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Upcoming Events

May

- 11 Monthly Webinar – USACE MEGA Project
- 13 YMG Monthly Meeting
- 20 EWRI Monthly Webinar Speaker Series

June

- 1 Section Awards nominations due

Follow the Section and share with your network.



Update your bookmarks with our new Section website

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



You're invited to the ASCE monthly webinar on May 11, 2021.

In lieu of a luncheon, ASCE will provide a continuing education webinar from 11:45 AM to 1:00 PM CDT. You are invited to participate in the webinar remotely from your individual location. The cost for participating is free. A link to access the webinar from your computer will be provided upon registration.

Please click here to sign up!!!

USACE MEGA Project

Stacy L. Roettger, PE - Area Engineer, USACE Kansas City District

Abstract: The US Army Corps of Engineers Kansas City District is managing the MEGA Project for the National Geospatial Agency West (N2W) Program. The program consists of one large Design Build Contract that was awarded to McCarthy-HITT Joint Venture and several contracts that will be awarded to small business contractor's in 2022. The NGA complex will replace current facilities located in St. Louis and includes the Main Operations Building (767K SF), Central Utility Plant, Visitor Control Center, Remote Inspection Facility, Access Control Points and two Parking Garages.

About the Presenter: Stacy Roettger has worked for the U.S. Army Corps of Engineers (USACE) since 2009. She is currently the Resident Engineer for the Next NGA West Program Office in the Kansas City District, located in St. Louis, Missouri.

Stacy Roettger started her career with the St. Louis District, Construction Division, as a student intern in 2000 and completed her B.S. Degree in Civil Engineering from Washington University in St. Louis in 2002. After graduating, Stacy accepted a position with Farnsworth Group in Peoria Illinois as a structural engineer for a year and then continued as a structural engineer at SSE, Inc. in St. Louis, Missouri, for the next five years. As a structural engineer, Stacy designed banks, schools, hospital additions, etc. in a variety of materials. In 2009 Stacy took a permanent position with the U.S. Army Corps of Engineers as a project engineer for the Construction Branch in the St. Louis District. Stacy obtained her Professional Engineer license in 2010 in the state of Missouri and completed Level 2 training in Contracting in 2011 in order to obtain her warrant as Administrative Contracting Officer (ACO). In May of 2014 Stacy was promoted to the Resident Engineer at Scott Air Force Base for the Louisville District and obtained her ACO warrant and was designated ACO for DISA CONUS Facility (\$80M). P-4 Renovation (\$20M), Visiting Quarters (\$45M), and various other contracts. Stacy accepted a position as the Resident Engineer and ACO for the Next NGA West Program Office (\$1B MEGA Project) in August of 2017 and was promoted to Area Engineer on the N2W Program in December of 2020. Stacy has been involved in a wide variety of military and civil works projects including building construction, flood walls, Lock and Dam rehabilitation, etc. Her experience at the U.S. Army Corps of Engineers has centered around construction management responsibilities in her various assignments as Project Engineer, Resident Engineer, and Area Engineer.

In her spare time, Stacy enjoys reading, baking, renovation projects at home, traveling, and spending family time with her husband Matt Roettger, sons Jordan and Landon, and granddaughter, Ella.

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President's Message



I love cars. LOVE THEM. I love their design. I love hearing the engines. I love working on them. I love watching them race (IndyCar!). And I absolutely love driving them. However, since COVID (and really as far back as my first engineering job in Denver), I have been riding a bicycle a few days a week. This month is National Bike Month. Since 1956 National Bike Month has been promoted by the League of American Bicyclists.

Why am I, a dedicated car guy, speaking about a (very) non-car thing? Because Complete Streets. The USDOT's Complete Streets policies from 2010 is an

answer to the question "What did you do to account for bicyclists and pedestrians in your project corridor?" Answers can include sidewalks, restriping for a shared bike lane, a separate on-street bike lane, or a separated shared-use path.

I'm sure you've seen these answers in your city, or just look at Downtown St. Louis. Newly restriped bike lanes separated by parking lanes. Striped "sharrows" on the road indicating cyclists may be next to your car when traveling. Great Rivers Greenway or MCT have their own paths all throughout the area, linking with on-road routes and adjacent corridors.

I was fortunate to work on the first downstate Illinois project to use Complete Streets policies for our project (IL Route 3 in Waterloo, IL). From these policies we identified a need and was able to add a solution throughout our project corridor. Literally, throughout. Our shared-use path starts at the south end at a subdivision, routes up near the high school, under the highway, and runs to the north, connecting side streets and recreational points of interests. Since then, I have designed separate bicycle facilities, parallel paths/sidewalks, and have been on other teams addressing the needs for more improvements for the non-motorized public. Nearly every project I work on involves some kind of non-car accommodation. This isn't coincidental. Our national transportation budgets include more and more multimodal funding. Grant programs exist to reduce our congestion and improve air quality. These programs generally like bike facilities.

OK, so what's this do for you, Mr. Car guy? Being outside moving around is pretty healthy, for starters. I ride primarily to exercise. It's been a great release from the stresses of work and too many animals at home. I've hopped on my bike and rode to the local grocery store for a few items I need at the house. Selfishly, it also gets more motorists out of my way so I can enjoy my roads. I can also ride to get to work. Speaking of the office: National Bike to Work Day is May 21. So, air up those tires, strap on your helmet, and get to pedaling! And for us drivers, Share the Road.

