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Upcoming Events

June

- 11 – ASCE Luncheon
- 20 – MSPE Luncheon

Follow the Section and share with your network.



Update your bookmarks with our new Section website

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



ASCE-NSBE June 2019 Luncheon

Tuesday, June 11, 2019

Dr. A. Wayne Jones

Presentation Description: The 15 Black Scientists and Technicians that Worked on the Manhattan Project

About the presenter: Dr. A. Wayne Jones is an international speaker, lecturer, consultant, minister, educator, and has addressed a multitude of business, religious and education leaders. He is an Adjunct Professor at St. Louis Community College District and the Executive Director of Wisdom Institute Education District. He is a former President/CEO of Strategic Engrams Institute, Inc. Early in his career, he served as a design draftsman and project engineer.

Dr. Jones is the author of a number of books, curricula, stage plays, musical compositions, and musical dramas. He is the Bishop of Embassy of Heaven Church in St. Louis and served over 15 years as Campus Minister at the St. Louis Community College. He holds a Ph.D. in Adult Education with an emphasis in Learning Styles, MBA with an emphasis in Marketing, and BLS in Organization Development.

Deadline to RSVP is Friday June 7.

[Register Now!](#)

Time, Date, Location

11:30am to 1:00pm, June 11, 2019, at The Engineering Center, 4359 Lindell, St. Louis 63108. Registration starts at 11:30am and lunch is served at 11:45am. The program will begin promptly at 12:00pm. One (1) PDH available.

Cost

\$15/person, students and members in transition \$5 (checks payable to ASCE).

Registration

Please register and pay online using the link above for reservations by 5:00pm, Friday, June 7, 2019. Please note that we will no longer be accepting event registration through the Engineering Center, and you must register online. If you wish to pay at the door, select the "pay by check" method of payment on the online registration page. ASCE is charged for all reserved lunches. If you've signed up and can't make it, please cancel by Friday before the meeting or we may have to charge you for the meal.

Officers & Directors 2018 - 2019

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President's Message



It is time for our next generation of engineers to Dream Big. As many of you know, [Dream Big: Engineering Our World](#) was released by ASCE in 2017 to inspire the next generation of civil engineers. The IMAX movie was shown across the country, including at our own St. Louis Science Center, to great acclaim and later released on Netflix. The movie displayed the great work we do on an amazing scale sure to inspire future engineers to do extraordinary things.

In December of 2018, the Dream Big Educational toolkit was released to schools across the country. The toolkit includes the film, teacher's guide, and additional videos and webisodes for use as part of STEM curriculum.

With support from the United Engineering Foundation, the ASCE Foundation, corporations, individual members, and ASCE Sections and Branches, toolkits were purchased for every public school in the United States. The St. Louis Section and the Kansas City Section stepped up to make sure a copy of Dream Big will be sent to every school in Missouri and the Illinois Counties that make up our Section.

Due to an extended showing at the St. Louis Science Center, the distribution to area schools was delayed until this June. The 2 disc package is being addressed to the STEM coordinator at each school. While this is all well and good, it would be a shame if this is where the story ended. There are literally thousands of schools across Missouri and our Illinois counties receiving the kit and thankfully we have thousands of members.

To maximize the effectiveness of this outreach effort, we will need your help to contact these schools and make sure the toolkits have been received and are being utilized. For members with children in schools, please contact your school and make sure the kits have found their way to the person responsible for the science curriculum and that they have everything they need to make use of the kit. You may even get to volunteer to discuss civil engineering in the classroom. For those without kids in school, please contact your local school to make sure they have received the kit.

If your children are in a school that has not received the kit, the St. Louis Section has one available for loan which can be used in any school in the section. Please let me know if you have any questions about where it was sent, how to utilize Dream Big, and how you can assist with these outreach efforts. With these tools, we can maximize the effect of Dream Big and bring this amazing exhibition of civil engineering to thousands -of future civil engineers.

Best Regards,

Chad Schrand, PE, SE, M.ASCE, F. SEI

cmschrand@hornershifrin.com

Congratulations Graduates!

The St. Louis Section would like to congratulate all of the Civil Engineering graduates from our area universities. We welcome you to get involved – or stay involved – with ASCE as you begin your professional career. We encourage all graduates to reach out to our **Membership Champion, Lyle Simonton**, to learn more about how to stay active or become a professional member of ASCE. We would also like to send a note to those recent graduates, so if you have contact information for any of these individuals, please forward this to Lyle at lsimonton@subsurfaceconstructors.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.”

