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Upcoming Events

April

- 8 YMG Monthly Meeting – *Engineering Mindfulness Workshop*
- 13 EWRI Monthly Webinar Speaker Series
- 22 Geo-Institute Case Histories Seminar
- 30 Region 7 Awards nominations due

May

- 13 YMG Monthly Meeting
- 15 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 April 13, 2021.

In lieu of a luncheon, ASCE will provide a continuing education webinar. 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!!!

If you registered using the link in the "save the date" email, you do not need to register again.

Investigation of Damage from Superstorm Sandy

Presenter: Joseph G. DiPompeo, PE, SECB, F.SEI, F.ASCE
President, Structural Workshop, LLC

Abstract: The presentation will cover topics included in the following list:

1. Storms in Years Prior to Sandy
2. Leadup to Sandy
3. Public Preparation Lessons Learned in Days after Sandy
4. Observations at a Damaged Shopping Center over the water in Brooklyn
5. Erosion and Effect of Dunes at Jersey Shore
6. Observations of Damage at Various Locations at the Jersey Shore
7. Wave Action, Erosion and Scour, Hydrostatic and Hydrodynamic Uplift, Lateral Pressure on Foundations Due to Water
8. Insurance-Wind vs Water Damage
9. Aftermath: Code and Design Changes, NY and NJ State Recovery Programs, Jersey Shore Today

About the Presenter: Joe received a Bachelor of Engineering degree in Civil Engineering, with a specialization in Construction Management and a Master of Engineering degree in Structural Engineering, both from Stevens Institute of Technology. Joe is a Licensed Professional Engineer in NJ, NY, CT, PA, FL, CO, MD, LA, OR, WI, AZ, IA, OK, IN, MA, VA, KY, WV, MN, DE, NE, NC, WA, ID, TX, AK, SC, and OH and is certified by the Structural Engineering Certification Board. Joe is a member of ASCE, ACI, AISC and SEI. Joe is a Fellow of the Structural Engineering Institute of the ASCE and a Fellow of the American Society of Civil Engineers and is past Chair of the SEI Business Practices Committee and SEI Business and Professional Activities Division Executive Committee, as well as a member of the SEI Board of Governors and 2021 SEI President.

Joe serves as President of Structural Workshop, LLC, which was founded in February of 2004. Structural Workshop, LLC provides a variety of engineering services, including structural analysis, inspection and design of commercial, residential, retail, industrial, foundation and earth retaining structures, forensic engineering, commercial building inspections, due diligence inspections, building consulting services, project and facilities management services. Joe has extensive experience in all aspects of engineering, analysis, inspection and design of a large variety of types of structures and materials. His interests include forensic engineering, unique solutions to unique and difficult structural problems, innovation in the business of engineering, teaching and writing and making structural engineering understandable and accessible to the general public.

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President's Message



April is upon us. Spring is in the air. And so, still, is COVID-19. ASCE officially hasn't taken a stance on this pandemic, other than recommending continued virtual meetings for ASCE-related activities until the end of June. We are now a year into this practice. I, personally, have been working from home since the last full week of March. As an extroverted engineer (my wife's brain hurts understanding this), the pandemic has greatly impacted my social nature. It's been over a year since I've done my weekly trivia league! However, this April's approach to the pandemic has way more answers and understanding than questions.

I'm trying not to make this message a political stance (which, surprisingly, has become one for a health-related crisis). So, stats! According to the CDC's COVID tracking website, there are over 30 million confirmed US cases. This has cost over 500,000 Americans their lives. To put this in perspective, we travel to the other side of our state and show the whole city limits of Kansas City to be gone. Mind blown yet?

My first week working from home I was literally in a dimly lit basement. After booting my wife out of working in our guest room, we were able to move my workstation back to a more hospitable climate. My professional life has not missed much of a step. Our St. Louis Section Board was able to start teleconferencing almost immediately. So many of our own companies already had teleconference platforms. What is so difficult with another meeting on the corporate license? In April our Section started virtual hosting, and we haven't missed a beat with our monthly lunches. A massive thanks to Tony Roth and Stephen Noeth for keeping our meetings running so smoothly.