For more information on National Bike to Work Day, visit <https://bikeleague.org/content/bike-month-dates-events-0>.

- Jordan

Keep Your Membership Current

Are you up to date on your membership dues? 2020 was certainly not normal, but hopefully you were able to take advantage of the wide variety of quality virtual events we held throughout the year. We had great attendance at our luncheons and the conferences our institutes held.

ASCE on the local and national level are still focused on helping you get the most of your membership, with several great benefits, such as:

- World class continuing education
 - 10 free archived webinars annually, you can earn PDHs for the webinars you successfully complete.
 - eLearning is also free which focusses more on soft skills.
- Free compensation and benefits information with ASCE's Salary Survey
- Technical and Professional Information including *AccessEngineering*, a robust searchable repository of civil engineering information
- Opportunities for local networking and PDH events
- Continued championing of regional and national infrastructure report cards

Please update your ASCE membership status. If you don't know your current status, you can log in to asce.org or contact the St. Louis Section Membership Chairperson, Lyle Simonton at lsimonton@subsurfaceconstructors.com.

Impact of Coronavirus on Scheduled ASCE Programs

Per a [recent memo](#) from Jean-Louis Briaud, ASCE President and Thomas W. Smith III, ASCE Executive Director:

“Unfortunately, recent weeks have seen sustained, and even increasing, community spread of the virus. In view of this concern, and recognizing our ethical obligation to protect the public health, safety and welfare, we strongly encourage you to pursue alternative options, such as the use of virtual platforms for meetings to be held through **June 30, 2021.**” All ASCE Institute, Region, Section, Branch, Younger Member and Student Leaders should review the full [memo](#) to better understand our obligations regarding meetings, events or other activities. More general information and details for events can be found at <https://www.asce.org/covid-19/>.

Open Committee Positions

Communications Co-Chair - The Committee's primary goal is to communicate to all local members news of past, present, and future activities and programs for the purpose of stimulating greater interest and participation in section affairs. The Co-Chair is expected to work closely with the president and chairmen of other committees to obtain information of vital interest to the membership. Correct and timely information should be obtained from the program committee regarding forthcoming meetings. Valuable news will also be found in the Section Leader, a regular publication issued from ASCE headquarters. An informal but regular system of contacts or reporters is an essential ingredient to the collection of interesting news.

Call for Local Award Nominations

Do you have an outstanding project or colleague who deserves recognition? Consider nominating them for an ASCE St. Louis Section award! These prestigious awards are presented at the Annual Awards Dinner in September and are a great way to showcase the civil engineering excellence in our Section!

The St. Louis Section is seeking nominations until **June 1, 2021** for the following Local Awards:

St. Louis Section Project of the Year

This award is made annually for any engineering project that falls into the general category of civil engineering. The award is given to the owner, lead design engineer and general contractor of the project. Only engineering and construction achievements within the boundaries of the St. Louis Section are eligible. The project must have been completed and placed into operation within 5 years of the date the nomination is submitted. 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”.

Professional Recognition Award

This award recognizes the importance of professional attainment in the advancement of the science and profession of engineering and is presented annually to a Member of the St. Louis Section who has made substantial contributions to the engineering profession and the St. Louis Section.

Young Engineer Award

This award recognizes professional contributions of younger members to the Society and to the Section and is presented annually to a Member of the Section who is less than 35 years of age on February 1, 2021.

Award to Service People

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 awardees need not be civil engineers but are selected based on their service to the general public that has some connection with the planning, design or construction of the people serving works of the civil engineering profession.

Excellence in Journalism Award

This award is to honor journalists for outstanding articles that enhance public understanding of the role and impact of civil engineering in designing solutions for clean water, transportation, the environment, and other public works projects. Nominations will be accepted for journalists and producers from English-language, general-interest regional and national newspapers, radio and television stations, magazines, and electronic and Web-based news outlets.

Please submit nominations to Michelle Bresnahan at MBresnahan@lochgroup.com. Guidelines and forms for making nominations are available on our St. Louis Section website at: <http://sections.asce.org/st-louis/awards> under the “Awards” tab or the information can be emailed or mailed to you upon request. Email MBresnahan@lochgroup.com or call 314-446-3795 with questions.

Deadline for submittal is June 1, 2021.



EWRI ST. LOUIS MONTHLY SPEAKER SERIES EVENT

The St. Louis Section of EWRI is pleased to announce our monthly webinar on **Thursday, May 20, 2021 from 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, May 17, 2021.** Please register online at the following link:

[EWRI May 2021 Speaker Series Presentation](#)

Registrants will receive detailed login and dial-in information prior to the event.

ASCE CODE OF ETHICS: WATERSHED MOMENT

The ASCE (American Society of Civil Engineering) Board of Direction in October 2020 approved a transformational change to its Code of Ethics. The way it is organized and structured, the language used and several new aspects were incorporated. By weaving together ethical theory and practical, Dr. Steven Starrett and Dr. Carlos Bertha will show during this webinar why ASCE's new Code of Ethics is, indeed, a "watershed moment" in engineering ethics.

