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**Upcoming Events**

September

- 15 YMG Summer BBQ
- 16 EWRI Speaker Series Webinar
- 21 EWRI Annual Meeting

October

- 15 2021 Annual Awards Dinner
- 16 YEC/ASCE Kickball Tournament

November

- 4 Structural and Geo-Confluence
- 17 YMG Mtg Happy Hour Francis Park

December

- 15 YMG Winter Social

Follow the Section and share with your network.



Update your bookmarks with our new Section website

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



You are cordially invited to

# ASCE ST. LOUIS SECTION 2021 ANNUAL AWARDS DINNER

Program to include:

**Presentation of St. Louis Section Awards  
Introduction of New Officers**

The evening of Friday,  
**OCTOBER 15, 2021**

at

**The Engineering Center  
4359 Lindell Blvd, St. Louis, MO 63108**

**Dinner included  
\$40 per person**



**Register here:**

<https://events.r20.constantcontact.com/register/eventReg?oeidk=a07eihua4j0015d7e96&oseq=&c=&ch=>

*Please be aware of current CDC and St. Louis City COVID-19 guidelines for congregating in public spaces. We encourage proper applicable social distancing protocols during our event.*

**We hope to see you there!**

Brandi Jones, Annual Dinner Chair  
[bnjones.asce@gmail.com](mailto:bnjones.asce@gmail.com)

## Officers & Directors 2020 - 2021

### President

Jordan Pettibone  
Horner & Shifrin, Inc.  
[jepettibone.asce@gmail.com](mailto:jepettibone.asce@gmail.com)

### President-Elect

John Weiland  
Wade Trim  
[jweiland@wadetrim.com](mailto:jweiland@wadetrim.com)

### Vice President

Alison Graves  
Civil Design Inc  
[agraves@civildesigninc.com](mailto:agraves@civildesigninc.com)

### Secretary

Chris Toenjes  
Roeslein & Associates, Inc.  
[chr istoenjes@gmail.com](mailto:chr istoenjes@gmail.com)

### Treasurer

Melantha Norton  
Nestle Purina PetCare Co.  
[diodonna@hotmail.com](mailto:diodonna@hotmail.com)

### Director of Administration

Shari Cunningham  
THD Design Group, Inc.  
[shari@thddesigngroup.com](mailto:shari@thddesigngroup.com)

### Director of Professional Development

Melissa Rettig  
Jacobs  
[Melissa.Rettig@jacobs.com](mailto:Melissa.Rettig@jacobs.com)

### Director of Technical Development

William S. Stahlman III  
America's Central Port  
[bstahlman@americascentralport.com](mailto:bstahlman@americascentralport.com)

### Past President

Brent Vaughn  
Department of Civil Engineering  
Southern Illinois University Edwardsville  
[brent.vaughn.asce@gmail.com](mailto:brent.vaughn.asce@gmail.com)

## President's Message



I hope you all had a wonderful summer break. The St. Louis Section Board has been taking this time to do some housecleaning of items from this fiscal year while looking for addressing “normalcy” (whenever it may come) for the upcoming fiscal year and beyond. (See below for proposed Constitution & Bylaw changes)

One regularly scheduled activity we are doing in-person is our Annual Dinner. We **will** have an in-person ceremony, during the *next* fiscal year, on October 15 at 6pm at the Engineering Center. Even though the COVID-19 pandemic made behind the scenes engineering more – interesting – it didn't stop

infrastructure projects from continuing. This is a great opportunity to celebrate the work our members did, and the students who have shown fantastic resilience during an entire shift in the normal college experience. We will implement St. Louis City's mask/social distance requirements while we gather.

*I will also fill this space with another plea/advertisement to do your part to flatten the curve by getting vaccinated. We are students of science. These vaccines are the epitome of scientific research responding to this pandemic. Be a champion of science. Roll up your sleeve.*

I want to thank the Board for their work with me this year. It has been a different experience at the reigns with so many virtual meetings. When you take over the Section as President, you've already put in over 5 years “grooming” for the role. Our board of Directors is assembled closely in the same vein as Society, with a President-Elect, President, and Past-President closely working together. John Weiland will be stepping into the role of President, while Brent Vaughn leaves the Board. I have appreciated John's calm demeanor and great insight during my time on the Board. Thank you, Brent, for your time on the Board. You have filled many roles in a fill-in basis on committees and offered so many ideas during our meetings. You both have been great sounding boards while discussing direction and decisions to point our Section. And I look forward to working with John, and with Alison Graves as she ascends to President-Elect next month.

I have made great contacts within our Section and within Society to continue with one view/message/project for myself: Outreach. Future engineers will elevate our Section and our profession. But, first, we need them to want to pursue Civil Engineering. Fostering the creativity and problem-solving skills while students in elementary/middle/high school is critical. Continuing with support and encouragement of Civil Engineering as a major in college will make their transfer into the professional world that much easier. I will be moving to Past-President next month and will continue to work as a liaison with the universities to identify next year's scholarship winners.

Oh yeah, about that student involvement thing. We have 5 affiliated universities with Civil Engineering programs in our Section. After a 3-year absence, an agreement was reached with AISC to bring the Steel Bridge Competition back under ASCE affiliation! ([Article: ASCE Steel Bridge Press Release](#)) I was on 2 steel bridge

teams as a student. It was such a great time. Lots of late nights practicing our assembling. The trips to the conference (Oh yeah – that’s in person this year, too! Iowa – We’re coming for you!). So many great memories. I’m glad future structural engineers (& nonstructural Lego fans) get an opportunity to compete again under the ASCE banner. Chapters, make sure to contact the Board for your allotment! \$500 can really help those steel bridge and concrete canoe budgets.

The direction of our Section is in great hands for our time ahead. Thank you for the opportunity and your faith in me this past year. I’ll see you around.

- Jordan

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## Welcome New Members

The following is a list of all new members (professional and students) so far in 2021. Welcome to all of our new members.

Please feel free to contact our Membership Champion Lyle Simonton ([lsimonton@subsurfaceconstructors.com](mailto:lsimonton@subsurfaceconstructors.com)) for any specific information about our chapter. We also hope to see all of our new members at our next luncheon.

