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June Luncheon - ASCE/NSBE
Tuesday, June 12, 2018

The Value of Diversity and Inclusion
 Retired Brigadier General, C. David Turner

Upcoming Events

June

- 12 – June Luncheon
- 10-13 -- 5th Geotechnical Earthquake Engineering and Soil Dynamics (GEESD V) Conference in Austin, TX.

Follow the Section and share with your network.



About the Presenter: Retired Brigadier General, C. David Turner leads American Water's Military Services Group within American Water Enterprises, which works with the United States Military to treat and supply water and to collect and treat wastewater for military installations all over the country as part of the federal government's Utility Privatization Program. MSG currently operates and maintains the water and/or wastewater assets at 13 installations: Wright-Patterson Air Force Base, Ohio; Fort A.P. Hill, Va.; Fort Sill, Okla.; Fort Leavenworth, Kan.; Scott Air Force Base, Ill.; Fort Rucker, Ala.; Fort Meade, Md.; Fort Belvoir, Va.; Fort Hood, Texas; Fort Polk, La., Picatinny Arsenal, N.J.; and Hill Air Force Base, Utah.

Thirty plus years of broad military service. Most recently served as the commander of the U.S. Army Corps of Engineers, South Atlantic Division. In this position, he oversaw the \$4B planning, design, and construction of projects to support the military, protect water resources, and restore and enhance the environment in eight southeastern states. David also commanded the South Pacific Division of the U.S. Army Corps of Engineers. He has held several other prestigious leadership positions, including chief of staff for the U.S. Army Corps of Engineers headquarters; chief of staff of the Combined Joint Interagency Task Force in Afghanistan; division chief for \$18B Base Realignment and Closure Division, Headquarters, Department of the Army; and commander for the Far East Engineer District of the U.S. Army Corps of Engineers in Seoul, South Korea. He has also served three tours on the U.S. Army Staff. David served his country on the Joint Staff as assistant deputy director of operations, emergency action.

Register Now!

Time, Date, Location

11:30am to 1:00pm, June 12, 2018, at The Engineering Center, 4359 Lindell, St. Louis 63108. Registration starts at 11:30am and lunch is served at 11:45am. The program will begin promptly at 12:00pm. One (1) PDH available.

Cost

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

Registration

Please register and pay online using the link above, or call the Engineering Center 314-533-9333, or by email: info@engineersclub.net for reservations by 5:00pm, Thursday, June 7, 2018. ASCE is charged for all reserved lunches. If you've signed up and can't make it, please cancel by Friday before the meeting or we may have to charge you for the meal.

Officers & Directors 2017 - 2018

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President's Message



The St. Louis Section was recently notified that we have won our sixth consecutive Section and Branch Diversity Award. While we're certainly happy to be recognized by ASCE for our efforts, we enjoy the relationships built from these efforts more than anything. This month's luncheon is our joint meeting with the National Society of Black Engineers (NSBE). We have enjoyed a great partnership with NSBE and I look forward to this luncheon as much as any throughout the year. Although NSBE in St. Louis has a strong professional membership, the organization started as a student organization and has more student members than professional ones. The ASCE St. Louis Section can look to organizations like NSBE for ideas on how to continue to grow our student membership.

This is also the time of year when ASCE takes a bit of a break as we won't have a board meeting or luncheon in July and August. Like many families, I will be taking a road trip with family this summer. Part of me will be hoping for no traffic jams, but the civil engineer in me has been able to be a bit more patient as I've gotten older, realizing that summer traffic jams are often the result of highway and bridge construction work. In the past few years there hasn't been near as much regional highway work as a result of reduced Missouri transportation funding and the Illinois ongoing budget woes. The ASCE Kansas City and St. Louis Sections, and the ASCE Illinois Section have worked very hard on their respective Legislative Drive-Ins to encourage political action that would result in additional transportation funding.

Well, there's reason to believe that these efforts are starting to pay off. Missouri lawmakers recently agreed to allow Missouri voters to decide on the general election ballot whether or not to increase the Missouri gas tax by 10 cents per gallon over a four-year period. Money from the gas tax goes to MODOT, and Missouri's cities and counties for road construction and maintenance. Missouri's gas tax rate is currently 17 cents per gallon, placing it the fourth lowest in the nation. The 10-cent increase would take Missouri above the National average. When we met with legislators in Jefferson City on April 26, there wasn't a lot of optimism that the legislature would be able to get this on the ballot, but they were able to get it done. Now we have to continue to work hard by helping to educate voters on the importance of this ballot question.

