



I-70 Rocheport Bridge Design-Build Project

Abstract:

In this presentation, you will learn about the needs and goals for the I-70 Rocheport Bridge Design-Build project. We will discuss the new bridge configuration and innovative safety and ITS enhancements along with updates of the construction and phasing of this Major River bridge. I-70 is at the heart of Missouri's freight transportation system and typifies this national and regional connector role. The new Rocheport Bridge provides access and alleviates the barrier created on I-70 by the Missouri River, allowing freight and travelers to move more efficiently and safely within and through the state.

Presenters:

Joanne Martin, PE, PTOE - Transportation Engineer, CBB
 Derek Lepper, PE - Deputy Project Director for the Rocheport Bridge Design-Build Project, MoDOT

About the Presenters:

Joanne Martin is a transportation engineer for CBB in St. Louis and has been in the industry for the past four years. She is a licensed PE in three states, Missouri, Illinois, and her home state of Mississippi. She also has her PTOE certification. Joanne graduated from Saint Louis University in 2016. She has worked on a variety of projects since joining CBB, but Design-Build projects are her favorites including I-270 North, I-70 Rocheport, and I-70 Mineola Hill Climbing Lanes.

Derek Lepper is the Deputy Project Director for the Rocheport Bridge Design-Build project. He graduated with a Bachelor's Degree in Civil Engineering from the University of Missouri - Columbia. He is licensed as a Professional Engineer in Missouri. He has been with MoDOT for 13 years and has worked in the Construction and Materials division in the Kansas City District and the Central District.

When

Tuesday, October 11, 2022 from 11:30 AM to 1:00 PM CDT
[Add to Calendar](#)

Where

Engineers' Club of St. Louis
 4359 Lindell Blvd.
 St. Louis, MO 63108
[Driving Directions](#)

Cost:

\$25 In-Person Attendance w/ Box Lunch

[Please click here to sign up, due 4:00pm October 4](#)

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Upcoming Events

October	6	October YMG Meeting
	11	October Luncheon Meeting
November	2	Structural and Geo-Confluence
	8	November Luncheon Meeting
	10	November YMG Meeting
December	8	December YMG Meeting



Follow the Section and share with your network.
 Update your bookmarks with our new Section website
<http://sections.asce.org/st-louis/>

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President's Message



Hello ASCE St. Louis Section! I'm excited to start my term serving you all as President of our Section. This marks my 8th year on the Board of Directors, working alongside our dedicated Officers, Directors, Committees, and Institute Chairs.

A reminder that we are a VOLUNTEER organization! I am so thankful for these professionals who take time out of their busy careers and personal lives to give back to our civil engineering community. I want to thank John Weiland, our outgoing President, for his leadership over the past year. I've been following in John's footsteps since I joined the Board many years ago and have appreciated his continued

mentorship. Time to take a break, John! I'll really be missing Jordan Pettibone, the outgoing Past-President, at our monthly board meetings. It's strange to see someone regularly for 8+ years on the board, and then POOF – they're gone and moving on to other things. I'm so grateful that Jordan continues to volunteer with the Section and serve on committees.

My vision for this year is pretty simple: Let's keep going! We're still trying to gain momentum lost during the pandemic, and this doesn't happen spontaneously. It takes effort and work to plan the events, technical sessions, and volunteering opportunities that bring us together and make us feel like a community. I'd like to see us volunteering more with K-12 students and Student Members at the five Universities that we support, and reengaging with our Diversity, Equity, and Inclusion initiatives.

The pandemic forced us all to re-evaluate what we wanted to prioritize moving forward in our lives. It's time for the Section to do the same. We last conducted a strategic plan several years ago, and everything is different since COVID. This year, the Section leadership will be developing a new Strategic Plan to guide us for the next 3-5 years. This will involve answering lots of questions, including: What benefits are we providing to our members? What is the purpose of our Section? What do we want to achieve? We will establish concrete objectives, create a plan to achieve them, and assign tasks to get started. To serve you effectively, we need input from our members to find out what's important to you. The first step of our strategic planning is developing a questionnaire and polling the membership. Keep an eye out for that and help us help you! This feedback will be thoughtfully incorporated into the Strategic Plan.

To follow up on summer business, the Section has officially adopted the changes to our Constitution and Bylaws to streamline our Board. To summarize, we eliminated the VP Position and shifted responsibilities to the President-Elect; and we eliminated the Director of Technical Development and redistributed the Committees and Institutes among the remaining two Directors.