While we continue to practice CDC and ASCE recommended guidelines during this pandemic, I can't help but feel a great sense of hope on the horizon. There are preventative steps identified to help minimize and contain spread. Social distancing has become a phrase with meaning. Masks have become very fashionable (ASCE has one on their website! It's quite chic). Multiple versions of vaccines have been discovered. Again, stats! The CDC lists over 60 million Americans have been fully vaccinated. For scale, that's twice the population of Texas! I hope over the summer our Board will finalize the framework for our return to in-person (not going to say normal) activities we so often look forward to, especially our Annual Dinner.

I will opine one thing: when it's your turn, my hope is you'll roll up your sleeve and contribute to the herd as soon as possible. I want my trivia!

- Jordan

Section Candidate Nominations

The St. Louis Section Nominating Committee has met and is pleased to recommend the following slate of candidates for the next term:

President – John Weiland, P.E.

President-Elect – Alison Graves, P.E.

Vice President – Christopher Toenjjes, P.E.

Secretary – Melantha Norton, P.E.

Treasurer – Melissa Rettig

Director of Technical Development – William Stahlman III, P.E. (continuing, term expires October 2022)

Director of Administration – Shari Cunningham, P.E. (continuing, term expires October 2023)

Director of Professional Development – Tony Roth, P.E. (term expires October 2024)

Additional nominations may be made in writing, signed by ten members, at the April luncheon. If no additional nominations are made at the April luncheon, the above nominees shall be declared elected by the President at the May meeting. Newly elected officers take office the first day of October following the Annual Meeting or as soon thereafter as may be practicable and shall hold office until their successors have been duly elected and qualified.

Jordan Pettibone, President

ASCE St. Louis Section

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/>.