SPEAKERS

Steven K. Starrett, PhD, PE, D.WRE, F.ASCE, F.EWRI

Dean of Engineering and Engineering Technology at LeTourneau University

Dr. Steven K. Starrett became the Dean of Engineering and Engineering Technology at LeTourneau University in 2017. LeTourneau University, the Christian Polytechnic University, has been providing an innovative, hands-on engineering education since it was founded in Longview, TX in 1946. Steve obtained a BS in civil engineering from Missouri University of Science & Technology in 1989, and obtained an MS and PhD in civil engineering from Iowa State University in 1992 and 1994, respectively. Dr. Starrett served on the civil engineering faculty at Kansas State University for 23 years and was Director of the institutional-wide Honor and Integrity System. Steve served as the ASCE-Environmental and Water Resources Institute President in 2017. That same year, he received the prestigious Professional Practice Ethics and Leadership Award granted by ASCE, and in 2018, received the Service to the Institute Award from ASCE-EWRI. Steve is a licensed PE in AR, KS, MO, OK and TX. Steve enjoys the great outdoors, fishing, visiting national parks, riding motorcycles, and attending bluegrass music festivals.

Carlos Bertha, PhD

Professor of Philosophy at US Air Force Academy

Dr. Carlos Bertha is a Professor of Philosophy at the US Air Force Academy (USAFA) in Colorado Springs, CO. He received a BS in Mechanical Engineering from the University of South Florida (USF) in 1989. After working at the USACE Savannah District for five years, he returned to USF, this time to study philosophy. He has been at USAFA since June 2000, teaching Ethics, Analytic Philosophy, Symbolic Logic, and Philosophy of Science. Carlos recently retired from the US Army Reserve after 30 years of service, achieving the rank of Colonel. He served a combat tour with the USACE in Gardez, Afghanistan. Carlos was an instructor for the Command and General Staff Officers Course, focusing on organizational leadership, joint doctrine, and professional ethics. His last assignment was Deputy Commander of the Army EPLO Group, under the 76th Operational Response Command, in Salt Lake City, UT. Carlos enjoys going to the beach, riding his bike, and even snowboarding when the conditions are right.

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

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

Younger Member Group Update

May YMG Meeting:

Tale to Table with partnerships through Chateau Maplewood and Kakao Chocolate will be hosting a virtual wine, cheese, and chocolate tasting to help us celebrate our last virtual meeting before we break for summer! All ASCE Younger Members are welcome to attend.

[Register for the Event by May 8, 2021](#)

Thursday, May 13, 2021

6:00 - 7:00 pm

Join Zoom Meeting

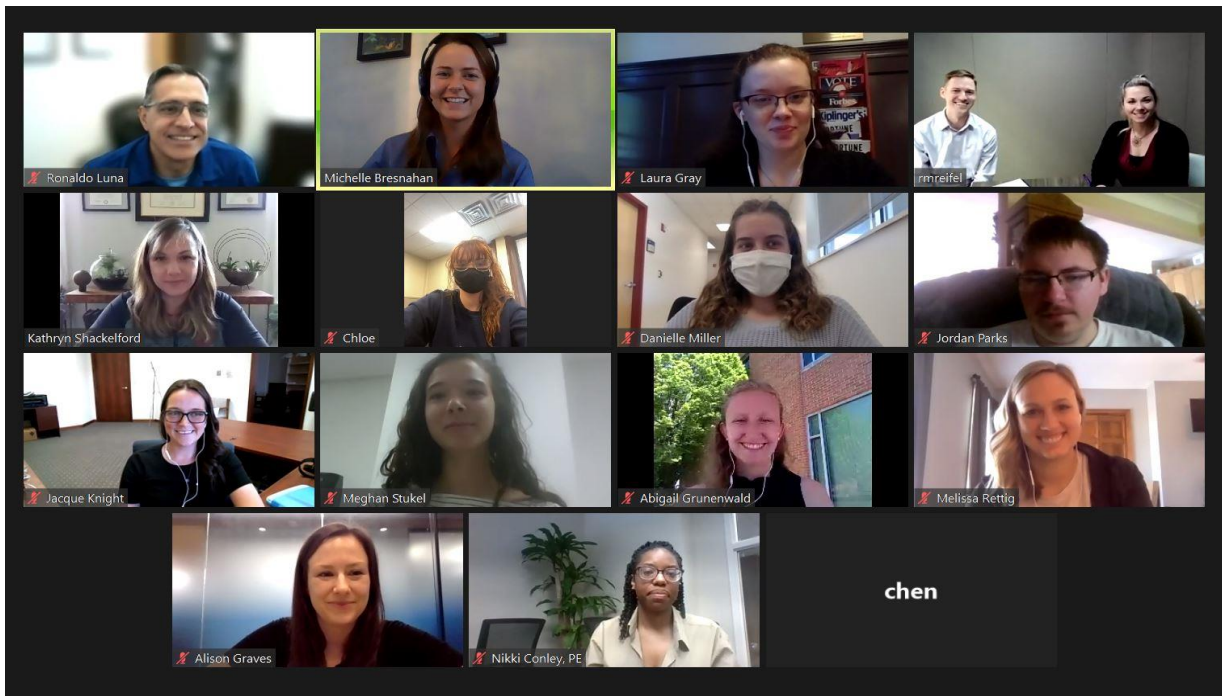
<https://zoom.us/j/96072333694?pwd=Mk1tem9xSHdBWV4S2psTFBIRmpkZz09>

Meeting ID: 960 7233 3694

Passcode: fU78EL

Meet a Professional Luncheon

Thank you to all of the participants who attended the Meet a Professional Luncheon held on April 30, 2021! We were able to virtually connect professionals and students within our section over the lunch hour. We had a successful event with 12 professionals, 8 SLU students and 5 SIUE students.



