

**Brentwood's Deer Creek Flood Mitigation
wins 2025 POTY**

**Learn about the STL Great Streets Initiative at
October Luncheon**

**FOX
Wetland**

**Bi-State
Metro**

**Propose
Wetlan
Site**

ASCE
ST. LOUIS SECTION

THE ARCH

OCTOBER 2025

ASCE
ST. LOUIS SECTION



October 2025 Newsletter

The Arch Newsletter Team

Upcoming Section Events

Newsletter Editor
[Brenan Pool \(Engenuity\)](#)

Programs Chair
[Maggie Cox \(Volkert\)](#)

Section President
[Melissa Rettig \(Hg Consult\)](#)

Membership Champion
[Lyle Simonton \(Subsurface Constructors\)](#)

The Arch October 2025 cover
[Great Rivers Habitat Alliance](#)

October

01 - The Arch October 2025
07 - [Section's 111th Anniversary](#)
08 - [ASCE 2025 Convention](#)
09 - G-I Quarterly Technical Meetup
10 - National Metric Day
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15 - Mid-Month Update
15 - [Missouri Day](#)
31 - Halloween

November

01 - The Arch October 2025
05 - [Structural & GeoConfluence](#)

Connect with [#asceSTL!](#)

2025 Section Board of Directors

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From the President

Hello ASCE St. Louis Section!

I'm so excited to be starting my term serving you as President! This marks my 7th year on the Board of Directors, and even more years as a part of the Section, working alongside all of our dedicated officers, directors, committees, and

institute chapter chairs.

As many of us always say, ASCE runs on volunteers, and I want to kick things off by **thanking each and every one of you for your contributions**, big and small. Your dedication is what keeps us moving forward. Whether you've helped with a committee, a program, or an event, your commitment ensures our Section continues to thrive and to serve the civil engineering community.

I want to take a moment to also acknowledge our outgoing president, **Melantha Norton**. Thank you for your steady guidance this past year. I've been following in Melantha's footsteps for years and always appreciate her mentorship – both personally and professionally. She's helped our Section move **FORWARD** in so many ways! I also want to recognize **Chris Toenjes** as he finishes his term on the Board. Chris, your years of service have been

Director of Administration
[Stephen Noeth](#)
Civil Design, Inc.

invaluable, and it's been a joy to serve with you. We will certainly miss you on our monthly board meetings.

Past President
[Melantha Norton](#)
Nestle Purina PetCare

Speaking of great leaders, it was wonderful to host **Marsha Anderson Bomar**, our incoming ASCE Society President, on her visit to Saint Louis University recently. We had a fantastic turnout from our student chapters, and it was inspiring to hear about Marsha's personal ASCE story. Events like this truly show the strength and excitement of our future civil engineers!

I closed our annual dinner with a single word for the coming year—**ELEVATE**. I'm challenging each of you to find just one way to elevate this year. This could mean:

- **Mentoring** a younger engineer.
- **Joining** a Section-level committee.
- **Sharing** your expertise at a meeting.
- Simply **stepping outside your comfort zone** a little bit!

Every single action, no matter how small, strengthens our Section and advances our profession. Please continue to stay involved and engaged! If you're looking for a way to jump in, [please fill out our volunteer interest form](#) to see how you can get more involved.

I'm truly looking forward to working alongside you as we **ELEVATE** ourselves, our Section, and our community this year.

Melissa Rettig

2026 St. Louis Section President

[Learn about Great Streets at the October Section Luncheon](#)



East-West Gateway Council of Governments (EWG) launched the [St. Louis Great Streets Initiative](#) in early 2006 to expand the way communities think of their streets. Rather than viewing a roadway project as solely a way to move more cars and trucks faster, the goal of the St. Louis Great Streets Initiative is to trigger economic and social benefits by centering communities around interesting, lively and attractive streets that serve all modes of transportation. Since 2007, EWG has continued to provide scalable planning assistance in Missouri and Illinois across a diversity of places.