Career Guidance Committee - The purpose of the Career Guidance Committee 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.

New Section website is up and ready!

Update your bookmarks with <http://sections.asce.org/st-louis/>. The layout is based on a standard platform provided by ASCE National, so it is organized a little bit differently than our previous site. However, keeping the site current will be much easier, so check back often for the latest updates and information. We are still adding content and editing for consistency, so any comments or questions are welcome and can be addressed to Jeff Smith at jesmith@hntb.com.

SciFest: Extreme Earth Expo

The St. Louis Science Center held their “SciFest Extreme Earth Expo” on Saturday, May 18, in conjunction with the premiere of the IMAX film “Pompeii.” Ruth Watt, Manager of STEM Events for the Science Center, invited the St. Louis Section to participate. She said that it is important for people to see that civil engineering is necessary to help solve the problems – earthquakes, floods, landslides, tornadoes – that the other participants were researching. Brent Vaughn and Jeff Fouse were there all day with the St. Louis Section’s display and SIU Edwardsville’s seismic simulator. Section President Chad Schrand and John Finke also were there much of the day. John had a laptop presentation on the seismic retrofit of the I-64 elevated section downtown. The Science Center invited us back for their next event in August. Also, the National Geospatial Intelligence Agency (who had tables across from us) invited us to their open house in August.



Chad Schrand explains to visitors about how structural engineers use their skills to make buildings and other structures better able to resist earthquakes and other natural hazards.

Watch for future public outreach events to be announced in the newsletter. We hope that you will want to share your civil engineering expertise to let the public know what we do to enhance their quality of life.



John Finke demonstrates how to brace a frame, including measuring the load and deformations in the braced and unbraced sections.



Jeff Fouse points to several major and historical civil engineering works in the St. Louis area.



Brent Vaughn explains the SIUE shaker table and instrumented structure model to a potential future civil engineer and his parents.

SEI City Foundry Tour



**STRUCTURAL
ENGINEERING
INSTITUTE**

St. Louis Chapter



On May 29, 2019, the Local SEI group toured the City Foundry STL project currently under construction. A special thanks to the City Foundry STL and SM Wilson for the tour of this unique project. Afterwards we met for Happy Hour at Urban Chestnut in the Grove.

Call for Abstract for Structures Congress 2019

SAVE THE DATE



**STRUCTURES
CONGRESS 2020**

St. Louis, Missouri | April 5-8

**CALL FOR
PROPOSALS**

Be part of the program —
Submit an Abstract or Session Proposal
Deadline: June 5, 2019

**Interact with and learn from
academic/practice experts on
innovative topics:**

- Blast & Structural Response
- Bridge & Transportation Structures
- Building
- Business & Professional
- Career Development
- Education
- Forensic
- Natural Disaster
- Special Structures
- Nonstructural
- Research

The Premier Event in Structural Engineering



Students & Young Professionals:

Apply for Scholarship to Participate

Learn more www.structurescongress.org

Geo-Institute News

The 2019 GeoConfluence Research Scholarship is available Civil Engineering graduate students pursuing a Master (thesis option) or Ph.D. degree specializing in geotechnical or geo-environmental engineering at Midwestern universities within the ASCE St. Louis Section. Applications for the scholarship will be available starting **June 15, 2019**. The deadline for us to receive ALL applications and supporting materials is **September 30, 2019**. Scholarship(s) will be awarded at the Structural and Geo-Confluence on November 8.

Download the application on the [Geo-Institute page \(http://sections.asce.org/st-louis/geo-institute-chapter\)](http://sections.asce.org/st-louis/geo-institute-chapter), or contact [Jake Schaeffer](#) with questions.



**GEO-
INSTITUTE**
St. Louis Chapter



**STRUCTURAL
ENGINEERING
INSTITUTE**
St. Louis Chapter

Structural and Geo-Confluence

CALL FOR ABSTRACTS!

Friday, November 8, 2019

St. Charles Convention Center

St. Charles, Missouri

The St. Louis Chapters of the Geo-Institute (GI) and Structural Engineering Institute (SEI) are now accepting abstracts for the fourth 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 and students. 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 Patrick Kinsella at pmk@shanwil.com by July 19, 2019. 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 16, 2019. The submitted abstracts and presentation slides will be assembled and included in the conference publication.