Ben Jennings	Bushra Elsnousi	Bernadette Ayres	Saroj Dhakal
Roshan Pokhrel	Shanna Yun	Yi Zhao	Albira Acharya
Dana Alwindawy	Justin Hackmann	Zachery Burks	K M Alim Al Razi
Abigail Grunenwald	Lilli Thalmann	Samantha Burns	Elieh Mohtashami
Jessica Cannon	Stephen Cousino	Barry Dorsey	Taylor Vollmer
Dylan Smith	Biraj Budhathoki	Maria Alvarado	Sulli Wallisch
Casey Miller	Natalie McManus	Grace Lemons	Erich Turk
Mostafa Ebrahimi	Ryan Adams	Sudip Baral	Brody Gormley
Alayna Nordstrom	Mohammed Al-Rawi	Alfred Addai-Nimoh	Pramila Shrestha
Michael Hein	Jada Branigan	Steve Randall	Lucy Marton
Pooyan Nikeghbali	Kateri Heithaus	Moses Tenga Nabil	Christian Layman
Naomi Fernandes	Emma Schott	Austin Heckman	Nik Hankins
Leland Maize	Evan Driscoll	Md Fahim Hasan	Luan Barbosa
Matt Wentzel	Divyesh Shelar	Lance Niemerg	Joe Novak
Cleophas Miller	Destini James-Bryant	Qingqing Fu	Zavi Constant
Tareq Hmidan	Olivia Byers	Nation Adhikari	
Henry Tellini	Melissa Rekasius	Deidra Rodgers	
Abigail Seibman	Mohamad Abdul Nabi	Amrit Bhusal	

## Keep Your Membership Current

Are you up to date on your membership dues? 2020 and 2021 were certainly not normal years, 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](http://asce.org) or contact the St. Louis Section Membership Chairperson, Lyle Simonton at [lsimonton@subsurfaceconstructors.com](mailto:lsimonton@subsurfaceconstructors.com).

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## 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.

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## Impact of Coronavirus on Scheduled ASCE Programs- Updated August 2021

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

“Again, recognizing our professional and ethical responsibility to protect the health and safety of our members and the public at large, ASCE does not believe the current circumstances allow for a relaxation of our existing guidance. Accordingly, all ASCE entities are encouraged to pursue alternate options, such as the use of virtual platforms, for all meetings and events for the remainder of the calendar year (until Monday, January 3, 2022).”

More general information and details for events can be found at <https://www.asce.org/covid-19/>.

## Notice of Amendments to St. Louis Section Constitution and Bylaws

Hello to our Section membership! The St. Louis Section Board of Directors is proposing several revisions to the St. Louis Section Constitution and Bylaws. In addition to providing notice, we want to explain some of the background on the proposed changes.

**Why, you ask?** ASCE Society recently overhauled their Constitution and Bylaws, and they are requesting Sections throughout the nation align with their model documents.

**Ok, so what did we do?** Initially, we asked for an amendment to clarify the process for removing a Board member since we did not have one. It was sent to ASCE for approval, and they responded with a completely marked up document with requested changes from both General Counsel and Managing Director of Executive and Board Operations. We formed an ad hoc committee of 6 Board members to comb through the markups one by one and respond to Society. After some back and forth, our committee and Society has agreed on a final document.

**What are the changes?** Most of the changes entail moving sections from the Constitution to the Bylaws or simply revising the wording, but it doesn't change the intent of the original documents. There are some material changes, including (but not limited to) clarifying our election procedures and changing the requirements for proposing amendments. In accordance with our current/proposed Constitution and Bylaws, we are providing **written notice** of the proposed changes to you, our membership. Due to the extensive nature of the revisions, we are providing a summary of changes, in addition to .pdf's of the tracked changes. We want to be as transparent as possible. So, please take some time to review the proposed amendments.

See *Summary of Proposed Constitution & Bylaws Revisions* below.

[Constitution Markup](#)   [Bylaws Markup](#)

**What are the next steps?** Thirty days after providing this written notice to our membership, the Board of Directors will vote on the proposed amendments. If they pass the Board with a 2/3 majority, the Constitution amendments will be sent out to be voted on by the membership, where they must receive a yes vote of at least a 2/3 of the recorded votes to be adopted. The Bylaws amendments do not require a vote of the membership and can be adopted by a Board vote. We will send out more information on the voting procedures next month to provide each member the opportunity to weigh in. Please know the Section Board has spent a lot of time evaluating and discussing the proposed amendments and do not take this lightly. We are complying with ASCE's request to align our Constitution and Bylaws with theirs, and the process has been long. It is our intent to maintain a robust Section for years to come, so we can continue providing benefits and opportunities to our membership long after we've completed our service on the Board.

Sincerely,

Alison Graves, PE  
St. Louis Section Vice President

## Summary of Proposed Constitution and Bylaws Revisions

### *Proposed Constitution Revisions*

The Board is proposing several revisions to the St. Louis Section Constitution. The revisions were requested by ASCE Society with the intent to align our documents with the Society's model Constitution and Bylaws.

Sections moved to the Bylaws include:

- 2.1 Grades of Membership
- 4.0 Annual Dues – process for establishing annual dues
- 4.2.1 Delinquency
- 4.1.3 Notice of Non-Payment
- 4.2 Notice of Dues Abatement
- 7.0 Election Procedures – officer terms

- 8.0.3 Meeting Notice (Membership Meetings)
- 8.1.2 Meeting Notice (Board of Directors Meetings)
- 9.0.1 Governing Documents (Subsidiary Organizations)
- 9.1 Committees

Sections with revised wording to match the model Constitution (no change to the intent) include:

- 2.1 Assigned Members - ADDED
- 2.2.1 Rights of Subscribing Members - REVISED
- 4.0 Annual Dues – REVISED
- 11.0.2 Society Approval (Amendment) – REVISED

Sections with material changes, where intent is changed:

- NEW - 4.1 Exemption from Dues. Membership grades and classifications exempt from Society membership dues shall also be exempt from Section dues.
  - Section added by Society to match model Constitution.
- REVISED - 8.0.1 Annual Meeting. The Section shall hold at least one (1) business meeting annually, termed the Annual Meeting, on a date to be set by the Board.
  - PREVIOUS – 8.0.1 Annual Meeting. The Annual Meeting of the Section shall be held in September of each year.
  - Proposing removing the specific date of the Annual Meeting (aka Annual Dinner) to allow flexibility.
- REVISED – Article 11. Amendments, 11.0.1.2 Written Petition. A Written Petition submitted to the Secretary containing the text of the amendment, signed by not less than ten (10) percent of the Subscribing Members of the Section.
  - PREVIOUS - ...”signed by not less than ten (10) Subscribing Members of the Section.” ○ ASCE recommended this change for a large section like ours.

