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## November Luncheon

Tuesday, November 12, 2019

### A Look at the St. Louis Area MS4 Permit Strategy and Stormwater Management Plan

Jason Peterein, P.E. - Program Manager, Metropolitan St. Louis Sewer District

Missouri's general NPDES permit for regulated municipal separate storm sewer systems (MS4s) requires implementation of best management practices (BMPs) via an iterative process to reduce the discharge of pollutants into the MS4 to the maximum extent practicable (MEP), with the goal of meeting Missouri's Water Quality Standards. To meet this requirement, MS4's must develop a stormwater management plan (SWMP) that implements the permit's requirements for the six minimum control measures. MSD, St. Louis County, and 59 other regulated municipalities within MSD's service boundaries have agreed to coordinate permit compliance activities as co-permittees, with MSD being the coordinating authority. This strategy encourages cooperation among municipalities, allows for a watershed-based approach to reducing pollution, and the sharing of financial responsibilities. Through a collaborative effort, a steering committee consisting of MSD, co-permittees, and interested stakeholders developed a Stormwater Management Plan. The plan outlines the requirements of the current MS4 permit's six minimum control measures, and how the co-permittees will cooperate to address the requirements of the MS4 permit. The plan was approved by the Missouri Department of Natural Resources. This presentation will highlight some of the key Best Management Practices that are in the Stormwater Management Plan and how they are evaluated for effectiveness. Finally, a look at the MDNR audit process and steps co-permittees can take to prepare for it will also be presented.

**About the Presenter:** Jason Peterein, P.E. is a Program Manager with the Metropolitan St. Louis Sewer District. Jason manages the District's Environmental Compliance group that is responsible for the MS4 program administration, MSD's environmental regulatory compliance obligations, and emergency response/discharge investigation & reporting. He has a B.S. and M.S. in Civil Engineering from the Missouri University of Science & Technology, and over 15 years of public and private sector experience in land development, infrastructure, and storm water management. Prior to his current role, Jason was a Principal Engineer in the District's Development Review group where he led a team responsible for the review and permitting of private development projects.

### Register Now!

**Time, Date, Location**

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

**Cost**

\$20/person, students and members in transition \$5 (checks payable to ASCE).

**Registration**

Please register and pay online using the link above for reservations by 5:00 pm, Friday, November 8, 2019. Please note that we will no longer be accepting event registration though the Engineering Center, and you must register online. 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.

**Upcoming Events**

**November**

- 08 – Structural and Geo Confluence
- 08 – Trivia Night
- 12 – ASCE Luncheon
- 14 – YMG Meeting
- 14 - Sustainability Seminar
- 15 – Geo-Institute Meeting
- 21 – EWRI Monthly Webinar

[December 3, ASCE Holiday Social](#)

*Follow the Section and share with your network.*



*Update your bookmarks with our new Section website*

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

## Officers & Directors 2019 - 2020

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## President's Message



As I write this we are just over a month into the Fall season, according to the calendar, but I still don't see much color in the trees here near my home. I hope that my anticipation will be rewarded by brilliant colors on sunny, cool days in November.

Like many of you I chose a career in civil engineering in part because I really enjoy living and working outside as much as I can. Every project that we work on requires us to consider how the forces of nature will impact our analyses, designs, plans to deliver what our clients need.

We see in the news how natural events every day, somewhere, lead to all manner of negative effects on the built environment that we (civilization in general) have invested in to improve quality of life and protect us from those perils. Quite often those stories barely touch on risks that may or may not have been anticipated or fully considered over time. I read that most people have a high regard for the civil engineering profession and expect us to thoughtfully approach projects to reduce the potential risks – known or unknown – for a more resilient infrastructure outcome. I have made it a point to read, listen and learn from others about how we can continue to develop our capacity to quantify and manage risks related to civil engineering. At this point in my career I don't design and seal plans or specs, which by contrast is what most of you do. I do however work to share what I have learned with budding engineers in training to help them expand their understanding of fundamental engineering concepts and something. I see this as a vital service we, ASCE members, can and should provide to the general public vis-à-vis outreach events we participate in. **Jeff Fouse, Jordan Pettibone** and I did just that at the recent The Great Outdoors Expo at the Saint Louis Science Center.

The next time we meet, I would like to hear your thoughts about how you recognize and control risk in your field of interest.

I want to thank **Mary C. Lamie**, PE, Executive Director of St. Louis Regional Freightway for her presentation at the October Luncheon updating us on the work the Freightway does to coordinate freight-related infrastructure in our region. You can learn more about what the Freightway does at [www.thefreightway.com](http://www.thefreightway.com).

Our November Luncheon will be co-sponsored by the EWRI St. Louis Chapter and Missouri Society of Professional Engineering (MSPE). This is one of several luncheons throughout the year where we partner with other allied engineering societies. I hope to see you there.

If you have already RSVPd for the November Luncheon you probably noticed that the price has gone up to \$20 from its long-time level of \$15. We have looked at the trend of the luncheon costs vs. income and seen that the net deficiency has been increasing over the past several years. We concluded that the \$5 price increase is reasonable to avoid the further unsustainable losses. The price of \$5 continues for students and members in transition.

'Til next time,  
Brent M. Vaughn, PE  
[brent.vaughn.asce@gmail.com](mailto:brent.vaughn.asce@gmail.com)

## Committee Chair Openings

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

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

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

## SWIC STEM Dream Big Event

The ASCE St. Louis Section recently helped organize a Dream Big event for the Southwestern Illinois College STEM Scholars program. This program provides scholarships to students challenged by insufficient high school preparation and economic pressures that make rigorous, full-time study difficult in particular in the STEM fields. As part of the program, students are involved in enrichment events centered around STEM topics. For this event, the students from the scholars program and from several math and science classes attended a showing of the ASCE-produced Dream Big movie and asked questions during a panel discussion about engineering careers.

ASCE was represented by **Lyle Simonton** of Subsurface Constructors who moderated the panel discussion. Other panel members included ASCE member **Nicole Adewale** of ABNA, Jamar Neal of Zagros Robotics, and Therese Galbraith of Cannon Design.