10th Annual MO Legislative Drive-In for Infrastructure Development

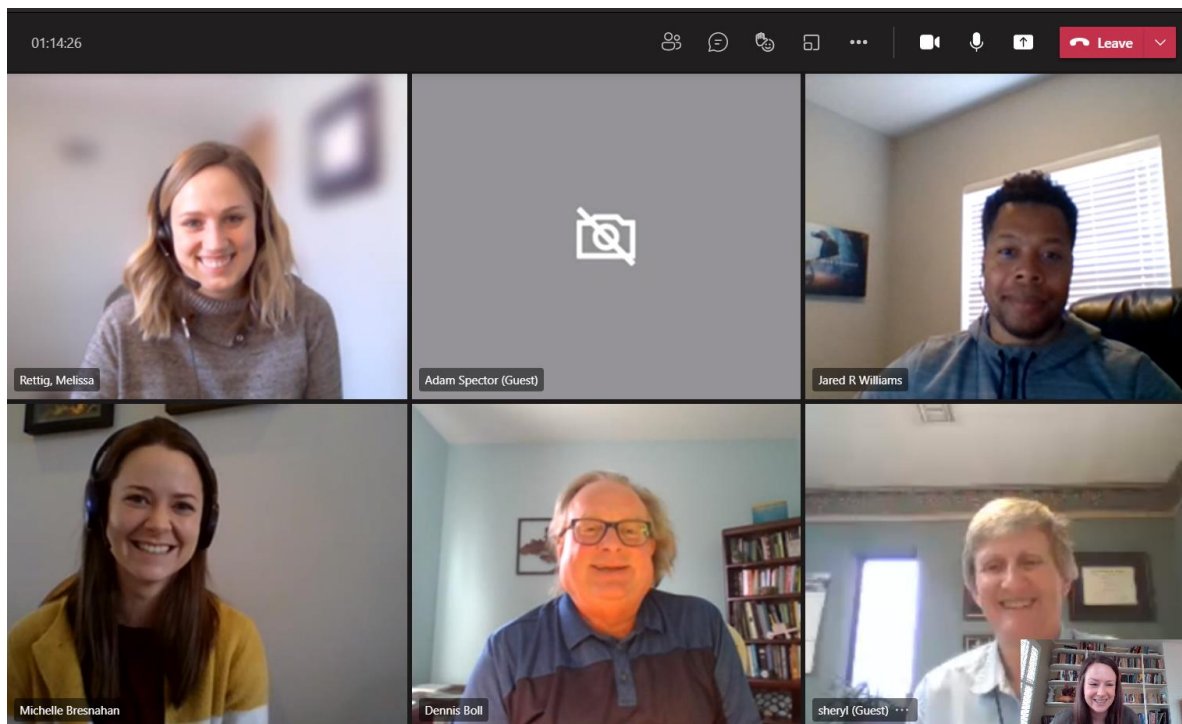


2021 Virtual Legislator Meetings – Ongoing

LEGISLATIVE UPDATE: A promising gas tax bill (SB 262) passed out of the Missouri Senate and awaits action in the House. It's critical that we reach out to our MO Representatives and urge them to support the bill and send it to the Transportation Committee for a hearing. The session ends on May 14th, so there is still time to act! The bill increases the gas tax by 2.5 cents a year for 5 years, 12.5 cents in total; includes option for 100% rebate; Increases electric vehicle decal fee. Read more here: <https://themissouritimes.com/schatzs-gas-tax-increase-passed-by-senate/>

Member meetings are ongoing – if you're interested in reaching out to your Representative or Senator during the remainder of the session, let us know – we can help! We'd be happy to brief you on the issues and provide some handouts to share ahead of your meeting. [Look up your legislators here.](#)

For more info, contact Dennis Boll at 314.568.3125 and dboll@geotechnology.com, or Alison Graves at 314.540.5925 and agraves@civildesigninc.com. We're happy to answer any questions! Thank you.



MO ASCE Members attend the 2021 MO Drive-in Training Session: Melissa Rettig, Adam Spector, Jared Williams (KC), Michelle Bresnehan, Dennis Boll, Sheryl Gallagher (KC), & Alison Graves. Not pictured: Alyssa Davis & Otto Lynch (Nixa).

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.

ASCE Region 7 Awards program

ASCE Region 7 is accepting nominations for the ASCE Region 7 Awards program. This is a great opportunity to recognize the dedicated volunteers in your sections and branches. The deadline for submittal is [April 30, 2021](#). Please consider a nominee for each category. **I also ask that you distribute this email to your Section and Branch members as well as Student Chapters and encourage nominations.**

ASCE Region 7 Awards for the following categories:

- Outstanding Younger Member
- Outstanding Faculty/Practitioner Advisor
- Lifetime Achievement

The forms are posted to the ASCE Region 7 site <http://regions.asce.org/region7/awards>

We encourage you to provide at least one nominee for each award from your Branch or Section. Multiple nominations from Sections and Branches for each award are welcomed.

We hope you all take the time to recognize those hard-working individuals within your Section and Branches who are deserving of these awards. Again, nominations are due April 30, 2021. If you have any questions or need additional information, please feel free to contact me. I look forward to hearing from you.

Jennifer Jacka-Taylor, P.E., ENV SP, M.ASCE
ASCE Region 7 Governor

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.

2021 Legislative “Virtual” Fly-In to Washington D.C.

STL Section in National Spotlight

On March 3-5, 2021, more than 250 ASCE Members, including St. Louis Section members **Alison Graves & Bill Stahlman** and Kansas City Section members Sheryl Gallagher, Madi Grooms, Jared Williams, & Otto Lynch attended the 2021 Virtual Legislative Fly-In to Washington D.C. The event kicked off with the release of **ASCE’s 2021 Report Card for America’s Infrastructure** and a virtual summit that included videos, interviews, and roundtable discussions on each category from the report card. You can rewatch all the videos from the summit [here](#), including the Grade Reveal featuring MO members Bill Stahlman at 9:28 (Inland Waterways & Ports) and Otto Lynch at 8:18 (Energy)! The Society staff in DC hosted issue briefings and tips & tricks for virtual meetings – then sent us out to the online platform to join Zoom meetings with our legislators.

