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Upcoming Events

February

- 12 – YMG meeting
- 14 – Sustainability Seminar
- 15 – MSPE Awards Banquet
- 18 – EWRI webinar
- 17-23 – E-week events
- 19 – E-week Luncheon
- 26 – Geo-Institute webinar

Follow the Section and share with your network.



Engineers Week, February 17-23, 2019

Every February, the St. Louis region hosts a variety of events around the metropolitan area highlighting the engineering profession and industry called **St. Louis Engineers' Week**. The Engineering Center coordinates professionals to participate in many events around the St. Louis region that highlight the engineering industry and profession. For details of the forthcoming events, please check the [E-Week Flyer](#).

2019 Annual Engineers Luncheon, Tuesday, February 19.

THE ENGINEERING CENTER

2019 ANNUAL ENGINEERS WEEK LUNCHEON

Engineers: Amazing

Tuesday, February 19 @ Clayton Plaza Hotel

registration 11:30 am
 lunch 12:00 pm
 presentation 12:45-1:30 pm

For Reservations Visit: engineeringcenter.org/luncheon

DISCOVER ENGINEERS WEEK
 FEBRUARY 17-23, 2019

sponsored by

LION

ASCE
 ST. LOUIS SECTION

The Big A-M-A-I
 How to Embrace Today's Trends to Create Tomorrow's Opportunities

Acclaimed Speaker Jack Uldrich

Jack Uldrich is a renowned global leader and the bestselling author of eleven books. He is a frequent guest on national media and regularly speaks at the ASCE Council's national programs, "Innovation" and the Younger Member Group "Think Big." He is a prolific speaker on technology, design management and leadership and has addressed Fortune 500 corporations, various media outlets, associations, not-for-profit organizations and state and regional governments in five continents. He has 14 patents, numerous awards and has co-authored two books.

Officers & Directors 2018 - 2019

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President's Message



If you are reading this, you have successfully survived Polar Vortex 2019. While we didn't see our daily high temperatures well below zero like our friends up north, the cold weather placed a strain on our infrastructure, causing water main breaks and power outages across the Midwest. These issues not only highlight our continued need to promote the maintenance of our aging infrastructure, but also an essential aspect to our engineering designs: Resiliency. As engineers, our projects often impact large sections of society and are pushed to their limits at the most inconvenient times. The extreme heat and cold push our electrical, water, and transportation systems to their extremes when they

can least afford to break down. Incorporating resiliency into our designs is key to provide a system which will survive the next test.

Our efforts in sustainability have been noted over the years and one of the key outcomes is the understanding of resiliency as the best way to reduce waste. Simply put, if it doesn't need to be torn down and replaced after a disaster or can be made to last longer, it saves far more resources than those required to build it better the first time. While this seems obvious, it is not always at the front of mind when owners are making these key decisions. This is why it is important that engineers be at the forefront of the discussion and lead the charge for full lifecycle analysis and big picture thinking when key decisions are made.

February brings around another opportunity to inform the general public of the important role engineers play in society and how we can provide leadership in planning our future. February 17th – 23rd is National Engineers Week. Founded in 1951 by the National Society of Professional Engineers, Engineers Week is dedicated to informing the public about engineering and ensuring a diverse and well educated engineering work force in the future through outreach effort. It is an excellent opportunity to brag about what we do and how we make this world a better place to live.

To this end, ASCE will be presenting at the [SciFest Engineering Expo](#) at the St. Louis Science Center on February 23rd and 24th. We will have the St. Louis Section's Display booth as well as hands on activities for kids of all ages. If you are interested in volunteering, please contact [Brandi Jones](#) (Younger Member Chair) for additional information. If you aren't able to volunteer, I strongly encourage you to bring friends, family, and lots of small future engineers to the Science Center to see the great work ASCE and other Societies have on display.