## 2019 ASCE HOLIDAY SOCIAL

**Time:** Tuesday, December 3, 2019  
6:00 PM to 8:00 PM. The Anheuser-Busch Brewery Lights are available for drive-through tours after dusk until midnight (see directions below).

**Location:** Anheuser-Busch St. Louis Brewery  
Biergarten  
1200 Lynch Street,  
St. Louis, MO 63118

Members and a guest are cordially invited to our 2019 Holiday Social to enjoy the Anheuser-Busch St. Louis Brewery Biergarten! Please join us for a great night of fellowship, food, and spirits.

Appetizers from 6:30 PM to 7:30 PM. Two drink tickets will be provided with cash bar thereafter.

For drive-through tours of the Brewery Lights, visitors can enter from Arsenal Street turning onto 7<sup>th</sup> Street and then travel along Pestalozzi Street.

**Cost:** Free

**Parking:** Self Parking – Free. Guest parking lots are available at the northeast and southeast quadrants of Lynch Street and 12<sup>th</sup> Street intersection.

**RSVP:** Reservations must be received no later than 5:00 PM on **Monday, November 25, 2019**. Please RSVP online at <http://tiny.cc/qvwdfz> or by email to Stephen Noeth at [stephen.noeth@oatesassociates.com](mailto:stephen.noeth@oatesassociates.com)

## ASCE St. Louis Section Annual Awards Dinner 2019

The 2019 Annual Awards Dinner was held on Friday, September 13 at Barnett on Washington. Special thanks to Britt Marron, the Annual Dinner Chair for a wonderful evening at an incredible venue!

### ASCE ST. LOUIS SECTION SCHOLARSHIPS

The ASCE St. Louis Section Annual Scholarships are awarded in recognition of membership in an ASCE Student Chapter, enrollment as a civil engineering student, excellence in academic performance, and active participation in issues reflecting the role of engineers in the advancement of our society. Each of the Section's universities is solicited for nominations. The scholarship awards were presented by President Chad Schrand and Past President Lyle Simonton.

*Nicholas Sokolis  
Saint Louis  
University*

*Brooke Dean  
University of  
Missouri –  
Columbia*

*Jessica Kurpius  
Southern Illinois  
University –  
Carbondale*

*Alison Bader  
Missouri University  
of Science and  
Technology*



### 2019 MIKE ALIZADEH / GEOTECHNOLOGY SCHOLARSHIPS

The Mike Alizadeh scholarship is awarded due to a generous endowment by the Alizadeh family, in recognition of pursuing a masters degree in Civil or Geological Engineering with a geotechnical or environmental emphasis at a midwestern university. The scholarships awards were presented by President Chad Schrand and Past President Lyle Simonton who is also the Alizadeh Scholarship Chairman.

*1<sup>st</sup> Place – Vanessa LeBow  
University of Arkansas*

*2<sup>nd</sup> Place – Nirajan Gaihre  
Southern Illinois  
University – Carbondale*

*3<sup>rd</sup> Place – Elgin Burton  
University of Missouri –  
Columbia*



## **2019 SEI – ST. LOUIS CHAPTER STRUCTURAL ENGINEERING SCHOLARSHIP**

The St. Louis Chapter Structural Engineering scholarship is awarded in recognition of pursuing a master degree in Civil or Structural Engineering with a structural emphasis at a midwestern university. The scholarship award was presented by President Chad Schrand.

*Jace McGuire  
Southern Illinois  
University – Edwardsville*



## **PROFESSIONAL RECOGNITION AWARDS 2019 Professional Recognition Award Winner – W. Eric Showalter, Ph.D., P.E., LECP A.P., M. ASCE**



The Professional Recognition Award recognizes the importance of professional attainment in the advancement of the science and profession of engineering and is presented to a Member of the St. Louis Section of ASCE who has made substantial contributions to the engineering profession and the St. Louis Section. This year's Professional Recognition Award goes to Dr. W. Eric Showalter.

Dr. Showalter has spent 24 years in service to the Civil Engineering Profession as a faculty member, the last 19 in Missouri at Missouri University of Science and Technology. In that time, he has risen to the rank of Teaching Professor and was the third person to achieve that rank at S&T. He teaches, advises students, advises several student organizations in Civil Engineering, and promotes the profession on and off campus.

Dr. Showalter deeply enjoys teaching and interacting with students. He has averaged in excess of 400 weighted student credit hours per semester for 10 years. One of his great honors was in the Fall of 2018 when students elected him as a Chapter Honor Member of Chi Epsilon, the honors society of civil engineering nationally.

In addition to the active learning classes, Dr. Showalter is active in the Engineers without Borders (EWB) organization. He brings international experience from his Fulbright Fellowship and dedication to EWB students and the people they serve internationally. Dr. Showalter is also the primary contact with many other societies and professional contacts nationally and particularly in the St. Louis area.

He has advised students to the ASCE concrete canoe competition and served as ASCE faculty advisor. Through his mentoring, instruction, and guidance, Dr. Showalter clearly has the biggest impact of any individual in the state of Missouri, promoting the career guidance, preparation and advancement of over 150 new engineers annually as they enter the profession and begin the most formative stages of their careers.

Off campus Dr. Showalter has several service roles that impact the civil engineering profession. He is a board member of the Construction Forum Education Foundation whose goal is to get more people interested in the industry, from skilled labor to engineering. He serves the board with Salem High School bringing a construction trades classes back to the students. He also gives his time and effort to his community as Vice Secretary of the Rolla Municipal Utilities, donating his time to oversee our water and electric service utility. In addition, he has been on awards panels for the AGC in St. Louis section, and he also serves on the Kansas City board for the Builders Association. For several years, he also presented PE review sessions in St. Louis through MSPE and on line as well as FE preparation review sessions at S&T.

### **2019 YOUNG ENGINEER AWARD FOR PROFESSIONAL ACHIEVEMENT Jiaman Xu, P.E., A.M. ASCE**



The Young Engineer Award recognizes professional contributions of younger members to the Society and to the St. Louis Section and is presented annually to a Member of the St. Louis Section of ASCE who is judged to have attained significant professional achievement, and who is less than 35 years of age. This year's Professional Recognition Award goes to Ms. Jiaman Xu.

