

September 2018

President's Message 2
Younger Member Leadership Symposium 3
Committee Chair Openings 3
Annual ASCE/ASLA Golf Tournament 4
EWRI St. Louis News 5
ASCE YMG Trivia Night 6
2018 GeoConfluence Scholarship Applications 7
2018 Geo-Structures Confluence 8
USGBC Event: Water Infrastructure 9
The 61st Annual Missouri S&T Asphalt
Conference 11
Employment 12
To submit items to the newsletter... 19

Upcoming Events

September

- 7 – Annual ASCE/ASLA Golf Tournament
- 14 – USGBC Event: Water Infrastructure
- 20 – EWRI webinar
- 21 – ASCE St Louis Annual Awards Dinner

Follow the Section and share with your network.



R.S.V.P.

ASCE ST. LOUIS SECTION
2018 ANNUAL AWARDS DINNER

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

THE EVENING OF FRIDAY,
SEPTEMBER 21, 2018

Tickets \$40/person

The Moto Museum
3441 Olive St., St. Louis, MO 63103
Parking Provided

Doors open at 6 P.M. – Food Service at 6:30 P.M.

HOPE TO SEE YOU THERE!

R.S.V.P. by 9/14/18. Contact: Britt Marron, Annual Dinner Chair

Registration Link: <https://goo.gl/z6X1GW>

314.206.4266

Officers & Directors 2017 - 2018

President

Lyle Simonton
Subsurface Constructors, Inc.
101 Angelica St.
St. Louis, MO 63147
Phone: 314-421-2460 x101
Fax: 314-421-2479
E-mail:
lsimonton@subsurfaceconstructors.com

President-Elect

Chad Schrand
Horner & Shifrin, Inc.
401 S. 18th St., STE. 400
St. Louis, MO 63103-2296
(314) 335-8670
E-mail: cmschrand@hornershifrin.com

Vice President

Brent Vaughn
Department of Civil Engineering
Southern Illinois University Edwardsville
Campus Box 1800
Edwardsville, IL 62026
Phone: 618-650-3533
Fax: 618-650-2555
E-mail: brent.vaughn.asce@gmail.com

Secretary

Jordan Pettibone
Horner & Shifrin, Inc.
604 Pierce Blvd., Suite 300
O'Fallon, IL 62269
Phone: (309) 369-5776
E-mail: jepettibone.asce@gmail.com

Treasurer

John Weiland
WadeTrim
500 North Broadway, Suite 1340
St. Louis, MO 63102
E-mail: jweiland@wadetrim.com

Director of Administration

Melantha Norton

Director of Professional Development

Alison Graves

Director of Technical Development

Chris Toenjes

Past President

Matt Harper

President's Message



The end of September brings an end to the year for the ASCE St. Louis Section. As always, we plan to end the year on a high note as we celebrate a year of great success at our Annual Awards Dinner, which will be held Friday, September 21 at The Moto Museum. We will be awarding scholarships to several students from our region's universities, and presenting awards for Professional Recognition, the Project of the Year, and the Outstanding Younger Member. We will also swear in a new Executive Board. If you haven't already registered to attend, I strongly encourage you to do so. Even if you haven't had a chance to attend many ASCE events lately, this is a great opportunity to get to know your Executive Board, and to learn more about ASCE on the St. Louis Section level.

In 2018, we were honored to receive ASCE's runner-up Outstanding Section and Branch Award and the organization's Diversity and Inclusion Award. Our committees organized and supported many great events, including the GeoStructural Confluence, several successful EWRI webinars and the Spring Seminar, and the Mid-Continent Student Conference at SIUC. Many of our members volunteered their time for several STEM and civil engineering educational opportunities with students of all ages.

I'd also like to acknowledge the time and effort put forth for the Missouri Infrastructure Report Card release in April. This was a huge undertaking by both the Kansas City and St. Louis Sections, and our section's role was strong due the leadership and organization of Alison Graves and Dennis Boll. They and everyone else involved should be commended, as this effort contributed to the formation of Proposition D on the November ballot, giving Missourians the opportunity to vote on an increased state fuel tax. If passed, this would result in much needed new funding for Missouri's roads.