Many St. Louis area engineers, construction workers, and commuters also stand to benefit greatly from increased transportation spending in Illinois, and it looks like a bi-partisan budget will finally be passed this week. According to the Belleville News Democrat, the budget includes \$70 million for transportation work in the Metro East, including money allocated to replace a truss bridge connecting the approach to the MLK bridge and design costs for the Chain of Rocks bridge replacement. Let's hope the optimism comes to fruition, and although we may be sitting in traffic during all of the construction, we can know that civil engineers are staying busy, and our regional infrastructure may finally be getting the shot in the arm it needs. Have a safe and enjoyable summer!

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

Committee Chair Openings

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

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.

Sustainability Committee - The purpose of the Sustainability Committee is to facilitate and accelerate the sustainability discussion, offer sustainability related continuing education sessions, and serve as an available and useful resource for the St. Louis engineering community. The committee should organize at least one seminar or program each year that is eligible for Professional Development Hours (PDHs). The development and presentation of the program should be coordinated with the Continuing Education Chair to ensure that the event is eligible for PDHs, the activity is appropriately documented and certificates of attendance are provided to the attendees. Programs could include presentation of fundamental concepts of sustainability, case studies, interactive work sessions, etc.

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.

ASCE Region Newsletter

The latest ASCE Region 7 newsletter is available at:

http://regions.asce.org/region7/sites/regions.asce.org.region7/files/2018_2_NewsletterR7_04_26_2018.pdf.

You can learn more on Region 7 Website <http://regions.asce.org/region7/>.

ASCE Younger Members Group

Join us for our Annual Younger Member Group Picnic!

Sunday, August 19th at 3 PM

Cypress South Shelter, Tower Grove Park

Plan on attending? E-mail Melissa.Marks@jacobs.com. We ask that all attendees bring a side to share.

Cub Scouts Learn About Civil Engineering and Test Popsicle Stick Bridges

The St. Louis Section was recently asked to help Cub Scout Pack 55 with their STEM project, a popsicle stick bridge contest.

Den leader Artie Shau contacted us in March 2018 with his ideas about organizing the competition for the four dens in the pack. He did the research to get the competition set up and asked ASCE to participate. **John Weiland** (Treasurer) and **Brent Vaughn** (Vice President) attended their April pack meeting to introduce civil engineering to the cub scouts and about who we are. Next, we gave a brief introduction about structures, introducing bending behavior and trusses. Finally, we tested the strength of a couple of demonstration bridges. As you can imagine, breaking the bridges was a real treat for the scouts.

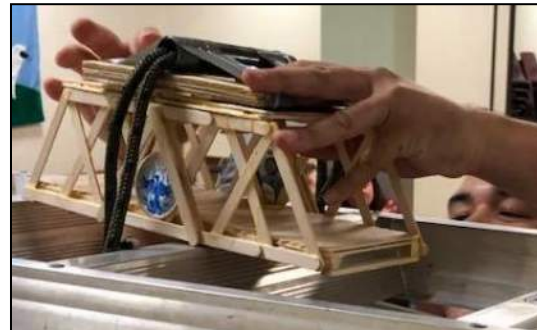
The four dens, Bears, Tigers, Wolves and Webelos, each built a bridge to represent their dens. The basic rules specified a span of 12 inches and must use no more than 200 popsicle sticks. Bridge load testing commenced at the May pack meeting. ASCE talked a little more about what contributes to structural strength and the importance of connections (admittedly a little late for the bridges). The load test setup consisted of an aluminum ladder for the bridge support and plastic tote that was incrementally loaded with bags of gravel. Additional loading if needed was added by applying muscle to aid gravity. The load cell with peak display was provided by SIUE. The bridges were individually loaded to failure and with great enthusiasm from the crowd. The test results are shown next to the bridges in the photo below. You can see a short video of the testing at <https://youtu.be/ytldSvowcls>.