Jiaman Xu graduated from University of Missouri – Columbia in 2014 with a Bachelor of Science degree in Civil Engineering and she was on Dean's List every semester and served as secretary of Civil Engineering Honor Society – Chi Epsilon Mizzou Chapter. Jiaman received her Master of Engineering in Energy, Environmental, and Chemical Engineering from Washington University in St. Louis in 2015.

She currently works as a Project Engineer at Civil Design, Inc. in the Water Resources Group and she became a registered PE this year. Her experience includes wastewater treatment facility design, wastewater collection system design, lagoon closure plan, flow meter analysis, pump station and force main design, and environmental permitting. Jiaman has been an active ASCE member since 2016. She currently serves as a Committee Member of ASCE/EWRI Stormwater Web Portal Committee, Secretary of ASCE/EWRI Local Activities Council, Chair of ASCE/EWRI Spring Seminar Planning Committee, and EWRI STL Chapter Representative.

Other highlights include:

- 2017 Graduate of the Emerging Leading Program developed by CDI
- Member of the Civil Growth Committee developed by CDI

**2019 SERVICE TO PEOPLE AWARD  
Shonnah Paredes, M.A., MBA**



To bring public recognition to individuals who have performed outstanding service to people in their communities and to further public understanding and recognition of the identification “Civil Engineering - A People-Serving Profession”, the St. Louis Section grants the Service to People Award to an individual who is judged to have performed significant service to the community in connection with planning, design or construction of the people serving works of the civil engineering profession. This years’ Service to People Award goes to Ms. Shonnah Paredes.

Shonnah Paredes is a Manager of Diversity Programs for the Metropolitan St. Louis Sewer District (MSD) and has been spearheading initiatives for diversity and inclusion for more than 20 years. In her role at MSD Shonnah provides senior management oversight of MSD's Minority and Women Business Utilization Programs and supplier diversity for the multi-million-dollar Capital Improvement and Replacement Program. In addressing challenges to bridge the gaps defined by MSD's 2012 Disparity Study, Shonnah is credited with developing new diversity programs that are yielding excellent results to promote opportunities for expansion and growth of minority- and women-owned businesses within the communities served by MSD.

For the most recent fiscal year ending June 30, 2018, minorities and women exceeded \$41M in active contract payments and received over \$85M in commitments for new work in construction. Additionally, minority and women design services firms were paid \$17.4M. Minorities and women in the workforce accounted for more than two million hours worked on MSD projects.

Shonnah has made great strides to move the needle forward in the area of diversity and fostering greater participation for minorities and women in the region. She's developed training programs for disadvantaged minorities and women to work in the tunneling industry, MSD's Building Union Diversity (BUD) pre-apprenticeship Program, a scholarship program for Treatment Plant Operators through SIU-Edwardsville Environmental Resource Training Center Certification Program, and sponsors paid summer internships at MSD for disadvantaged high school and college students.

A graduate of Webster University, Shonnah earned a MBA and Masters in Human Resource Management. She received a Bachelor of Business Administration from Fontbonne University. Shonnah is a licensed Missouri Real Estate Broker and served on the Board of Commissioners for the City of St. Louis Housing Authority for 10 years.



## PROJECT OF THE YEAR AWARD Poplar Street Bridge Widening and Rehabilitation



Civil Engineering achievement within the St. Louis Section is recognized annually by ASCE with the selection of a “St. Louis Section Project of the Year Award”. The Award is given for achievement—not to an individual—so that the many individuals who have worked on the project are recognized as having contributed. Basis for the Award is “an engineering project that demonstrates the greatest engineering skills and represents the greatest contribution to civil engineering progress and mankind.”

This year’s Project of the Year Award goes to the “Poplar Street Bridge Widening and Rehabilitation” project.

HDR completed the design and construction management for the widening of rehabilitation of Poplar Street Bridge. The Poplar Street Bridge widening and rehabilitation project (completed in December 2018) used innovation and cooperation to improve mobility and solve decades old problems on the Poplar Street Bridge and its numerous ramps. The Poplar Street Bridge is a five span (300'-500'-600'-500'-265') 2,165' long structure which carries I-64, 1-55 and 1-70 over the Mississippi River in downtown St. Louis and is the primary commuter route connecting Missouri and Illinois. The bridge is actually twin Eastbound and Westbound Structures originally designed to carry 4 lanes of traffic each way. It consists of variable depth steel box girders (25' max. depth) with an orthotropic steel deck on a shared substructure. The Missouri Department of Transportation hired HDR to provide the following improvements to the Poplar Street Bridge and its Ramps:

- 1) Increase lane capacity of the EB Bridge from 4 to 5 lanes conjunction with improving the interchange ramp structures on the Missouri side
- 2) Provide a new and improved riding surface
- 3) Rehabilitate the bridge superstructure and substructure

On March 31, 2018, the EB Poplar Street Bridge was successfully moved (slid) 9' to the south. This was a major project milestone, a landmark engineering feat, and a significant media story in the St. Louis region. The Poplar Street Bridge was the longest and heaviest existing bridge to ever be lifted and moved in the United States. The slide took approximately 2.5 hours total using a system of hydraulic jacks located at six piers.

The Poplar Street Bridge is a critical bridge connecting Illinois to Missouri. The Missouri Department of Transportation hired HDR to design a solution to widen and rehabilitate the bridge. Construction management was provided by KCI Construction out of St. Louis, MO.

## INSTALLATION OF THE 2019-2020 OFFICERS



Pictured from Left to Right: Chad Schrand, Brent Vaughn, Jordan Pettibone, John Weiland, William S. Stahlman III, Melissa Rettig, and Chris Toenjes



President Chad Schrand passing on the gable to President-elect Brent Vaughn

## Younger Member Group Update



**Trivia Night** – November 8<sup>th</sup> at Kirkwood Community Center – **THIS FRIDAY** –Online registration is closed, but you can contact Rebecca Reifel, at [rmreifel@gmail.com](mailto:rmreifel@gmail.com), if you have any questions or would like to make a last minute table reservation. Please see the event flyer following the update.