Although the ASCE St. Louis Section had a very successful year, and are in a great position moving forward, we still have things to work on. We were able to fill a couple of our vacant committee chair positions, but have had others remain open (Membership Champion) or become open (Career Guidance). There are many things our committees currently do to encourage ASCE membership, but a Champion for this cause is needed to organize the effort, and make sure we're maximizing our potential to develop new members and retain existing ones. If anyone is interested in either of these positions, or just getting more involved in general, please send me an email.

I'd like to extend my sincere appreciation to all of the members of the Executive Board and the Committee Chairs for all of their time and effort that they have volunteered to make our section successful. We have excellent individuals in all of these positions, and their energy and excitement for promoting our profession and the organization should make us all proud. I have no doubt that your incoming President Chad Schrand will do a great job in this role, as he has in all of his years of ASCE leadership.

I plan to stay involved with ASCE in other capacities, and look forward to seeing the continued success of the ASCE St. Louis Section.

Respectfully,
Lyle Simonton, P.E.
lsimonton@subsurfaceconstructors.com

Younger Member Leadership Symposium



Brandi Jones and Siavash Zamiran had the opportunity to represent our Section and gather with other Younger Members from around the nation at the annual Younger Member Leadership Symposium in August 2018. The Symposium, held at the ASCE Headquarters, provides Younger Members with a great opportunity to network and to grow both personally and professionally. We developed personal visions, dove into project management tactics, and discussed communication styles – all of which encouraged new perspectives on life in and out of the workplace and hone in on further developing our leadership skills. We hope to explore some of the discussion points over the

next year with our YMs while focusing on growth of our members.

“YMLS is a bridge which connects young engineers with common enthusiasm and areas of interest and provides an opportunity for sharing their ideas, knowledge and expertise with each other.” – Siavash

Mark your calendars for the first YMG meeting of the fall!

October YMG Meeting: 6 pm to 8 pm, Thursday, October 11, 2018,
Urban Chestnut, <http://urbanchestnut.com/home/> 4465 Manchester Ave, 63110

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.”

Membership Champion - The Membership Champion will be responsible for promoting membership in ASCE of all qualified civil engineers, and to encourage active membership in the local section by all ASCE members in the area. Responsibilities also include outreach to non-member civil engineers in the area, inviting them to Section meetings, and encouraging them to join and become active in ASCE.

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.

Annual ASCE/ASLA Golf Tournament



Dear ASCE / ASLA Members and Friends,

It is golf tournament time again, and we want to start by saying thank you to those of you who helped make last year's ASCE / ASLA Golf Tournament a great success. We believe this partnership of the American Society of Civil Engineers and the American Society of Landscape Architects is a natural fit that has increased the benefits for all who participate, and provide an enjoyable opportunity for our members and friends to interact outside the office.

ASCE-St. Louis and ASLA St. Louis Chapter are committed to educating the youth of the St. Louis community about the roles of engineers and landscape architects in our lives, and encourage students to pursue these professional careers. Money raised through the tournament funds ASCE-St. Louis' annual scholarships to members of the Section student chapters at SIU-Edwardsville, SIU-Carbondale, University of Missouri – Columbia and Missouri University of Science and Technology. ASLA uses the proceeds to support the Washington University Student Chapter ASLA. Additional proceeds are used to support the local chapter's efforts to advance the profession by educating youth of the opportunities presented within landscape architecture.

We want to thank you for your participation and support, and look forward to seeing you at Forest Park Golf Course on Friday, September 7th, 2018. A registration form with additional information regarding the tournament and involvement opportunities is attached. Space is limited so we encourage you to ensure your spot in the tournament now!

If you have any questions please give us a call.

