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Upcoming Events

February

- 07 – Geo-Institute Meeting
- 11 – Missouri Legislative Drive-In
- 13 – YMG Meeting
- 20 – EWRI Monthly Webinar
- 22 – EWeek
- 27 – Sustainability Committee Seminar

Follow the Section and share with your network.



Update your bookmarks with our new Section website

<http://sections.asce.org/st-louis/>



President’s Message



In recognition of *Engineers Week (EWeek)* the **Saint Louis Science Center** hosts the annual [SciFest Engineering Expo](#) on February 22. The Saint Louis Section and Younger Members group will again exhibit hands-on demonstrations of civil engineering concepts and our photo display of civil engineering works. These are fun and engaging events to be a part of. Please consider spending some part of the day with us and the many people, young and old, that will be there to learn about the role science and technology in our lives. You can also roam around to see the fascinating demonstrations and exhibits spread throughout this fabulous facility.

Also that same week, we will be participating in the *Engineers Week 2020 Career 2020* event organized and hosted by The Engineers Club of Saint Louis. The event runs from 4:00pm-7:00pm on Friday, February 21. We will be there to support the mission of ASCE to promote the profession of civil engineering. I invite you to stop by and join in the conversation to talk about your work and projects.

Have you heard of ASCE’s **Student Innovation Contest**? This is a student-oriented competition developed in conjunction with ASCE’s **Grand Challenge** announced about 5 years ago. The primary purpose of this initiative is to rethink “*what’s possible in our industry. With your participation we can work towards the shared goal of reducing infrastructure life cycle costs by 50% by 2025 and foster the optimization of infrastructure for society.*” The Student Innovation Contest is one of the major events to be held 2020 Mid-Continent Student Conference hosted by University of Missouri – Columbia (Mizzou) April 16, 2020 (<https://engineering.missouri.edu/academics/civil/mcsc2020/>). They have reached out to us to help them recruit judges for this event in particular. I plan to be there as a judge and I look forward to learning about innovative ideas to improve infrastructure life cycle. I hope that you too will consider offering your time and talent to this worthwhile activity. For more information about any of the conference the events and volunteering to be a judge, please contact the conference planning committee at 2020MidContConf@gmail.com.

Officers & Directors 2019 - 2020

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Be sure to check out the flyer on Page 11 in this issue that features the Career Networking event at the conference. The Saint Louis Section will also participate. We are looking for engineers and firms to partner with to help Mizzou give the more than 300 student participants a variety of networking opportunities and practice-oriented exhibits. Are you available to join us in that?

'Til next time,
Brent M. Vaughn, PE
brent.vaughn.asce@gmail.com

Committee Chair Openings

ASCE St. Louis Section is seeking dedicated members to open chair committees as briefly described below, with the opportunity that the incoming chair will “make it their own.”

Pre-College Outreach (formerly Career Guidance) - The purpose of the Pre-College Outreach is to inform elementary, middle and high school students and staff about Civil Engineering. This information includes the requirements for becoming a civil engineer, and how civil engineers improve the quality of life for all citizens. The committee provides speakers and participates in Career Days, Shadowing Days, and other volunteering opportunities relating to Civil Engineering. They also maintain a database of school counselors, and keeps an inventory of materials (including brochures, pamphlets, videos) used by the Committee in their activities. The Society provides many resources and materials to be utilized by the Committee in their efforts.

Student Involvement Chair - The purpose is to serve as a bridge between the student chapters at SIU-Edwardsville, SIU-Carbondale, MUS&T, University of Missouri, and St. Louis University, keeping both the student chapter and the Section informed about the activities of each. The Student Involvement Chair also informs the student chapters of the Section funds available to them and assist them in requesting the funds, and assist the Past-President in soliciting scholarship nominees.

Communications Co-Chair - The Committee's primary goal is to communicate to all local members news of past, present, and future activities and programs for the purpose of stimulating greater interest and participation in section affairs. The Co-Chair is expected to work closely with the president and chairmen of other committees to obtain information of vital interest to the membership. Correct and timely information should be obtained from the program committee regarding forthcoming meetings. Valuable news will also be found in the Section Leader, a regular publication issued from ASCE headquarters. An informal but regular system of contacts or reporters is an essential ingredient to the collection of interesting news.