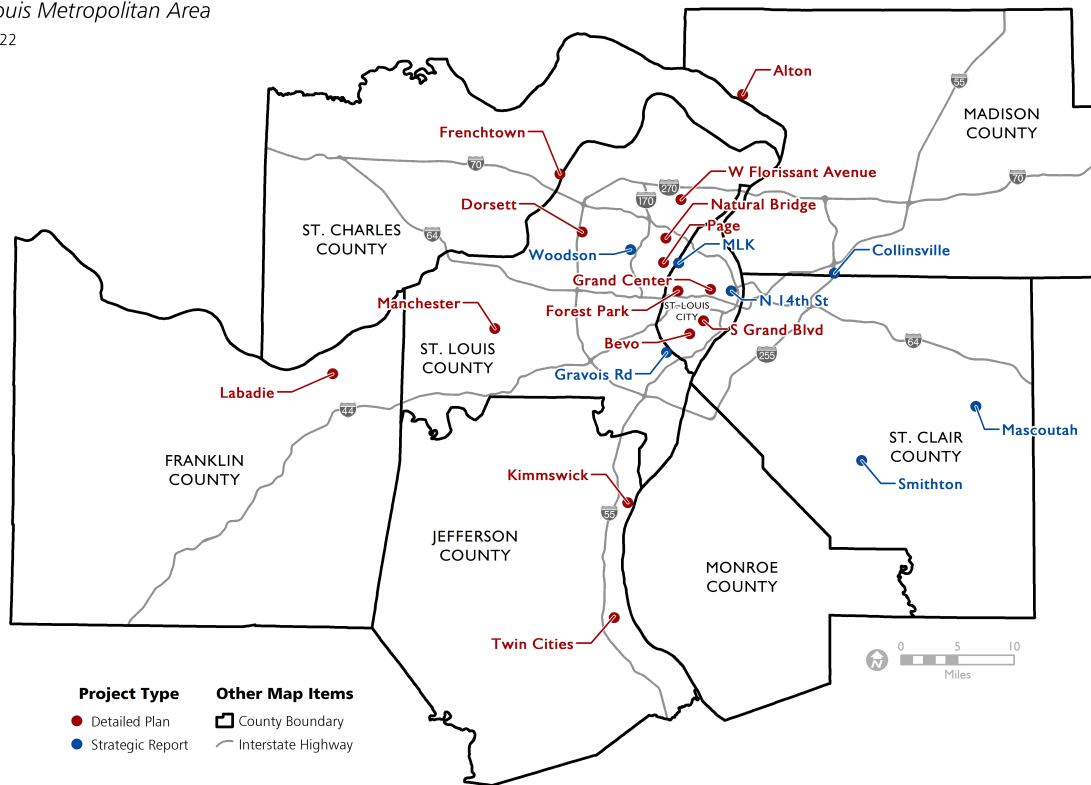
Paul Hubbman will provide an overview of the history of the Great Streets Initiative, highlighting how lessons from past projects inform the program's ongoing evolution. He will also discuss how this historical perspective is shaping preparations for two upcoming projects, as well as guiding early planning for the program's most complex undertaking yet, already selected for the next project cycle.

East-West Gateway developed the [Digital Design Guide](#). This guide includes articles and recommended resources on many different topics relating to Great Streets.

Great Streets Projects 2007-2022

St. Louis Metropolitan Area

July 2022



Source: East-West Gateway Council of Governments



Register for the event!

Register by October 7th

Maggie Cox, Programs Chair

When: Tue, October 14th @ 12:00 pm

Where: [Il Monastero Banquet Center](#), Saint Louis University

Registration at 11:30 am, lunch served at 11:45 am, and program begins at 12:00 pm. One (1) PDH is available from this program.

Special thanks to our venue hosts [SLU School of Science and Engineering](#) at Saint Louis University



Call for Section volunteers

We're on the lookout for passionate members to step into leadership roles on our committees. Volunteering means developing leadership skills, building your network, and making a real impact in our Section. Don't just be a member—be the difference! Connect with



a [Board member or Section volunteer](#) to get started

We're also specifically looking to fill the chair positions for the **Diversity & Inclusion Committee** and **Student Involvement Committee**!