Sincerely,

The 2018 Annual ASCE / ASLA Golf Tournament Organization Committee


Matthew Glisson, ASCE


Chris Moon, ASLA


Felipe DeNarvaez, ASLA


Sean Hibbits, ASCE



Please email completed registration forms ([Link](#)) by **August 31, 2018** to:
Matt Glisson, ASCE (mglisson@braunintertec.com) OR Chris Moon, ASLA (chrism@swtdesign.com)



EWRI St. Louis Monthly Speaker Series Event

The St. Louis Section of EWRI is pleased to announce our monthly webinar **on Thursday, September 20, 2018 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, September 17, 2018** Please register online in advance at the following link:

https://docs.google.com/forms/d/1QnIMH3q8UdCJqcmbSO8d_pNFHegUQqOeRJbhoBERlw8/edit?ts=5b6db86e

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

The Great Flood of 1993: A Personal Look Back

Robert R. Holmes, Jr., PhD, P.E., F.ASCE, F.EWRI, D.WRE

The twenty-fifth anniversary of the 1993 flood crest for the Mississippi River at St. Louis was August 1 of this year. This talk will take a look back on the 1993 flood, both highlighting the personal experience of working the flood as a young engineer/hydrologist as well as looking at some data and analysis to place it in context.

Speaker: Dr. Robert Holmes serves as the Chief of the Branch of Hydrodynamics and the National Flood Hazard Specialist and Coordinator for the U. S. Geological Survey (USGS). Additionally he holds an academic appointment as an Adjunct Professor of Civil Engineering at the Missouri University of Science and Technology (Missouri S&T). Dr. Holmes has BS and MS degrees in Civil Engineering from the Missouri S&T and a PhD in Civil and Environmental Engineering from the University of Illinois. Holmes is a licensed professional engineer in Missouri, a Diplomate of the American Academy of Water Resources Engineers, a Fellow of the American Society of Civil Engineers (ASCE), a Fellow of the Environmental and Water Resources Institute (EWRI), a member of the American Geophysical Union, a Past President of the Mid-Missouri Section of ASCE, and Chair of the St. Louis Section of EWRI. Dr. Holmes has research interests and authored numerous papers in the areas of flood hydrology, surface-water hydrologic processes, river mechanics, open-channel hydraulics, and sediment transport.

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.

SATURDAY, OCTOBER 27, 2018

DOORS OPEN at 6:30 - TRIVIA STARTS at 7

ENGINEERING CENTER
4359 Lindell Blvd, St. Louis, MO 63108

**Hosted
by:**

ASCE

AMERICAN SOCIETY OF CIVIL ENGINEERS
ST. LOUIS YOUNGER MEMBER GROUP

**TRIVIA
NIGHT**

All proceeds help fund ASCE St. Louis Younger Member Group
Activities: Operation Food Search, Rebuilding Together, and more!



FOR MORE INFO:

Alyssa Davis

(314) 802-1140

alyssa.davis2@aecom.com

2018 GeoConfluence Scholarship Applications

Geo-Institute of ASCE - St. Louis Chapter

GEOCONFLUENCE RESEARCH SCHOLARSHIP 2018

The St. Louis Chapter of the Geo-Institute of American Society of Civil Engineers (ASCE) is pleased to invite applications for the annual GeoConfluence Research Scholarship 2018. Civil engineering graduate students pursuing a Master (thesis option) or Ph.D. degree specializing in Geotechnical/Geoenvironmental engineering at Midwestern universities within ASCE St. Louis section region are encouraged to apply.

BACKGROUND:

The Geoconfluence Research Scholarship is established by the St. Louis Chapter of the Geo-Institute of ASCE with an objective to promote research in the field of geotechnical/geoenvironmental engineering. The Scholarship seeks research that would benefit the geotechnical engineering state of practice in Midwest region. A sum total up to \$3,000 will be awarded in Fall 2018 to cover costs for specific educational tools, equipment and materials needed to fulfill a thesis/dissertation. Applicants are expected to propose the importance of their research and benefit to the geotechnical/geoenvironmental engineering practice.

The GeoConfluence Research Scholarship is administered by a subcommittee within the St. Louis Chapter of the Geo-Institute of ASCE. The subcommittee will award the research scholarship competitively based on several factors: beneficial to the Midwestern geotechnical state of practice; sufficiently stated in narrative to comprehend how regional engineers might use the research; and needed fiscally as added funding to complete the research. The Geo-Institute expects that the selected research would be able produce one or more scholarly articles in peer-reviewed journals and conferences. The recipient/s of the scholarship are expected to update their results at future Geo-Structures Confluence, an annual geotechnical and structural engineering conference organized by the St. Louis Chapter of the Geo-Institute and the Structural Engineering Institute of ASCE.