Best Regards,

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

cmschrand@hornershifrin.com



7th Annual Legislative Drive-in to Jefferson City
Promoting Infrastructure Development
Wednesday, April 3, 2019

Our goal is to introduce ourselves and ASCE to our state senator and representative and discuss the urgent need for infrastructure construction in Missouri to facilitate job growth today and invest in our children's future. Please contact your state senator and representative and schedule meetings between

1:00 - 3:00 pm on that day. You can call or email them.

We will meet in the Third Floor Rotunda Alcove at 11:00 for a catered lunch, followed by training on the issues and how to effectively speak with legislators. Please download the Save America's Infrastructure app from ASCE to your smartphone or pad from Google Play or iTunes. It includes ASCE's National 2017 Infrastructure Report Card and Missouri's 2018 Infrastructure Report Card. We will provide additional materials for you to share with your elected officials.

Discussion Points to Include:

1. Asking legislators to prepare a clearly worded ballot measure for a fuel tax increase to fund highway improvements.
2. Asking for qualifications based selection (QBS) for public contracts.
3. Keeping an engineering licensing board to license Civil Engineers.

To register, contact Dennis Boll at 314-568-3125 or dboll@geotechnology.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.

Life Member Committee - The Life Member Committee Coordinator serves as a contact point for life members, keeping life members informed about the activities of the chapter and organizing any life-member oriented activities.

Introducing ASCE to High School Students

Past-President **Lyle Simonton** spoke to students at the Academic Challenge (formerly WYSE) competition at Southwestern Illinois College (SWIC) on Friday, February 1. The ASCE St. Louis Section is a sponsor of this event, which brings in approximately 250 students from area high schools who compete by taking tests mostly in the STEM-related subjects. Lyle also spoke to a Calculus III class about engineering careers and specifically civil engineering.



ASCE St. Louis & Kansas City Sections Respond to MO State of the State Address

Sheryl Gallagher, the chair of the 2018 Report Card for Missouri's Infrastructure and member of the Kansas City Section, published an editorial response to Governor Parson's State of the State Address in the St. Louis Post-Dispatch: "[Missouri needs long-term investment to fix its infrastructure.](#)" St. Louis Section members **Dennis Boll** and **Alison Graves** provided input on the article, along with members from the Kansas City Section and ASCE Society Government Relations staff. As the Civil Engineering experts, we want to do our part to keep infrastructure investment in the public eye and maintain pressure on our elected officials to find solutions together.

While the editorial was also submitted to the Kansas City Star, their editorial board released their own response to the State of the State address: "[Gov. Mike Parson should try again to pass a gas tax for crumbling Missouri highways.](#)" We support their evaluation of Proposition D and recommendation that the Legislature put forth a clean ballot measure for the people of Missouri.

Get the grades and read more about Missouri's infrastructure needs in our [2018 Report Card!](#)

Stay up on Missouri Government Relations news by following our [LinkedIn Page!](#)

A 70-Year Member Has Passed Away - Milton Terry

Randolph Milton Terry (Milton) was born Feb 15, 1926 in Overland, MO (North St. Louis County). He grew up there, entered the Army-Air Force near the end of WWII. He married Monette LaSource while enrolled at the Missouri School of Mines and Metallurgy (MSM). She passed away in 1986. They had a daughter, Sharon Terry Wolz Oatis, two grandchildren, Meredith Wolz Peterson and Nathan Oatis and a great-grandchild. He lived in St. Louis County the whole time except when on remote assignments. In November 2017, he moved to Friendship Village – Chesterfield. He passed away there on January 10, 2019 at age 92, shortly before his 93rd birthday.



Milton graduated from MSM with a BSCE degree in June of 1950. He went to work at Fruin-Colon, St Louis, MO in 1950 and stayed there until 1967, after which he went to work at Sverdrup & Parcel in St. Louis, MO. He worked there until he retired in 1993. He was registered as a PE in Missouri and as a PE and SE in Illinois. He was a 70-year member of ASCE.