I'm excited to have this opportunity to serve the membership and keep our Section moving forward! Please reach out to me if you want to get more involved.

-Alison

Section Constitution and Bylaws Revisions - Passed

The Board of Directors created a task committee to streamline the number of Board positions within the St. Louis Section. The revisions were published for the membership to view for 30 days, the Board voted to recommend these changes placed on the ballot for subscribing members to vote on. The ballot was distributed to membership via email on August 9, 2022 for the members to cast their vote by September 10, 2022. The proposed revisions were approved by the members.

ASCE Construction Institute Summit

ASCE's Construction Institute (CI) Summit is coming to St. Louis, March 2-4, 2023!

Mark your calendars and plan to attend this summit at the Hyatt Regency St. Louis at the Arch in March 2023. Join contractors, owners, designers, and other construction industry stakeholders from all over the country to meet and share new developments and innovative practices in the construction industry. Network with peers, earn PDHs, and expand your knowledge base to enhance the success of your projects. This event will include featured speakers on interesting topics, as well as a conference tour of the I-270 North Design-Build Project.

There are still opportunities to submit Session proposals. Please do so via the following link:

<https://www.cisummit.org/program/call-sessions> .

ASCE COVID-19 Policy - Updated August 2022

ASCE's Board of Direction has updated its Covid policy regarding Society-level events. Please see the complete memo at <https://sections.asce.org/st-louis/sites/sections.asce.org.st-louis/files/COVID%20Policy%20Update%20Letter.pdf>.

Younger Member Group Update

YEC/ASCE Kickball Tournament – The annual kickball tournament is back! YEC and ASCE YMG are partnering for this year's kickball tournament.



The flyer features a blue vertical bar on the left side. At the top left is a logo with 'Y' and 'E' separated by a diagonal line. To the right of this is the text '7th ANNUAL KICKBALL TOURNAMENT' in large, bold, black letters. Further right is the ASCE logo with 'ST. LOUIS SECTION' and 'YOUNGER MEMBER COMMITTEE' below it. Below the title is a photograph of a red kickball on a grassy field. Text on the flyer includes the date and location: 'Saturday, November 5, 2022 Tower Grove Park'. Below the photo, it says 'SUPPORT THE LOCAL CHAPTERS OF THE ASCE YMG AND YEC WHILE NETWORKING WITH OTHER LOCAL ENGINEERS'. Registration details are listed: 'REGISTRATION OPEN FOR TEAMS AND INDIVIDUALS \$30 PER PERSON SNACKS AND BEER INCLUDED IN REGISTRATION'. A bold 'REGISTER HERE' is followed by 'REGISTRATION CLOSES 10/28/2022'. At the bottom, contact information is provided: 'FOR QUESTIONS EMAIL AMANDA FISHER OR MAX KURINSKY *AMANDA.L.FISHER@USACE.ARMY.MIL *MAX.KURINSKY@BARTWEST.COM'.

Y **E**

**7th ANNUAL
KICKBALL
TOURNAMENT**

ASCE
ST. LOUIS SECTION
YOUNGER MEMBER
COMMITTEE

**Saturday, November 5, 2022
Tower Grove Park**

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

REGISTRATION OPEN FOR TEAMS AND INDIVIDUALS
\$30 PER PERSON
SNACKS AND BEER INCLUDED IN REGISTRATION

REGISTER HERE
REGISTRATION CLOSES 10/28/2022

FOR QUESTIONS EMAIL AMANDA FISHER OR MAX KURINSKY
*AMANDA.L.FISHER@USACE.ARMY.MIL *MAX.KURINSKY@BARTWEST.COM

The tournament will be held at Tower Grove Park on November 5, 2022. Your registration will include snacks, drinks (beer and soda), and the opportunity to support some great causes. Register teams of 8-10 players Cost: \$30 per person

Register as a team or individual here:

<https://events.r20.constantcontact.com/register/eventReg?oeidk=a07eiipvwu200a45409&oseq=&c=&ch=>

Mizzou Tailgate with Kansas City Section – The ASCE YMG St. Louis section is partnering with the Kansas City section to tailgate a Mizzou football game on November 19, 2022. Plan on a full day of fun and connecting with other younger members! If you're interested in attending, please email ascestlymg@gmail.com. More details to follow.