ELIGIBILITY:

Current civil engineering graduate students enrolled in Master/PhD program specializing in geotechnical/geoenvironmental engineering from an ABET-accredited Midwestern university within ASCE St. Louis section region. They should be beginning or midway in their approved thesis/dissertation research. Students towards the end of the thesis/dissertation should not apply.

Applicants are encouraged to be members of ASCE. Information about ASCE and the St. Louis Section can be found on <http://sections.asce.org/stlouis>.

*Applications and information is posted on the Geo-Institute's site (<http://sections.asce.org/stlouis/GEI/GEI.htm>). The application deadline is **September 30**. The scholarship(s) will be awarded at the annual Geo-Structures Confluence.*



**GEO-
INSTITUTE**
St. Louis Chapter



**STRUCTURAL
ENGINEERING
INSTITUTE**
St. Louis Chapter

Geo-Structures Confluence

Friday, November 2, 2018

St. Charles Convention Center – St. Charles, Missouri

Registration is now open for the third annual Geo-Structures Confluence, hosted by the St. Louis Chapters of SEI and GI. This one-day conference is open to all, and will be held from 8 a.m. to 5 p.m.; registration opens at 7:15 a.m., with a continental breakfast and buffet luncheon provided. Attendees will earn up to 7 PDHs.

Agenda coming soon, featuring:

- *Geo-Institute's 2018 Cross USA Lecture
- *Newly renovated Arch Grounds and Museum
- *Combined AM session with presentations of interest to structural and geotechnical engineers
- *Two afternoon tracks with structural and geotechnical sessions

Registration Class	Early Rate by Friday, October 12	Regular Rate October 13 to 26 and walk-ins	Late Rate October 27 through November 2
Professional	\$195	\$250	\$280
Full-time Students	\$75	\$100	\$110
Exhibitor (includes 1 registration)	\$450	\$450	\$450

Meal and break sponsorships are available, in addition to exhibitor opportunities. Please contact Lyle Simonton lsimonton@subsurfaceconstructors.com 314-421-2460 x101) to discuss these options.

Please register at <https://goo.gl/NKGYR8> (case sensitive).

If paying by check: please register online, make check payable to "ASCE St. Louis Section," and mail to
Geo-Structures Confluence 2018 Registration
c/o Stephanie Spann
David Mason and Associates
800 South Vandeventer Ave.
St. Louis, MO 63110

Postmark checks by October 12 to register at the early rate, and October 26 for all other registrations.

Vegetarian and other meal options are available. Please contact Stephanie Spann sspann@davidmason.com with your request.

*Refunds must be requested before Friday, October 19, 2018.
Any refund will be subject to a 15 percent cancellation fee.*

Registration may be transferred to another person by advanced email notice to
Stephanie Spann sspann@davidmason.com and Greg Hemen hemen69@sbcglobal.com



CONTINUING EDUCATION BLITZ: WATER INFRASTRUCTURE

Hassalo on Eighth's Natural Organic Recycling Machine treats all wastewater for reuse onsite. Photo by Jim G. Maloney.

SEPTEMBER 14

WHERE

Missouri History Museum
5700 Lindell Blvd., STL, MO 63112

CONTINUING EDUCATION

Submitted for approval of 7 GBCI
CE Hours and 7 AIA/CES LU

FEE

Discounted rate **\$100** for ASCE Members by
entering the code: **WATER100**

\$100 for USGBC-MGC Members
\$150 for Non-Members
\$75 for Emerging Professionals
\$50 for Full-time Students

REGISTER

Visit www.usgbc-mogateway.org



Exploring Current Advances and Innovation in Water Management and Quality

This full-day program will use case studies to highlight new advancements in strategies and innovative techniques to address water use, management, and quality in a variety of settings.

