



November 18, 2021

Items included in this ACEC Missouri Weekly Update are listed below.

- **Past / Upcoming Events** (*Highlights from ACEC/MO Fall Meeting; Save the Date for ACEC/MO's Winter Meeting & Awards Banquet on February 24-25; Registration is Open for ACEC/MO's 2022 Future Leaders Academy; Upcoming ENR Webinar; MS&T Evaluation & Repair of Concrete Buildings: The Tale of Two High-Profile Projects Program on December 2*)
- **Liaison Committee News** (*Missouri Department of Transportation Northwest & Kansas City Districts Liaison Committee*)
- **Industry News** (*ACEC Research Institute Releases Highlights of New Five-Year Industry Forecast; MoDOT Statewide 6-Month Consultant Outlook Now Out; MDNR Engineering Workshop Schedule; The Future of Project Management Delivery*)
- **Member Information & Calendar** (*QBS Nominations Wanted; 14 Projects Entered in ACEC/MO Engineering Excellence Awards Competition; Member News; Calendar of Events*)

If there is something you would like us to include in the weekly updates, or if you need anything else, please contact the ACEC/MO staff: [Morgan Mundell](#) or [Dawn Hill](#). We would love to hear from you!

PAST / UPCOMING EVENTS

Highlights from ACEC/MO Fall Meeting

We had a great turnout for ACEC/MO's Fall Meeting on November 11th-12th in Columbia. Programs included an Environmental Committee Meeting; Governmental Affairs & Transportation Committee Joint Meeting; The Future of the Engineering Pipeline Seminar; our quarterly Board of Directors / Membership Meeting; and a speaker from the Attorney General's Office on the vaccine mandate. We also held an ACEC/PAC raffle to help us reach our national PAC goal. Raffle winners included: Scott Heavin, Vicki LaRose and Tawn Nugent. Below are photo highlights from the meeting.



ACEC/MO's Environmental Committee Meeting: Members discussed a report from the MDNR Liaison Committee meeting in September; and sub-committee reports for wastewater, air pollution, drinking water, solid waste management, PSTIF/hazardous waste, national issues, etc.



ACEC/MO Joint Governmental Affairs & Transportation Committee Meeting: Members discussed legislation for 2022; Missourians for Transportation Infrastructure update; federal issues; upcoming MoDOT D/B projects; MoDOT unfunded needs and future spending strategies; etc.



Future of Engineering Pipeline Seminar Speakers (l to r): **Joel Gerard Burken**, Ph.D., P.E., AEESP, BCEE, Missouri University of Science & Technology; and **Roger Fales**, University of Missouri.



Future of Engineering Pipeline Seminar Speakers (l to r): **Praveen Edara**, P.E., University of Missouri; and **Kathleen Trauth**, P.E., University of Missouri.



ACEC/MO Networking Reception: Members got together and enjoyed drinks at an informal networking reception on Thursday evening.



ACEC/MO Board of Directors / Membership Meeting: This meeting was led by Tim Ross, Chairman. Members discussed financials, committee reports, PAC, membership, etc.

Save the Date for ACEC/MO's Winter Meeting & Awards Banquet on February 24-25, 2022

We have set the dates and location for ACEC/MO's Winter Meeting & Awards Banquet. The meeting will be held on **February 24-25, 2022**, at the **Crowne Plaza Kansas City Downtown**. We've moved the format of the meeting around a little and have listed a draft agenda below. We'll send out registration information as soon as we have all the details finalized. Please put these dates on your calendar and plan to join us!



- TENTATIVE AGENDA -

THURSDAY, FEBRUARY 24, 2022

11:00 AM - Environmental Committee Meeting
11:00 AM - Governmental Affairs Committee Meeting
12:00 PM - Luncheon / Speaker
1:30 PM - Critical Business Issues Roundtable
6:00 PM - Awards Reception & Banquet (*to include entertainment*)

FRIDAY, FEBRUARY 25, 2022

8:30 AM - Breakfast / Speaker
10:00 AM - Board of Directors / Membership Meeting

Registration is Open for ACEC/MO's 2022 Future Leaders Academy



Does your firm have a candidate for ACEC/MO's 2022 Future Leaders Academy (FLA)? Registration for the FLA program is now open. The dates for the 2022 FLA program are set for **May 4-5** in St. Charles; **June 15-16** in Independence; **July 20** via Zoom; and **August 24-25** in Osage Beach.