Accepting abstracts, sponsorships, and exhibitors.



EWRI St. Louis Announcements

The Green Roof Environmental Evaluation Network ([GREEN](#)) at Southern Illinois University Edwardsville is hosting a green roof and wall symposium in conjunction with Green Roofs for Health Cities on September 23 and a green roof professional training on September 24. Details will be shared in the future and [online](#).

EWRI St Louis Chapter will be holding elections for the position of Secretary/Treasurer. Elections will be held in early summer and the position will be for two years starting October 2019. If you would like to nominate yourself or know of someone interested, please email Robert Holmes at holmesrr@mst.edu.

EWRI will hold its next face to face business meeting at 10:00 AM, September 12, 2019 at Einsteins Bagels in Webster Groves. All interested members are invited to attend. For more information, contact Robert Holmes at bholmes@usgs.gov.

EWRI St. Louis Chapter is looking for more active engagement for its members. There are several opportunities to interact with your colleagues through monthly webinars, quarterly business meetings, and volunteer opportunities. We have particular need for additional volunteers to serve on our Monthly Webinar steering committee. Send email to Robert Holmes (holmesrr@mst.edu) if you have interest.

EWRI is in the planning stages for the Spring 2020 Water Water Everywhere day-long conference. Look for a survey to be forthcoming in the future seeking input on what St. Louis EWRI members would like to see for conference topics. Azadeh Bloorchian is next year's conference chair (Azadeh.Bloorchian@stantec.com)

MSPE June Luncheon

**Missouri Society of Professional Engineers
June Luncheon
Thursday June 20th, 2019
MSD Project Clear – Maline Creek**



Abstract:

Project Clear is a \$4 billion dollar Metropolitan St. Louis Sewer District (MSD) initiative to improve water quality throughout St. Louis City and County.

The Maline Creek Tunnel is the third Project Clear storage project to be constructed, and will be the first large diameter chamber to store combined sewer water. The underground storage facility will reduce the volume of discharge into Maline Creek, and ultimately, the Mississippi River.

The underground cavern is 175 feet below the ground surface, constructed through a 50' diameter circular shaft excavation supported by secant piles. Drill and blast techniques were used to excavate the cavern in an urban setting under a USACE floodwall. A mobile form carrier and 41' long segmental form is used to cast the 28' diameter cavern concrete liner. The three drop shafts have been drilled and excavated, along with the five vent shafts. A world record was set by Kiewit Foundations Group for the 11' diameter rock drill used to excavate the larger drop shafts. Intake structures were constructed within large excavations supported by either secant piles, or sheet piles. Each required internal bracing to excavation depths of 40 feet. The excavations have adapted to 100 year flooding, water main breakages and flooding, overhead and underground utilities, and varied groundwater conditions. The presentation will summarize the construction progress, methods, and challenges to date.

About the Presenter:

John Deeken is a geotechnical engineer for Black & Veatch residing near St. Louis, MO. John has over 14 years of professional experience in the US and 6 foreign countries, involved in construction and design of numerous power generation and transmission projects. He is experienced in heavy civil, marine, power generation, power transmission, and nuclear design and construction. As a geotechnical specialist he is a member of several ASCE, DFI, and AISC groups. He is currently the Resident Engineer for the Maline Creek CSO project.

Kevin Nelson is a civil engineer and construction manager for Black & Veatch in St. Louis, MO. During his 29 year career, he has been involved in the design and construction of numerous water and wastewater system projects throughout the United States. He is currently the Construction Manager of a program consisting of construction of five tunnels and three large relief sewer projects for the Metropolitan St. Louis Sewer District.

Time, Date, Location

11:30am to 1:00pm, June 20th, 2019, at the Engineering Center, 4359 Lindell, St. Louis 63018. Registration starts at 11:30am and lunch is served at Noon. The program will begin promptly at 12:15pm. One (1.0) PDH is available.