Bringing together expertise from across the nation and throughout the St. Louis Region, the event will feature national and local success stories and partnerships, infrastructure challenges, considerations for water reuse, and corporate and institutional environmental stewardship efforts.

Keynote Pete A. Muñoz of Biohabitats will present cutting edge design and engineering for Hassalo on Eighth, a large multi-use residential urban redevelopment project in Portland, Oregon that treats its wastewater for reuse onsite (60,000 gallons per day), redirecting it away from stressed city sewer infrastructure. In addition to exploring real-life innovative solutions, Pete will discuss regulatory barriers and future possibilities for the industry.

See agenda on reverse for the full schedule of presentations and speakers.

KEYNOTE - Pete A. Muñoz, PE, LEED AP
Senior Engineer at Biohabitats (Portland, OR)

KEYNOTE - Pete A. Muñoz



Pete is a licensed engineer and certified wastewater treatment plant operator. Pete has been lucky enough to work with some of the most influential green built projects in the United States to create inspirational infrastructure and assist reconnecting our communities with what makes them work. With degrees in Biosystems, Civil and Environmental Engineering, Pete has been asked to speak around the country on a variety of topics including green infrastructure, regenerative design, and climate change solutions.

AGENDA

- 8:00-8:55 Registration & Breakfast
- 9:00-9:15 Welcome and Introductions
- 9:15-10:15 **Pete A Muñoz** - What's Next: Precedent Projects in Urban Settings, Regulatory Roadblocks, and Futurecasting
- 10:15-11:00 **Michael Willis, FAIA** - Transforming Wastewater Treatment Facilities into Neighborhood Amenities
- 11:00-11:15 Panel Discussion
- 11:30-11:45 **Curtis Skouby** - St. Louis Region's Aging Infrastructure
- 11:45-12:15 **Traci Lichtenberg & Donald R. Summers, Jr.** - Collaborating on Water Quality
- 12:15-1:00 Sustainable Lunch
- 1:00-1:30 **Jeff Gilmore** - Plumbing for Reclaimed Water
- 1:30-2:00 **Charlie Kuhnmuench** - Rehabilitation of Existing Sewer Lines
- 2:15-3:45 Case Studies
 - Dan Hellmuth** - Getting to Net Zero Water: Code Challenges and Successes
 - Mike Carlson** - Corporate Environmental Stewardship and Water Reduction at Anheuser Busch
 - Lois Sechrist** - Water Efficiency in the Most Water Intensive Facilities
- 3:45-4:15 Panel Discussion
- 4:15-4:30 Closing Remarks



Michael Willis, FAIA
 Founder, MWA Architects
 and Visiting Professor,
 Washington University in St.



Curtis Skouby
 Director of the Department of Public
 Utilities and Water Commissioner
 City of St. Louis



Traci Lichtenberg
 Environmental Compliance Manager
 Missouri American Water



Donald R. Summers, Jr.
 Assistant Director of Training
 UA Plumbers & Pipefitters Local 562



Jeff Gilmore
 Director, Strategic Accounts
 Sloan



Charlie Kuhnmuench
 Vice President, Rehabilitation
 Services Group, SAK



Dan Hellmuth, AIA, LEED AP
 Principal
 hellmuth + bicknese architects



Mike Carlson
 Director of Energy and Fluids
 Anheuser-Busch



Lois Sechrist, LEED AP
 Environmental Stewardship
 Manager, Ascension Environmental
 Stewardship Program, Medexcel



Hannah Rae Roth
 Event Moderator
 Lecturer,
 Washington University in St. Louis

PRESENTING SPONSOR



Water Connects Us®

EXHIBITING SPONSOR



MISSOURI
 AMERICAN WATER

MORE DETAILS & REGISTRATION

Visit www.usgbc-mogateway.org

The 61st Annual Missouri S&T Asphalt Conference



61st ANNUAL MISSOURI S&T ASPHALT CONFERENCE **November 27-28, 2018**

The 61st Annual Missouri S&T Asphalt Conference will be held on Tuesday and Wednesday, November 27-28, 2018, at the Missouri University of Science & Technology in Rolla, Missouri.