- Government Advocacy
- Membership Champion
- Pre-College (K-12) Outreach
- Student Involvement Outreach
- Sustainability
- Specialty Institutes & Groups
- Annual Dinner & Awards
- Communications & Website
- Diversity & Inclusion
- Fundraising
- History & Heritage
- Life Members
- Programs
- Scholarships

[View Section Contacts & Committees](#)

2027 Kansas & Missouri Report Card Informational Session



Join us for a virtual information session on the upcoming **2027 Missouri & Kansas Infrastructure Report Cards**!

In 2018, Missouri & Kansas released their last "Infrastructure Report Cards", assigning letter grades to the quality and reliability of multiple categories of essential infrastructure. These categories include roads, bridges, drinking water,

levees, stormwater, transit, rail, aviation, ports, and energy.

As volunteers, you will select an infrastructure category to research, use public databases and funding information, and write a report on how the infrastructure has changed in your given state. ASCE members will then use these reports to compile the state's "Report Card", and present the information to the public and state legislators.

This is an awesome opportunity to learn more about Missouri's infrastructure, the infrastructure funding process, and get involved with ASCE government relations. As an added bonus, section writers are eligible for 7 PDHs from ASCE.

Interested in volunteering? [Fill out the interest form below](#), and sign up for the informational virtual luncheon on October 8th!

[Register for this event](#)

2025 Annual Awards Dinner

On September 19th, [#asceSTL](#) convened its Annual Awards Dinner at [Maggiano's Little Italy](#) to recognize scholarship recipients and to honor the professional achievements of its members. Section President **Melantha Norton** formally welcomed attendees to an evening dedicated to academic excellence and professional distinction. Ten (10) students were recognized for their accomplishments. The program also featured the presentation of various Section awards. In addition, outgoing ASCE Region 7 Governor **Shawna Erter** presided over the installation of the 2025–2026 Board of Direction. The Section extends its appreciation to outgoing leaders and congratulates incoming Section President **Melissa Rettig** who will guide the organization in the year ahead. **Congrats to all award recipients** as we're grateful to our members who continue to advance the mission of ASCE. [Future nominations may be submitted online with nominations](#) accepted annually up until June 15th.

Section Undergraduate Scholarships



Kellen Badgley, Missouri University of Science & Technology



Kelly Tuong, Saint Louis University

Not pictured: **Connor Walsh**, Southern Illinois University



Emily Jones, Southern Illinois University
Edwardsville



Mason Sledge, University of Missouri -
Columbia

Alizadeh Geotechnology Scholarships



1st Place, **Jessica Frank**,
Missouri University of
Science & Technology



2nd Place, **Nima Bamjan**,
Southern Illinois University
Edwardsville



2nd Place, **Jhalakman B C**,
Southern Illinois University
Edwardsville

GeoConfluence Research Scholarship & Shamsher Prakash Geotechnical Scholarship



Shamontee Aziz, University of Illinois
Urbana-Champaign



Aaron Perez Araya, University of Illinois
Urbana-Champaign

ASCE Region 7 Awards



Professional Progress Award, **Jordan Pettibone**, Lochmueller Group



Outstanding Younger Member, **Alicia Padilla**, Special Inspections & Design



Outstanding Student Member, **Brooke Rogers**, Southern Illinois University Edwardsville



Outstanding Student Member, **Garrett Coggin**, Missouri University of Science & Technology

Section Awards



Professional Recognition Award, **Jianpeng Zhou**, Southern Illinois University Edwardsville



Young Engineer Award, **Jacob Mette**, Lochmueller Group



Outstanding Faculty Advisor Award, **Sarah Orton**, University of Missouri - Columbia

Project of the Year Award

Civil engineering excellence within the St. Louis Section is recognized annually with the selection of the **Project of the Year Award**. The Award is given for achievement (not to an individual) so that the many individuals who have worked on the project are recognized as having contributed. Basis for the award is “an engineering project that demonstrates the greatest engineering skills and represents the greatest contribution to civil engineering progress and mankind.” This year’s Project of the Year Award goes to the **Deer Creek Flood Mitigation**. The project team is the **City of Brentwood** (owner), **Jacobs** (engineer), and **NAVIGATE Building Solutions** (contractor).



2022 Storm Events

Beginning in late July and continuing through early August of 2022, the metro area saw the wettest two-week period in St. Louis history.