The FLA is an extensive leadership program for young leaders in private consulting firms committed to developing their leadership abilities. The program is most beneficial to those participants with approximately 8-15 years of industry experience. These highly interactive sessions are taught by experts in the field of business administration and people management in professional service firms.

Registration information was recently emailed out and is posted on our [website](#). To register for the 2022 FLA Program, click on the "**Register Now for ACEC/MO's 2022 Future Leaders Academy**" link below. If you want a spot in the 2022 class, please send in your registration form or contact Dawn Hill at 573-634-4080 or DawnHill@acecmo.org.

Register Now for ACEC/MO's 2022 Future Leaders Academy

Upcoming ENR Webinar

Below is an upcoming webinar provided by ENR. Click on the link below for more information and to register.



- District Engineer Comments
- Major Projects
- STIP/Unfunded Needs Updates
- Upcoming Consultant Projects
- Consultant Performance Feedback
- On-Call Contracts.

The next meeting will be scheduled for some time in February 2022. To see the complete minutes from this meeting, [click here](#). You can also see these meeting minutes on ACEC/MO's [website](#).

INDUSTRY NEWS

ACEC Research Institute Releases Highlights of New Five-Year Industry Forecast



Engineering industry revenues will grow by 8.1 percent for 2021, a big snapback from the 7.2 percent drop in 2020, according to a new five-year engineering industry forecast from the ACEC Research Institute. Joe Bates of the Research Institute and Erin McLaughlin, ACEC Vice President for Private Market Resources, presented the highlights of the forecast. The Institute will publish the full forecast in the coming weeks.

In the baseline forecast for 2022 through 2026, the engineering industry will average 2.5 percent annual growth. And if the Infrastructure Investment and Jobs Act passes, it would increase A/E output by \$132 billion over the next five years, which represents an average 5.6 percent annual increase in A/E economic activity over the forecast period. McLaughlin reported that the primary driver behind the growth in 2021 and a continued strong performer in the coming years is the residential market, specifically the single-family. The market drives a lot of activity for engineering firms, including new transportation infrastructure, water systems, and commercial and retail construction.

The Research Institute will also release in the coming weeks its inaugural sentiment survey for the design services industry, and Bates reported that firm leaders' optimism about their firms' current performance is "off the charts." Large firm leaders were the most optimistic, as were those in the South and Midwest. Looking ahead 12 months, firm leaders remained very optimistic about their firms and the industry but had concerns about the overall U.S. economy.

The labor shortage is the biggest downside risk to firms' continued strong performance, with nine out of ten firms reporting that they had at least one open position and firms with more than 500 employees reporting a median level of 60 job openings. Another risk is inflation, and Bates said that he doesn't believe it's going to moderate anytime soon, especially in this A/E/C industry.

ACEC played a video at their Fall Conference recently on the forecast. To watch the video, click on the link below.



MoDOT Statewide 6-Month Consultant Outlook Now Out



MoDOT put together a Statewide 6-Month Consultant Outlook and they posted that on their [website](#). We also have that data posted on the ACEC/MO website along with new RFPs/RFQs from MoDOT. To see the new RFPs/RFQs and the MoDOT Statewide 6-Month Consultant Outlook, [click here](#).

MDNR Engineering Workshop Schedule



The Missouri Department of Natural Resources' Water Protection Program is pleased to announce an Engineering Workshop for owners, operators, continuing authorities, and consultants of wastewater treatment facilities.

The Workshop will have a different format than in past years, focusing on two case studies following the entire regulatory process from conception through Antidegradation to facility planning and applying for a construction permit.

There will be two in-person dates, one in Cape Girardeau and one in Columbia, and one online date. See attached flyer for registration information. There is no fee for this workshop and the Department will be providing 6 hours of continuing education credits. If you have any questions or need assistance with registration, please contact Bern Johnson by phone at 573-751-1714 or by email at bern.johnson@dnr.mo.gov.