Pictured from top left to bottom right: Dr. Ronaldo Luna, Michelle Bresnahan, Laura Gray, Chad Schrand, Rebecca Reifel, Kathryn Shackelford, Chloe Groner, Danielle Miller, Jordan Alexander Parks, Jacque Knight, Meghan Stukel, Abigail Grunenwald, Melissa Rettig, Alison Graves, Nikki Conley, and Shishi Chen

Contact Michelle Bresnahan, YMG Chair, at MBresnahan@lochgroup.com if you would like to be added to the email list or if you have any questions or comments regarding the YMG Update.

Missouri Society of Professional Engineers Luncheon Rebuilt: Engineered to Hear

Abstract:

Michael became a cyborg in 2013 when his new ear was booted up. Born hard of hearing in 1966, he experienced a progressive hearing loss until he went nearly completely deaf in his forties. Rather than live in silence, he had a computer surgically embedded in his skull to artificially restore his hearing.

This presentation will outline the engineering marvels related to cochlear implant technology. Also discussed will be the very definitions of Deaf/deaf/hard of hearing. Are you fascinated by technology and human machine interaction, or have you always appreciated how engineers improve our daily lives, or are you or someone you care about suffering hearing loss? If so please join us for this presentation. The stuff of science fiction just a couple decades ago is now the possibility of a new technological era.



About the Presenter:

Michael T. Buechter, PE, D.WRE, F.EWRI: Michael is a Program Manager with the Metropolitan St. Louis Sewer District. Michael received his BSCE degree from Missouri S&T and his MSCE degree from Oklahoma State University. He is a Past-Director of the Engineers' Club of St. Louis, Past-President of the local section of ASCE, Past-Chairman of the local chapter of EWRI, current Past-President of the St. Louis Chapter of the Missouri Society of Professional Engineers. He is also a past member of the EWRI of ASCE Society Level Governing Board. He has dealt successfully(?) with life-long hearing loss, as well as with assistive technologies most of that time and has been wearing a cochlear implant for over seven years.

Time, Date, Location

Noon to 1:00pm, May 20, 2021. This will be a virtual presentation. One (1) PDH is available

Cost There is no cost of this event.

Registration

Please join using the link below, no registration is needed. <https://zoom.us/j/97040411235>

Employment Opportunities



With over 25 years in the St. Louis engineering community, EDSI has built a solid reputation for quality work and a cohesive office culture. The company is expanding and currently seeking to fill the following openings.

Job Title: Roadway Engineer

Location: Chesterfield, MO

EDSI has an immediate opening for a full time Roadway Engineer with 4-10 years of experience. The ideal candidate will have a strong interest in detailed design work as well as the ability to interact with clients and contractors. Responsibilities include a broad range of planning and design tasks such as roadway design, roadway rehabilitation, ADA compliant designs, bike and pedestrian trail design, traffic signal design, geometric layout, drainage/hydraulics and quantity development. The position requires competent skills to complete feasibility reports and prepare conceptual, preliminary and construction plans and bid documents for a variety of public and private clients.

Requirements include a B.S. in Civil Engineering from an ABET-Accredited University, Professional Engineer License or plan to obtain a P.E. License, proficiency in AutoCAD Civil 3D and GeoPak, an understanding of construction and bid documents including project specifications and strong technical writing, analytical and communication skills.

Please send resume to: [hiring@engdesignsource.com](mailto: hiring@engdesignsource.com)
<http://engdesignsource.net/>

Job Title: Hydraulic/Water Resources/Civil Engineer

Location: Chesterfield, MO

EDSI has an immediate opening for a full time Hydraulic/ Water Resources/Civil Engineer with 4 or more years of experience to support our Structures/Water Resources and Transportation Groups. The ideal candidate for this position will be expected to perform analysis and design related to bridge replacement projects, flood protection, hydraulic studies, and drainage studies. Experience with all H&H aspects of bridge replacement design for small and medium creeks and waterways is required. Roadway drainage design experience; MSD, MoDOT and IDOT experience; and the ability to support structural and/or roadway design is preferred.

Requirements include a B.S. in Civil Engineering from an ABET-Accredited University, proficiency in HECRAS, stormwater drainage system analysis, AutoCAD Civil 3D and/or MicroStation. A Professional Engineer License in the State of Missouri required, with a P.E. License also in Illinois preferred.

Please send resume to: [hiring@engdesignsource.com](mailto: hiring@engdesignsource.com)
<http://engdesignsource.net/>



Job Title: Civil Engineering CAD Technician

Location: Chesterfield, MO

EDSI has an immediate opening for a full time Civil Engineering CAD Technician. The ideal candidate should have 3-5 years of experience in design drafting of transportation related projects.

Responsibilities include assisting project managers and engineers with the design and layout of engineering drawings, development of engineering details, preparation of conceptual layouts for bridges, highway, and street projects including drainage design.

Job Requirements:

- Proficient in AutoCAD, and/or MicroStation design and drafting software
- Work independently, plus the ability to coordinate effectively with multi-disciplined project teams
- Ability to read construction and engineering documents
- Possess workload management skills to meet deadlines
- Detail-oriented

Please send resume to: hire@engdesignsource.com
<http://engdesignsource.net/>



Civil Engineer/E.IT or P.E – Competitive – Wentzville, Missouri

The Role

Are you an innovative civil engineer with project management experience? If so, Cochran Engineering, one of the largest engineering firms in St. Louis, are looking for a Civil Engineer/E.IT or P.E.

The successful candidate will perform as a project manager, supervising the execution of work and ensuring that the firm maintains its high quality standards.