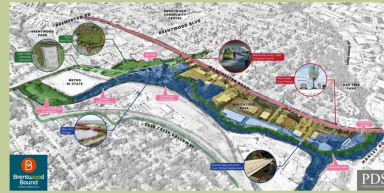
On July 26, between eight and 12 inches of rain fell within six hours. Manchester Rd. was flooded by approximately one foot of water, but the water receded quickly thanks to the partially completed Deer Creek Flood Mitigation efforts. At the time, the creek had been widened, but the detention basins had not been built.

On July 28, August 3, and August 4, the area was hit by additional heavy storms dropping 2-4 inches of rain each, setting daily records. Manchester Rd. DID NOT FLOOD IN THE PROJECT AREA DURING THESE STORMS.



BRENTWOOD
A CITY OF ST. LOUIS

Flooding History and Impact



For decades, Brentwood has suffered dangerous and damaging flooding along the Manchester Rd. corridor, especially near Deer Creek.

Between Hanley Rd. and South Brentwood Blvd., there have been 27 flood events since 1957. These floods caused significant public safety concerns and property damage, stalling redevelopment opportunities.

BRENTWOOD
A CITY OF ST. LOUIS

Installation of 2026 Board of Directors



L-R: **Anne Werner, Stephen Noeth, Nichole Witushynsky, Melissa Rettig, Melantha Norton, and Shawwna Erter** (past R7 Governor). *Not pictured: Shari Cunningham, Tony Roth*



Past President Recognition to **Melantha Norton**



Passing of the Gavel to **Melissa Rettig**

[More information on Section Awards](#)

Register now for the 2025 Structural & GeoConfluence!



**GEO-
INSTITUTE**
St. Louis Chapter



**STRUCTURAL
ENGINEERING
INSTITUTE**
St. Louis Chapter

Structural and Geo-Confluence

Wednesday, November 5, 2025

River City Casino, St. Louis, Missouri

Registration is open for the fourteenth 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. Registration and continental breakfast begin at 7:15 a.m. and the program runs from 8 a.m. to 5 p.m. Continental breakfast and lunch are provided.

Agenda includes:

- GeoInstitute Cross-USA Lecture – Richard Bathurst, GeoEngineering Centre at Queen's Royal Military College of Canada
- Beyond Automation: Strategic AI Adoption for Enhanced Geotechnical and Structural Project Delivery – Pravin Jha, DV DATUM
- Lifting and Repairing the SR-67 Bridge in Elizabethton TN after Hurricane Helene – Adam Blazejowski, Dan Brown & Associates, and Damian Williams Gamba, Michels Construction, Inc.
- Ground improvement solutions to support up to 30 feet of engineered fill – Andy Chapman, Subsurface Constructors
- LeGrange Lock, explorations and pseudo 3D model – Nancy Dendramis and Eric Carlson, Terracon
- Embodied Carbon – Olivia Paxson, KPFF
- Forensic Structural and Geotechnical Engineering – Randy Bernhart/Bernhart Forensics and Jim Pyatt/Rimkus
- Measurement While Drilling for Geotechnical Site Characterization – Tugce Baser, Saint Louis University
- Additional topics and speakers to be announced soon!

Registration Class	Early Rate by Wednesday, October 15	Regular Rate October 16 to October 29	Late Rate After October 29 and walk-ins
Professional, ASCE Member	\$225	\$275	\$325
Professional, non-ASCE Member	\$250	\$295	\$325
ASCE Life Members	\$190	\$225	\$325
Full-time Students	\$75	\$100	\$150
Local, State, or Federal Government	\$190	\$225	\$325
Exhibitor (includes 1 registration)	\$500	\$500	\$500

Register at <https://www.ascestl.org/event-details/2025-structural-and-geo-confluence>

Payment is due at the time of registration. Refunds must be requested before October 29, 2025. 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).

Register now for this #asceSTL event!

Inspiring innovative infrastructure at 2025 Convention

Join engineers in Seattle this fall for ASCE's flagship event, **ASCE 2025 Convention**. This will explore themes like sustainable infrastructure, resilience, emerging technologies, climate adaptation, and AI in civil engineering. Attendees can earn up to 15 PDHs,



participate in technical tours, hear from industry leaders, and engage in cross-disciplinary sessions.

