfar, Ph.D, PE,

Outstanding PE in Private Practice: Shawna Erter

Outstanding PE in Industry: Steve Malyszko

Young Engineer of the Year: Madison Daiber

Engineer of the Year: Alan Christanell

# CHANGING THE WORLD

## CIVIL, ARCHITECTURAL AND ENVIRONMENTAL ENGINEERING **Networking & Social Event**

Join us for an evening of networking and engagement on Tuesday night of the S&T Spring Career Fair. This will be a great opportunity for students and alumni/employers to connect outside normal fair hours in a more relaxed setting. Gather in the atrium to discuss career aspirations. Get to know people in our field. There is no set program — come and go as you please.

R.S.V.P. by Friday, Feb. 11 to Jody Seely ([seelyj@mst.edu](mailto:seelyj@mst.edu)).

**5-8 p.m. | Tuesday, Feb. 15 | Butler-Carlton Atrium**



MISSOURI S&T





S-STEM  
Award # 2130471

# WATERSHED SCHOLARS

SOUTHERN ILLINOIS UNIVERSITY  
EDWARDSVILLE

**Interested in a Master's degree focusing on watershed science?**

Receive \$10,000 each year for two years and a tuition waiver.

## Apply to the Watershed Scholars Program at SIUE!

The NSF S-STEM Watershed Scholars program offers opportunities to Graduate Students specializing in the Watershed Sciences in Biology, Chemistry, Engineering, and Environmental Sciences.

### Research Opportunities:

*Students will receive:* Tuition waiver, \$10,000 scholarship for each of the two years they are in the program, funding to attend conferences, funding to complete their research and purchase research equipment and tools.

*Students will participate in:* thesis & research workshops, career panels, scientific and technical seminars, and mentoring from a variety of sources,.

*Students will gain skills in:* presenting, grant applications, and publishing.

### Eligibility and Application Requirements:

Eligible students should have an income of \$22,540 or less at program start date. Scholars must be U.S. citizens, permanent residents, or admitted refugees.

1. Apply to your program of choice (Biology, Chemistry, Civil Engineering, or Environmental Sciences) at SIUE.
2. Submit a FAFSA (Free Application for Federal Student Aid).
3. Submit an application at the link below. Provide a written statement (250-500 words) describing your interest in watershed research and, if applicable, any prior relevant research experience.

**Application Due:  
March 31, 2022**

and will be considered on a rolling basis thereafter if funding is available.



<http://www.siuSTEMcenter.org/s-stem-watershed-scholars-program/>

**Questions?**

Contact  
Dr. Adriana E. Martinez:  
[admart@siue.edu](mailto:admart@siue.edu)



# Now Hiring

## Structural Engineer

- ▶ Structural Engineering
- ▶ Risk Consulting
- ▶ Seismic and Wind
- ▶ Probable Maximum Loss
- ▶ Post-Disaster Assessments
- ▶ Extreme Loads Analysis
- ▶ Progressive Collapse
- ▶ Explosion Modeling
- ▶ Blast Testing

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.



## ST. LOUIS CHAPTER MISSOURI SOCIETY OF PROFESSIONAL ENGINEERS

Instructor needed for the Roadway Class for the MSPE Civil PE Refresher Course!  
This would be for one Saturday in February or March from 8 am to 12 pm, teaching materials are already prepared, and the position is paid. A PE license is required.  
Contact Lisa Cheng for more information at [Lisa.Cheng@hdrinc.com](mailto:Lisa.Cheng@hdrinc.com)

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### 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

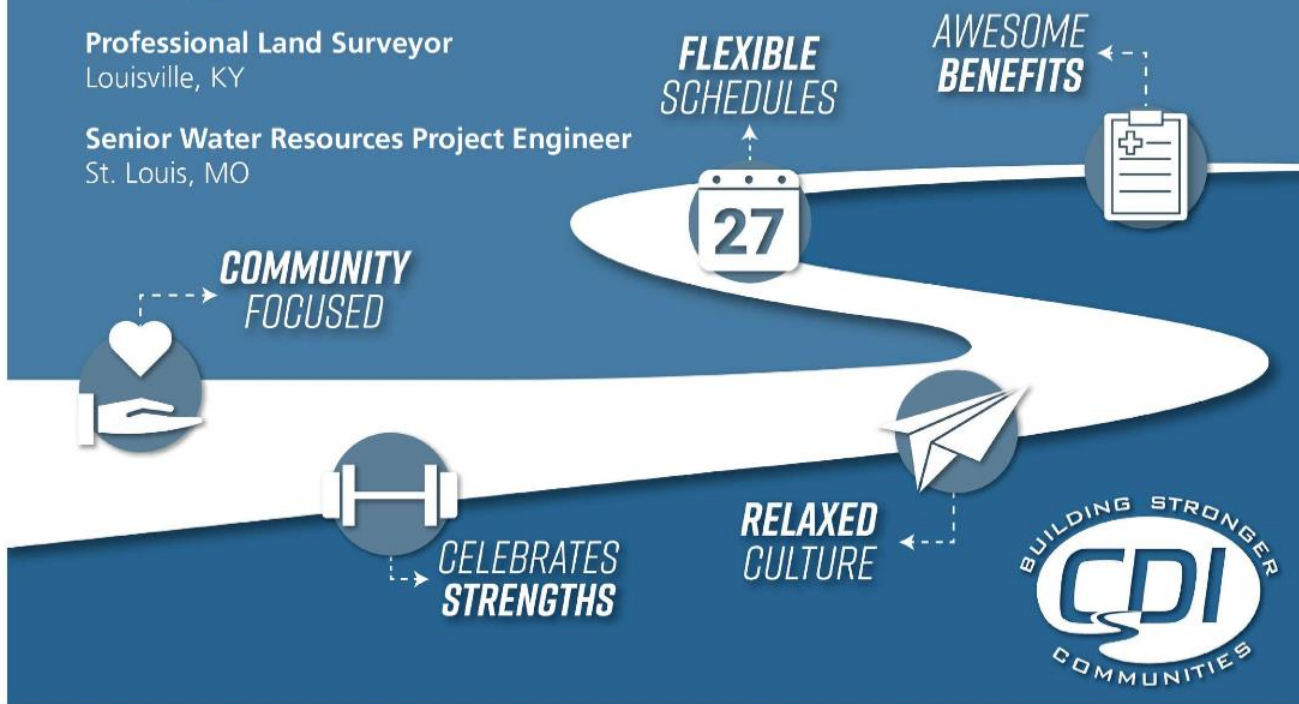
## OUR VALUES

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.*

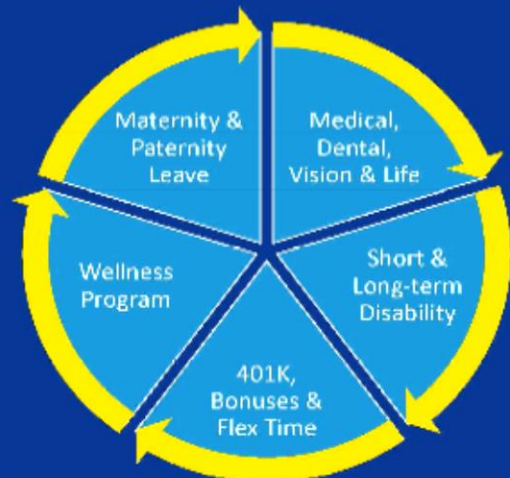
## STRUCTURAL ENGINEER



**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.
- Compleitive 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...

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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.

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