### *Proposed Bylaws Revisions*

The Board is proposing several revisions to the St. Louis Section Bylaws. The revisions were requested by ASCE Society with the intent to align our documents with the Society’s model Constitution and Bylaws.

Sections with revised wording to match the model Constitution (no change to the intent) include:

- 2.0 Grades of Membership
- 6.1 Officers – officers section reorganized
- 6.1.1 President □ 6.1.2 President Elect.
- 6.1.3 Vice-President.
- 6.1.4 Secretary
- 6.2 Past President
- 7.0 Elections – split long paragraph into smaller clauses
- 8.0.1 Annual Membership Meeting □ 8.0.2 Frequency of Other Meetings
- 9.4 Task Committees

Sections with material changes:

- REVISED – 4.0 Annual Dues ○ Delete from Bylaws and add to St. Louis Section Handbook: “The Annual Dues for members of the Section shall not exceed thirty dollars (\$30.00) and the rate shall be fixed by a majority vote of those Officers and Directors present at the Annual Meeting. In the event no action on dues is taken at the Annual Meeting, they shall remain the same as for the preceding year. Annual dues shall be payable in U.S. currency on

October 1 of each year and shall become delinquent on December 31 of each year.” ○ Proposed text reads: “4.0 Annual Dues. The Annual Dues for members of the Section shall be established by two-thirds (2/3) vote of the Board of Directors (hereinafter “the Board”), payable in U.S. currency in advance of January 1<sup>st</sup>.

- REMOVED – 4.0.1 Notice of Dues ○ Delete Section from Bylaws and post our dues rate on Section website: “4.0.1 Notice of Dues. As soon after the Annual Meeting as is practical, the Secretary shall notify each Assigned Member, at his/her last known point of contact, of the Section dues for the ensuing year. With the approval of the Board of Directors, this responsibility may be met by such notification being made by the dues notice from headquarters of the American Society of Civil Engineers.”
- ADDED – 5.2 Fiscal Year ○ Add Section to the Bylaws: “5.2 Fiscal Year. The fiscal year of the Section shall be from October 1 to September 30.”
- REVISED – 6.1.4 Secretary ○ Remove “submit the Annual Report of the Section” from duties (as they do not actually do this) and move to the President’s responsibilities.
- ADDED – 6.4 Removal (Officers and Directors)
  - Add Section to clarify the process: “Removal. Any Board member who misses more than two (2) regular Board meetings, or who is otherwise deemed unfit or unable to fulfill the obligations of their role, may be removed by a vote of two-thirds (2/3) of all Board members, and the vacancy so created shall be filled for the unexpired term in accordance with these Bylaws.”
- REVISED – 6.6 Vacancies (Officers and Directors) ○ Remove “A vacancy in the office of President shall be filled by the President Elect. A vacancy in the office of President-Elect shall be filled by the Vice-President. Vacancies in other offices shall be filled for the unexpired term by the Board of Directors, subject to the approval of a majority of the Members of the Section present at its next regular meeting.”
  - Society recommends giving the Board discretion to pick the person to fill the vacancy in the event that the next in line is unwilling to skip their term. In the interest of filling vacancies quickly, the Society recommends giving the Board sole discretion to choose.
- REVISED – Article 7. Elections ○ Revised process to clarify dates and procedures in the event of a contested election.
  - Previous election procedures allowed Petition Nominees to be submitted after Official Nominees were announced. Revised procedures have Petition Nominees and Official Nominees submitted to the President on the same date.
- REVISED – 8.1.2 Notice of Meetings (Membership Meetings) ○ Remove Section “In the event that any meeting is cancelled, notice thereof shall be distributed to each Assigned Member at least five days prior to the scheduled date of the meeting.”
  - While it’s good practice to give advance notice of cancellation, not necessary to include in bylaws.
- REVISED – 8.1.1 Meeting Notice (Board Meetings) ○ Revise: “Notice of call for a meeting shall be sent to the members of the Board not less than 2 days in advance of the meeting date.”
  - Previous: “not less than twenty (20) days in advance of the meeting date” ○ Regular Board meetings are held on the same day each month. Special Board meetings can be called at any time in between regular meetings – 20 days is excessive.
- ADDED – 8.3 Meeting Participation by Alternative Means ○ Add Section: “Meeting Participation by Alternative Means. Any member of the Board or any Board committee may participate in a meeting of the Board or any Board committee by means of any communications system that allows all persons participation in the meeting to hear each other at the same time. Such participation shall be considered presence in person at the meeting.”
  - The board was already doing this in practice, especially due to COVID-19.
- ADDED – 8.4 Action Without a Meeting ○ Add Section: “Action Without a Meeting. Any action required or permitted to be taken by the Board or any Board committee may be taken without a meeting if all members of the Board or Board committee unanimously approve such action in writing.”