Learn more at convention.asce.org.

September Section Luncheon



[#asceSTL](#) was excited to cohost our September Luncheon with the Engineers Club of St. Louis. We had the pleasure of hearing from various project members about the bios, solids facility upgrades at the Bissell Point and Lemay Wastewater Treatment Plants.

Thanks for joining us!

Geo-Institute (G-I) St. Louis Chapter



G-I STL Chapter wins Best Chapter

The [Geo-Institute Local Involvement Committee](#) has selected Geo-Institute St. Louis Chapter as the recipient of the **2025 Best Chapter Award**, with final approval from the G-I Board of Governors. This recognition highlights the incredible efforts of our Chapter in supporting the geotechnical engineering profession. Congratulations to our dedicated team at G-I STL Chapter who contributed to this achievement! If you, or someone you know, are interested in growing your network and developing leadership skills, we encourage

you to connect with any member of our leadership team!

Quarterly Get-Together Technical Discussion (Slope Stability - State of Practice)

Speakers: Open Discussion Lead by John Shively



Topic: Informal discussion about slope stability, things to watch out for, and common practice. Learn from some of the most experienced slope stability engineers, over a beer. Please consider joining, even if you are not a geotechnical engineer, but work with retaining walls or slope stability type projects.

Please RSVP your planned attendance, and invite other geotechnical engineers (maybe a younger engineer who is not yet involved in ASCE) who you believe might benefit from sitting in this discussion

If interested, please contact [Travis Kassebaum](#) or [Beya Kazadi](#)!

Register for the event!

When: Thu, October 9th @ 5:00 pm CT

RSVP by emailing Beya Kazadi

Where: Schlafly Bottleworks - 7260 Southwest Ave,
St. Louis, MO 63143

[Beya Kazadi](#), Secretary & Treasurer



Adopt an Engineer

Students: We are looking to engage with students who have interest in geotechnical/geological/environmental profession, or who simply would like to understand more about the profession. Connect with professionals, young and seasoned, from various sectors, in one-on-one calls to ask questions and learn more about the industry.

Professionals: Volunteer an hour of your time to meet with students and help answer questions they might have. Discuss what you do in your industry, what a typical day looks like, what courses were the most beneficial, etc. An opportunity to give back to the student organizations!

Share the QR code to those who may be interested.

Register here for this program!

Upcoming G-I Events

- Quarterly Technical Discussion
 - Thu, Oct 9th, 5-6:30pm
 - [Schlafly Bottleworks](#)
- Structural & GeoConfluence
 - Wed, Nov 5th, 8am-5pm
 - [River City Casino](#)

G-I STL Chair

Travis Kassebaum, P.E.,
M.ASCE
Terracon



2026 Multi-Region Leadership Conference - Call for Sponsors



The 2026 ASCE Multi-Region Leadership Conference (MRLC) will be hosted in Chicago by the [Illinois Section Younger Member Group](#). Visit [Leader Training Committee](#) or [Committee on Younger Members](#) websites for updates!

Consider [sponsoring the 2026 CRYMC](#)!



Disaster Resiliency & Building Codes

OCT. 8

10:30 – 11:30 a.m.

Hy Point Building
4000 Enterprise Drive, Rolla, MO 65401

Join us for a panel event focusing on disaster resiliency and building codes!

Spend the morning at the **Hy Point Building** engaging in insightful discussions and gaining practical tips on strengthening community resilience to disasters. Hear from leading experts in the field and connect with fellow attendees. The panel discussion will take place from **10:30–11:30 a.m.** and is **FREE** for all attendees.

YOUR PANELISTS • • •



DR. GRACE YAN

Ph.D. | F.ASCE | Professor

*Department of Civil, Architectural
and Environmental Engineering*

*Missouri University of Science
and Technology*

*Director of Center for Hazard
Mitigation and Community Resilience*

*Director of Wind Hazard Mitigation
(WHAM) Laboratory*



MATT BELCHER

*Principal at Verdatek Solutions
LLC Consulting*

*Principal/C.O.O. Enhanced
Building Systems LLC*

*Vice Chair International Building
Code General Committee*



MINDI ALLISON

*Outreach Director with
Safer + Simpler Missouri*

FREE for all attendees

REGISTER TODAY!