**Mizzou Tigers v. Florida Gators Tailgate** – Saturday, November 16<sup>th</sup> – We are joining ASCE Kansas City Section Younger Members in tailgating at the Tigers v. Gators game. This is a great opportunity to network with fellow young engineers from across the state. E-mail us at [ascestlymg@gmail.com](mailto:ascestlymg@gmail.com) if you'd like to join or would like more information.

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

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

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

#### October YMG Meeting:

Thursday, November 14, 2019

McGurk's

7260 Southwest Ave, 63143

6 pm to 8 pm

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

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



# YMG 2019 – 2020 Calendar

\*Subject to change throughout the year

## **October YMG Meeting:**

Thursday, October 3, 2019

Schlaflly Bottleworks

7260 Southwest Ave, 63143

6 pm to 8 pm

[www.schlaflly.com](http://www.schlaflly.com)

## **November YMG Meeting:**

Thursday, November 14, 2019

McGurk's

1200 Russell Blvd, 63104

6 pm to 8 pm

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

## **December YMG Meeting:**

Thursday, December 12, 2019

International Tap House

16 S. Euclid Ave, 63108

6 pm to 8 pm

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

## **January YMG Meeting: SLU**

Thursday, January 16, 2020

Urban Chestnut Midtown

3229 Washington Avenue, 63103

6 pm to 8 pm

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

## **February YMG Meeting: SIUE**

Thursday, February 13, 2020

Recess Brewing

307 N Main St, Edwardsville IL 62025

6 pm to 8 pm

[www.recessbrewing.com](http://www.recessbrewing.com)

## **March YMG Meeting:**

Thursday, March 12, 2020

1860's Hardshell Café

1860 S. 9<sup>th</sup> St. 63104

6 pm to 8 pm

[www.1860saloon.com](http://www.1860saloon.com)

## **April YMG Meeting:**

Thursday, April 9, 2020

SqWire's Restaurant & Annex

1415 S. 18<sup>th</sup> St., 63104

6 pm to 8 pm

[www.sqwires.com](http://www.sqwires.com)

## **May YMG Meeting:**

Thursday, May 14, 2020

Hair of the Dog

1212 Washington Ave, 63103

6 pm to 8 pm

Friday, November 8, 2019

DOORS OPEN at 6:30 pm - TRIVIA STARTS at 7 pm

Kirkwood Community Center  
111 S Geyer Rd, Kirkwood, MO 63122

Hosted  
by:

**ASCE**

AMERICAN SOCIETY OF CIVIL ENGINEERS  
ST. LOUIS YOUNGER MEMBER GROUP

**TRIVIA  
NIGHT**

All proceeds benefit ASCE St. Louis Section YMG community service, K-12 and college outreach, professional development and networking opportunities.



FOR MORE INFO,  
OR TO RESERVE  
YOUR TABLE:

E-mail Rebecca Relfel at  
[rmreifel@gmail.com](mailto:rmreifel@gmail.com)

## Geo-Institute News

Next Geo-Institute committee meeting is November 15, 7:30 AM at Geotechnology. There is a call-in number for those who can't attend in person. Please contact [jschaeffer@millennia.pro](mailto:jschaeffer@millennia.pro) for more details.

[Registration](#) is still available after November 1st at the walk-in rates.



**GEO-  
INSTITUTE**  
St. Louis Chapter



**STRUCTURAL  
ENGINEERING  
INSTITUTE**  
St. Louis Chapter

# Structural and Geo-Confluence

Friday, November 8, 2019

St. Charles Convention Center – St. Charles, Missouri

Registration is open for the fourth annual Structural and Geo-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.

### Agenda includes:

- Confidential Reporting on Structural Safety (CROSS) System – Andy Herrmann, SEI President
- Geotechnical Judgment and Risk, 2019 H. Bolton Seed Medal Lecture – W. Allen Marr, Geocomp
- Performance Based Design: What is it? Why it is the Future! – Don Scott, PCS Structural Solutions
- Development in Karst, Geo-Institute 2019-2020 Cross USA Lecture – Robert Bachus, Geosyntec Consultants
- Large Diameter Foundation Elements – Silas Nichols, Federal Highway Administration
- Structural Inspections/Observations: Why they Matter – Michael Griffin, CCS Group
- Morningstar Development over Abandoned Mine, Moline, Illinois – T. Michael McMillen, THD Design Group
- ASCE 7-16 Wind: Changes Affecting the Design Provisions – Don Scott, PCS Structural Solutions
- Encouraging Geo-Construction Difficulties – Gennaro Marino, Marino Engineering Associates
- Continuous Tie-down Systems for Multi-family Light Frame Structures – Jeff Vance, MiTek USA
- Failed Drilled Pier Foundation Excavation & Corrective Measures Taken – Garrick Pitts, Ameren
- Additional speakers and topics to be announced soon

Registration Class	Early Rate by Friday, October 18	Regular Rate October 19 to November 1	Late Rate After November 1 and walk-ins
Professional	\$195	\$250	\$295
Full-time Students	\$75	\$100	\$110
Local, State, or Federal Government*	\$100*	\$200*	\$295
Exhibitor (includes 1 registration)	\$450	\$450	\$450

\*To register with Government Rates, please contact Stephanie Spann

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

Please register at <https://conta.cc/2JCXOv3> (case sensitive)

Postmark checks by October 18 to register at the early rate, and November 1 for all other registrations.

Vegetarian and other meal options are available. Please contact Stephanie Spann with your request.

Refunds must be requested before Friday, October 25, 2019. 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@javedmason.com](mailto:sspann@javedmason.com)) and Greg Herpen ([herpeng@stbcglobal.com](mailto:herpeng@stbcglobal.com)).