Membership Benefit Question

As a result of our note in the December newsletter, we had a question about the free PDHs offered by ASCE with respect to Ethics, as one member needed 2 PDHs in Ethics. Unfortunately, there are no free webinars available that cover this. There was one titled “The Ethics of Leadership”, but it has been found to have some technical issues so isn’t available at this time. The list of free webinars can be found at the following link:

<https://sa360.asce.org/ASCEWebApp/Benefits/Membership/Freeondemandwebinars.aspx>

There are several other Ethics webinars available on the ASCE website but those are more to be hosted in a group setting and have a cost associated with them. Please consider one of these that your company or organization may host in a group setting.

<http://mylearning.asce.org/diweb/catalog?dp=0&c=79&t=2125&q=ethics&f1=1>

Please contact Lyle Simonton at lsimonton@subsurfaceconstructors.com with any other questions regarding your membership benefits.

ASCE Missouri Legislative Drive-In Announcement



Announcement –
ASCE Government Relations Committee
December 2019

9th Annual Capitol Day in Jefferson City Promoting Infrastructure Development Tuesday, February 11, 2020 9:00 AM to 3:30 PM at MSPE's Office and State Capitol Building

ASCE members will join the Missouri Society of Professional Engineers (MSPE), the American Council of Engineering Companies (ACEC), and the Missourians for Transportation Investment to advocate for issues at the 2020 Capitol Day. Attendants will spend the day learning current issues and meeting with state legislators. Don't miss out on the opportunity to help educate lawmakers on issues of importance to Licensed Professional Engineers!

A legislative overview will start the day at the MSPE office (200 E. McCarty Street, Suite 200) led by contract lobbyist Mark Rhoads and Executive Director Travis Lowe, followed by meetings with your state senator and representative at the capitol. Please contact your state senator and representative and schedule meetings between 1:00 - 3:00 pm on that day. Contact Dennis Boll at 314-568-3125 or dboll@geotechnology.com for more information.

Nichole Witushinsky, PE, wins Region 7 Outstanding ASCE Younger Member Award

At the ASCE St. Louis Section and SAME St. Louis Post joint luncheon, we were honored to present **Nichole Witushinsky, PE**, with the Region 7 Outstanding ASCE Younger Member Award for 2019. Nichole returns to the St. Louis Section area after working for several years in the Wichita area and volunteering with ASCE up through the President and Past President of the Wichita branch, among many other key career and volunteer positions.

The photo shows Shawna Erter, PE, Region 7 Governor presenting the award plaque to Nichole Witushinsky, PE.



Younger Member Group Update



Community Service Projects – The YMG is looking to replace a community service project in the spring, if you know of or hear of any in the St. Louis or metro-east areas please pass the information along to us at ascestlymg@gmail.com.

Younger Member Highlight – We are starting a new recognition feature for our younger members, if you would like a chance to be recognized, please fill out [this survey](#). A Younger Member, potentially two, will be chosen each month and featured on our Facebook page and in the newsletter on our YM update.

Mark your calendars for the first meeting of the fall!

February YMG Meeting: SIUE

Thursday, February 13, 2020

Recess Brewing

307 N Main St, Edwardsville IL 62025

6 pm to 8 pm

www.recessbrewing.com

The FY20 updated schedule can be found on the next page!

Like us on Facebook for more frequent updates and potential pop-up activities!



YMG 2019 – 2020 Calendar

*Subject to change throughout the year

October YMG Meeting:

Thursday, October 3, 2019

Schlaflly Bottleworks

7260 Southwest Ave, 63143

6 pm to 8 pm

www.schlaflly.com

November YMG Meeting:

Thursday, November 14, 2019

McGurk's

1200 Russell Blvd, 63104

6 pm to 8 pm

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

December YMG Meeting:

Thursday, December 12, 2019

International Tap House

16 S. Euclid Ave, 63108

6 pm to 8 pm

<https://www.internationaltaphouse.com/>

January YMG Meeting: SLU

Thursday, January 23, 2020

Urban Chestnut Midtown

3229 Washington Avenue, 63103

6 pm to 8 pm

<http://urbanchestnut.com/home/>

February YMG Meeting: SIUE

Thursday, February 13, 2020

Recess Brewing

307 N Main St, Edwardsville IL 62025

6 pm to 8 pm

www.recessbrewing.com

March YMG Meeting:

Thursday, March 12, 2020

1860's Hardshell Café

1860 S. 9th St. 63104

6 pm to 8 pm

www.1860saloon.com

April YMG Meeting:

Thursday, April 9, 2020

SqWire's Restaurant & Annex

1415 S. 18th St., 63104

6 pm to 8 pm

www.sqwires.com

May YMG Meeting:

Thursday, May 14, 2020

Hair of the Dog

1212 Washington Ave, 63103

6 pm to 8 pm

REGISTER NOW



STRUCTURES CONGRESS 2020

St. Louis, Missouri | April 5–8

NEW
Group Discount

for 5+ full registrants from an organization

Closing Keynote:

**Museum of the Future:
Trends & Technologies Shaping
the Future of Structural Engineering,
with**

Christopher Wodzicki, P.E.,
BuroHappold Engineering

Michael Gustafson, P.E., *Autodesk*



The Premier Event in Structural Engineering



View full program
of sessions, keynotes, and
events and plan your schedule.

For the best rate, register by February 4

▶ www.structurescongress.org

- Register Today for the premier event in structural engineering
- View the Interactive Technical Program and create your personalized schedule for Structures Congress 2020, so you don't miss anything!
- Are you a bridge person? Or buildings? The special sessions have something for everyone from liability case studies to structural safety with CROSS-US! Register for Structures Congress 2020 today and join us in St. Louis.

Learn more at www.structurescongress.org.

Geo-Institute News

Next Geo-Institute committee meeting will be in early March. Please contact jschaeffer@millennia.pro for more details.

2020 Environmental & Water Resources Spring Symposium/Workshop



**ENVIRONMENTAL &
WATER RESOURCES
INSTITUTE**
St. Louis Chapter

EWRI of ASCE - St. Louis Chapter

2020 Environmental & Water Resources Spring Symposium/Workshop

WATER, WATER, EVERYWHERE

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

Location: The Engineering Center of St. Louis (Engineers' Club)

4359 Lindell Blvd., St. Louis, MO 63108

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

SAVE THE DATE: Friday, March 13, 2020

Technical Program 8AM to 4PM
(details forthcoming)

6 Professional Development Hours
for professional licensure requirements

Continental Breakfast and Lunch

Registration information: forthcoming

For further information, please contact:

Dr. Azadeh Bloorchian
Spring Symposium/Workshop Chair
ASCE-EWRI St. Louis Chapter
636-343-5852 (work)

azadeh.bloorchian@stantec.com



EWRI St. Louis Monthly Speaker Series Event

The St. Louis Section of EWRI is pleased to announce our monthly webinar **on Thursday, February 20, 2020 at 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 17, 2020.** Please register online in advance at the following link:

<https://docs.google.com/forms/d/e/1FAIpQLSett23vrZ79L3B3VtnV5nxypqgVBOXiwBalpaOJF2ZFROB4ng/viewform>

Registrants will receive detailed login and dial-in information or directions for in-person attendance prior to the event.

Elements of a Successful Underground Project

This presentation will discuss the factors that are most likely to cause underground projects (sewers, water mains, etc.) to go badly, and how to avoid those pitfalls.

Speakers

Josiah Holst, PE, CFM, Senior Project Manager with HRGreen, has worked on more than 100 projects touching the fields of water, wastewater, and stormwater management. Josiah's related experience includes pumping and conveyance systems, water and wastewater treatment, stormwater planning, MS4 program management, stormwater capital improvement program development and implementation, stream stabilization, and flood control. Josiah frequently leads public engagement and project permitting tasks for neighborhood and city-wide stormwater projects, including meetings with property owners and regulatory agencies to help foster support for challenging projects. Additionally, he has presented at numerous local, state, and national conferences on a variety of water-related topics.

Chad Mason, PE, ENV SP, Project Manager with HRGreen, has worked on a wide variety of civil and environmental infrastructure projects, from conceptual planning through design and construction. As a credentialed Envision Sustainability Professional (ENV SP), Chad has formal training in the incorporation of sustainable principles across the full range of projects. His water-related experience includes pumping and conveyance systems, water and wastewater treatment, stormwater remediation, stream stabilization and flood control. His transportation experience includes major bridges and culverts, interchanges, corridor lighting, urban arterial street reconstruction, ADA/PROWAG accessibility improvements, roundabouts and downtown streetscapes. Chad has an engaging communication style and a talent for making complex ideas easy for the average person to understand.