Scan the QR Code to
register or visit

<https://tinyurl.com/n2d86nck>



SPONSORSHIP LEVELS

	Tier 6 (No Cost)	Tier 5 (\$500)	Tier 4 (\$1,000)	Tier 3 (\$2,500)	Tier 2 (\$5,000)	Tier 1 (\$10,000)
YOUR BENEFITS . . .	SUPPORTER	BRONZE	SILVER	GOLD	PLATINUM	DIAMOND
Logos On Printed Materials (<i>Increasing Prominence</i>)	✓	✓	✓	✓	✓	✓
Logos On Digital Materials (<i>Increasing Prominence</i>)	✓	✓	✓	✓	✓	✓
Coalition Staff Will Come and to Speak to Your Members	✓	✓	✓	✓	✓	✓
Exclusive Lunch and Learn For Your Members (Provided by Coalition Staff)				✓	✓	✓
Legislative Updates at Coalition Meetings	✓	✓	✓	✓	✓	✓
Legislative Update at Your Meeting/Event			✓	✓	✓	✓
Distribution of Branded Materials at SSMO Events			✓	✓	✓	✓
Featured Social Media Posts (Provided by Your Company)			✓	✓	✓	✓
Listed as Presenting Sponsor at All Major Events						✓
Listed as Major Sponsor at All Major Events					✓	
Listed as Supporting Sponsor at All Major Events		✓	✓	✓		
Exclusive high touch opportunities (Subject to changes depending on event.)				✓	✓	✓
Speaking Opportunities					✓	✓
Seat on the Steering Committee					✓	✓
A Pony (<i>Just Kidding, I Saw What Happened to Pepsi</i>)						✓



ENGINEERS WITHOUT BORDERS
GATEWAY PROFESSIONAL CHAPTER

INVITES YOU TO OUR ANNUAL
TRIVIA NIGHT

OCTOBER 24, 2025 • 6:00 PM

REGISTRATION STARTS 5:00 PM



KIRKWOOD COMMUNITY CENTER
111 S GEYER RD, KIRKWOOD, MO 63122

TEST YOUR KNOWLEDGE TO SUPPORT OUR
PROJECTS AND WIN AMAZING PRIZES!



\$200 PER TABLE OF 8 (\$25/PERSON)

PLEASE RESERVE BY OCTOBER 17TH

BRING YOUR OWN FOOD & DRINK (NO GLASS PLEASE!)



SPONSORSHIP LEVELS

PLATINUM: \$1,500 (INC. TABLE)

GOLD: \$1,000

SILVER: \$500

BRONZE: \$250

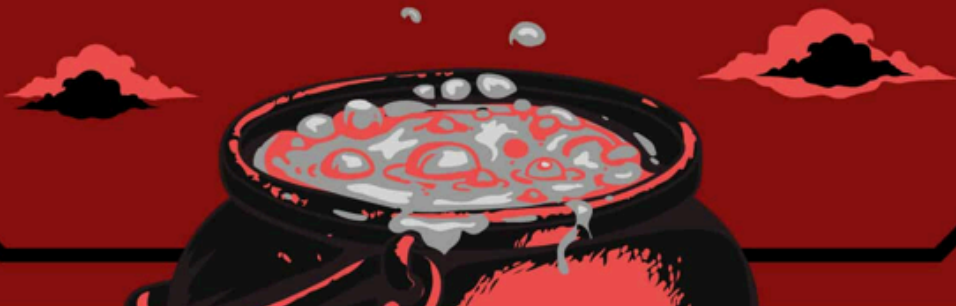


SIGNUP HERE!