The key responsibilities of a Civil Engineer/E.IT or P.E include, but are not limited to:

- Performing engineering design.
- Preparing technical reports.
- Building and maintaining positive external relationships with clients, and internal relationships with colleagues.
- Providing direction, coordination, quality assurance, and quality control to engineering colleagues.
- Leading by example, operating with integrity and sound business principals.

The Company

Cochran Engineering is an established, multi-location civil engineering and land surveying firm currently ranked among largest engineering Firms in the St. Louis area by the St. Louis Business Journal.

With 60 years' experience, we are dedicated to building long-lasting client relationships and have an outstanding reputation for superior customer service.

The Benefits

- Simple IRA with 4% Company Match.
- Company paid medical, dental, vision, life and long term disability Insurance.
- Flexible benefits plan.
- Paid vacation/sick time and holidays.
- Professional development training.
- Compleitive salary, commensurate with experience.
- Relocation package may be available for this position.

The Person

The essential skills and qualities of a Civil Engineer/E.IT or P.E:

- E.I.T. or P.E. in the State of Missouri.
- 3 to 5+ years' experience in Civil Design.
- Bachelor's Degree – Civil Engineering.
- Proficiency with AutoCAD and Civil 3D.
- Project management skills.
- Areas of expertise may include but are not limited to: roadway, site design, commercial design, water and sewer, and/or residential development.
- Experience with design of hydraulics, hydrology, grading and overall site development is desired.

If you are interest in joining this forward-thinking company, please submit your resume to msample@cochraneng.com.



CITY OF TOWN AND COUNTRY DIRECTOR OF PUBLIC WORKS

The City of Town & Country, MO, is seeking an experienced individual with proven leadership and management skills to serve as Director of Public Works. The Director reports to the City Administrator and oversees the professionals managing our building, code enforcement, and public works team.

Town & Country is a premier community of approximately 11,000 residents, covering approximately 12 square miles in the heart of St. Louis County.

The dynamic Public Works Department is an integral part of the community. The Director should have experience with residential and commercial building regulations and enforcement, street maintenance and construction, right-of-way maintenance, snow and ice control, code enforcement and facility management.

The Director of Public Works also works closely with the City Planner in reviewing plans for new developments. Broad experience in capital projects management and short and long-term planning for public operations and infrastructure is essential. Applicants must be “team oriented” with the ability to interact effectively with staff, the public, developers, and contractors.

City code requires a Bachelor’s Degree in Civil Engineering and Missouri registration as a PE.

The City offers an excellent benefit package including medical, dental and life insurance, and LAGERS retirement. Starting pay is approximately \$100,000.

Please submit resume, cover letter and recent salary history to City Administrator Bob Shelton at SheltonB@town-and-country.org or mail to: Public Works Director Search, The City of Town & Country, 1011 Municipal Center Drive, Town & Country, MO 63131.

Position will remain open until filled.

The City of Town & Country is an Equal Opportunity Employer.



JOB OPENINGS

Horner & Shifrin, Inc. is currently looking for candidates to fill the positions of:

Project Manager (Water/Wastewater)

5+ years' experience in water & wastewater design, Poplar Bluff, MO

Project Manager (Civil/Site)

10+ years' experience using Civil 3D CAD Modeling, O'Fallon, MO

Engineer (Structural Bridge)

Previous bridge design experience, OSHA 10 preferred, Chicago/St. Louis

Project Manager (Transportation)

10+ years' experience, knowledge of GEOPAK SS4 or Civil 3D, Poplar Bluff, MO

Construction Engineer

3+ years' experience on ILDOT/or Tollway site construction projects, field experience with field inspections, Chicago

Please visit our website at <https://www.hornersshifrin.com/careers/>



Job Title: Transportation/Roadway Design Engineer

Location: Effingham, IL or St. Louis, MO

Civil Design Inc.

A certified Woman Business Enterprise, Civil Design, Inc. is a civil engineering firm of 80+ team members committed to building stronger communities in the markets we serve. Areas of focus include site development, surveying, transportation, water resources, infrastructure & analytics, and structures. Civil Design Inc. recently celebrated its 25th year in business and has offices in St. Louis, MO, Effingham, IL and Louisville, KY.

Culture

CDI has a strong family-oriented culture with the drive to build stronger co-worker, client, and local communities. Guided by the values of continuous learning and growth, first time quality, mutual trust and respect, ownership, and responsiveness – CDI offers a spirited team atmosphere driving quality engineering and strong client relationships.

Core Competencies

In addition to the needed technical skills to perform this job successfully, an individual should also demonstrate the following competencies: Strong Communication, Collaboration, Positive Attitude, Adaptability and Analytical Thinking.

Responsibilities

- Design and plan production of roadway, highway, ADA compliant sidewalk and multi-use facilities.
- Review, and provide roadway design elements including horizontal and vertical alignments, cross sections, intersection layout, drainage design, utilities conflict and relocations, as well as other roadway design tasks.
- Project opportunities may include traffic studies, field data collection, and engineering of highways and streets.
- Work collaboratively with CDI managers, and other Project Engineers to develop effective solutions.