- The board was already doing this in practice.
- REVISED – 9.3.1 Nominating Committee
  - Revised number of members to three (3), from five (5)
  - Revised section to match recent Board practice: “Other members shall be recommended by the Past President and approved by the President. The terms of the nominating committee members shall end at the conclusion of the term of the President.” ○ Previous: “Other members shall be appointed by the Section President at the beginning of the Section President’s term and shall serve a one (1) year term.”
- REMOVED – 9.6 Liaison with Region 7 Board of Governors ○ Remove this section and define who the representative to Region 7 is in the St. Louis Section Handbook. “Liaison with Region 7 Board of Governors. A Past-President as identified by the Board of Directors shall represent the Section at the Annual Meeting of the Board of Governors of Region 7. In the event this Past President is unable to attend a Council meeting or is no longer eligible to serve, the President shall appoint a substitute.”
- REMOVED – 9.9 Reports to Board of Directors ○ Remove this section as it’s unnecessary to spell out in the Bylaws. “Reports to Board of Directors. The Chairperson of all committees shall meet with the President and Board of Directors at the call of the President to report on committee activities and advise on matters concerning the management of the Section.”
- REVISED – Article 11. Amendments, 11.0.1 Proposal. An amendment to these Bylaws may be proposed by any member of the Board, or by a written petition submitted to the Secretary containing the text of the amendment, signed by not less than ten (10) percent of the Subscribing Members of the Section.
  - PREVIOUS - ...”signed by not less than ten (10) Subscribing Members of the Section.” ○ ASCE recommended this change for a large section like ours



## Shamsher Prakash Geotechnical Scholarship

Longtime Civil Engineering Professor Shamsher Prakash Makes Donation to Section for Scholarship

The ASCE St. Louis Section is honored to receive a donation from Dr. Shamsher Prakash for the establishment of a scholarship that will be awarded annually to an undergraduate student interested in a career in geotechnical engineering. The application will be sent to the Civil Engineering Departments within the Section and the first award of \$1000 will be presented at the Structural and Geo-Confluence in November 2021.

Dr. Prakash is a nationally and internationally recognized geotechnical engineer with an outstanding record of teaching, research and professional service. Dr. Prakash spent much of his career as a Professor of Civil Engineering at the Missouri University of Science and Technology. He has chaired five international conferences in geotechnical earthquake engineering and soil dynamics and another six on case histories in geotechnical engineering.

Dr. Prakash has co-authored four books: "Soil Dynamics", "Machine Foundation", "Pile Foundations" and "Fundamentals of Soil Mechanics" as well as approximately 300 papers printed in various professional journals and presented at conferences. He is the President of the Shamsher Prakash Foundation which has two annual "Shamsher Prakash Awards", one for Excellence in Research and the other for Practice of Geotechnical Engineering.

The Shamsher Prakash Geotechnical Scholarship will be administered by a subcommittee from the St. Louis Section Geo-Institute Chapter and will be the third G-I Section scholarship but the first one that will be given to an undergraduate student.

See the Geolnstitute page <https://sections.asce.org/st-louis/geo-institute-chapter> for more information and application materials.

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## Younger Member Group Update

*With the year just getting started, we don't have much to report this month, but here are a few quick updates. We are so excited for a new year and ready to dig in!*

**Summer BBQ** – Join us for our annual Summer BBQ as we kick off the year! After a year over Zoom, we would love to see everyone for an outdoor socially-distant event. Attendance is free for ASCE members.

Wednesday, September 15, 2021

5:30-7:30 PM

Lafayette Park

Meet at The Park House

Food, beverages, and lawn games will be provided

RSVP here: <https://www.eventbrite.com/e/asce-ymg-summer-bbq-tickets-168127424653>

**YEC/ASCE Kickball Tournament** – The ASCE YMG is partnering with the Young Engineers' Club (YEC) for this year's Kickball Tournament to be held on October 16, 2021. We're looking for day-of volunteers to help this event go smoothly. If you're interested in volunteering, please email [ascestlymg@gmail.com](mailto:ascestlymg@gmail.com).

**Just a couple weeks until the first meeting of the fall! We'd hope to see you there!**

*See the following page to get our full list of meetings this year!*

Contact Michelle Bresnahan, YMG Chair, at [MBresnahan@lochgroup.com](mailto: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.

# YMG 2021 Calendar

Join us for a monthly happy hour! Rather than the typical bar, we'll be taking a tour around different parks this year. The exact location will be sent the month before. In the event of inclement weather, the happy hour will be canceled.

\*Subject to change throughout the year

<b>September YMG Meeting</b>	<b>October YMG Meeting</b>
Wednesday, September 15, 2021	Wednesday, October 13, 2021
Summer BBQ in Lafayette Sq	Happy Hour in Tower Grove Park
Meet at The Park House	Exact Location TBD
5:30-7:30pm	5:30-7:30pm
<a href="http://lafayettepark.org/walking-tour-park-house/">http://lafayettepark.org/walking-tour-park-house/</a>	<a href="https://www.towergrovepark.org/">https://www.towergrovepark.org/</a>
<b>November YMG Meeting</b>	<b>December YMG Meeting</b>
Wednesday, November 17, 2021	Wednesday, December 15, 2021
Happy Hour in Francis Park	Winter Social
Exact Location TBD	Location TBD
5:30-7:30pm	5:30-7:30pm
<a href="https://www.stlouis-mo.gov/government/departments/parks/parks/browse-parks/view-park.cfm?parkID=3&amp;parkName=Francis%20Park">https://www.stlouis-mo.gov/government/departments/parks/parks/browse-parks/view-park.cfm?parkID=3&amp;parkName=Francis%20Park</a>	



*Younger Member Group*  
**Summer BBQ**

**Join us for our  
annual bbq on  
September 15!**

*Lafayette Square*

(Meet at the Park House)

**5:30 to 7:30 PM**

*Food, beverages, and lawn games  
will be provided.*

**RSVP here!**



# 6TH ANNUAL KICKBALL TOURNAMENT

**ASCE**  
ST. LOUIS SECTION  
YOUNGER MEMBER  
COMMITTEE

Saturday, October 16, 2021  
Tower Grove Park



## SAVE THE DATE!

SUPPORT THE LOCAL CHAPTERS OF THE ASCE YMG AND YEC  
WHILE NETWORKING WITH OTHER LOCAL ENGINEERS

REGISTER TEAMS OF 8-10 PLAYERS

INDIVIDUAL OR GROUP REGISTRATIONS AVAILABLE SOON  
LUNCH AND BEER INCLUDED IN REGISTRATION  
SPONSORSHIP OPPORTUNITIES AVAILABLE!