Cost

\$20/person, students and members in transition \$5

Registration

Please register and pay online using the link below for reservations by Friday before the event @ 5:00 PM. If you've signed up and can't make it, please cancel by Friday before the meeting or we may have to charge you for the meal. <https://mspe.org/event-3344359>

Contacts

Michael Buechter, PE, D.WRE, MSPE President

314-768-2555 office

mtbuec@stlmsd.com

<https://mspe.org/>

Eric Hollmann, PE, Program Chair

314-206-4232 office

Eric.Hollmann@wsp.com

Save the Date for Affiliate Society Summer Social



The Engineering Center's Summer Social

A night of fun where you can meet several affiliate engineering societies and contractors in the St. Louis metropolitan area!

Join us for drinks, including selections from a local microbrew, and award winning appetizers!

Come explore the three themed rooms (History, Sports and Innovation Room) of The Engineering Center.

Door prizes will be given away throughout the evening including Cardinals & Blues tickets.

THURSDAY, JULY 11TH, 4:00 P.M. – 9:00 P.M. WITH BAND TO PLAY FROM 7:00 P.M. – 9:00 P.M.

TICKETS: \$25.00 EACH; \$15.00 EACH FOR GOVERNMENT EMPLOYEES
CLICK TO REGISTER NOW

SPONSORS IN ATTENDANCE INCLUDES



For more information please contact Gina at gina@engineersclub.net

314.533.9336

4359 LINDELL BLVD. ST. LOUIS, MO 63108

Save the Date for 2019 SHMII-9



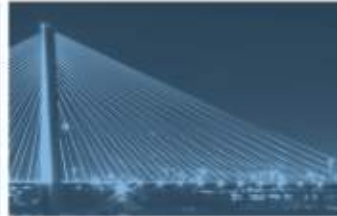
9th International Conference on Structural Health Monitoring of Intelligent Infrastructure

TRANSFERRING RESEARCH INTO PRACTICE

AUGUST 4-7, 2019

St. Louis, Missouri USA

Hyatt Regency at the Arch



Meet us in St. Louis for SHMII-9!

You are cordially invited to attend the 9th International Conference on Structural Health Monitoring of Intelligent Infrastructure (SHMII-9). SHMII-9 is focused on "Transferring Research into Practice" and calls for the attention and wide participation from researchers, engineers, owners and regulators.

The program will include:

August 4, 2019 – Pre-Conference Short Course

Structural Health Monitoring Using Fiber Optic Sensors

A course for civil engineers, researchers, managers and owners of infrastructures

August 5-7, 2019 – Full Conference

- Technical keynote lectures, invited lectures, podium sessions, student poster competitions, student-mentor career path sessions, panel discussion(s)
- Technical tours – includes demonstrations of advanced robotic and sensing technologies on real-world bridges
- Exhibit/Sponsor – Don't miss unique opportunities to partner with SHMII-9 as a sponsor or to reserve your exhibit space

Over 400 abstracts accepted in four tracks:

Research & Development
Technology Transfer
Technology Demonstration/Case Studies
Special Sessions

Sponsorship & Exhibition Opportunities

- Sponsorship packages available at platinum, gold, and silver levels.
- Exhibit to promote your organization and products – includes option for in situ bridge testing demonstration (*Note: demonstration option must be reserved prior to conference.*)

For full details, visit shmii-9.mst.edu/sponsors.

QUESTIONS? Our team is available to assist you!

Technical

Genda Chen, Ph.D., P.E., F.ASCE, F.SEI
SHMII-9 Conference Chair
573-341-4462 | gchen@mst.edu

Sreenivas Alampalli, Ph.D., P.E., F.ASCE, F.SEI
SHMII-9 Conference Co-Chair
518-457-4544 | Sreenivas.Alampalli@dot.ny.gov

Logistics & Registration

Global Learning –
Professional &
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SHMII-9 Conference Organizers
573-341-6222 | shmii-9@mst.edu
SHMII-9.MST.EDU

PLAN TO ATTEND

First time held in the USA

SHMII-9 represents the 9th official event in the biennial conference series sponsored by the International Association of Structural Health Monitoring of Intelligent Infrastructure (ISHMII). This is the first time the conference will be held in the USA. The State of Missouri is honored to host attendees of this prestigious conference. We hope you will bring your family and explore our state beyond St. Louis. Missouri is well known for its natural riverways, springs and caves. Other favorite vacation destinations include Branson and the Lake of the Ozarks.