**2019 Mid-American Environmental Engineering Conference (MAEEC):** For a number of years, the EWRI Chapter has been sponsoring this annual student conference series including to sponsor student awards. The EWRI Chapter was pleased to again sponsor the 2019 24<sup>th</sup> annual conference that was held at UM Columbia on October 19 and attended by environmental engineering/water resources graduate students and their faculty advisors from six universities in the region:

- *University of Missouri Columbia*
- *Missouri University of Science and Technology*
- *Washington University in St. Louis*
- *Southern Illinois University Edwardsville*
- *Southern Illinois University Carbondale*
- *Saint Louis University*

Dr. Diane McKnight, a member of the National Academy of Engineering, a Professor of Environmental Engineering and the Director of Center for Water, Earth Science and Technology at the University of Colorado, delivered the AEEESP Distinguished Lecture *Trouble Ahead, Trouble Behind: Acid Mine Drainage and Climate Change in the Rocky Mountains*. Four student award winners are:

- Best oral presentations: Dane Nguyen, Missouri S&T; Deoukchen Ghim, Washington U. in St. Louis.
- Best poster presentations: Anushka Mishrra, Washington U. in St. Louis; Mohamed Bayati of University of Missouri Columbia



2019 MAEEC Student Conference Group Photo



2019 MAEEC Student Award Winners, EWRI Chapter and Faculty Representatives

**2020 EWRI St. Louis Spring Symposium/Workshop:** Your inputs are important for the planning of our annual spring symposium/workshop. Please complete the survey by November 30, 2019 through <https://www.surveymonkey.com/r/72LSQMW>. Please contact the symposium chair Dr. Azadeh Akhavan Bloorchian at [azadeh.bloorchian@stantec.com](mailto:azadeh.bloorchian@stantec.com) for questions.

**Getting Involved with EWRI St. Louis Chapter:** You are invited to get involved with various activities of our Chapter such as organizing our webinar series and annual symposium/workshop and to offer your ideas how our Chapter can better serve our members and professional community. Please contact our Chapter chair Dr. Zhou at [jzhou@siue.edu](mailto:jzhou@siue.edu) for information and conversation.

To learn more about our Chapter's activities, please visit our LinkedIn page [https://www.linkedin.com/company/environmental-and-water-resources-institute-st-louis-chapter?trk=similar-pages\\_result-card\\_full-click](https://www.linkedin.com/company/environmental-and-water-resources-institute-st-louis-chapter?trk=similar-pages_result-card_full-click)





## EWRI St. Louis Monthly Speaker Series Event

The St. Louis Section of EWRI is pleased to announce our monthly webinar **on Thursday, November 21, 2019 at 11:30 am-12:30 pm Central Time.**

This presentation will be broadcast live over a webinar. Registration is free to ASCE members.

**Advance registration is required by Noon Monday, November 18, 2019.** Please register online in advance at the following link:

[https://docs.google.com/forms/d/e/1FAIpQLSett23vrZ79L3B3VtnV5nxypggVBOXiwBalpaOJF2ZFROB4ng/viewform?usp=pp\\_url](https://docs.google.com/forms/d/e/1FAIpQLSett23vrZ79L3B3VtnV5nxypggVBOXiwBalpaOJF2ZFROB4ng/viewform?usp=pp_url)

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

### **Management Practices for Control of Erosion and Sediment from Construction Activities**

Standard ANSI/ASCE/EWRI 66-17, "Management Practices for Control of Erosion and Sediment from Construction Activities," which establishes guidelines for controlling accelerated erosion caused by human activities at construction sites, was published in 2017. The Standard provides tools to ensure the discharge of sediment does not significantly increase at a construction site as compared with preconstruction conditions and offers step-by-step guidance for state and local officials looking to establish effective and cost-conscious programs to manage erosion and sediment. This webinar addresses the multiple authority nature of some projects and ways to organize your erosion and sediment planning/control. It will cover concepts, practices, and standards for erosion and sediment control addressed within the Standard; discuss erosion and sediment control plan components, preparation, site plan development, and evaluation; and offer guidance for plans/control measures for specific construction situations.

**Speaker: Donald W. Baker, PE, D.WRE, CPESC, VMA** has nearly 29 years of water resources engineering experience. Principal and Owner of Water Resources Solutions LLC in Prairie Village, KS, he holds the prestigious Diplomat, Water Resource Engineering, from AAWRE. A member of numerous professional organizations, Mr. Baker currently serves as Chair of the Wetland, Stream and Shoreline Restoration Committee for IECA, and is active in the EWRI of ASCE. He served as the Design Guidebook Subcommittee Coordinator and Chair for EWRI's Management Practices for Erosion and Sediment Control Standards Committee. The ASCE/EWRI/ANSI standard was published in 2017.

Mr. Baker is currently working on his doctorate at the University of Missouri-Kansas City in Civil (Water Resources) Engineering and Computer Science. He has a MS degree in Civil Engineering from the University of Kansas, and two BS degrees – Engineering Physics from Colorado School of Mines, and Agricultural Engineering from Colorado State. He is Adjunct Instructor for the Civil and Mechanical Engineering Department at the UMKC, and teaches continuing education courses for Auburn University.

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

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



## ASCE St. Louis Sustainability Committee Seminar: ASCE Launches Bold New Scenario-Planning Analysis – Future World Vision

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**SPEAKER:**

**Marsia “Marsie” Geldert-Murphey, P.E., F.ASCE**  
Regional Director, Illinois & Missouri Operations, Lochmueller Group  
ASCE Region 7 Director

**DATE AND TIME:**

Thursday, November 14, 2019, 3:30 PM – 4:30 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://bit.ly/2lgnHsE> (case sensitive)

**Short Description:**

Marsia Geldert-Murphey will introduce the American Society of Civil Engineer’s new bold and comprehensive project Future World Vision. Using data-driven, in-depth, scenario-planning analysis, Future World Vision puts civil engineers in a position to lead, not just today but decades into the future. ASCE narrowed a large list of future macrotrends into a group of six key trends: climate change, alternative energy, high-tech construction/advanced materials, autonomous vehicles, smart cities, and policy and funding. By mapping out key trends and potential outcomes, the project then analyzed a range of plausible future scenarios.