Thank you to our joint seminar sponsor, **EDM Incorporated!**

Please contact **Len Madalon** (ljm@edm-inc.com) with any questions, if you are interested in presenting, or have an idea for a topic.

Sustainability Committee Seminar



ASCE St. Louis Sustainability Committee Seminar SIUE GREEN ROOF ENVIRONMENTAL EVALUATION NETWORK

Speakers:

Susan Morgan, Ph.D., P.E., Bill Retzlaff, Ph.D., Serdar Celik, Ph.D.

Date and Time:

Thursday, February 27, 2020, 4:00 PM – 5:00 PM

Seminar Information:

**IMPORTANT UPDATE ON ROOM LOCATION:
The seminar room is changed from Havana Room to “Red Room” in the first floor of 4240 building]**

Address:

4240 Duncan Ave, St. Louis, MO 63110

Free drink will be provided at the venue by Venture Café St. Louis
Attendees will earn 1 free PDH, Event is FREE

RSVP at <https://rb.gy/cuhhlk>

Parking information: <https://vencafstl.org/contact/>

Short Description:

This presentation will introduce SIUE’s Green Roof Environmental Evaluation Network (G.R.E.E.N.) and provide an overview of SIUE’s research/training activities along with presenting select results of research on stormwater and thermal effects of green infrastructure.

If you have any questions or you are interested in presenting at the committee seminars, please contact the committee chair, Siavash Zamiran, at szamiran@meacorporation.com

SPEAKERS:



Dr. Susan Morgan, P.E., Professor in Civil Engineering and Associate Dean of the Graduate School at Southern Illinois University Edwardsville



Dr. Bill Retzlaff, Distinguished Research Professor in Biological Sciences and Associate Dean of the College of Arts and Sciences at Southern Illinois University Edwardsville



Dr. Serdar Celik, Professor in the Department of Mechanical Engineering at Southern Illinois University Edwardsville



2020 MCSC Employer Networking Event

University of Missouri – Columbia



Would you like to interact with over 300 of the most active civil engineering students from 15 universities in the Midwest? Become a sponsor for the 2020 Civil Engineering Mid-Continent Student Conference! This conference will be held April 16th-18th at the University of Missouri. Student events include the ASCE Concrete Canoe Competition, ASCE Innovation Competition, ASCE Technical Paper Competition, AISC Student Steel Bridge Competition, and Geo-Institute Geo Wall Challenge.

All sponsors receive a booth in the Employer Networking Event. Our hope for this event is to provide interactive exhibits where students can learn more about opportunities in civil engineering. Booths can include demonstrations, activities, and employer information. The goal is to show the students what they can accomplish and get them excited about their degree. The Employer Networking Event will be held Thursday, April 16th from 2-5pm. If your company is interested in securing a booth, please visit our sponsorship page [here](#).

To learn more about this conference and how you can support us, please visit our website [here](#).

Questions? Contact us via email:
2020MidContConf@gmail.com

2020 Erosion, Sediment and Storm Water Control Seminar

Friday, February 28, 2020 Leclaire Room at Lewis and Clark Community College
N.O. Nelson Campus, 600 Troy Road, Edwardsville, IL 62025

Agenda

- 9:00 am - 9:15 **Welcome and brief review of NPDES program** - Wayne Caughman, IL-EPA
- 9:15 - 9:45 **Installation and Maintenance of the 5 Most Common BMPs on Storm Water Permits**
Speaker: Rick Gundlach, Project Scientist, SCI Engineering
- 9:45 - 10:15 **A Case Study of the Ameren Illinois, Jarvis Substation in Madison County**
Speaker: Kevin Adkins, Environmental Scientist, Ameren Services, Permitting and Natural Resources Group
- 10:15 - 10:30 **Break**
- 10:30 - 11:00 **Water Management During Brown Field Site Development, Case Studies to include the Wood River Power Plant**
Speaker: Adam Peetz, Vice President of Remediation and Site Development Aton Environmental Services
- 11:00 - 11:30 **Tough Native Plants for Storm Water BMPs, Selection and Maintenance**
Speaker: Felicia Ammann, Field Scientist, SCI Engineering
- 11:30 - 12:00 **Questions and Discussion**
- 12:00 pm **Adjourn**

Cost is **FREE**, but RSVPs need to be received by 5:00 pm, Friday, February 21, 2020.