Over the years, Milton was a structural design engineer, construction supervisor and group leader on many projects within the U.S. and overseas. Examples include the Illinois State Penitentiary in Vienna, a 750,000 KW power plant in Memphis, TN, an oil pipeline project in Algeria, a McDonnell-Douglas Harpoon Missile Assembly Plant in St. Charles, MO and a McDonnell-Douglas Rocket Facility in Arizona. Projects in Saudi Arabia included military bases and an Administration Building in Riyadh for the Saudi Government.



Sustainability Committee

ASCE St. Louis Sustainability Committee Seminar Title: ASCE Initiative on Sustainability

Speaker:

Michael T. Buechter, P.E., D.WRE

Date and Time:

Thursday, February 14, 2019, 4:30 PM – 5:30 PM

Seminar Information:

Location: Havana Room, 4240 Duncan Ave, St. Louis, MO 63110

Free drink will be provided at the venue by Venture Café St. Louis

Attendees will earn 1 PDH

Event is FREE

RSVP at <https://goo.gl/Ch5US5>

Short Description:

This presentation will provide an overview and introduction to basic sustainability concepts. This will include an introduction of the American Society of Civil Engineer's (ASCE) strategic initiative on sustainability and the Envision rating system. ASCE stands at the forefront of a profession that plans, designs, constructs, and operates society's economic and social engine – the built environment – while protecting the natural environment.

About the Speaker:

Mr. Michael T. Buechter, P.E., D.WRE is a Program Manager with the Metropolitan St. Louis Sewer District where he leads a diverse team responsible for in-house engineering design and the District's Small Sewer Contractor Construction Program. Mr. Buechter is a past Director of the Engineers' Club of St. Louis, Past-President of the ASCE St. Louis Section, Past-Chairman of the local chapter of EWRI and current President of the St. Louis Chapter of MSPE.



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



**GEO-
INSTITUTE**
St. Louis Chapter



Geo-Institute of ASCE – St. Louis Chapter

Presents a webinar titled

**A Data Base and Recommendations on
320 Failed MSE Walls with Geosynthetic Reinforcement**

- DATE AND TIME:** Tuesday, February 26, 2019
Doors open at 10:00AM for registration
Live webinar from 10:30AM to 12:00PM
Pizza and soda/water will be provided.
- LOCATION:** Geotechnology, 11816 Lackland Road, Suite 150, St. Louis, MO 63146
Remote access is not available.
- COST:** \$10.00 per person. Payment can be made by cash, credit card, or check (payable to ASCE St. Louis Section).
- PDH:** Attendees will earn 1.5 PDH
- RSVP:** *Please register by Friday, February 22 at <https://goo.gl/8r25D8> (case sensitive)*

Who should attend:

Reinforced MSE wall and slope design engineers, general civil, geotechnical and geosynthetic consulting engineers, private property developers and architects, permitting engineers from municipal districts and townships, contractors and installers of these systems, and Insurance companies and attorneys.

Topics include:

- Data on 320 quite similar failures (estimated to be about 8% of the total worldwide failures)
- Bring attention to this serious situation with respect to geotechnical and geosynthetic engineering communities
- Four main design and construction issues which are felt to be greatly contributing to the failures
- Use of fine grained silts and/or clay backfill soils
- Poor compaction of these fine-grained soils
- Need for removal of internal drainage and piping systems
- Need for proper surface and adjacent water control

If you've signed up and can't make it, please cancel with Jake Schaeffer (jschaeffer@mps-il.com) or 314-560-9154) by Friday, February 22 or we will have to charge you for the meal.



**GEO-
INSTITUTE**
St. Louis Chapter



Call for Abstracts

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

Case Histories Seminar and Student Projects

DATE: Thursday, April 11, 2019

TIME: 5:00 pm to 8:30 pm

LOCATION: Engineers Club of St. Louis, 4359 Lindell Boulevard, St. Louis, MO 63108

Registration includes a buffet dinner. PDH credit will be available.

The Geo-Institute is accepting **abstracts** for our annual Case Histories Night. The committee is seeking speakers to provide a 60-minute presentation focused on geotechnical engineering projects. Please submit abstracts to Shari Cunningham (Shari@THDdesigngroup.com), Geo-Institute chair.