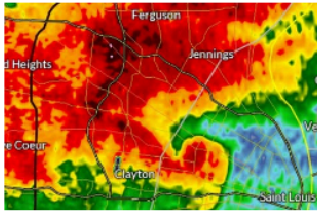
LINK: [HTTPS://SUPPORT.EWB-USA.ORG/TRIVIANIGHT2025](https://support.ewb-usa.org/trivianight2025)

FOR QUESTIONS, CONTACT ERIC WINKELMAN:
EWINKELMAN@CMTENGR.COM





ASCE St. Louis Section SAVE Coalition Members Respond to St. Louis EF-3 Tornado Largest-Ever SAVE Deployment But More Volunteers Needed



ST. LOUIS, MO – On the afternoon of May 16th, the Missouri State Emergency Management Agency's Structural Assessment and Visual Evaluation (SAVE) Coalition, an ASCE St. Louis Section sponsored group of over 1,000 volunteer architects, engineers and building officials that are trained to quickly evaluate damaged buildings after a disaster, was holding a training class near I-64 and Big Bend. Less than two miles away an EF-3 tornado was cutting a path across the north side of St. Louis, from the city limits near Forest Park northeasterly to Interstate 70.



The tornado impacted thousands of buildings, prompting the City of St. Louis to ask the SAVE Coalition for the largest deployment in the group's history. For 8 days, spread over two separate 4-day deployments, over 100 SAVE volunteers worked with City Building Division staff to perform rapid structural safety evaluations on over 6,700 buildings. SAVE placed a red (unsafe), yellow (restricted use) or green (safe) placard on the evaluated buildings. The city requested more SAVE volunteers than were able to deploy. More SAVE volunteers and support for SAVE deployments is needed.



Each deployment day started with refresher training, swearing in as deputy building officials, and geographic area assignments for the 2-person teams. Results were reported in real time using an ESRI Survey123 smart phone app. Support for SAVE from the community across the damage area was very good.



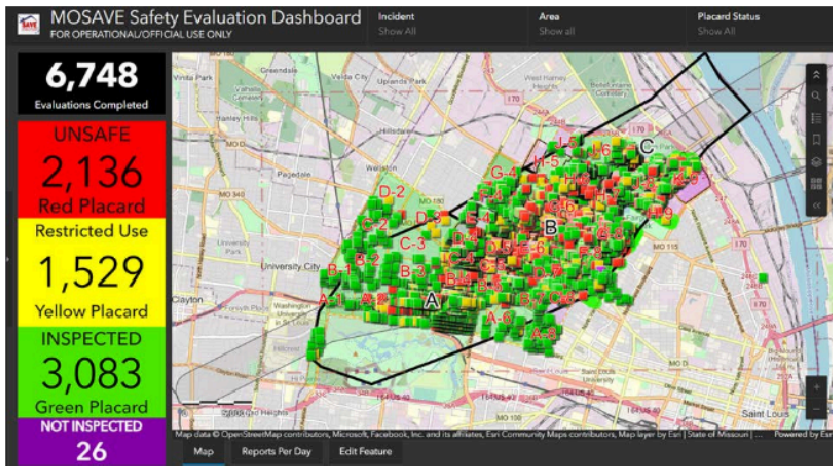
SAVE's volunteer leaders, many having participated with St. Louis Building Division staff in the 2024 National Guard exercise at Busch Stadium, planned the day's activities, monitored the results using the real-time dashboard shown below, supported the field teams, and responded to city staff questions.



SAVE needs your help - the SAVE Coalition provides a free 7 PDH class to engineers interested in joining. SAVE is especially interested in recruiting newly licensed civil, structural, and geotechnical engineers with building design and/or construction experience. SAVE is a low time commitment organization and volunteers are never under any obligation to deploy. The next SAVE training class in St. Louis will be November 7, 2025. Learn more at: [Missouri SAVE Coalition | SEMA \(mo.gov\)](https://missouri-save-coalition.org/SEMA)



By: Benjamin Ross, P.E., M. ASCE. Ross has been a member of SAVE for 29 years and serves as one of ASCE St. Louis Section's representatives on the SAVE Board of Directors. He can be reached at brross@ess-inc.com



ASCE | MEMBER ADVANTAGES

STORMWATER ENGINEERING MANAGER

City of Ladue - Ladue, MO



GEOTECHNICAL STAFF ENGINEER

SCI Engineering, Inc. - St. Charles, MO, O'Fallon, IL



MULTIPLE ADJUNCT TEACHING POSITIONS

University of Missouri–St. Louis (UMSL) - St. Louis, MO



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ASCE St. Louis Section

St. Louis, MO

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