**About the Speaker:**

Marsia Geldert-Murphey is Regional Director of Illinois & Missouri Operations at Lochmueller Group and ASCE Region 7 Director. She was chosen as one of the St. Louis Business Journal’s Most Influential Business Women of 2010 for her commitment to the St. Louis Region, and her strong presence in the engineering community. Marsia has a passion for inspiring others to dream big. She encourages entrepreneurs to recognize the importance of collaboration. Her favorite quote by President John F. Kennedy – “A rising tide will lift all boats,” reflects that belief.



*If you have any questions or if you are interested in presenting at the committee seminars, please contact the committee chair, Siavash Zamiran, at [szamiran@meacorporation.com](mailto:szamiran@meacorporation.com)*

## Annual Missouri S&T Asphalt Conference



### 62nd ANNUAL MISSOURI S&T ASPHALT CONFERENCE December 3-4, 2019

The 62nd Annual Missouri S&T Asphalt Conference will be held on Tuesday and Wednesday, December 3-4, 2019, at the Missouri University of Science & Technology in Rolla, Missouri.

Presentations at the conference include: impact of rainfall and flooding on paving practices; recycled asphalt shingles: best practices; Rolla Airport full-depth reclamation project; plant burner operation and maintenance; Columbia Airport emergency case history; paving machine maintenance; quality control best practices; low gyration mixes; fingerprinting binders, additives, and modifiers; cost-effective friction surface treatments; asphalt advantages; city-owned asphalt plants pros & cons; transitioning from nuclear density gages; MAPA update; Flexibility Index test methods; compaction assessment using density profiling; new FAA construction specifications; electronic ticketing; intelligent compaction projects; micro-surfacing, RAP specific gravity; gyratory compactor calibration; 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; [richarddd@mst.edu](mailto:richarddd@mst.edu)) and for registration information contact Professional and Continuing Education, 216 Centennial Hall, Missouri S&T, Rolla, MO, 65409 (573-341-4200; [pce@mst.edu](mailto:pce@mst.edu)). If you are interested in being a sponsor or an exhibitor, please contact Michelle Wiginton at [wigintonm@mst.edu](mailto:wigintonm@mst.edu) or 573-341-4835.

ACpubAnnounce2019 (8-28-19).doc

## Fall 2019 FE Review Session

### Professional Engineer Refresher Course

These review courses are geared toward helping participants pass the Professional Engineer (P.E.) license exam. Spring classes will be held in the fields of:

- Civil- Water Resources, Geotechnical; Transportation, Construction, Structural;
- Mechanical-Mechanical Systems/Materials, Hydraulics & Fluids, Energy & Power Systems, HVAC/Refrigeration; and
- Electrical-Power

Course fee includes a three-ring binder, lecture notes, certificate of completion, and CEU's.

It is recommended that participants purchase their discipline's desk reference manual prior to the first class. Desk reference manuals can be obtained by going to the following website: <http://ppi2pass.com>

**Deadline for Registration:  
January 23, 2020**

#### ***How to Enroll – 4 Ways to Register:***

1. **Online** – To register online, go to [www.stchas.edu/learnforlife](http://www.stchas.edu/learnforlife)
2. **By Mail** – Complete the registration form, attach your check or money order, and mail to:  
SCC, Division of C&CD  
4601 Mid Rivers Mall Dr., HUM 103  
Cottleville, MO 63376-2865
3. **In Person** – Walk into 103 HUM with completed registration form and payment. Registration hours:
  - 8 a.m. – 5:30 p.m. Mon-Thurs.
  - 8:30 a.m. – 4:00 p.m. Fridays
  - After-hours drop box in HUM hallway
4. **By Phone** – Call 636-922-8233 during the hours listed above. Telephone registration: VISA, Discover, and MasterCard only accepted as payment. Registration Fee:
  - \$550 for MSPE & SAME members
  - \$600 for ASCE, ASME, ASHRAE & IEEE members
  - \$650 for non-members

Course content inquiries should be directed to

**Lisa Cheng, P.E.**

(314) 425-8355 or

[lisa.cheng@hdrinc.com](mailto:lisa.cheng@hdrinc.com)

For more details, please see the [Brochure here](#).



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](http://www.hornershifrin.com/careers). Visits and phone calls will not be accepted. Learn more about us at [www.hornershifrin.com](http://www.hornershifrin.com).

### **Transportation Project Engineer**

**CLASSIFICATION:** FULL-TIME

**OFFICE LOCATION:** St Louis, MO

**YEARS OF EXPERIENCE:** 5-10 YEARS

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

#### **POSITION REQUIREMENTS:**

- Candidate will work under licensed engineer
- Will be trained/proficient in the use of Microstation and 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.

# THD Design Group

civil - geotechnical - surveying

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

## **GEOTECHNICAL ENGINEER**

Sound basis in geotechnical engineering. Strong capability and experience in written and oral communications. Includes planning and executing geotechnical exploration programs and other field and laboratory testing, drilling/sampling, and construction activities including proficiency with geotechnical software, such as slope stability programs. Calculations include foundation type and excavation, bearing capacity and settlement, and construction of buildings and supporting structures for public and private clients. Minimum of 3 years applicable and increasing experience, and professional registration in Missouri are pluses. Recent graduates ready to be mentored will be considered.

## **GEOTECHNICAL TECHNICIAN**

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

\* \* \*



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

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

**Essential Job Functions:**

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

**Minimum Qualifications:**

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

**Preferred Knowledge, Skills, Abilities, and Experience:**

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

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

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

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

For additional information regarding our company and benefits offered our employees, please visit our website at [www.prairieengineers.com](http://www.prairieengineers.com).