We got to meet with staff from the offices of **MO Senators Roy Blunt and Josh Hawley**, and **MO Representatives Ann Wagner, Emanuel Cleaver, Sam Graves, and Billy Long**. We introduced them to the 2021 Report Card, shared our local stories, and asked for them to work on an infrastructure bill to stimulate our economy and get people to work.

We were featured in ASCE’s Civil Engineering Source: [ASCE Legislative Fly-In strikes while Report Card iron hot](#)



To get more involved with our Drive-In and Fly-In programs, contact the St. Louis Government Relations Chair **Dennis Boll** at dboll@geotechnoloby.com or State Advocacy Caption **Alison Graves** at agraves@civildesigninc.com.



Top: MO ASCE Members met with Legislative Assistants to Senators Roy Blunt & Josh Hawley: Sheryl Gallagher (KC), Alison Graves (STL), Madi Grooms (KC), Everett Litton (STL, UCA/SME Member), Jared Williams (KC), and Otto Lynch (Nixa). Bottom Left: Members meet Rep. Wagner’s Legislative Assistant. Bottom Right: Members meet Rep. Cleaver’s Legislative Assistant

Illinois Section Report Card

Every four years, the Illinois Section prepares this Report Card, providing a simple 'grade' for various categories of Illinois' infrastructure. With 2010, 2014, and 2018 in the books, we have started organizing for our 4th Report Card. We are currently organizing the team and anticipate having a kickoff meeting in the April / May timeframe, followed by preparation throughout 2021. The Report Card release is anticipated for Spring 2022.

There will be 11 subcommittee categories, including a new Stormwater subcommittee. Each of the 11 subcommittees is anticipating to have an average of 3 authors, for a total of about 33 volunteers! Below are the subcommittee categories (*more volunteers needed especially for these committees):

1. Aviation*
2. Bridges
3. Dams*
4. Drinking Water
5. Navigable Waterways*
6. Ports*
7. Rail*
8. Roads
9. Stormwater – **New This Year!**
10. Transit*
11. Wastewater*

The Illinois Section needs a large, diverse group of civil engineers to collect and organize data, to author, and to talk to the media. If you or any of your members are interested in participating in the 2022 Report Card development or would like to learn more about it, please reply to this email and/or contact Illinois Section President Brian Pawula (cc'd) at brianp@thomas-engineering.com.



EWRI ST. LOUIS MONTHLY SPEAKER SERIES EVENT

The St. Louis Section of EWRI is pleased to announce our monthly webinar on **Thursday, April 15, 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, April 12, 2021.** Please register online at the following link:

[EWRI April 2021 Speaker Series Presentation](#)

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

NAVIGABLE WATERS PROTECTION RULE (NWPR) AND CORPS JURISDICTION

Nationwide Permits (NWP) authorize certain activities under Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act of 1899. The NWPs help protect the aquatic environment and the public interest by providing incentives to reduce impacts on jurisdictional waters and wetlands while effectively authorizing activities that have no more than minimal individual and cumulative adverse environmental effects. The Corps has reissued and modified 12 NWPs and issued four new NWPs. For these 16 NWPs, the Corps is also reissuing and modifying the NWP general conditions and definitions. The Corps is not reissuing or modifying the remaining 40 existing NWPs. Those 40 remaining NWPs continue to be in effect under the January 6, 2017 final rule and the existing general conditions and definitions in the 2017 final rule continue to apply to those permits. This presentation will be an overview of the NWPR regarding Corps jurisdiction, discussion of the 16 new NWPs and the overall changes since the last renewal.

SPEAKERS

Patrick Trier

Jurisdiction Subject Matter Expert - US Army Corps of Engineers, Kansas City District

Patrick Trier has been with the Corps for 22 years and has served as the USACE Northwest Division jurisdiction subject matter expert since 2008. Most recently, Patrick has served on the USACE HQ Regulatory Team developing training materials for the roll out of the Navigable Waters Protection Rule. This new rule regarding Corps jurisdiction was published in April of 2020 and has been effective since June of 2020.