FOR QUESTIONS EMAIL MICHELLE BRESNAHAN  
([MBRESNAHAN@LOCHGROUP.COM](mailto:MBRESNAHAN@LOCHGROUP.COM)) OR JORDAN ATWOOD  
([JATWOOD@CIVILDESIGNINC.COM](mailto:JATWOOD@CIVILDESIGNINC.COM))

SPONSORED BY:



## EWRI St. Louis Annual Meeting



**ENVIRONMENTAL &  
WATER RESOURCES  
INSTITUTE**  
St. Louis Chapter

### **EWRI St. Louis Chapter Annual Meeting, Virtual on September 21, 2021**

You are invited to attend our annual meeting on Sept. 21 Tuesday 11:30am-1pm, virtual on Webex. Please register by 5pm Sept. 14 Tue. at <https://forms.gle/nATNxAnXpWRwFuHu8>. Webex link will be sent to registered emails by Len Madalon from [ljm@edm-inc.com](mailto:ljm@edm-inc.com).

The meeting will provide Chapter's status report and discussions of chapter activities including financial update. Please email your proposed agenda items to Chapter chair Jim Zhou at [jzhou@siue.edu](mailto:jzhou@siue.edu) by Sept. 14.

### **Election of EWRI Chapter Officer**

Our Chapter will elect a new secretary/treasurer at the Sept. 21 meeting. For a two-year term from Oct. 1, 2021 to Sept. 30, 2023, the role and responsibilities of this position are described in our Chapter's Bylaws at <http://sections.asce.org/st-louis/node/18>. If you would like to nominate yourself or another member of our Chapter, please email to Chapter secretary Meg Zuercher at [Meg.Zuercher@jacobs.com](mailto:Meg.Zuercher@jacobs.com) by Sept. 14, 2021.

### **Getting Involved with EWRI Chapter**

You are invited to get involved with various activities of our Chapter such as helping to organize the webinar series and symposium/workshop, offering your ideas how our Chapter can better serve our members and the professional community. Please contact Chapter chair Jim Zhou at [jzhou@siue.edu](mailto:jzhou@siue.edu) for conversation.

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



### EWRI ST. LOUIS MONTHLY SPEAKER SERIES EVENT

The St. Louis Section of EWRI is pleased to announce our monthly webinar **on Thursday, September 16, 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, September 13, 2021.** Please register online at the following link:

[EWRI September 2021 Speaker Series Presentation](#)

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

#### MODELING HYDROGEOLOGIC FLUXES AND THEIR IMPACT ON NATURAL AND HUMAN SYSTEMS

Climate change, population growth and land use change are increasing the scarcity of surface water supplies and driving greater demand for groundwater resources. This trend has led to the ongoing depletion of many of the world's aquifers. While many have observed regional groundwater depletion, the processes driving this depletion, and its effect on aquifer dynamics, are poorly understood. One major barrier to improving understanding of these processes is a lack of data at appropriate resolution and scale. The booming satellite industry is providing petabytes of earth observational data that have the potential to answer many of these scale- and resolution-dependent questions, but relating these disparate datasets to hydrogeologic systems requires an improved fundamental understanding of the system properties linking aquifer processes to land surface dynamics. For example, Interferometric Synthetic Aperture Radar (InSAR) can be used to estimate earth deformation with cm- to mm-accuracy, but the mechanisms linking aquifer dynamics to ground deformation are complex, non-linear and vary with time.

Evapotranspirative flux, a major component of groundwater use, can be modeled with thermal satellite imagery, but these models alone do not adequately explain groundwater demand, indicating complex interrelationships between evapotranspiration, precipitation, groundwater use and surface water use.

In this talk, Dr. Ryan Smith will discuss several ongoing projects that seek to address these challenges, including both process-based and data-driven models that integrate in-situ data, as well as ground-based and satellite geophysics to identify key, scale-dependent drivers of groundwater flux, explore how temporally varying hydrologic parameters can alter aquifer dynamics, and link groundwater over-use to impacts on water quality and plant water stress.

#### SPEAKER

##### Ryan Smith, PhD

Dr. Ryan Smith joined Missouri University of Science and Technology in 2018 as an Assistant Professor in the Geological Engineering Program. He earned his PhD in Geophysics in 2018 at Stanford University, and his BS in Geology at Brigham Young University-Utah in 2014. Ryan is a remote sensing hydrologist. He studies groundwater resources and quality at regional and local scales by combining satellite, airborne and ground-based geophysical, and in-situ datasets, using both process-based models and machine learning techniques. Ryan's research is funded by NASA, NGA, USGS, and NSF. He was awarded the NGA New Investigator Proposal in 2020, the NSF Graduate Research Fellowship as a PhD student in 2015, and the Outstanding Thesis Award from the Geophysics Department at Stanford University in 2019. Ryan serves as an Associate Editor for Hydrogeology Journal, and as a Guest Editor for Remote Sensing in Earth Systems Sciences.

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

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

# Structural and Geo-Confluence Registration Open



**GEO-  
INSTITUTE**  
St. Louis Chapter



**STRUCTURAL  
ENGINEERING  
INSTITUTE**  
St. Louis Chapter

## Structural and Geo-Confluence

Thursday, November 4, 2021

St. Charles Convention Center — St. Charles, Missouri

Registration is open for the sixth annual Structural and Geo-Confluence, hosted by the St. Louis Chapters of SEI and GI. This one-day, in-person conference is open to all, and will be held from 8 a.m. to 5 p.m. Registration opens at 7:15 a.m., with a continental breakfast and buffet lunch provided.

### Preliminary agenda includes:

- Geo-Institute 2021 Cross-USA Lecture – Liz Smith, Terracon
- Collaborative Reporting for Safer Structures; Case Studies and Lessons Learned – Glen Bell, CROSS-US Chair
- Racine Dam; Complete Structural and Geotechnical Replacement – Bill Walton, GEI
- St. Louis Aquarium – Emily Howard, PGAV Destinations
- Deep Foundations Institute Cross USA Lecture – Tom Richards, Nicholson Construction
- Instrumented Pilot Study and Full-Scale Preloading of Soft Clay – Zachary Fallert, Lucas Carr, Juan Pestana, and Chris Livingston, Geosyntec Consultants
- Design and Construction Repairs for Failed Retaining Walls – John Puls, GSI
- Final agenda to be announced soon

Registration Class	Early Rate by Thursday, October 14	Regular Rate October 15 to October 28	Late Rate After October 28 and walk-ins
Professional, ASCE Member	\$195	\$250	\$295
Professional, non-ASCE Member	\$250	\$295	\$295
Full-time Students	\$75	\$100	\$110
Local, State, or Federal Government*	\$180*	\$200*	\$295
Exhibitor (includes 1 registration)	\$450	\$450	\$450