Student research posters will be on display during the registration/networking period, and selected students will give brief presentations on their topics.

A limited number of **sponsorship opportunities** are available for this event. If interested, please contact Jake Schaeffer (jschaeffer@mps-il.com), Geo-Institute vice chair.

Younger Member Group Update



From monthly meetings to community service, we're having a great year so far, and there is still more to come!! Come on out and help us make it the best spring yet!

Polo Order: Free for active YMs (attendance at one meeting), and \$25 for others. Orders must be submitted by February 10th. [Order Form](#)

Our YMG is looking for potential professional development and/or community service activities. Whether it's social activities, networking, seminars, technical tours, etc. we want to hear about what would interest you the most. [Younger Member Engagement form](#).

**Our SIUE area meeting is coming up this month!
We're looking forward to our first meeting networking with students!**

**February YMG Meeting:
Tuesday, February 12, 2019
The Lake House
2822 N. Center St., 62062
6 pm to 8 pm**

[*\\$20 Amazon Gift Card Giveaway for any YMs who offer two ideas for professional development and/or community service activities by February 10.](#)

See the following page to get our full list of meetings this year!

YM Upcoming Events:

- February 8-9 – CRYMC at the Multi-Region Leadership Conference (Dallas, TX)
- February 23 – SciFest at the St. Louis Science Center -
- May 4 – Rebuilding Together

Contact Brandi Jones, YMG Chair, at bnjones.asce@gmail.com if you have any questions or comments regarding the YMG Update.

YMG 2018-2019 Calendar

*Subject to change throughout the year

October YMG Meeting:

Thursday, October 11, 2018
Urban Chestnut
4465 Manchester Ave, 63110
6 pm to 8 pm

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

November YMG Meeting:

Thursday, November 8, 2018
Hotshots
1319 Central Park Dr, 62269
6 pm to 8 pm

December YMG Meeting:

Thursday, December 13, 2018
International Tap House
16 S. Euclid Ave, 63108
6 pm to 8 pm

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

January YMG Meeting:

Thursday, January 10, 2019
Flannery's Pub
1320 Washington Avenue, 63103
6 pm to 8 pm

<http://flanneryspub.com/>

February YMG Meeting:

Tuesday, February 12, 2019
The Lake House
2822 N. Center St., 62062
6 pm to 8 pm

March YMG Meeting:

Thursday, March 14, 2019
Fieldhouse
510 N Theresa Avenue, 63103
6 pm to 8 pm

<http://fieldhousetl.com/>

April YMG Meeting:

Thursday, April 11, 2019
McGurk's
1200 Russell Blvd, 63104
6 pm to 8 pm

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

May YMG Meeting:

Thursday, May 9, 2019
Start Bar
1000 Spruce Street, 63102
6 pm to 8 pm

<http://startbarstl.com/>

ASCE Construction Committee Tour

ASCE Construction Committee Tour to Ben Hur Steel Worx

5319 Shreve Avenue, St. Louis MO 63115

Tour starts at 4pm on March 6, 2019

Space is limited.

Please contact Anne Werner at awerner@siue.edu.

Please put "ASCE March Tour" and/or "Ben Hur Steel Worx Tour" in the subject line.

EWRI St. Louis Announcements

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 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 are looking for volunteers to serve on both our Spring Seminar ("Water Water Everywhere") steering committee and Monthly Webinar steering committee. Send email to Robert Holmes (holmesrr@mst.edu) if you have interest.



EWRI St. Louis Monthly Speaker Series Event

The St. Louis Section of EWRI is pleased to announce our monthly webinar on **Thursday, February 21 at 11:30 am-12:30 pm.**

This presentation will be broadcast live over a webinar. Registration is free to ASCE members, **Advance registration is required by Noon Monday, February 18, 2018.** Please register online in advance at the following link:

<https://docs.google.com/forms/d/e/1FAIpQLSett23vrZ79L3B3VtnV5nxypqgVBOXiwBaIpaOJF2ZFROB4ng/viewform>

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

Hydrological Alteration and Riverine Ecosystems

Anthropogenic activities such as river modification, dam operation and land use changes have altered the natural hydrologic regime and stream water quality resulting in degraded riverine ecosystems. The quantification of the impact of anthropogenic activities on riparian and riverine systems is important for sustainable environmental management. This presentation focuses on modeling, predicting and quantifying the impact of anthropogenic activities on riverine and ecosystem (aquatic and riparian) processes.