Volunteer Opportunity – Looking for a volunteer opportunity? ASCE YMG is partnering with SLU and iSCORE to actively engage students who are typically underrepresented in the STEM field. Starting October 8, 2022, Saturday STEM Camp will kick off and is open to students grades 1-8. ASCE YMG is looking for volunteers to do an activity with students in either elementary or middle school to teach them about Civil Engineering (and how much fun it can be!). Open dates and time slots are below:

October 8, 2022: 9:30-12 or 1-3:30

October 22, 2022: 9:30-12 or 1-3:30

November 5, 2022: 9:30-12 or 1-3:30

November 19, 2022: 9:30-12 or 1-3:30

December 3, 2022: 9:30-12 or 1-3:30

If interested in volunteering please email ascestlymg@gmail.com .

Contact Alicia Padilla, YMG Chair, at alicia.m.padilla4@gmail.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 2022 Calendar

Join us for a monthly happy hour! This is a great way to meet other local engineers and catch up on our upcoming events and volunteer opportunities.

*Subject to change throughout the year

October YMG Meeting	November YMG Meeting
Thursday, October 6, 2022	Thursday, November 10, 2022
John D. McGurk's Irish Pub 1200 Russell Blvd, St. Louis, MO 63104	Location TBD
5:30-6:30pm	5:30-7:30pm
December YMG Meeting	
Thursday, December 8, 2022	
Winter Social	
Location TBD	
5:30-7:30pm	



ENVIRONMENTAL &
WATER RESOURCES
INSTITUTE
St. Louis Chapter



EWRI ST. LOUIS MONTHLY SPEAKER SERIES EVENT

The St. Louis Section of EWRI is pleased to announce our monthly webinar **on Thursday, October 20, 2022 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, October 17, 2022.** Please register online at the following link:

[EWRI October 2022 Speaker Series Presentation](#)

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

Understanding Active and Passive Floodproofing Options for Non-Residential Buildings in a Special Flood Hazard Area

Floodproofing measures are required for all buildings located in a FEMA floodplain. This course identifies the effects of hydrostatic pressure on building sustainability and explains dry and wet floodproofing techniques utilized to mitigate against flood damage. A review of the liability associated with each floodproofing option is provided. Relevant FEMA regulations including the 2021 revised Technical Bulletin 3, ICC building codes, and ASCE 24 are reviewed. The course provides an in depth analysis of active and passive floodproofing options and the effect each of these options have on a design. Case studies will demonstrate how to effectively incorporate floodproofing techniques in projects.

SPEAKER

Bryan Christopherson, CFM

Bryan Christopherson, CFM, LIA is the Midwest Regional Manager for Floodproofing.com. As the Midwest Regional Manager, Bryan works with Code Officials, Floodplain Administrators, Architects & Engineers to ensure the Project meets and / or exceeds flood code regulations and standards specific to building and residential codes. He also educates architects, surveyors, engineers, insurance agents, realtors, builders, and homeowners on floodplain design, construction & impacts on flood insurance. Bryan has also been involved in the construction industry and in Public Service for about 12 years. He was an EMT, both paid and Volunteer.

Thank you to our joint seminar sponsor, **EDM Incorporated and Southern Illinois University Edwardsville (SIUE)!**

Please contact **Rohan Benjankar, PhD** (rbenjan@siue.edu) with any questions, if you are interested in presenting, or have an idea for a topic.



GEO-INSTITUTE
St. Louis Chapter



STRUCTURAL ENGINEERING INSTITUTE
St. Louis Chapter

Structural and Geo-Confluence

NEW LOCATION

Wednesday, November 2, 2022
River City Casino, St. Louis, Missouri

Registration is open for the seventh 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 lunch provided.