Presentations at the conference include: pavement evaluation, rating, & treatments for municipalities; full-depth reclamation in Missouri; trackless tack; RAP quality; Pavement Preservation & Recycling Alliance; overlay bond testing; best paving practices for small-scale operations; intelligent compaction update; paving machine maintenance; MoDOT's increased density initiative-Phase II; next-generation plants, software, and training; basic quarry operations; performance-related specifications; MAPA update; effects of polyphosphoric acid on asphalt & additives; full implementation of M332 binder specification; performance testing in Missouri; rubberized chip seals, and more.

The conference should be of interest to paving contractors, public agencies, consulting engineers, testing labs, aggregate producers, asphalt binder suppliers, and equipment technical reps. **Personal Development Hours (PDH) will be awarded.**

For conference program information go to <http://asphalt.mst.edu/> or contact Dr. Dave Richardson, Conference Director (573-341-4487; richardd@mst.edu) and for registration information contact Professional and Continuing Education, 216 Centennial Hall, Missouri S&T, Rolla, MO, 65409 (573-341-6222; pce@mst.edu). If you are interested in being a sponsor, please contact Professional & Continuing Education: (573-341-6222; pce@mst.edu).

Employment



WSP USA (formerly WSP | Parsons Brinckerhoff) is the U.S. operating company of one of the world's leading engineering and professional services firms—WSP. Dedicated to serving local communities, we are engineers, planners, technical experts, strategic advisors and construction management professionals. WSP USA designs lasting solutions in the transportation, buildings, energy, water and environment sectors. With nearly 7,000 people in 100 offices across the U.S., we partner with our clients to help communities prosper.

WSP provides a progressive mix of benefits including medical, dental, 401k and long term disability focused on a providing health and financial stability throughout the employee's career.

At WSP, we want to give our employees the challenges they seek to grow their careers and knowledge base. Your daily contributions to your team will be a key piece in our meeting client objectives, goals and challenges, are you ready to get started? Learn more about us at www.wsp.com/usa

Senior Construction Inspector (ID# 38341)

St. Louis, MO

http://search0.smartsearchonline.com/pb/jobs/jobdetails.asp?job_number=38341

Minimum Experience: 4+

Required Education: Associate's Degree

Be involved in projects with our Geotechnical & Tunneling Team and be a part of a growing organization that meets our client's objectives and solves their challenges. WSP is currently initiating a search for a Senior Construction Inspector for our St. Louis, Missouri office, with initial assignments on a major tunnel construction program.

Duties and Responsibilities:

- Daily interaction with contractor foreman and supervisors.
- Read and interpret project plans and specifications, monitor and document contractor activities for compliance with project documents.
- Measure, calculate, and document quantities of installed materials in accordance with client policies and procedures.
- Provide general inspection on construction labor and subcontractor work to assure a good and workmanlike operation.
- Monitor quality control and quality assurance field testing for concrete, steel, soil and other materials, as applicable.
- Prepare inspector daily reports in accordance with the project requirements.
- Represent projects at meetings and conferences.
- Perform other field inspection duties, as assigned.

Civil Engineer (ID# 36862)

St. Louis, MO

http://search0.smartsearchonline.com/pb/jobs/jobdetails.asp?job_number=36862

Minimum Experience: 0-1

Required Education: Bachelor's Degree

Be involved in projects with our St. Louis Civil Team and be a part of a growing organization that meets our client's objectives and solves their challenges.

Duties and Responsibilities:

- Actively contribute to the overall success of transportation infrastructure projects in Missouri, including projects with the Missouri Department of Transportation, municipalities, and other agencies throughout the State
- Perform preliminary and final engineering
- Perform highway geometry design
- Produce maintenance of traffic plans

- Perform hydraulic and drainage design
- Perform traffic engineering analysis
- Prepare estimates of quantities and costs
- Prepare engineering reports
- Provide assistance with the production of plans
- Utilize civil engineering design software, such as Microstation and GeoPAK
- Collaboration within project teams and allow for mentor-protégé relationships with more senior staff to help develop your career

Lead Structural Engineer (ID# 37857)