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

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

Please register at <https://tinyurl.com/Confluence2021register> (case sensitive)

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

**Refunds must be requested before October 28, 2021. Any refund will be subject to a 15 percent cancellation fee.**

**Registration may be transferred to another person by advanced email notice to Stephanie Spann**

**([sspann@davidmason.com](mailto:sspann@davidmason.com)).**

*COVID-19 ALERT: St. Charles Convention Center (SCCC) has taken enhanced health and safety measures to protect venue guests. However, there is an inherent risk of exposure to COVID-19 in any public place where people are present. By entering the venue, you voluntarily assume all risks related to exposure to COVID-19. ASCE and SCCC disclaim any and all liability related thereto.*

### Fall 2021 Update – Missouri S&T



As we hit the fall 2021 session at Missouri S&T this is certainly a time of change and adaptation for us all. Our student chapter certainly persevered through last year, with notable success and activities. We had over 110 students online and in-person for many of our chapter meetings. We hosted former ASCE President Kristine Swallow and many Miner Alumni, including Gregory Kuntz presenting on the St. Louis Section Project of the year “Poplar Street Bridge Widening & Rehabilitation”.

We are excited to see the collaboration of AISC and ASCE with Steel Bridge competition for the coming year. The team had maintained close coordination with the ASCE chapter and excelled in 2020-21, winning the regional competition and finishing in the top 20 in the national competition, Pictured at below. We look forward competing in person in 2021!

This year the S&T – UMR – Missouri School of Mines hits 150 years of civil engineering in Rolla MO. This legacy of setting a path to be leaders in the field and this fall we will continue that legacy. This October we will celebrate that legacy at our homecoming and with tours of the Clayco-Advanced Construction and Materials Laboratory (ACML) that was opened last year. We are also excited to host ASCE President Elect Dr. Dennis Truax to Rolla this October 20<sup>th</sup>.



While the COVID pandemic is without question impacting all we do, the entire Civil, Architectural and Environmental Engineering Department is looking to keep moving forward. We were thrilled to lead the S&T campus with 96% placement in 2020 for our graduates.

The Fall 2021 S&T Career Fair continues this trend and looks to have the largest number of companies participating and looking for new Miners to join their companies. September 27<sup>th</sup>, the night prior to the Career Fair, the CAR EE Night to Network to connect students and employers in discussions on career advancement and tips and tricks for the virtual world job hunt. For more information and registering, contact Jody Seely, [seelyj@mst.edu](mailto:seelyj@mst.edu).

We are also expanding our programs, including a new Construction Engineering Minor in 2021 and online courses to join our existing distance education degree programs. We have three new certificate programs starting in 2021, include:

- **Advanced Materials for Sustainable Infrastructure.**
- **Building Systems Engineering.**
- **Surface Water Resources.**

These offerings join our five existing certificates, and each can be used to pursue a MS degree in civil or environmental engineering, entirely online or in person. The S&T engineering online programs are ranked in the top 20 in [US News](#). Our full listing of opportunities is at: <https://distance.mst.edu/care/> or through the new Missouri Online portal for all online education opportunities: <https://online.missouri.edu/degrees-programs>. The future is still partly shrouded in questions and uncertainty, but we are resilient and fully back on campus in Rolla MO this fall, as well as projecting programs through our online programs. We are always looking to provide premier education for our beloved profession. Whatever the future holds, our students and alumni will be there to help shape the future of our profession and our world! For more information, contact us at anytime, [CAR E@mst.edu](mailto:CAR E@mst.edu).

A promotional banner for Civil Engineering Live Streaming Graduate Programs. The background is dark blue with a grid pattern. The text "CIVIL ENGINEERING" is in large white letters, and "Live Streaming Graduate Programs" is in yellow. To the right, it says "Apply Today!" in yellow. Below, there are two columns of program names: "Contemporary Structural Engineering, Geoenvironmental Engineering, Geotechnical Earthquake Engineering" and "Infrastructure Renewal, Project Engineering and Construction Management". The Missouri S&T logo is in the bottom right corner.

**CIVIL ENGINEERING**  
Live Streaming Graduate Programs

Apply Today!

MISSOURI  
S&T

Contemporary Structural Engineering  
Geoenvironmental Engineering  
Geotechnical Earthquake Engineering

Infrastructure Renewal  
Project Engineering and  
Construction Management



## Employment Opportunities

### Illinois Civil Engineering Leader

Champaign, IL; Springfield, IL; Belleville, IL

Bacon Farmer Workman (BFW) seeks an engineering leader who can oversee the civil engineering discipline for the company in the state of Illinois. This is an opportunity for an up-and-coming professional engineer with a background in large-scale commercial, municipal, or institutional land development and/or water-wastewater to position themselves as the statewide civil engineering leader for growth in a terrific, fast-growing company. The position will involve business development and strategy to position the civil engineering division of the company for continued strategic success in Illinois. The engineer will also be responsible for project management, quality control, mentoring, and high-level supervision of design and technical staff across several offices. This division of the company focuses on clients that require the highest level of professionalism and quality, and offers the opportunity for the right individual to build significant, large-scale projects that leave a standing legacy for the communities they serve. The right individual will have experience serving as a project manager for complex projects as well as some leadership or management experience and the desire to build upon strong relationships in the Illinois region.

BFW believes in empowering their employees to truly shine. The individual will be given the flexibility and autonomy to grow and thrive in this prestigious position. BFW offers a supportive, fun, and caring work environment with projects that are generally regional and don't require long-distance travel. This is a great opportunity for someone looking to be a leading local civil discipline expert and remain engaged in their family and community!