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

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

## Senior Bridge Project Engineer

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

*Job ID: 1018-19763*

### Overview

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

### Job Summary

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

### Essential Responsibility

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

### Basic Qualification

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

### Preferred Qualification/Skills

- Master's degree in Engineering
- PE/AICP

### General Work Conditions

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

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

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





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

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

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

### **Civil Engineer - Entry Level to 5+ Years**

The ideal candidate will also possess the following attributes:

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

Typical responsibilities will include:

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



## **Structural Engineer II**

[www.lochgroup.com](http://www.lochgroup.com)

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

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

### **Duties:**

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

### **Qualifications:**

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

### **Education:**

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

### **Experience:**

- 4+ years of experience

# SPECIAL INSPECTIONS & DESIGN

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**POSITION:** Structural Engineer

**DESCRIPTION**

Special Inspections & Design is a leading provider of specialized engineering services in the structural, civil, industrial, and welding fields in Missouri, Illinois, and California. Our professionals are technical experts in structural engineering design, special inspections, and nondestructive testing.

We are seeking an experienced Structural Engineer (5 – 10 years) for an opportunity to work on a wide variety of projects. The position will be based out of our Collinsville, IL office. You will be responsible for analysis and design of structural systems and components using structural steel, concrete, masonry, wood, and light gage steel. Your duties will include preparation of construction drawings and specifications, visual structural inspections, report preparation, and construction review.

**QUALIFICATIONS**

Qualified candidates must have:

- BS in Civil Engineering (MS is a plus).
- PE license (SE is a plus).
- Minimum 5 years experience (5 – 10 years is ideal).
- Working knowledge of structural engineering software (RISA is ideal).
- Working knowledge of IBC and other national standard codes.
- AutoCAD proficiency.
- Good written and oral communication skills.

**TO APPLY**

Please send resume and any questions to Ashlee Peno at [ashleepeno@SIDengineers.com](mailto:ashleepeno@SIDengineers.com)

For more information about our company please visit [www.SIDengineers.com](http://www.SIDengineers.com)

ASSISTANT PROFESSOR (Two Positions)

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

SOUTHERN ILLINOIS UNIVERSITY CARBONDALE

**Engineering at SIU Carbondale** invites applications for two full-time, continuing, tenure-track faculty positions at the rank of Assistant Professor: one in the area of Water Resources Engineering (ENGR-244) and the other in the area of Environmental Engineering (ENGR-245). Applicants for both positions must have an undergraduate degree in Civil Engineering and an earned doctorate in Civil Engineering or a closely related engineering field by the time of appointment at SIU Carbondale. ABD applicants will be considered if all requirements for the Ph.D. will be completed by August 15, 2020. If all degree requirements are not completed by that date, a term, non-tenure track appointment may be offered in accordance with University policy ([http://policies.siu.edu/personnel\\_policies/chapter2/ch2-faps/conting.php](http://policies.siu.edu/personnel_policies/chapter2/ch2-faps/conting.php)). For position ENGR - 244, applicants must have a specialization in the area of Water Resources Engineering. For position ENGR - 245, applicants must have a specialization in the area of Environmental Engineering. Special consideration will be given to applicants with professional practice experience. In addition, professional engineer (PE) licensure is desirable and will be required for tenure. Applicants for both positions must have a demonstrated potential for high quality research and teaching undergraduate and graduate courses in Civil Engineering, Water Resources Engineering (for ENGR-244), and Environmental Engineering (for ENGR-245), with research documented by publications and/or funded projects. The department provides support and excellent opportunities for the development of new faculty. For additional information on the positions, please visit [www.siu.edu/jobs](http://www.siu.edu/jobs).

Applicants must submit a cover letter which specifies the position being sought and which clearly describes the candidate's qualifications for the position, a complete vita, a teaching statement (maximum 2 pages), a research statement (maximum 2 pages), and a list with complete contact information for at least three references to:

Chair-Faculty Search Committee  
Department of Civil and Environmental Engineering  
Mail Code 6603  
Southern Illinois University Carbondale  
1230 Lincoln Drive  
Carbondale, IL 62901  
[jlangin@siu.edu](mailto:jlangin@siu.edu)

Application deadline: November 15, 2019 or until filled. Anticipated starting date is August 16, 2020.

SIU Carbondale is an affirmative action/equal opportunity employer of individuals with disabilities and protected veterans that strives to enhance its ability to develop a diverse faculty and staff and to increase its potential to serve a diverse student population. All applications are welcomed and encouraged and will receive consideration.



STATE OF ILLINOIS  
Environmental Protection Agency  
1021 N. Grand Avenue East  
P.O. Box 19276 Springfield, IL 62794-9276  
<http://work.illinois.gov>

## DEPUTY BUREAU CHIEF FOR WATER POLLUTION CONTROL

BID ID #: 40070-46-14-100-00-01  
JOB TYPE: Full-Time  
SALARY \$94,800.00 - \$117,600.00 Annually

NUMBER OF VACANCIES: 1  
PLAN/BU: TG063  
OPENING DATE: 10/16/19  
CLOSING DATE: 11/6/19 11:59 PM

### POSITION OVERVIEW:

The Bureau of Water is seeking a qualified individual to serve as the Deputy Bureau Chief for the Division of Water Pollution Control (DWPC) located in Springfield, IL. The selected candidate will possess strong leadership and communication skills, be willing to use innovative ways to guide the DWPC and its staff consisting of approximately 146 individuals into the many new and existing water pollution control programs. As a leader for the DWPC, the individual in this position will frequently represent the Illinois Environmental Protection Agency (IEPA) and Bureau of Water on various water pollution control policies to state, federal and local governments, industry, public interest groups, and stakeholders. This individual should also possess the knowledge and experience to initiate and establish policies, standards, procedural guidelines for all DWPC operations to secure and continue delegation of authority from the U.S. Environmental Protection Agency (USEPA). This individual also recommends, prepares and submits Illinois Pollution Control Board (PCB) rules and regulations, legislative initiatives, and Agency procedures to further water pollution control programs.

### POSITION ESSENTIAL FUNCTIONS:

30% - As Deputy Bureau Chief of the Division of Water Pollution Control (DWPC), plans, organizes, reviews and directs the activities of the DWPC:

- Prepares within Agency guidelines, the division action plan for the statewide Pollution Control Programs to insure goals set by United States Environmental Protection Agency (USEPA) are consistently met; maintains liaison with other divisions and coordinates inter-divisional programs;
- Represents and speaks on behalf of the Bureau Chief, Agency and the Director of IEPA at various meetings and conferences;
- Collaborates on the Division's Pollution Control programs with federal, state and local governmental agencies and officials.
- Travels in performance of duties.