St. Louis, MO

http://search0.smartsearchonline.com/pb/jobs/jobdetails.asp?job_number=37857

Minimum Experience: 8+

Required Education: Bachelor's Degree

WSP has proven to be a world leader in transportation engineering by consistently providing quality services in planning, design, construction management, and program management for a multitude of clients across the globe. Our St Louis, Mo office is seeking a bridge design engineer who is enthusiastic and interested in joining an established structural engineering group from other offices and potentially provide project management, marketing assistance, structural designs, calculations and plans for bridges, retaining walls, and miscellaneous structures for transportation projects. Our St Louis office is a multi-disciplinary group of over 60 engineers, architects and planners that enjoy working collaboratively around the state and beyond to deliver high-profile and exciting projects spanning all major markets including highways, transit, ports, aviation, tunnels and bridges.

Position Requirements:

- Licensed Professional Engineer in MO.
- Bachelors of Science in Civil Engineering from an accredited program.
- Technical Knowledge in structural design and analysis.
- Minimum of 8 years experience in structural design with majority in transportation.
- Permanent ability to immediately work in this country is required.
- Strong verbal and written communication skills.
- Experience with Missouri Department of Transportation and local clients
- Client and business development experience
- Project management experience is a plus

Preferred Qualifications and Experience:

- Master Degree in Civil Engineering with a structural focus is a plus.



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 has been named a 2017 Top Workplace by the St. Louis Post-Dispatch. If you are interested, please 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.

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 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 Unite 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.

Opportunities Posted by Oates Associates, Inc.

Oates Associates, Inc 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 the following positions. Please send resume and salary history to:

OATES ASSOCIATES, INC.

100 Lanter Court, Suite 1

Collinsville, IL 62234

618.345.2200 618.345.7233

oai@oatesassociates.com www.oatesassociates.com

Civil Engineer – Entry Level to 5+ years

We are seeking a project engineer to work in our Facilities Group on building and site development, drainage, utility, and campus development projects. Work will be out of our Collinsville, IL and/or our St. Louis, MO offices. Competitive salaries are offered commensurate to experience. The ideal candidate will 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.

Civil Engineer Project Manager

We are seeking a civil engineering project manager to work in our Facilities Group on building and site development, drainage, utility, and campus development projects. Work will be out of our Collinsville, IL and St. Louis, MO offices. Competitive salaries are offered commensurate to experience. The ideal candidate will possess the following:

- Bachelors in Civil Engineering – Masters is a plus;
- PE license;
- 5 - 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.

Building Structural Engineer - Project Manager

We are seeking a structural engineering project manager to work in our Facilities Group on new building and building renovations projects. Work will be out of our St. Louis, MO and Collinsville, IL offices. Competitive salaries are offered commensurate to experience. The ideal candidate will possess the following:

- Bachelors in Civil Engineering or Architectural Engineering – Masters is a plus;
- PE license – SE license is a plus;
- 4 - 20 years of experience working with both governmental and private clients in Missouri and Illinois;
- Experience with structural steel, reinforced concrete, and/or masonry design;
- Proficient in AutoCAD and Microsoft Office;
- Working knowledge of structural engineering software – RAM, RISA, Revit;
- Working knowledge of building Codes – IBC, ASCE, ACI, and AISC.

Transportation Engineer

Oates Associates is an established engineering practice offering civil and structural engineering services for transportation, site and building projects. To accommodate the continued growth in our transportation department, we are seeking engineers for Project Engineer positions. Work will be out of our Collinsville, IL and St. Louis, MO offices. The ideal candidate will possess the following:

- Bachelors in Civil Engineering – Masters is a plus;
- EIT certificate or PE license;
- 3-8 years of private or public agency engineering experience;
- Proficient in MicroStation / Geopak and Microsoft Office;
- Strong writing and presentation skills;
- Experience working with both local agency and DOT clients in Missouri and Illinois a plus;
- Strong Technical skills in one or more of the following areas is a plus:
 - Hydrology and Drainage Design.
 - Transportation Planning.
 - Highway and Local Road Design.
 - Traffic and Intersection Design.

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
4359 Lindell Blvd. St. Louis, MO 63108