About the Company:

*Founded in 1996, Bacon Farmer Workman Engineering & Testing, Inc (BFW) is a firm of 120+ team members providing professional engineering services. The Bacon Farmer Workman & Marcum Engineering family of companies are committed to providing engineering excellence through planning, design, & construction observation phase services for Civil, Structural, Transportation, Geotechnical, Mechanical, and Electrical projects. BFW is a regional firm with staff located throughout Kentucky, Illinois, Missouri, and Tennessee. BFW's commitment to the communities and environments they work in is the hallmark of their success. How they work starts with who they are. BFW's culture is one that believes in empowering each and every team member and allows each team member to be engaged and enabled for a purpose. This allows the team to respond, participate, initiate, and analyze to provide exceptional outcomes.*

Requirements:

- BS in civil engineering or related engineering discipline
- 10+ years of experience
- Licensed Professional Engineer
- Prior experience managing civil engineering design projects. Individual can have a background/familiarity in any of the following areas: land development, site development, water resources, water/wastewater, or stormwater

To apply email [Gail@rcassoc.com](mailto:Gail@rcassoc.com)



## Lochmueller Group has great opportunities for Structural Design or Bridge Engineers to join our team!

This is an excellent opportunity to join a growing firm and immediately put your design skills to work on a variety of projects, including highways and bridges for various local public agencies and state DOT's, miscellaneous structural design elements to support other business units, and design-build pursuits.

Candidates must have a Bachelor's degree in Civil or Structural Engineering and be registered as a Professional Engineer; Structural Engineer registration is a plus. **Project Engineer candidates will also have a minimum of 5 years of experience in bridge and structural design.** The position responsibilities include:

- Develop calculations as necessary for structural engineering components on projects.
- Assist CAD technicians to develop structural plans and develop construction specifications for state and municipal transportation projects.
- Perform structural design and develop details as related to roadway bridges, various types of retaining walls, culverts, miscellaneous reinforced/prestressed concrete and structural steel design.
- Act as part of a team of professionals headed by a Project Manager. Candidates must be able to work independently or as part of a larger design team and interact well with the manager and other members on various aspects of the project.
- Prepare cost estimates, calculate quantities, and assist in writing technical engineering and design reports.
- Utilize various structural design and rating software, spreadsheets, and drawing packages (Microstation or AutoCAD) to design and analyze structural components.
- Visit job sites as needed to support projects.
- Perform other duties as assigned.

Experience with Missouri and Illinois DOT projects and/or local agency projects is preferred, as is an understanding of the policies and procedures of these agencies. Proficiency with Microsoft Office products including Excel, Word, and PowerPoint required. Previous experience utilizing seismic analysis and design is also preferred.

**Project Manager or Team Leader candidates should have a minimum of 10 years of experience including** five or more years managing project budgets and financial performance; work assignments for the team; project schedules; and client communications and management. In addition, experience with project pursuits and procurement is strongly desired, including team building; cost estimating; scope development; and proposal writing or presentation.

We also accommodate work-from-home hybrids (depending on experience and assignment specifics), though periodic engagement with various team members is required.

**Benefits:** Lochmueller Group is now an Employee-Owned Company, and we would be excited to have you to join our talented group of employee-owners! In addition to our ESOP, we provide a 401(k) plan, rich coverage for major medical insurance, basic life insurance, short-term and long-term disability insurance, generous vacation and sick leave, Student Loan Repayment benefit, and several others.

**CARDIA:** Means "from the heart" and it is what our values and culture represent here at Lochmueller Group. Creativity; Accountability; Respect; Dedication; Integrity; Achievement – that is what sets us apart from the others!

Check us out at [www.lochgroup.com](http://www.lochgroup.com) or submit your resume to: [jkelly@lochgroup.com](mailto:jkelly@lochgroup.com).

# Special Inspections and Design

## JOB OPENING

**POSITION:** Structural Engineer

### **DESCRIPTION**

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

### **QUALIFICATIONS**

Qualified candidates must have:

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

### **TO APPLY**

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

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

# CIVIL DESIGN, INC.

## WHO WE ARE

At CDI, we strive to help our clients create quality infrastructure while also contributing positively to our communities. Our culture is centered around a fundamental commitment to **Building Stronger Communities**, meaning our team of passionate individuals is dedicated to revitalizing the spaces that contribute to our daily lives. Since its founding in 1996, CDI has grown to over 80 team members with 35 engineers and six services, including **Infrastructure + Analytics, Site, Structures, Survey, Transportation, and Water Resources**.