www.visitmo.com

Conference Venue – Hyatt Regency St. Louis at The Arch

All conference activities will be held in the Hyatt Regency St. Louis at The Arch. Located in the heart of downtown St. Louis, the Hyatt is just steps from the iconic Gateway Arch – you won't want to miss the newly renovated arch grounds and museum depicting America's westward expansion and the explorers, pioneers and rebels who made it possible.

stlouisarch.hyatt.com

We look forward to welcoming each of you to St. Louis. For more information, visit –

shmii-9.mst.edu



MST Geotechnical and Pavement Doctoral Training

Department of Civil, Environmental, and Architectural Engineering at the Missouri S&T is recruiting 4-5 highly-motivated doctoral students in Geotechnical and Pavement engineering. Click [here](#) to find a flyer for the positions. For more information related to geotechnical research projects, please directly contact Dr. Xiong Zhang at zhangxi@mst.edu or 573-341-6286. Review of the materials starts on May 15 and until the position is filled.

Employment



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 Top Workplace by the St. Louis Post-Dispatch for 2017 and 2018. 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.

Transportation Project Engineer

CLASSIFICATION: FULL-TIME

OFFICE LOCATION: St Louis, MO

YEARS OF EXPERIENCE: 5-10 YEARS

Horner & Shifrin is seeking a full-time Transportation Project Engineer. This position requires 5-10 years of experience. This position is assigned specific, high-responsibility-level tasks on project teams; and are expected to resolve engineering/architectural problems and tasks as they are assigned; with help as needed, from more experienced staff.

POSITION REQUIREMENTS:

- Candidate will work under licensed engineer
- Will be trained/proficient in the use of Microstation and Geopak or AutoCAD Civil 3D
- Ability to produce construction bid documents (plans and specifications)
- Proficiency using Microsoft Office software (Outlook, Excel, Word)
- Other duties as assigned

EDUCATIONAL REQUIREMENTS: B.S. in Civil Engineering

SALARY RANGE: Salary will commensurate with experience.

THD Design Group

civil - geotechnical - surveying

Be a part of THD Design Group's growth in the local geotechnical community (formerly Gateway Geotechnical). Please respond in confidentiality, to our mailing address at 148 Chesterfield Industrial Boulevard, Suite E, Chesterfield, Missouri 63005, attention Geotechnical Services, or electronically to TMike@THDDesignGroup.com. Applicants may be subject to a background check and/or drug testing.

THD is planning potential re-organization and expansion in its Chesterfield valley location in the following positions ---

SENIOR GEOTECHNICAL ENGINEER (Possible advancement to Director of Geotechnical Services)

Sound basis in geotechnical engineering. Strong capability and experience in written and oral communications, including interaction with clients and review/mentoring of geotechnical engineering staff. Provides geotechnical engineering problem solving on a day-to-day basis as well as a responsibility to develop and maintain business relationships, responsiveness to client needs, and maintenance of project scheduling, invoicing, and budgeting. Performs more complex explorations and design considerations, as well as guiding the work of less-experienced geotechnical engineers. Participation in development of group guidelines and practices. Requires minimum of 15 years applicable and increasing experience, including leadership and character; and an MS degree in civil/geotechnical or geological engineering. Registration as a Professional Engineer in Missouri and Illinois is required. Established relationships and a working knowledge of legal, insurance, contract, and other business operations are pluses/required.

GEOTECHNICAL ENGINEER

Sound basis in geotechnical engineering. Strong capability and experience in written and oral communications. Includes planning and executing more routine exploration programs and other field testing, drilling/sampling, and construction activities including proficiency with geotechnical software, such as slope stability programs. Calculations include foundation type and excavation, bearing capacity and settlement, and construction of buildings and supporting structures for public and private clients. Requires minimum of 3 to 5 years applicable and increasing experience, and work towards an MS degree in civil/geotechnical or geological engineering. Registration as an Intern or Professional Engineer in Missouri and Illinois a plus.

GEOTECHNICAL TECHNICIAN

Full or part-time position for observation/coordination with clients and in-house engineers, relative to site preparation, sample collection, soil and rock compaction, and concrete testing. Some laboratory testing included. Requires minimum of 1 to 5 years applicable and increasing experience. Certification to operate nuclear density meter and other MoDOT field and laboratory certifications are pluses.

* * *



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.