This seminar is worth 3 PDH's for Professional Engineers and 3 PDU's for CPESC's and CESSWI's. Please make your reservations online at

https://siue.co1.qualtrics.com/jfe/form/SV_6FillmQi3J0sCVL

If you are unable to register online, please contact Brent Vaughn at bvaughn@siue.edu.

This seminar is sponsored by -





About the Conference

The conference is designed for professionals in structural engineering to gather in Champaign-Urbana to discuss exciting new developments in the field, gain timely job-related information, network with colleagues, and renew their sense of professional purpose. The participants are a diverse group of engineers from local, state, and federal agencies; consulting and contracting firms; and universities.

Conference Planning Committee

The Conference program was developed by a distinguished group of practicing structural engineers from the Chicago, Central Illinois, and St. Louis regions, in cooperation with the structural engineering faculty of the University of Illinois at Urbana-Champaign.

Professional Development Hours

The conference will provide 6.5 professional development hours (PDH) for professional engineers.

Register Today!

<https://my.cee.illinois.edu/isec-2020>

Thursday, March 26th 2020

I Hotel and Conference Center 1900 S.

First Street, Champaign, IL 61820

<https://structures.cee.illinois.edu/structural-engineering-conference/>





Academic Employee: Research Engineer Position No. 00075187

The Center for Intelligent Infrastructure at Missouri University of Science and Technology (formerly University of Missouri-Rolla) seeks to expand its research capabilities in autonomous inspection and maintenance of civil infrastructure (e.g., bridges and tunnels) by inviting applications for a research engineer position, commencing around October 15, 2019. The annual salary for this position with full benefits is around \$60,000, depending on candidates' background and experience.

The successful candidate will be expected to demonstrate ability to work in laboratory and field environments and willingness to do heavy lifting and long distance travel. Candidates must have an earned undergraduate degree in civil engineering from an ABET/EAC accredited program or equivalent, and at least 1 year of practical experience in bridge inspection and maintenance, particularly with the state department of transportation. Superior communication and interpersonal skills, leadership capabilities, the ability to engage in collaborative and interdisciplinary research projects, and the ability to motivate and inspire undergraduate and graduate students are also required attributes. Licensure as a professional engineer in civil engineering is required or must be attained in the State of Missouri within 1 year of appointment. Knowledge about any bridge management software such as PONTIS is strongly encouraged. Familiarity to nondestructive evaluation and test of bridges is a plus.

The Center for Intelligent Infrastructure has recently been established at Missouri University of Science and Technology in recognition of nation's growing interests in infrastructure research using advanced technologies such as robots, remote sensing, nondestructive evaluation, structural health monitoring, data analytics, and asset management. The Center currently has expertise in civil engineering, computer science, economics, electrical engineering, engineering management and systems engineering, power engineering, and multi-hazards engineering (earthquake, tornado, flood, etc.). Its current research programs are focused on the preservation, safety, resilience, and sustainability of transportation infrastructure systems. The Center is envisioned to extend its autonomous inspection and maintenance capabilities from bridges to other infrastructures such as dams, building, levees, offshore platforms, pipelines, power plants, roads, transmission towers, and tunnels. The successful candidate will have the opportunity to interact with interdisciplinary research teams across campus, including the Tier I University Transportation Center (see <http://inspire-utc.mst.edu/>), Mid-America Transportation Center (see <https://matc.unl.edu/>), the National Center for Transportation Infrastructure Durability and Life-Extension, the Center for Infrastructure Engineering Studies (see <http://cies.mst.edu/>), the Wei-Wen Yu Center for Cold Formed Steel Structures (see <http://cfssonline.org/>), the Intelligent Systems Center (see <http://isc.mst.edu/>), and the Materials Research Center (see <http://mrc.mst.edu/>).

Review of applications will begin on September 15, 2019 and will continue until the position is filled. Interested candidates should electronically submit an application consisting of a cover letter, a current curriculum vitae, a statement of research interests and goals, and complete contact information for three references to the Missouri University of Science and Technology's Human Resource Office using the following link <https://hr.mst.edu/careers/>. All submitted application materials must have the position reference number 00075187 in order to be processed. Acceptable electronic formats that can be used for email attachments include PDF and Word; hardcopy application materials will not be accepted.