Speaker: Rohan Benjankar is an assistant Professor at Southern Illinois University Edwardsville in the Department of Civil Engineering. His background is Civil Engineering and his experience spans several focus areas within water resources engineering and management and watershed hydrology. He has a particular emphasis on river floodplain physical habitat, aquatic and riparian ecosystems and river restoration. He has published research in several peer-reviewed international journals. His projects have focused on integrated watershed hydrology, river hydraulics and habitat modeling (aquatic and riparian vegetation), fluvial geomorphology, sediment transport, stream water quality, storm water management and urban flood hazard. Rohan began his studies in Nepal and completed his Ph.D. at the University of Idaho in 2009 at the Center for Ecohydraulics Research.

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.



ENVIRONMENTAL &
WATER RESOURCES
INSTITUTE
St. Louis Chapter

THE ASCE ST. LOUIS SECTION AND EWRI PRESENT
2019 Environmental & Water Resources Institute Spring Seminar

WATER, WATER, EVERYWHERE

Join us for an informative ASCE/EWRI-sponsored seminar addressing current and emerging water-related topics in our region including drinking water, stormwater, and wastewater.

Seminar will be held at:
SAINT LOUIS UNIVERSITY
II Monastero Room
Monastero Banquet Center
3050 Olive St.
St. Louis, MO

Friday, March 8, 2019

Registration 7:30 AM to 8:15 AM
Program 8:15 AM to 3:45 PM
6 PDHs provided
Program TBA
Continental Breakfast and Lunch included

Cost

\$70 for Members
\$100 for Non-members
\$30 for Students

Online Registration available at the link below:

[Register HERE](#)

Questions?

Jiaman Xu
ASCE/EWRI Spring Seminar Committee Chair 314-880-4431
jxu@civildesigninc.com



**St. Louis Chapter- Missouri Society of
Professional Engineers
68th National Engineers Week Reception
and Awards Program**

When:

Friday February 15th 2019
6:30-8:30 PM

Where:

The Engineering Center
4359 Lindell Blvd
St. Louis, MO 63108

Program:

Networking at 6:30 PM
Dinner at 7:00 PM
Program Begins at 7:30 PM

RSVP to:

<https://mspe.org/event-3194316>
Registration will be closed Tuesday
before the event.

2019 Award Recipients

AWARDS WILL BE GIVEN FOR THE CATEGORIES LISTED BELOW

OUTSTANDING PE IN GOVERNMENT

Tom Blair, P.E.
MoDOT
District Engineer

OUTSTANDING PE IN EDUCATION

Paul Nauert, P.E.
Adjunct Professor
Washington University in St. Louis/Umsl

YOUNG ENGINEER OF THE YEAR

Eric Stauffer, P.E.
Electrical Engineer
Burns & McDonnell

OUTSTANDING PE IN PRIVATE PRACTICE

Allen Minks, P.E.
Senior Consultant
Terracon

ENGINEER OF THE YEAR

Ron Black, P.E.
Manager, Supply Chain and Facilities Continuous
Improvement
Ameren

Save the Date for 2019 GeoMO

GeoMO will be an all-day geotechnical conference on May 10, 2019 in St. Louis, Missouri. The event is organized by Missouri University of Science and Technology. Visit <https://geomo.mst.edu/> for more information.



SAVE THE DATE

DATE: Friday, May 10, 2019 | 8 a.m. – 5 p.m.

LOCATION: St. Louis, Missouri

SPEAKER:



Keynote lecture by:

W.D. Liam Finn, Ph.D.