James Reenan

Regulatory Specialist - US Army Corps of Engineers, Kansas City District

James Reenan currently serves as the lead for the 2021 Nationwide Permit (NWP) renewal POC for the Kansas City District. He has been with the Corps for 15 years and has been involved in several aspects of the Regulatory program pertaining to Section 10 and Section 404 permitting throughout the State of Missouri.

In addition to the NWP renewal duties, James has assisted in the development of the Missouri Stream Mitigation Method and the Missouri Wetland Mitigation Method that have been instrumental in protecting the Nation's aquatic resources, while allowing reasonable development through fair, flexible and balanced permit decisions..

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.



**GEO-
INSTITUTE**
St. Louis Chapter



Geo-Institute St. Louis Chapter and Younger Members Group of ASCE Presents

Case Histories Seminar and Student Projects

DATE: April 22, 2021
TIME: 11:00 AM to 1:00 PM
LOCATION: Virtual Event (details to follow)

Case Histories presentations will include:

- “A Historical Perspective on Deep Foundations in the St. Louis Region”, by Lyle Simonton, Subsurface Constructors, Inc.
- “Virtual Walkthrough of the Deer Creek Tunnel” by representatives from Metropolitan St. Louis Sewer District and Shannon & Wilson

COST: Event registration is free.
Attendees will receive up to 2.0 PDH credits.

REGISTRATION: Sign up by Wednesday, April 21 by visiting [Geo-Institute Case Histories Seminar and Student Projects \(constancontact.com\)](https://constancontact.com)

Student research projects will help kick off this event!

Younger Member Group Update

Please join us for our virtual meeting!

April YMG Meeting: Engineering Mindfulness Workshop

**Thursday, April 8, 2021
12:00 - 1:00pm**

Through this Engineering Your Mind Workshop, we will explore skills you can use to manage your own stresses, the science behind mindfulness, and an overview of how mindfulness practices can strengthen soft skills necessary in technical careers for successful teamwork and leadership. The workshop will end with a 10-minute meditation.

Elyssa Dixon is a registered Professional Engineer, mindfulness and meditation coach, and founder of fleeceandforests LLC. She worked as a civil engineer in consulting for almost 8 years and realized that her passion lies in helping others succeed. Elyssa's mindfulness practice profoundly changed her life by improving her wellbeing and making her a better leader and team member. She has trained as a meditation and mindfulness teacher, understands what it means to be driven and to want to make a difference while managing interests outside of work. She has developed and presented leadership training sessions focused on personal growth and leadership skills utilizing her unique understanding of the consulting world coupled with mindfulness.

Join Zoom Meeting

<https://zoom.us/join/zoom/register/tJYpcuGtqzwrGNX5rM95gWLIDQzayWA8XVSI>

Next YMG Meeting: Virtual Wine, Cheese, and Chocolate Tasting

May 13, 2021

6:00 – 7:00 pm

Work Zone Awareness Run



ST. LOUIS
WORK ZONE AWARENESS RUN
Work Safe. Drive Safe. **Save Lives.**

2021



APRIL 26 - MAY 2
WORK ZONE AWARENESS 5K

#STLWZARUN

VIRTUAL
1 MI/5K/10K

Register to run **here.**



Registration link is

<https://runsignup.com/Race/MO/SaintLouis/WorkZoneAwarenessVirtual5K>.

University News

SIUE Civil Engineering Post-Baccalaureate Certificates

The Department of Civil Engineering offers two Post-Baccalaureate Certificates (PBCs): Water Engineering and Transportation Engineering. Each PBC is designed to provide students focused study and professional development in a specialized area of civil engineering. Each PBC requires the completion of any three courses among those listed below.

Water Engineering

Complete three from the following.

- (3) CE 581 Advanced Wastewater Treatment
- (3) CE 582 Water Quality and Treatment
- (3) CE 592 River Restoration
- (3) CE 592 Hydraulic Structure Design
- (3) CE 596 Sustainable Engineering

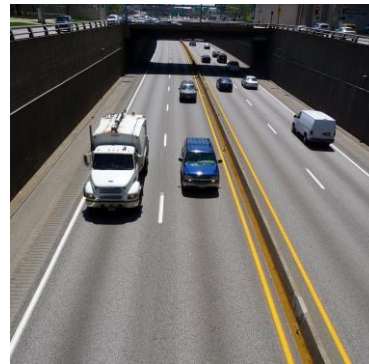


(Photo Courtesy of Metropolitan St. Louis Sewer District)

Transportation Engineering

Complete three from the following.