Missouri University of Science and Technology participates in E-Verify. For more information on E-Verify, please contact DHS at 1-888-464-4218. The final candidate is required to provide official transcript(s) for any college degree(s) listed in application materials submitted. Copies of transcript(s) must be provided prior to the start of employment. In addition, the final candidate may be required to verify other credentials listed in application materials. Failure to provide official transcript(s) or other required verification may result in the withdrawal of the job offer. Females, minorities, and persons with disabilities are encouraged to apply. Missouri University of Science and Technology is an affirmative action / equal opportunity employer and is responsive to the needs of dual-career couples.



Horner & Shifrin is seeking a full-time Engineer to work in our Transportation division in our St. Louis or Poplar Bluff, MO office. This position requires **4+** years of experience. This position is assigned specific tasks on project teams; and is expected to resolve engineering problems and tasks with assistance, as needed, from more experienced staff.

POSITION RESPONSIBILITIES/DUTIES:

- Candidate will work under licensed engineer
- Responsible for the development of engineering plans, specifications and estimates (PS&E)
- Work as part of a team to complete general transportation engineering services for municipal, county and state agencies
- Provide good and effective written/verbal communication skills

POSITION REQUIREMENTS:

- Must have an Engineer Intern certification; Professional Engineer license is preferred
- Must have a valid driver's license
- Must be able to pass a background check
- Proficient in the use of Microsoft Office software (Outlook, Excel, Word, Project)
- Proficient in the use of MicroStation and GEOPAK SS4 or AutoCAD Civil 3D

EDUCATIONAL REQUIREMENTS:

BS in Civil Engineering

SALARY RANGE:

Salary will be commensurate with experience.

Horner & Shifrin, Inc. is a Federal Contractor, Equal Opportunity Employer M/F/Disability/Veteran. We are a 100% Employed Owned firm, offer a generous benefits package, and named a 2017, 2018 & 2019 Top Workplace by the St. Louis Post-Dispatch.

If you are interested, you must apply through our website at www.hornershifrin.com/careers. Visits and phone calls will not be accepted.

Learn more about us at www.hornershifrin.com.



Prairie Engineers, P.C. is seeking a Structural Engineer to join their team.

Prairie Engineers is a full services engineering, geospatial, and environmental science firm with a goal of delivering sustainable infrastructure solutions and maintaining our natural and built environment. We are a woman-owned firm with offices in Columbia, Hillsboro, Peoria, and Springfield, Illinois and Hazelwood, Missouri. The firm provides services to federal, state, and local governments, utilities, industries, and private businesses. Prairie Engineers is a growing company, looking to add a Structural Engineer to their team to assist primarily in the office with project planning, structural engineering design, and construction document development. This position will be a full time position with benefits and a competitive salary based on qualifications. This position is available to be filled in any of our office locations.

Essential Job Functions:

- Planning, design, and construction administration of transportation and building projects
- Ability to work both independently and as a team leader
- Focus on project delivery and customer service with attention to detail and deadlines

Minimum Qualifications:

- A minimum of five years' relevant design experience
- Current licensure as an Illinois Structural Engineer
- Good verbal and written communications skills
- Ability to work both independently and as part of a team
- Project a professional, positive attitude with a strong work ethic

Preferred Knowledge, Skills, Abilities, and Experience:

- Eight or more years of design experience
- Past project management experience
- Familiarity with Illinois DOT and CDB design standards, procedures, and requirements

We are an equal opportunity employer that recognizes the value of a diverse workforce. All qualified individuals will receive consideration for employment without regard to race, color, religion, creed, gender, national origin, age, handicap, marital status, veteran's status, sexual orientation, or any other legally protected status.

Preference will be given to applicants who reside in a HUBZone as defined by the US Small Business Administration. For a map of certified HUBZone areas, please refer to the following website:

<https://maps.certify.sba.gov/hubzone/map/>

For additional information regarding our company and benefits offered our employees, please visit our website at www.prairieengineers.com.