Required Skills

- Bachelor's Degree in Civil Engineering from an accredited four-year college or university.
- 1 to 8 years' Experience
- Strong technical skills in transportation engineering, roadway design, and drainage design
- Experienced in working with both governmental, and private clients in Missouri, Illinois, or Kentucky

Desired Skills

- Proficiency with MicroStation
- Experience with Highway/Roadway Design and Plan Production
- Experience with Power Geopak SS4
- Experience with MicroStation GeoPak Drainage or other similar software
- Experience with OpenRoads

Candidates can apply at www.civildesigninc.com-> Careers

Job Title: Experienced Structural Project Engineer

Location: Civil Design Inc. (Louisville KY, Effingham IL or St. Louis, MO) Remote candidates will be considered

Civil Design Inc.: A certified Woman Business Enterprise, Civil Design, Inc. is a civil engineering firm of 70+ team members committed to building stronger communities in the markets we serve. Areas of focus include site development, surveying,

transportation, water resources, structures and infrastructure and analytics. Civil Design Inc. is in its 24th year of business and has offices in St. Louis, MO, Effingham, IL and Louisville, KY.

Culture: CDI has a strong family-oriented culture with the drive to build stronger co-worker, client and local communities. Guided by the values of continuous learning and growth, mutual trust and respect, ownership and responsiveness – CDI offers a spirited team atmosphere driving quality engineering and strong client relationships.

Benefits:

Competitive Benefit Package including flexible working environment, health, dental and vision Insurance, 401(k) match, PTO and extended sick bank leave.

Job Duties

- In this role, the Structural Engineer will be an integral part of our Structures/Bridge Group designing various bridge types, as well as support our transportation and site development Groups with their design needs.
- Manage structural engineering projects by creating scope and budgets, directing the design and coordinating work with other staff and design team members.
- Strong knowledge of building materials (Steel, Concrete, Masonry, Wood), construction methods, structural inspections, construction document preparation.
- Analyze and design transportation related structures including: bridges, culverts, retaining walls, and sign structure foundations.
- Be a key point of contact with clients, contractors, and local officials.
- Eagerness to work on a wide variety of project types.
- Assist in the preparation of engineering project proposals.
- Work collaboratively with the CDI Group Leader, Project Engineers and other team members to develop effective solutions.
- Ensures compliance with CDI's safety procedures.

Required Skills

- Bachelor's degree in Civil or Structural Engineering
- Illinois, Indiana, Kentucky or Missouri PE required
- Bridge design experience
- Proficiency with MicroStation
- Department of Transportation structures experience (bridges and walls) (MoDOT, IDOT or KYTC).
- Highly proficient with structural analysis and design software
- Ability to work effectively in a team environment and possess strong interpersonal and communication skills

Desired Skills:

- Master's Degree in Civil Engineering or Structural Engineering.

Please apply at CDI's career page – www.civildesigninc.com ->Contacts -> Careers

**Prairie Engineers, P.C. is seeking a
Professional Water Resources 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 developed environment. We are a woman-owned firm with offices in Columbia, Champaign, Hillsboro, Springfield, and Washington, Illinois; Keokuk, Iowa; and Hazelwood, Missouri. The firm provides services to federal, state, and local governments, utilities, industries, and private businesses. Prairie Engineers is a growing company, seeking an experienced Water Resources Engineer to join their team. This position will be a full-time position with benefits and a competitive salary based on previous experience. This position is available to be filled at any of our office locations.

Essential job functions include:

- Ability to manage and perform the planning, design, and construction administration of water resources infrastructure projects for federal, state, and local government, utilities, and industrial infrastructure projects in multiple states.
- Focus on project delivery and customer service with attention to detail and deadlines.
- Manage, mentor and coordinate staff consisting of surveyors, engineers, environmental scientists, and CADD technicians.
- Ability to work both independently and as a team leader.
- Develop and maintain client relationships.
- Prepare proposals and estimates for various water resources engineering projects.
- Communicate effectively with the internal and external project team.
- Assist in the strategic management of the firm's civil engineering discipline.

Minimum Qualifications:

- A minimum of five years' relevant design experience.
- Current licensure as a Professional Engineer.
- Proficient in hydrologic and hydraulic modeling and advanced/complex hydraulic modeling
- Familiarity with current local, state and federal Design Standards and Regulations or the ability to quickly learn and adapt to varying design standards.
- Willingness to travel to meet project requirements.
- Good verbal and written communications skills.
- Ability to work collaboratively with a project team.
- Project a professional, positive attitude with a strong work ethic.

Preferred Knowledge, Skills, Abilities, and Experience:

- Past experience in 2D modeling, dam breach analysis, FEMA flood studies, sediment transport
- Working knowledge of FEMA, USACE, and state DNR design standards and compliance
- Strong familiarity with ArcGIS, Power GEOPAK, Open roads, and/or AutoDesk Civil3D
- Certified floodplain Manager

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/>

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.

For additional information regarding our company and benefits offered our employees, please visit our website at <http://www.prairieengineers.com/employ-opportunities>.

Potential candidates for this position should fill out an application at <http://www.prairieengineers.com/employ-opportunities> and contact Prairie Engineers via e-mail at jobs@prairieengineers.com.

Positions open at Gonzalez Companies

Company Overview

Gonzalez Companies, LLC is a rapidly growing, fast-paced, professional services company specializing in civil engineering, construction management, and construction inspection. Gonzalez is a certified Minority Business Enterprise focused on providing professional services for power, water, sewer, stormwater, roadway, and site development projects. Our 20 plus years in business has been guided by providing our clients with the highest level of professional services. Our 90+ team members are committed to building stronger communities in the markets that we serve. We have offices in St. Louis, MO; Belleville, IL; O'Fallon, IL; Salem, IL; Chicago, IL; and Louisville, KY. Gonzalez has a strong family-oriented culture driven by the desire to achieve strong co-worker, client, and community relationships. Motivated by the principles of continuous learning and growth, our team members have a spirit of entrepreneurship, coupled with mutual trust and respect that results in a synergetic atmosphere providing employee, client, and company success.