Professor Emeritus University of British Columbia
President, Pan-American Engineering and Computing

ORGANIZED BY: MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY
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for more information

WHO SHOULD ATTEND:

- Geotechnical Engineers
- Civil Engineers
- Environmental Engineers
- Geophysicists
- Geologists/Hydrogeologists
- Bridge/Infrastructure Engineers
- Designers of —
Restoration of Pavements
and Other Infrastructures
- Owners and Operators
- Planners and Regulators
- DOT Engineers
- Graduate Students

6 Professional Development Hours
for professional licensure requirements



GEO MO

2019

LEARN MORE
geomo.mst.edu

I CEE AT ILLINOIS



I STRUCTURAL
ENGINEERING
CONFERENCE

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-2019>

Thursday, April 11th 2019

I Hotel and Conference Center

1900 S. First Street, Champaign, IL 61820

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

I ILLINOIS

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.

Building Structural Project Manager - St Louis

YEARS OF EXPERIENCE: 7-10 YEARS

Horner & Shifrin is seeking a driven and goal orientated Building Structural Engineer for the growing Building Services Structural Team. The selected candidate will work with clients and project teams on the design, analysis, and evaluation of structural systems in steel, concrete, timber, and masonry. The ideal candidate will be eager for opportunities in professional and client development.

POSITION REQUIREMENTS:

- Licensed PE, SE preferred
- Ability to perform complex design calculations
- Ability to create construction documents (plans & specifications)
- Proficient in AutoCAD, Revit Structure, Ram Structural System, and structural analysis software
- Excellent verbal and written communication skills
- Must possess a valid driver's license
- Must be able to pass a background check
- Team player

EDUCATIONAL REQUIREMENTS: M.S. in Civil Engineering with an emphasis in Structural Engineering.

SALARY RANGE: Salary will commensurate with experience.

Building Structural Project Engineer - St Louis

YEARS OF EXPERIENCE: 4+ YEARS

If you are seeking to join a reputable engineering firm that operates by the principles of exceeding the highest standards of integrity, while cultivating a challenging, rewarding and safe environment for our employee-owners, then we want you!

Horner & Shifrin is seeking a driven and goal orientated Building Structural Project Engineer to support our growing Water division. The ideal candidate will have 4+ year's experience. The selected candidate will work with project managers and teams on the design, analysis, and evaluation of structural systems in steel, concrete, timber, and masonry. The ideal candidate will be eager for opportunities in professional and client development.

POSITION REQUIREMENTS:

- Licensed PE, SE preferred
- Ability to perform complex design calculations
- Ability to create construction documents (plans & specifications)
- Proficient in AutoCAD, Revit Structure, Ram Structural System, and structural analysis software
- Excellent verbal and written communication skills
- Must possess a valid driver's license
- Must be able to pass a background check
- Team player

EDUCATIONAL REQUIREMENTS: B.S. in Civil Engineering with an emphasis in Structural Engineering. Masters preferred.

SALARY RANGE: Salary will commensurate with experience.

Business Development Manager - St Louis

Horner & Shifrin is seeking an experienced driven and goal orientated Business Development Manager for the growing Business Development Team. The selected candidate will be responsible for securing new business opportunities as well as maintaining existing business. The ideal candidate will work closely with and support the leaders in the firm to maximize the effectiveness of client relations.

POSITION REQUIREMENTS:

- Comprehensive knowledge of firm's practice, clientele, goals, policies and procedures.
- Excellent leadership/managerial and mentoring/teaching skills.
- Possess strong business development skills with a proven record of accomplishment of selling on value and building relationships.
- Must possess a high level of professionalism and interpersonal skills to be able to work well with employees at all levels within the organization and maintain all information in strict confidence.
- Must possess attention to detail, ability to balance multiple projects and have strong time management skills.
- Follow through in a consistent manner
- Valid driver's license
- Must pass a background check

EDUCATIONAL REQUIREMENTS: Bachelor degree in Business or related field.

SALARY RANGE: Salary will commensurate with experience.