For more than a century, HNTB has helped deliver infrastructure solutions that best meet the unique needs of our clients. With client relationships spanning decades, we understand infrastructure life cycles and have the perspective to solve technical challenges with clarity and imagination. We are far more than a design firm. We see and help address far-reaching issues of financing, legislation, design, construction, community outreach and ongoing operations. As employee-owners committed to the highest levels of performance, we enable clients to achieve their goals and inspiring visions.

Just like we are committed to delivering for our clients, HNTB is also committed to delivering for you by offering benefits to protect the health of you and your family, help you balance family and career, and build your savings for retirement. Learn more at <https://www.myhntbtotalsrewards.com>.

Senior Bridge Project Engineer

<http://www.hntb.com/careers>

Job ID: 1018-19763

Overview

The time is right to join HNTB Corporation! We are seeking a Senior Bridge Project Engineer to lead projects from our St. Louis, Missouri office.

Job Summary

Provides coordination of project execution and control, in a given discipline area, to achieve continuity of purpose within scope, budget, and time schedules from initial start-up through project closeout. Also accountable for handling specific design aspects on projects appropriate to discipline field. Coordinates efforts of assigned design team to ensure completeness and accuracy of design effort. Serves as technical liaison with client on project efforts. Responsible for gross revenue of \$1-\$2M.

Essential Responsibility

- Responsible for the delivery of project discipline scope elements within budget and schedule.
- Oversees completeness and accuracy of project team's work. Supervises and guides team to overall project objectives.
- Provides senior-level technical expertise to client on project aspects within the discipline.
- Assists with project management duties.
- Performs other duties as assigned.

Basic Qualification

- Bachelor's degree in Engineering
- 10 years relevant experience

Preferred Qualification/Skills

- Master's degree in Engineering
- PE/AICP

General Work Conditions

Combination Office and Field Environment: Most work is performed in an office environment in which there is only minimal exposure to potentially unpleasant working conditions. Incumbent must have the ability to stand and sit frequently and reach horizontally as well as vertically for overhead use. Work may infrequently be performed at client's job site, construction trailer, and in the field. Work may sometimes require working in inclement weather, working in a construction site, being exposed to heavy construction equipment and doing extensive walking. Adherence to applicable safety protocol is required.

HNTB Corporation is an Affirmative Action and Equal Opportunity Employer, Minority/Female/Disabled/Veteran.

The HNTB Companies are an equal opportunity employer and does not discriminate on the basis of race, color, religion, creed, sex, national origin, age, disability, pregnancy status, sexual orientation, gender identity, veteran status, marital status, genetic information, citizenship status, or other status protected by law. In compliance with the Immigration Reform and Control Act of 1986, we will hire only U.S. citizens and aliens lawfully authorized to work in the United States (if the position is or will be one which is subject to U.S. law). We will provide reasonable accommodation for qualified individual with a disability where appropriate.



Oates Associates is a team focused on enhancing our community from the inside outward. That begins internally with a talented staff. If you are interested in a position with Oates Associates, please complete the [employment application](#) and send it along with your resume. Upload your information to our website at www.oatesassociates.com/contact, email us at oai@oatesassociates.com or print and send to:

Oates Associates, Inc.
100 Lanter Court, Suite 1
Collinsville, IL 62234

The firm is an equal opportunity employer that offers competitive salaries, an excellent benefit package, great working environment in new office space, flex-time, opportunity for quick advancement and ownership potential. We seek to develop a more diversified workforce and encourage women and minority candidates to apply for this position.

Civil Engineer - Entry Level to 5+ Years

The ideal candidate will also possess the following attributes:

- Bachelors in Civil Engineering
- EIT certificate or recently received PE license
- 0 – 5+ years civil engineering experience
- Work with both governmental and private clients in Missouri and Illinois is a plus
- Working knowledge of AutoCAD Civil 3D – proficiency is a plus
- Strong technical skills – presentation skills are a plus

Typical responsibilities will include:

- Drawing topographic surveys
- Laying out sites and developing grading plans in AutoCAD
- Coordinating utility service connections and relocations
- Developing of bid and construction documents
- Developing construction cost estimates
- Observing construction operations at work sites and performing material tests

SPECIAL INSPECTIONS & DESIGN

POSITION: Structural Engineer

DESCRIPTION

Special Inspections & Design is a leading provider of specialized engineering services in the structural, civil, industrial, and welding fields in Missouri, Illinois, and California. Our professionals are technical experts in structural engineering design, special inspections, and nondestructive testing. We are seeking an experienced Structural Engineer (5 – 10 years) 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 drawings and specifications, 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 (5 – 10 years is ideal).
- Working knowledge of structural engineering software (RISA is ideal).
- Working knowledge of IBC and other national standard codes.
- AutoCAD proficiency.
- Good written and oral communication skills.