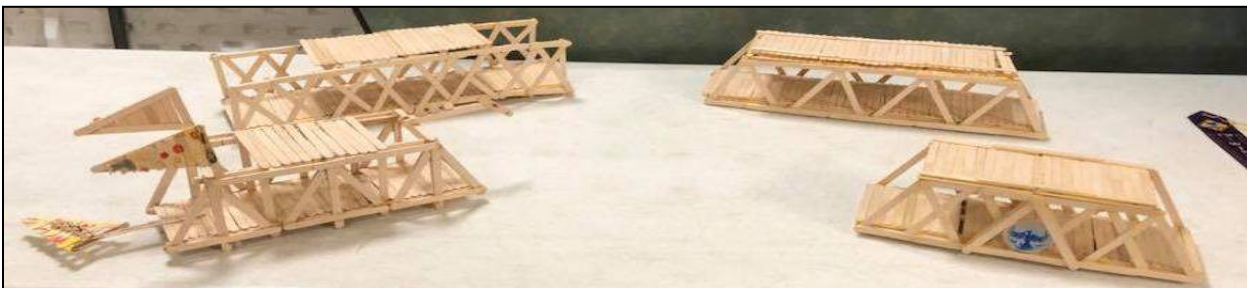
Den leader Artie Shau gets the cub scouts' attention as John Weiland stands by to talk to the cub scouts about Civil Engineering.



Brent Vaughn says a few words about the load testing. Artie Shau (Wolves Den Leader) and Mark Morgan (Pack 55 Leader) standby to conduct the testing.



Preparing the Webelos bridge for testing.



The bridges before testing and corresponding load at failure, and efficiency (load at failure/bridge weight). The winner from the Wolves den (lower left corner) supported 283 pounds which was 552 times the bridge's weight.

We thank Cub Scout Pack 55 for their interest in learning about civil engineering! (Sponsoring Organization: Arlington United Methodist Church, Bridgeton, MO. Pack Leadership: Mark Morgan; Mary Kay Boliver, Sandy Balch, Artie Shau, Jenna Morgan, Jennifer Fitzsimmons, Sarah Ruth, D. Rune O'lynnne and Tiffany Hiat)

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 will be posted on the Geo-Institute's site starting **June 15** (<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.*



**STRUCTURAL
ENGINEERING
INSTITUTE**

St. Louis Chapter



**GEO-
INSTITUTE**

St. Louis Chapter

Geo-Structures Confluence

CALL FOR ABSTRACTS!

Tentative Date: Friday, November 2, 2018

St. Charles Convention Center

St. Charles, Missouri

The St. Louis Chapters of the Structural Engineers Institute (SEI) and Geo-Institute (GI) are now accepting abstracts for the third annual Geo-Structures Confluence. Geo-Structures Confluence will be a multi-track, full-day conference featuring technical topics and case histories presented by local and national experts. The joint morning session will be focused on topics concerning the confluence of structural and geotechnical engineering. There will be two tracks in the afternoon: one track focused on structural engineering topics, and one track including sessions on geotechnical engineering and geo-environmental topics. The conference is open to all engineering and construction professionals. Last year's conference was attended by nearly 200 professionals from throughout Illinois and Missouri.

The planning committee is seeking speakers to provide a 30- to 60-minute presentation focused on structural engineering, geotechnical engineering, or geo-environmental topics with specific preference given to topics that overlap these focus areas. All persons are encouraged to submit an abstract to Patrick Kinsella at pmk@shanwil.com by July 20, 2018. Abstracts should be limited to 250 words. Once the planning committee has reviewed the abstracts, notification will be provided to the selected presenters by August 10, 2018. The submitted abstracts and presentation slides will be assembled and included in the conference publication.

Please see <http://sections.asce.org/stlouis/GEI/GEI.htm> for information about sponsorships, exhibitor opportunities, and conference registration.

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)

5th Geotechnical Earthquake Engineering and Soil Dynamics (GEESD V) Conference

On behalf of the ASCE Geo-Institute (GI) and the conference organizing committee, we would like to invite you to participate in the 5th Geotechnical Earthquake Engineering and Soil Dynamics (GEESD V) conference (<http://www.geesdconference.org/>) in Austin, Texas, on June 10-13 2018 at the AT&T Executive Education and Conference Center.

GEESD V 2018 builds upon the success of past events in Sacramento CA (2008), Seattle WA (1998), Park City UT (1988), and Pasadena CA (1978). The conference will include a range of keynote and theme lectures, technical sessions, and short courses on topics of interest to geotechnical and earthquake engineers. As it was the case in the previous GEESD conferences, this event will bring together practicing geo-professionals, researchers, and students from around the world to share the latest advances in practice and research in geotechnical earthquake engineering.