25% - Supervises subordinate managers engaged in conducting the statewide DWPC programs of Field Operations Section, Water Pollution Control Permits, Water Quality Standards, Water Pollution Surface Water and Water Pollution Compliance Assurance:

- Assists in interpreting with State, Agency and Divisional policy for subordinates and other Agency personnel;
- Assigns and reviews work;
- Provides guidance and training to assigned staff; Reassigns staff to meet day to day operating needs; Establishes annual goals and objectives; Approves/disapproves time off;
- Adjusts grievances, and effectively recommends and imposes discipline, up to and including discharge;
- Prepares and signs performance evaluations

20% - Insures effective implementation of comprehensive programs to regulate complex municipal and industrial sources of pollution through application of treatment technology, compliance assistance and enforcement:

- Oversees the development and implementation of programs to address pollution from diverse sources.

10% - Initiates and establishes policies, standards and procedural guidelines for DWPC operations to secure and continue delegation of authority from USEPA for all DWPC programs:

- Develops and implements all necessary Divisional programs to carry out both long term and short term objectives;
- Estimates resources (staffing, dollars, legislation and regulations) to accomplish goals and objectives;
- Establishes budget priorities for the Division, and directs and monitors their implementation.

10% - Responsible for recommendations, preparation and submission to Bureau Chief or Agency Director, the necessary legislative initiatives, proposed changes to the PCB rules and regulations, and Agency policy and procedures necessary to accomplish program objectives:

- Provides and seeks opportunities for input from the regulated community and public interest groups on Agency rulemaking proposals.

5% - Performs other duties as required or assigned which are reasonably within the scope of duties enumerated above.

### **MINIMUM REQUIREMENTS**

Requires a Bachelor's Degree in Engineering

At least (3) three years of experience in managing a staff of highly technical professionals At least (4) four years of experience applying State and Federal water pollution control laws

At least (3) three years of experience in developing monitoring programs for surface waters

### **PREFERRED QUALIFICATIONS:**

Experience in developing and implementing water pollution control policies and programs Experience in working with water pollution control permitting

Experience in compliance, enforcement and inspection of facilities Experience participating in the development of water quality standards

Experience in developing or implementing monitoring programs for surface waters Prefer a Professional Engineering License

### **CONDITIONS OF EMPLOYMENT**

Requires ability to pass a background check.

Requires a valid driver's license. Requires ability to travel.

Requires ability to work at various times outside of normal office hours to meet deadlines (infrequently).

Requires use of an agency-supplied mobile phone. Requires ability to utilize a personal computer.

### **WORK HOURS & LOCATION/AGENCY CONTACT**

Work Hours: 8:30 AM - 5:00 PM Monday-Friday

Location: IL Environmental Protection Agency 1021 N. Grand Avenue East Springfield, IL 62702

### **ABOUT THE AGENCY**

The Illinois Environmental Protection Agency (IEPA), Bureau of Water, Division of Water Pollution Control is responsible for monitoring the quality of the state's surface waters; administering a water pollution control permitting program; regularly inspecting sources of water pollution; responding to citizen complaints; insuring compliance with regulatory standards; and enforcing applicable regulatory requirements.

### **HOW TO APPLY**

**\*\*\*\*\* IMPORTANT INFORMATION ABOUT THIS POSITION \*\*\*\*\***

This position is an "**ONLINE APPLICATION ONLY**". Apply to this position using the "**Apply**" link

[https://agency.governmentjobs.com/illinois/job\\_bulletin.cfm?JobID=2602972](https://agency.governmentjobs.com/illinois/job_bulletin.cfm?JobID=2602972)



## Missouri Section

American Water Works Association

### Section Administrative Manager

Salary - Commensurate on education & experience; \$25,000.00 - \$35,000.00 annually

Location - State of Missouri

Position type - Part time  
(Average of 20 hrs./week, at times more)

### Description

The Missouri Section of the American Water Works Association (Section) is currently seeking a Section Administrative Manager to assist in all manner of Section business under general supervision of the Section Chair and Section Board of Trustees (Board). Responsibilities will include the general management of the affairs of the Section, coordinating daily activities of the Section, establishing and maintaining Section administrative & historical records, meeting minutes, and the Section Roster, maintaining & managing a Section calendar of events, and developing & maintaining an effective communication program for the Section membership, Board, and Committee Chairs. The successful candidate will be responsible for maintaining the Section's primary telephone number, email address(s), and postal address; serving as the primary point of contact for outside entities and the American Water Works Association (Association) by responding to inquiries directly and/or routing to the appropriate Section member, and performing other duties as required. The candidate will be required to establish and maintain familiarity with Section and Association policies, benefits, programs, etc. for the benefit of the Section. The Administrative Manager will be heavily involved in the execution of the Section's Joint Annual Meeting; attending for the duration, assisting with conference registration prior to and on-site, receive & respond to communication, conduct onsite registration, record & maintain Section business conducted, and maintain conference records.

### Requirements & Qualifications

- Graduation from a 4-year college with a degree in management, business administration, or related with at least 3 years of administration professional experience or equivalent combination of education and experience.
- Intermediate to advanced basic computer skills, including familiarity with Microsoft Office product suite, website content development, and Google web tools such as Drive.
- Be able to effectively work in an environment with multiple personalities and working dynamics.
- Working experience and/or substantial knowledge of a nonprofit entity's organization, structure, and functionality; with strong preference for experience in the water industry.
- Possession of a valid State of Missouri driver's license, or the ability to acquire one within three (3) months of employment.
- Reside in or be willing to relocate to the State of Missouri.
- Willingness and ability to travel multiple times per year within and outside the state, including furnishing of your own reliable vehicle. (Approved travel for Section business is reimbursed.)
- Bondable by a bonding agency.

To apply email cover letter & resume to Bob Parks at [rpindop@gmail.com](mailto:rpindop@gmail.com)

First review of applications November 13th, 2019