TO APPLY

Please send resume and any questions to Ashlee Peno at ashleepeno@SIDengineers.com

For more information about our company please visit www.SIDengineers.com



We are seeking an energetic Bridge-Structural Project Engineer to join our team!

We currently have an opening for a Bridge-Structural Engineer to serve as a Structural Project Engineer in the St. Louis, Missouri region. This is an excellent opportunity to join a growing firm that is involved in a variety of projects, including highways and bridges for various local public agencies and state DOT's, miscellaneous structural design to support our other business units, and design-build pursuits. The ideal candidate must have a Bachelor's degree in Civil or Structural Engineering and be registered as a Professional Engineer; Structural Engineer registration is a plus. The candidate should also have 5 or more years of experience in bridge and structural design. In this position, you will:

- 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. This position must be able to work independently or as part of a larger design team and interact well with other team members and the manager relative to assigned 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, Microstation or AutoCAD to design and analyze structural components.
- Visit job sites as needed to support projects.
- Perform other duties as assigned.

In addition, experience on Missouri and Illinois local agency and DOT projects, and an understanding of the policies and procedures of these agencies, is preferred. Proficiency with Microsoft Office products including Excel, Word, and PowerPoint required. Experience using seismic analysis and design is preferred.

Location: Downtown St. Louis, St. Charles County, Missouri, or Troy, Illinois

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, and several others.

Check us out at www.lochgroup.com and submit your resume to: jkelly@lochgroup.com. EOE



UMSL/Washington University Joint Civil Engineering Program Adjunct Instructor open positions

Adjunct Instructors are needed in 4 courses within the UMSL/Washington University Joint Engineering Program. Consider joining our team of instructors in providing academic instruction theory while also providing civil engineering application in practice to the students. Adjunct instruction is rewarding and allows engineers to give back to the profession.

- ***J C ENGR 3360 Civil Engineering Materials Lab: 1 semester hour***
- ***J C ENGR 1430 Introduction to Engineering Design: CADD & GIS 2 semester hours***
- ***J C ENGR 3430 Civil Engineering Design CAD & GIS: 2 semester hours***
- ***J C ENGR 4740 Economic Decisions in Engineering: 3 semester hours***

Course descriptions are provided on the UMSL Engineering website and provided for your convenience: <http://bulletin.umsl.edu/jointundergraduateengineeringprogram/#courseinventory>

It must be noted that J C ENGR 1430 Introduction to Engineering Design: CADD & GIS course description is provided below since Civil Engineering students are being directed to a Civil Engineering CADD & GIS course instead of the current introduction CAD course.

J C ENGR 1430 Introduction to Engineering Design: CADD & GIS 2 semester hours: An introduction to engineering design in the context of civil engineering problems and applications. Students will be introduced to the basics of GIS and computer-aided design and drafting concepts and techniques to learn the fundamentals of spatial reasoning and graphical representation. Freehand sketching, including pictorial and orthographic views, are applied to the design process as well. Topics in solving design problems, dimensioning, tolerancing, multi-view orthographic representation, auxiliary views, section views, working drawings, text creation, instrument usage, charts and diagrams, three-dimensional drawings, pictorial drawings, production drawings, engineering design concepts, and fundamental descriptive geometry. Design project: individual or small group assignments, the design process, preliminary drawings. This course is required for civil engineering majors.

J C ENGR 3360 Civil Engineering Materials Lab is taught in the Summer semester that begins June 8th and ends July 31st.

J C ENGR 1430 Introduction to Engineering Design: CADD & GIS and **J C ENGR 4740 Economic Decisions in Engineering** are both taught in the Fall semester.

J C ENGR 3430 Civil Engineering Design CAD & GIS is taught in the Spring semester.

Experience in the civil engineering field and instruction is considered for the appointment and compensation.

Send inquires to Gary Moore, Senior Lecturer and Civil Engineering Director at gmoore23@wustl.edu telephone 314-935-2592.

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

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