We encourage you to register for the conference or participate as an exhibitor or sponsor. Past conferences in the series have been extremely well attended by a wide range of earthquake engineering professionals, and we thus exhibitors and sponsors will get a great exposure at the conference.

Key links are as follows:

[Sponsorship Opportunities](http://www.geesdconference.org/sponsors) (<http://www.geesdconference.org/sponsors>)

[Exhibit Opportunities](http://www.geesdconference.org/exhibitors) (<http://www.geesdconference.org/exhibitors>)

Please feel free to contact any of us for any general questions on the conference. You may also contact Drew Caracciolo at [703-295-6087](tel:703-295-6087) (office); or by email at dcaracciolo@asce.org for reserving an exhibit booth, sponsorship slot, or any specific questions on the exhibit and sponsorship opportunities.

We look forward to welcoming you in Austin!

Sincerely,

Ellen Rathje, Conference Chair

Adrian Rodriguez-Marek, Conference Co-Chair

The Engineering Center 24th Annual Golf Tournament

The Day of the Tournament

Check-in	10:30 am
Lunch	11:00 am
Shotgun Start	12:00 pm
Refreshments	4:30 pm

(Dinner Not Included)

Sponsorship OPPORTUNITIES

Hole Sponsor \$300
Personalized sign at one tee off location + logo on beverage carts during tournament + logo on banner at registration table + logo on thank you flyer + announcement at Fellowship Night on June 18, 2018.

Drink Sponsor \$200
Logo on beverage carts during tournament + logo on banner at registration table + logo on thank you flyer + announcement at Fellowship Night on June 18, 2018.

Tee Sponsor \$100
Logo on banner at registration table + logo on thank you flyer + announcement at Fellowship Night on June 18, 2018.

Additional sponsorship and/or other creative opportunities are available, upon request. Please contact the event organizer for additional information.

For more information contact:
Everett Litton, 314-206-4421
everett.litton@wsp.com

Help Benefit
 THE ENGINEERING CENTER

SUPPORT THE CAUSE.
The Engineering Center of St. Louis has been established to position the organization to be the trusted resource in the greater St. Louis region on engineering issues in the eye of the public. The Center's Mission allows the organization to engage on a regional level as the leader in engineering creating excitement for the industry on a public level.
www.engineeringcenter.org

24th ANNUAL GOLF TOURNAMENT

Help Benefit:
 THE ENGINEERING CENTER

Forest Park Golf Course
Tuesday, June 12th, 2018

MAKE THE HOLE. MAKE A DIFFERENCE.

Registration form ([link](#)). Make your check payable to and mail along with the following form to: The Engineering Foundation of St. Louis
4359 Lindell Blvd. St. Louis, MO 63108. RSVP by June 7, 2018.

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 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

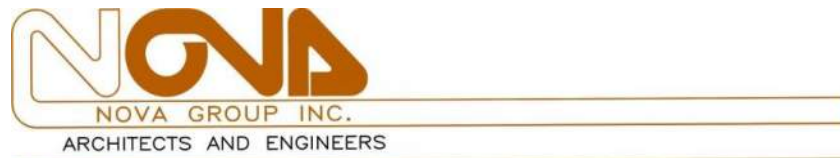
OFFICE LOCATION: ST. LOUIS, MO

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.



STRUCTURAL ENGINEER

Nova Group, Inc., an architectural and engineering firm in St. Louis County is seeking a candidate to fill the position of Director of Engineering. Candidate should possess a current PE license, in good standing, in the state of Missouri for civil engineering, structural. An SE license in Illinois is a plus. Candidate shall be proficient in AutoCadd, Microsoft Word and Excel. Revit capability is desired, but not required. The Director of Engineering would oversee the structural department for the company and be responsible for daily administration as well as some marketing of this aspect of the company. This is an opportunity to grow a division of the company and have major input as to how this aspect of the company functions. Future ownership of a portion of the company is possible. Nova Group, Inc. offers competitive salary, profit sharing, a 401(k) program which is funded by the company and health insurance. Hours are flexible.

Interested parties should send resumes to Scott D. Fehl, President, Nova Group, Inc. @ sfehl@novagroupinc.net or via US Mail to:

Scott D. Fehl, RA, President
Nova Group, Inc.
6312 Hazelwest Ct.
Suite 102
Hazelwood, MO 63042



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.