- (3) CE 574 Transportation Security
- (3) CE 575 Advanced Geometric Design of Highways
- (3) CE 578 Intelligent Transportation Systems
- (3) CE 579 Transportation Safety Systems
- (3) CE 596 Sustainable Engineering



(Photo Courtesy of J. Wynia)

Graduate students who are officially admitted to, and in good standing with the SIUE Graduate School may apply for enrollment in one of the PBCs. The civil engineering graduate program director will issue admission notification and approvals. Admitted students are expected to have completed all prerequisite courses or obtain instructor approval for each PBC course. A student is expected to declare one PBC at a time. For more information, please visit <https://www.siu.edu/academics/graduate/degrees-and-programs/civil-engineering/>



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 Engineer (Transportation)

5+ years experience, proficient in Microstation & AutoCAD, Northwest Arkansas

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

Complete Streets Planner

ACIP certification preferred, BS in Urban Planning, St. Louis

Sr. Level Plumbing Designer or Engineer

10+ years exp., strong ability to work in AutoCAD and Revit, St. Louis

Design Engineer (Transportation)

Full time, 2 years experience, EIT certificate Chicago/St. Louis

Project Manager (Transportation)

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

Sr. Environmental Scientist

Experience working on NEPA projects St. Louis

Engineer (Structural Bridge)

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

Project Engineer (Structural Bridge)

5+ years exp., proficient in Microstation and/or AutoCAD, Northwest Arkansas

Please visit our website at [www. https://www.hornershifrin.com/careers/](https://www.hornershifrin.com/careers/)



CIVIL DESIGN, INC.
WBE/DBE

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:

- 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

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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:

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

- 401K and profit-sharing
- Bonus program
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- Professional development
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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:

- 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

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Company Overview

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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:

- Competitive salary
- Major medical, dental and vision insurance
- Flexible Spending Account
- Health Savings Account

- 401K and profit-sharing
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County Engineer – West Central Illinois

Our client, a rural county in West Central Illinois is seeking a highly motivated, collaborative individual to fill the position of County Engineer. This six-year appointment (per Illinois compiled statutes) plans, budgets, directs, and coordinates the varied activities of the County Highway Department including all aspects of highway design, maintenance, and construction.

The County Highway Department has 7 full-time and 1-2 seasonal employees. The annual operating budget of the department is 1.2 million. The County Highway Department actively constructs nearly all federal, state and locally funded road and bridge construction projects utilizing in-house workforce.

The County Engineer is responsible for the 109 miles of county roads and 120 county, township, and municipal bridges. This position is responsible for the development of multi-year capital and funding plans; the implementation of innovative methods of highway construction, operations, and maintenance; and active participation in a wide variety of organizations, agencies, and governmental entities.

This position is appointed by and reports to the County Board. Our client requires the following skills and/or experience:

- Bachelor's Degree in Civil Engineering.
- Professional Engineer license in the State of Illinois disciplined in highway and bridge design and construction.
- Be able to obtain State certification as a NBIS Program Manager and inspector for bridge inspection.
- Must receive a satisfactory grade on the examination for the position of County Engineer as administered by the Illinois Department of Transportation.
- Have significant practical, progressively responsible experience in civil and highway engineering including highway and bridge design, construction, and maintenance.
- Familiarity with IDOT and FHWA policies and procedures.
- Be familiar with fund accounting and budgeting.

If interested, please respond with a resume to:

Christina Ruiz de Molina
Executive Search Consultant
christina@rdmengineering.net
Phone: 205-427-7849
Email: christina.ruizdemolina@gmail.com

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).



**ASCE – St. Louis Section
c/o The Engineering Center
4359 Lindell Blvd. St. Louis, MO 63108**