The Opportunity

Gonzalez Companies, LLC is currently seeking a **Project Engineer**. This individual will be based in Ottawa, IL.

POSITION RESPONSIBILITIES/DUTIES:

- Perform inspection of bridges, roadways, or public works construction crews to verify compliance with contract plans, specifications, and the client's policies/procedures.
- Inform the Construction Manager or Supervisor of any observed problems or issues.
- Connect and communicate with the Construction Management team to address any public, client, or contractor issues.
- Perform inspection of earthwork, traffic control, erosion control, utilities, concrete structures, paving, and pavement markings.
- Measure and record construction quantities for payment to contractor using appropriate forms and/or software as required by the client. Certify that accurate quantities are tracked for completed work.
- Complete and submit electronic copy of daily field reports, including pay quantities, material requirements, and contractor staffing.
- Deliver photo documentation as needed to support recorded observations.
- Assist with the preparation of pay estimates, work order changes, or claims.
- Supply a record of time, equipment, and material needed for any work orders that may result in a work order change.
- Aid field staff in developing strategic approaches and concepts.
- Assist with the observations of daily traffic control with care of the safety for all workers, co-workers and public.

POSITION REQUIREMENTS:

- Experience on IDOT and/or local municipalities site construction projects or related work experience
- Experience with field Inspections, daily diary documentation, payment documentation
- Knowledge of Microsoft Office and CADD
- Strong written and verbal communication skills
- Solid organizational skills
- Critical thinking and analysis
- Must possess a valid driver's license
- IDOT Documentation of Contract Quantities certification (preferred)
- Knowledge of MicroStation and AutoCAD (preferred)
- Professional Engineer licensed/Engineer in Training certification or the ability to obtain license (preferred)

EDUCATIONAL REQUIREMENTS:

Bachelor of Science in Civil Engineering or Construction Management or previous relevant experience (preferred)

Gonzalez Offers Competitive Benefits including:

- Competitive salary

- Major medical, dental and vision insurance
- Flexible Spending Account
- Health Savings Account
- 401K and profit-sharing
- Bonus program
- Paid holidays and generous paid time off
- Professional development
- A team of creative and talented individuals to work alongside

For all recruiting or position inquiries, please contact careers@gonzalezcos.com

The Opportunity

Gonzalez Companies, LLC is currently seeking a **Civil Design Engineer** to complete or assist in completing wastewater, storm water, transportation, and site development projects from conceptual design through final design with guidance from a Senior Project Engineer. This individual will be based in the Belleville, IL office.

Responsibilities:

- Develop design criteria in accordance with relevant authority guidelines
- Develop complete contract documents with guidance from Senior Project Engineer including but not limited to project specifications and plans

Qualifications:

- B.S. in engineering from an accredited college or university
- 1 - 2 years of experience providing engineering design for storm water, wastewater transportation, and site development engineering projects
- Excellent organizational and time management skills
- Ability to work effectively in a team environment

Preferred:

- Knowledge of Department of Natural Resources, Illinois Department of Transportation and Environmental Protection Agency design policies
- AutoCAD Civil 3D Experience
- MicroStation Experience

Gonzalez Offers Competitive Benefits including:

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The Opportunity

Gonzalez Companies, LLC is currently seeking a motivated, self-starting **Civil Design Engineer** to complete or assist in completing wastewater, storm water, drinking water, and other civil engineering facilities from conceptual design through final design with guidance from a Senior Project Engineer. This individual will be based in the Louisville, KY office.

Responsibilities:

- Develop design criteria in accordance with relevant authority guidelines
- Develop complete contract documents with guidance from Senior Project Engineer
- Construction cost estimating
- Coordinate reviews by reviewing agencies and utility companies
- Ability to work in field when required

Qualifications:

- B.S. in engineering from an ABET accredited college or university
- 2 years of experience providing engineering design for storm water, wastewater, drinking water and other civil engineering facilities desired
- Excellent communication, organizational and time management skills
- Ability to work effectively in a team environment
- Ability to obtain licensure when eligible

Preferred:

- Knowledge of Kentucky Division of Water and Environmental Protection Agency design policies and regulatory requirements
- AutoCAD Civil 3D Experience
- MicroStation Experience

Gonzalez Offers Competitive Benefits including:

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The Opportunity

Gonzalez Companies, LLC is currently seeking a **Structural Project Engineer** in the Salem, IL office.

GENERAL SUMMARY:

The Structural Project Engineer is to perform engineering tasks related to structural, transportation, and site design, from start of projects through final design with minimal guidance from Managing Partners.

PRINCIPAL DUTIES AND RESPONSIBILITIES:

- Develop project scopes and manpower estimates.
- Develop design criteria in accordance with relevant authority codes and guidelines.
- Manage assigned staff and sub-consultants in a manner to meet project budgets and schedules.
- Develop complete contract documents with minimal guidance, including, but not limited to, project plans, specifications, and construction estimates.
- Manage technical staff to ensure the project team is working in an efficient and productive manner.
- Manage construction inspectors to ensure projects are constructed in accordance with contract documents.
- Develop and nurture client rapport; ensure client expectations, in accordance with project scope, are met or exceeded.
- Communicate with clients both written and verbally.
- Develop new business relationships and actively pursue new sources of revenue for the company.

KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED:

To perform this job successfully, an individual must be able to complete areas outlined for this position in a satisfactory manner. The requirements listed below are representative of the knowledge, skills and/or abilities necessary to meet the minimum requirements of this position. Reasonable accommodations may be made to enable individuals with disabilities to perform these essential functions.

Qualifications:

- Bachelor's degree in Engineering from an ABET accredited college or university.
- Licensed Structural Engineer (Illinois).
- Licensed Professional Engineer (Illinois) preferred (in addition to SE licensure).
- 5 to 10 years of commensurate experience providing structural engineering analysis and design for bridges, culverts, and building projects.
- Knowledgeable in IDOT (Bridge and Culvert Manual), AASHTO, AISC, ACI, IBC, and ASCE 7 specifications.
- Proficient in AutoCAD Civil 3D and/or MicroStation.
- Exceptional organizational and time management skills.
- Excellent technical, written, and oral communication skills.
- Ability to develop relationships with new or prospective clients and maintain positive relationships with current or previous clients as well as other relationships to benefit the company.
- Proactive and deadline oriented with the ability to effectively multitask and prioritize.
- Ability to perform duties in an independent manner with minimal direction and supervision.

Preferred Qualifications:

- 5 to 10 years of commensurate experience in performing bridge / culvert hydraulic analysis and design.
- 5 to 10 years of commensurate experience providing civil engineering design for transportation and/or site design projects.

Gonzalez Offers Competitive Benefits including:

- Competitive salary
- Major medical, dental and vision insurance
- Flexible Spending Account
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- 401K and profit-sharing
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The Opportunity

Gonzalez Companies, LLC is currently seeking a **Water/Wastewater Project Engineer** in the O'Fallon, IL office.

GENERAL SUMMARY:

The Water/Wastewater Project Engineer is to perform engineering tasks related to water and wastewater design, from start of projects through final design with minimal guidance from a Senior Project Manager.

PRINCIPAL DUTIES AND RESPONSIBILITIES:

- Develop project scopes and manpower estimates.
- Develop design criteria in accordance with relevant authority codes and guidelines.
- Manage assigned staff and sub-consultants in a manner to meet project budgets and schedules.
- Develop complete contract documents with minimal guidance, including, but not limited to, design reports, project plans, specifications, and construction estimates.
- Manage technical staff to ensure the project team is working in an efficient and productive manner.
- Manage construction inspectors to ensure projects are constructed in accordance with contract documents.
- Develop and nurture client rapport; ensure client expectations, in accordance with project scope, are met or exceeded.
- Communicate with clients both written and verbally.
- Develop new business relationships and actively pursue new sources of revenue for the company.

KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED:

To perform this job successfully, an individual must be able to complete areas outlined for this position in a satisfactory manner. The requirements listed below are representative of the knowledge, skills and/or abilities necessary to meet the minimum requirements of this position. Reasonable accommodations may be made to enable individuals with disabilities to perform these essential functions.

Qualifications:

- Bachelor's degree in Engineering from an ABET accredited college or university.
- Licensed Professional Engineer.
- 10+ years of commensurate experience providing engineering analysis and design for potable water distribution, water storage, water treatment, wastewater collection, wastewater pumping, and wastewater treatment projects.
- Knowledgeable in IEPA design requirements.
- Proficient in AutoCAD Civil 3D.
- Exceptional organizational and time management skills.
- Excellent technical, written, and oral communication skills.
- Ability to develop relationships with new or prospective clients and maintain positive relationships with current or previous clients as well as other relationships to benefit the company.
- Proactive and deadline oriented with the ability to effectively multitask and prioritize.
- Ability to perform duties in an independent manner with minimal direction and supervision.

Gonzalez Offers Competitive Benefits including:

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Resident Engineer

Primary responsibilities include but are not limited to:

- Verify that the required material inspection and testing is performed and documented
- Responsible for maintaining/cataloging inspection records, photos and shop drawings
- Generate correspondence between the owner and the General Contractor
- Review contractor change order requests
- Monitor contractor' progress against approved construction schedule
- Review and process change orders
- Review and approve contractor pay applications
- Hold weekly construction meetings
- Prepare and distribute meeting minutes
- Ensure manuals and booklets required by contract documents are collected from the contractor
- Assist with final project close-out
- Gather documents, reports, photos, from CM field staff and prepare for official submission.
- A valid driver's license
- Experience in AutoCAD, MicroStation, Microsoft Schedule and other related Windows-based software, preferably
- Excellent time management, organizational, and oral and written communication skills
- IDOT Documentation Certification

Gonzalez Offers Competitive Benefits including:

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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 Brent Vaughn (ASCE newsletter editor) at brent.vaughn.asce@gmail.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 will probably not carry through to the final version. For multiple page announcements, please consider providing a single-page flyer, concisely worded, with links provided to ancillary pages such as registration forms or other attachments. Also, please clearly include in the email subject line a concise title for the announcement and desired month(s) of publication.

Most news items will be available on the Section's Web Page, which can be reached via the link on ASCE National Website (www.asce.org). Click on "Geographical and International Units" to link to the Section or go directly to our page at: <http://sections.asce.org/st-louis/>. The Section's Website Editor is Jeff Smith e-mail: JESmith@HNTB.com or via feedback directly from our website.

For more information and updates see our Web Page: <http://sections.asce.org/st-louis/>

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

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).



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