Structural - Bridge Engineer

To accommodate the continued growth in our structural - bridge department, we are seeking a motivated and energetic individual for an entry level or project engineer position. Work will be out of our Collinsville, Illinois office.

The ideal candidate will possess the following:

- Bachelors or Masters in Civil Engineering with emphasis in structures
- EIT certificate or PE/SE license
- New graduate to 10 years of bridge design experience
- Proficient in MicroStation, and Microsoft Office
- Strong technical, communication and presentation skills
- Experience working with local agencies and State DOT's preferred
- Ability to conduct field visits for bridge inspections

Typical responsibilities will include:

- Bridge inspection and reporting
- Bridge type and location studies
- Preliminary and final design including the development of construction documents
- Development of estimates of probable construction cost
- Load rating inspection and analysis

We are seeking a civil engineering project manager and a project engineer to work in our Facilities Group. This position is ideal for a civil engineer that enjoys working on a team, meeting and working with clients on building and site development, drainage, utility, and campus development projects ranging from \$10K to \$20M projects. Work will be out of our Collinsville, IL and St. Louis, MO offices.

Civil Engineer - Project Manager

The ideal candidate will also possess the following:

- Bachelors in Civil Engineering – Masters is a plus
- PE license or ability to get a license within 6 months
- 4 - 15 years of experience working with both governmental and private clients in Missouri and Illinois
- Proficient in AutoCAD Civil3D and Microsoft Office
- Strong writing and presentation skills
- Strong Technical skills in one or more of the following areas is a plus:
 - Hydrology and Hydraulics

- Development Review for Municipalities
- Multi-Use Path and Park Design
- Commercial Site Design
- Water and Sewer Design

Typical responsibilities will include:

- Meeting with clients and potential clients to discuss projects
- Developing manhour estimates and proposals
- Managing project scope, schedule, and budgets
- Collaborating with project engineers, peers, and managers to develop designs
- Developing bid and construction documents
- Developing construction cost estimates
- Performing construction administration during construction operations

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



Structural Engineer II

www.lochgroup.com

Lochmueller Group is currently seeking a Structural Engineer II to work in the St. Louis, MO office, St. Charles, MO office, or Troy, IL office.

The Structural Engineer II will focus is the preparation of plans and/or reports associated with new and rehabilitated highway bridges and other structures to include retaining walls and water/wastewater structures and facilities. The Structural Engineer II has developed the skills and expertise required to assign and delegate tasks for a small number of junior staff in the production of work.

Duties:

- Assisting with the development of project scopes, budgets and schedules for contract development.
- Coordinating with other Lochmueller Group departments and sub-consultants to assign project scope, budget and schedule.
- Organizing work flow within the design team assigned and taking responsibility for the timely completion of the tasks assigned within allocated budget and schedule.
- Performing design type functions related to geometric and structural design, hydraulic computations and plan preparation, including structural details utilized in CAD.
- Develops computer models in various software to aid in design development
- Performs quantity computations and cost estimates
- Prepare and develop various preliminary engineering studies.
- Performs a quality check of work assigned to junior staff and Engineering Technician/Designers.
- Lead or Perform bridge inspections in accordance with NBI Standards, load ratings and develops inspection reports.
- Communicating the status of the project task assignment status to the Project Manager.
- Performing verification that project designs are in conformance with the latest design specifications.
- Performing related work as required.

Qualifications:

- Registered Professional Engineer
- MoDOT & IDOT bridge project experience preferred.
- In-depth knowledge of Microstation or AutoCAD
- In-depth knowledge of structural software
- In-depth knowledge of Microsoft Office products
- Ability to work well independently and in a team environment.
- Strong verbal and written communication skills.

Education:

- B.S. in Civil or Structural Engineering from an ABET accredited institution.

Experience:

- 4+ years of experience

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

To submit items to the newsletter...

Please try to get all announcements for placement in the newsletter to the Newsletter Editor by the 20th of the month prior to publication. Items may be sent via e-mail to Xiaomin (Sophie) You (ASCE newsletter editor) at xiaomin.you@wsp.com. **MS Word files are the preferred file type.** PDF files are also acceptable but may not look as sharp when inserted into the newsletter and hyperlinks might not carry through to the final version. For multiple page announcements, please consider providing 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). 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 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.

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ASCE – St. Louis Section
c/o The Engineering Center
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