Metropolitan St. Louis Sewer District

Human Resources
2350 Market St.
St. Louis, MO. 63103

EEO M/F/V/H

CIVIL ENGINEER Design – Capital Projects

The Metropolitan St. Louis Sewer District (MSD) is a Missouri State special purpose political subdivision that is responsible for the St. Louis area's storm water and sewer collection and treatment. MSD ranks in the nation's top wastewater utilities, and is making a significant investment in capital infrastructure and asset sustainability over a multi-decade period.

The District is seeking an individual to fill a position within the Engineering Department - Design Division. This Project Manager position in the Capital Projects group will be responsible for coordinating the work of outside consulting firms. Duties will include, but not necessarily be limited to oversight of the design of storm, sanitary/combined sewers, and green infrastructure improvements; review plans, specifications and cost estimates; address concerns of impacted property owners; participation in meetings with public officials and the public at large to answer questions about the construction project; and other matters associated with the successful completion of the District's capital construction program.

Must be a graduate from a recognized college or university with major course work in civil engineering; and four years of progressively responsible related engineering experience, including at least two years of experience in sewer plan design and review and/or construction. Must be a licensed professional engineer in the Missouri or have the ability to become licensed within six (6) months of the date of hire.

Excellent compensation/benefits program. For more information and to apply go to www.stlmsd.com/careers under Civil Engineer.

Operations Division Manager

DESCRIPTION:

Under general direction, perform work of considerable difficulty in managing the activities of a major treatment plant division of the Operations Department.

EXAMPLES OF DUTIES

Essential Functions: Provide leadership and manages the daily operations for an area of the District's wastewater treatment; directs, develops, and motivates staff to meet objectives that assist in achieving the District's strategic business plan; administer, plan, staff, and organize the operational activities and functions of a major wastewater treatment plant; attain departmental goals and objectives for assigned area; prepare and submit budget estimates within area of responsibility; make recommendations for improving effectiveness of policies, procedures, and guidelines; make recommendations and implement solutions for treatment plant to achieve compliance with all regulations; plan and initiate special projects to maintain, upgrade, and improve plant facilities; oversees the adjustment of the treatment processes to ensure effluent quality; monitors and controls utility consumption and costs; adjusts and monitors adherence of a preventive and corrective maintenance program; supervises training programs for plant personnel; meet with civic groups, governmental officials, contractors, consultants, and the general public concerning sewer problems; assess strengths and weaknesses of the operation and create strategies for improved performance in efficiency, customer service, environmental compliance, planning, employee development, safety, and diversity; develop, motivate, and retain teams capable of achieving excellence in utility operations; understand the stakeholders' expectations for District performance.

Additional Responsibilities: Perform related work as required or delegated by supervisor

MINIMUM QUALIFICATIONS

Training and Experience: Graduation from an accredited college or university with Bachelor of Science in engineering, environmental science or related degree and six years of progressively responsible experience in the operation and maintenance of a wastewater treatment plant, including at least two years of managerial experience with a Professional Engineering license preferred.

Desirable Knowledge, Skills and Abilities: Extensive management and technical knowledge of the chemical, physical and biological processes involved in the treatment of wastewater; thorough knowledge of the machinery, equipment, materials, and operating practices of a modern wastewater treatment plant; considerable skill in conducting research and making investigations in the treatment of domestic waste, and to develop improved techniques of wastewater treatment; considerable knowledge of policies and procedures for operating, monitoring, and evaluating departmental activities; considerable skill in management techniques and application; considerable skill in organizational judgment and decision-making; considerable skill in developing an effective team environment; considerable skill in establishing and maintaining positive relationships with employees, officials, contractors, consultants, union representatives, and the general public; skilled in public speaking to professionally represent the District before professional organizations and the general public; considerable ability to express ideas clearly and concisely in both oral and written form.

ADDITIONAL INFORMATION

Must possess a valid driver's license issued by the state in which the employee resides.

Pursuant to MSD's "Substance Abuse Policy and Procedures," this position has been designated as safety sensitive and candidate must pass a Non-D.O.T. Drug Test for this position. Employees occupying this position are not subject to Federal (D.O.T.) Drug and Alcohol Testing Regulations.

WHERE TO APPLY

www.stlmsd.com/careers

Editor's note: As of June 1 there are numerous engineering job opportunities posted at the above link.

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