Agenda includes:

- Engineering Challenges for the Future of Transportation – Silas Nichols, FHWA, Geo-Institute Cross-USA Lecture
- Ethical Lessons from the Bridge Collapse at Florida International University – Aaron Mann, Terracon
- New Tornado Load Design Requirements in ASCE 7-22 and the 2024 IBC – Marc Levitan, NIST
- Design and Performance of Energy Foundations – Tugce Baser, University of Illinois
- Residual Load and Downdrag Impacts on Static Load Testing and Design of CFA piles – Scott Jacobs, Keller
- Installation of a cutoff wall along the Mississippi River – Matteo Bertoni, Bauer Foundations
- Design/Build Approach to Economize APG Piles for Dock Line Replacement, Hartford/Roxana IL – Morgan NeSmith, Berkel
- Geotechnical Aspects of the I-270 North Design Build Project – Adrian Keller, Terracon
- Repairs to Damaged Buildings - Code upgrades vs Pre-loss conditions – William Dery, Vertex Companies
- ICC 500 Storm Shelter Design: Code Updates and Requirements – Patrick O’Brien, Larson Engineering
- Hangar Stressing on the 6th Street Viaduct Replacements, Los Angeles – Paul Thurlow, Geo Instruments
- Visual Weld Inspection and Nondestructive Testing – Steve Fults, Special Inspections and Design

Registration Class	Early Rate by Wednesday, October 12	Regular Rate October 13 to October 27	Late Rate After October 27 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

Exhibitors opportunities are available, in addition to meal and break sponsorships. Please contact Lyle Simonton at lsimonton@subsurfaceconstructors.com or 314-421-2460 x101 to discuss these options.

Register at <https://tinyurl.com/Confluence2022register>



Vegetarian and other meal options are available. Please contact Stephanie Spann with your request. Refunds must be requested before October 27, 2022. Any refund will be subject to a 15 percent cancellation fee. Registration may be transferred to another person by advanced notice to Stephanie Spann (sspann@davidmason.com).

Earthquake Insight Field Trip

On November 4-6, 2022, another Earthquake Insight Field Trip will be held. This is an annual event since 2005 (excepting a few years off due to Covid-19). Starting near St. Louis, Mo., the route heads south through Missouri, Illinois, Tennessee, and Kentucky -- and the heart of the New Madrid seismic zone. The route -- almost 500 miles -- includes geologic evidence, historic sites related to the 1811-12 New Madrid earthquakes, and a few engineering examples related to mitigating earthquake risk in this active seismic region. No cost, only personal travel expenses. CEUs available through University of Missouri - Columbia.

For practicing geoscience and engineering professionals, risk managers, emergency management response planners, students, and other interested participants. Led by Phyllis Steckel, RG, AEG Region 7 Director. For more information and to register, please visit: sema.dps.mo.gov/earthquake_preparedness/field-trip.php

Fall 2022 FE Review Sessions

The Chi Epsilon student chapter at SIUE is again offering FE review sessions taught by SIUE faculty. The cost is FREE for SIUE Engineering Students and just \$10 per session for non-SIUE students and practicing engineers. Please see the [schedule and more information here](#).

SOUTHERN ILLINOIS UNIVERSITY
EDWARDSVILLE

Please Join Us To Celebrate

CIVIL ENGINEERING
ANNIVERSARY



50 Years of SIUE

Civil Engineering Excellence

Saturday, November 5, 2022

11:30am - 2:00pm

SIUE Morris University Center

Our anniversary celebration features:

- Student Org Demonstrations
- Alumni and Industry Networking
- Lunch and Host Bar
- Alumni "Memories Shared" Panel
- Keynote Speaker
- Optional Engineering Bldg. Tours

Tickets to attend are just:
\$35 per person
and includes a
commemorative travel mug



Please
Register Before
11/1/22

siue.edu/ce-anniversary



In honor of National ASCE Day, our keynote speaker is Marsia Geldert-Murphey, President Elect of ASCE (American Society of Civil Engineers).

Her address will focus on "Civil Engineering 50 Years in the Future" where she will spotlight ASCE's Future World Vision project.

ALL ARE WELCOME

Net Event Proceeds Support SIUE Civil Engineering Student Scholarships
For more information, contact Lisa Smith at lsmitag@siue.edu

Submit items to the newsletter...

Please send all announcements for placement in the newsletter to the Newsletter Editor by the **20th of the month prior to the month of 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, especially where there are multiple hyperlinks and the formatting and graphics are relatively simple. Floating text boxes, floating images and embedded tables frequently cause formatting problems, so please avoid those. PDFs are welcome to show the desired end result and can be more useful where the doc contains lots of graphics content and just one hyperlink, but text and image sharpness may degrade since we will likely need to insert the doc as an image. (I may be able to insert the PDF, but the formatting typically does not convert well.) I will be delighted to work with you to get the best end-product for the newsletter.

For multiple page announcements, please provide 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**