## JOIN OUR TEAM!

### Water Resources Leader

Effingham, IL | Louisville, KY | St. Louis, MO

### Experienced Structural Engineer

St. Louis, MO | Louisville, KY

### Site Project Engineer (Mid-Level)

Louisville, KY

### Programming Engineer

St. Louis, MO

### Professional Land Surveyor

Louisville, KY

### Senior Water Resources Project Engineer

St. Louis, MO

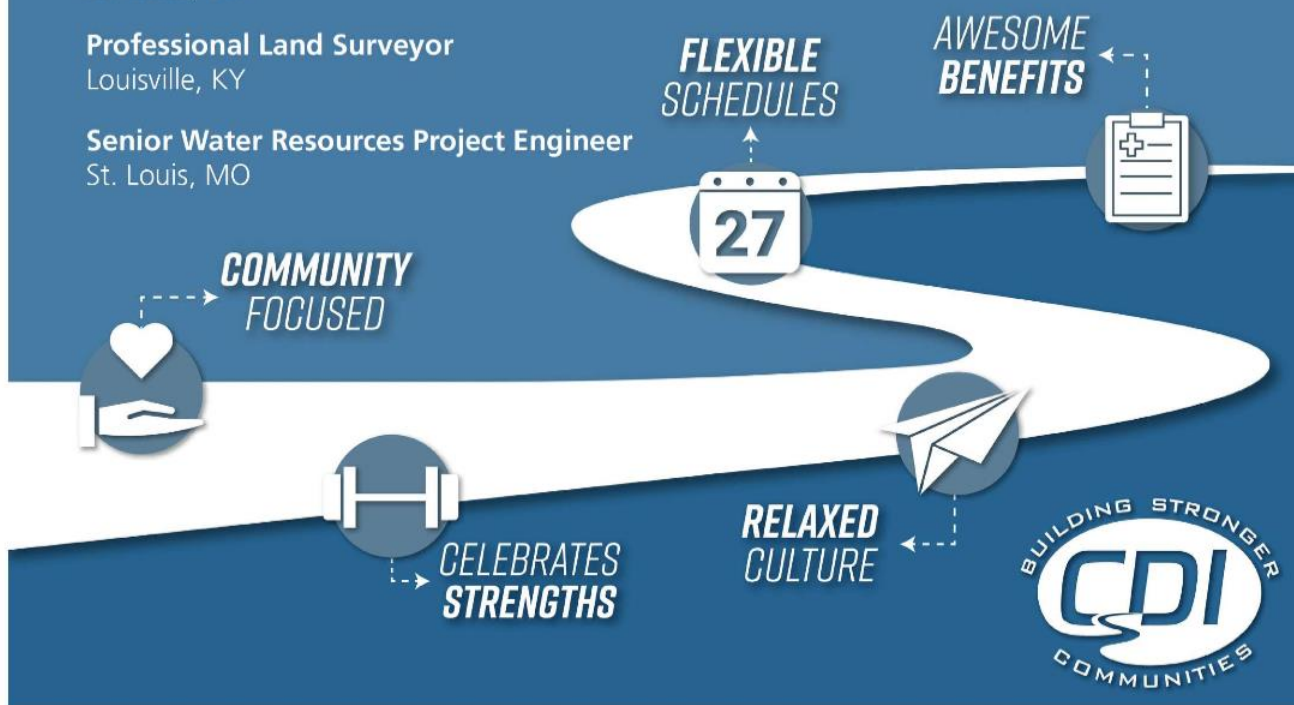
## OUR VALUES

PERSONAL OWNERSHIP

MUTUAL TRUST & RESPECT

CONTINUOUS LEARNING & GROWTH

RESPONSIVENESS



LEARN MORE OR APPLY AT [WWW.CIVILDESIGNINC.COM](http://WWW.CIVILDESIGNINC.COM)



## **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.
- Competitive 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](mailto:msample@cochraneng.com).



**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.

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**Job Title: Hydraulic/Water Resources 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 in Illinois as well is preferred.

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**Job Title: 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 both project managers and engineers with the design and layout of engineering drawings, development of engineering details, preparation of conceptual layouts for highway, roadway and street projects including drainage design, intersection layouts and utility location.

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: [Hiring@engdesignsource.com](mailto:Hiring@engdesignsource.com) <http://engdesignsource.net/>



## **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 100+ 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.

## **Opportunities:**

### **Civil Engineering**

Materials Coordinator, Downers Grove IL  
Regional Manager, Downers Grove IL  
Resident Engineer, Downers Grove IL  
Civil Design Engineer, Louisville, KY  
Water/Wastewater Project Engineer, O'Fallon, IL  
Project Engineer, Ottawa IL  
Project Engineer, Downers Grove IL  
Structural Project Engineer, Salem IL

### **Construction Management**

Documentation Engineer, Downers Grove, IL  
NACE Inspector level II, St. Louis MO

For more information and to apply for an open position above, please go to:

<https://www.gonzalezcos.com/careers>

**\*\*For all recruiting or position inquiries, please contact [careers@gonzalezcos.com](mailto:careers@gonzalezcos.com)\*\***



## **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/>



# HYDROGRAPHIC SURVEYOR/HYDROGRAPHER



**Prairie Engineers, P.C. is seeking an Experienced Hydrographic Surveyor / Hydrographer to join their team.**

Do you love spending time outdoors? Are you eager to travel and see the country? Do you want a job that keeps your body active while still challenging your mind? Prairie Engineers is a growing company, looking to add a **Hydrographic Surveyor** or **Hydrographer** to assist with the firm’s surveying projects at locations nationwide. This position includes both field and office assignments and will require extensive travel to locations throughout the U.S. with occasional international travel possible. This isn’t an easy position; we work long days in sometimes harsh conditions and remote locations. But if you are looking for a challenge, if you enjoy being a part of a capable and contributing team, and if you enjoy developing solutions to get the job done well, we may be the right fit for you! You must be able and willing to be a highly responsible, capable, and contributing member of our team, able to utilize technology and think on your feet. This position will be a full-time position with paid travel expenses and a per diem allowance for meals, generous benefits and a competitive salary based on qualifications. This position is available to be filled in our Hazelwood, Missouri or Vicksburg, Mississippi offices.

### Essential Job Functions:

- Ability to travel, often on short notice, and work safely in various locations and all types of weather conditions
- Safe operation of small motor vessels in a variety of inland lakes and river environments and occasionally in near-coastal waters
- Ability to lead and perform hydrographic surveys using HYPACK software and single-beam, multibeam, side-scan sonar, sub-bottom profiler, magnetometer, and other state-of-the-art sensors and methods along with GPS positioning, LiDAR, and various Inertial Motion Sensors.
- Perform and check office surveys including reduction of hydrographic surveys using HYPACK and other software, performing least squared and compass rule computations, and volume and area calculations

We are an equal opportunity employer that recognizes the value of diversity. All qualified individuals will receive consideration for employment without regard to race, color, religion, age, sex, national origin, disability status, genetics, protected veteran status, sexual orientation, gender identity or expression, or any other legally protected status.

### Minimum Qualifications:

- Experience:** 4+ years performing hydrographic surveys or 4 years as a surveyor with a strong desire to expand expertise as demonstrated by the willingness to take hydrographic survey coursework outside of working hours
- Travel:** Willingness to travel within the United States to meet project requirements
- Communication:** Good verbal and written skills
- Safety:** A valid driver’s license and a clean driving record
- Teamwork:** Ability to work both independently and as part of a team
- Service oriented:** Maintain focus on project delivery and client service with attention to detail and meeting deadlines
- Ideals:** Professional, positive attitude with a strong work ethic

### Preferred Qualifications:

- Education:** Bachelor’s Degree in Surveying, Civil Engineering, Hydrography, or a related science field
- Certification:** NSPS/THSOA Certification as a Hydrographer or Certified Survey Technician
- Licensure:** Professional Surveyor or Surveyor Intern
- More experience:** Field control, topographic, and boundary surveys and CADD/GIS experience

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/> Potential candidates for this position should **fill out an application** at [www.prairieengineers.com](http://www.prairieengineers.com) and contact Prairie Engineers via e-mail at [jobs@prairieengineers.com](mailto:jobs@prairieengineers.com).

## Submit items to the newsletter...

Please try to get all announcements for placement in the newsletter to the Newsletter Editor by the 20<sup>th</sup> 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](mailto: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](http://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](mailto: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**