Transportation Project Engineer

CLASSIFICATION: FULL-TIME

OFFICE LOCATION: O'Fallon, IL; Chicago, IL

YEARS OF EXPERIENCE: 2-10 YEARS

Horner & Shifrin is seeking a full-time Transportation Project Engineer. This position requires 2-10 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.

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.

Transportation Engineer

CLASSIFICATION: FULL-TIME

OFFICE LOCATION: St Louis, MO

YEARS OF EXPERIENCE: 0-5 YEARS

Horner & Shifrin is seeking a full-time Transportation Engineer. This is an entry-level position and requires 0-5 years of experience. This position is assigned specific tasks on project teams; and is expected to resolve engineering problems and tasks, as needs arise; 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 Geopack 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.

Transportation Project Manager

CLASSIFICATION: FULL-TIME

OFFICE LOCATION: CHICAGO, IL

YEARS OF EXPERIENCE: 10+ YEARS

Horner & Shifrin is seeking a full-time Transportation Project Manager. This position requires 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:

- Licensed professional engineer in Illinois
- Interact and communicate with clients, vendors and staff of all levels
- Ability to lead, manage and schedule staff to meet project needs
- Proficiency using Microsoft Office Products (Word, Excel, Access)
- Experience using at least one CADD platform (MicroStation or AutoCAD)
- Knowledge of at least one highway design package (Geopak SS4 or Civil3D)
- Critical thinking and analysis
- Perform transportation engineering analyses and calculations
- Prepare and write engineering and other reports
- Strong client relationships and ability to develop business
- Field visits on rough terrain per project needs
- A valid driver's license and the ability to drive to and from job sites.
- Other duties as assigned

PREFERRED REQUIREMENTS:

- Experience working directly with the Illinois Department of Transportation or Illinois State Toll Highway Authority
- Existing business development relationships with key staff in Greater Chicagoland area.

EDUCATIONAL REQUIREMENTS: B.S. in Civil Engineering

SALARY RANGE: Salary will commensurate with experience.

Business Unit Leader, Building Services (Mechanical, Electrical, Plumbing & Fire Protection)

CLASSIFICATION: FULL-TIME

OFFICE LOCATION: ST. LOUIS, MO

POSITION REQUIREMENTS:

- Responsible for successfully leading, setting the strategic direction and growing the firm as well as their individual business unit.
- Delivers profit and growth within the business unit.
- Oversees quality control / quality assurance processes within the business unit.
- Monitors trends and developments within the industry and proactively positions the firm to take advantage of opportunities.
- Cultivate a challenging and supportive climate within the business unit to foster a high level of employee satisfaction, performance, growth, and commitment.
- Directly and indirectly supervises employees in the MEP Business Unit. Carries out supervisory responsibilities in accordance with the Firm's policies and procedures and applicable laws. Responsibilities include interviewing, hiring, training and developing employees; planning, assigning, delegating, and directing work; appraising performance; rewarding and disciplining employees; addressing complaints and resolving problems.
- Regularly reviews workload projections and resources and recommend adjustment as necessary to fulfill commitments. Review invoices, cost data, schedules, and budgets with appropriate managers to ensure completion on a timely basis.
- Proactively coordinates with business development staff to maintain a proper level of backlog.
- Identify and convert new business opportunities to contract backlog.
- Direct relationship building, potential project development, proposal development and contracting between the Firm and clients.
- Coordinate and interface with sub-consultants, other internal office and external agencies, as appropriate.
- Perform project manager duties, primarily limited to major projects of high complexity.

EDUCATIONAL AND EXPERIENCE REQUIREMENTS: B.S. in Civil, Mechanical, Electrical, or Fire Protection Engineering; advanced degree in preferred. 15-20 years of significant technical experience in public or private sector. Experience managing a team is required. Existing business development relationships with key staff in area municipalities is preferred.

SALARY RANGE: Salary will be commensurate with experience.



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.



Senior Bridge Project Engineer

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

Job ID: 1018-19763

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>.

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

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/stlouis/index.html>. 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/stlouis/index.html](http://sections.asce.org/stlouis/index.html)

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

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



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