- [Engineering Workshop Schedule](#)
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The Future of Project Management Delivery

by Tim Fioretta, Executive Managing Director, Cushman & Wakefield



Twenty years ago, the construction and building industry operated as a vast constellation of silos, with every service provider - from project managers, architects and engineers to contractors and subcontractors - using their own distinct technology platforms. There was little automation and there were numerous processes, all of which created duplicate data in disparate point solution programs, spreadsheets, word processing software, PDFs and email platforms. Though the creative and talented people in the building industry could generally manage projects in a consistent delivery process, there was little efficiency, wide room for errors and too much time spent duplicating efforts.

Two decades later, our industry is mostly in the same inefficient, fragmented place, with multiple data in siloed technology point solutions, on various servers and in duplicate documents. Nearly 70 percent of all work in the building industry is still managed in Excel spreadsheets, according to a recent report by McKinsey & Company. Though today we're more automated - we have construction contractors utilizing sophisticated software for their projects and architects employing state-of-the-art technology for their designs - we still haven't been connected in any meaningful way for project management teams to share common project data, and also link real-time communication and transparency of that data to manage critical project information.

Today I'm excited about the future of project management in the building industry. At Cushman & Wakefield, we work to help our clients successfully meet rigorous objectives, solve problems and manage their projects - so we invest in world-class technology platforms that are always on the cusp of what's next

in corporate real estate. Recently, our Project & Development Services team established a strategic investment and collaboration with Ingenious.Build, a cutting-edge, cloud-based project management software platform [...]

To read the full article, click [here](#).

MEMBER INFORMATION & CALENDAR

QBS Nominations Wanted

The ACEC/MO QBS Award was established to recognize outstanding support of the Qualifications-Based Selection procedures. The contributions can be made in many forms but must embody a commitment to and support and promotion of QBS. ACEC/MO gives an annual award in the categories of government and non-government. If you work with a public or private client that uses or has converted to the QBS method, go to our [website](#) for a nomination form if you want to submit them for an award.



The deadline to submit a nomination form is **December 31, 2021**. The award will be given at ACEC/MO's Winter Meeting on February 24, 2022 in Kansas City.

14 Projects Entered in ACEC/MO Engineering Excellence Awards Competition



Engineering firms across Missouri entered 14 projects in ACEC/MO's Engineering Excellence Awards Competition. Most of the competing projects are located in Missouri but one project was located in Iowa. The project entries were judged on November 17th by a superb panel of judges. The winning project entries will be officially announced on February 24, 2022, during our Awards Banquet at the Crowne Plaza Kansas City Downtown in Kansas City, MO.

- Engineering Excellence Awards Project Entries -

Category A: Studies, Research and Consulting Engineering Services

Crawford, Murphy & Tilly, Inc. – *Project: Webster County US Highway 60 Rail Study*

Category D: Surveying and Mapping Technology

Bartlett & West, Inc. – *Project: Using Smart Technologies to Access KCMO's Sidewalks*

Category F: Water and Stormwater

Burns & McDonnell Engineering Company, Inc. – *Project: Gravois Trunk Sanitary Storage Facility (Pardee Ln and Pardee Rd)*

CDM Smith Inc. – *Project: Co-Digestion to Renewable Gas (RNG) Pipeline Injection at the Des Moines, Iowa, Water Reclamation Facility*

George Butler Associates, Inc. – *Project: Trolley Trail Basin*

HNTB Corporation – *Project: CID Green Infrastructure Project*

Horner & Shifrin, Inc. – *Project: Saline Creek Wastewater Treatment Facility Upgrades*

Category G: Water Resources

CDM Smith Inc. – *Project: Target Green West Marlborough Green Infrastructure*

Crawford, Murphy & Tilly, Inc. – *Project: Stratmann Pump Station Replacement*

Category H: Transportation

Bartlett & West, Inc. – Project: Interstate 70 - Mineola Hill Climbing Lanes

HDR Engineering, Inc. – Project: I-435 / I-70 Partial Turbine Interchange

Category I: Special Projects

CBB – Project: Traffic Management Enhancements Phase 3

CDG Engineers, Inc. – Project: Laclede's Landing Improvement Project

Reitz & Jens, Inc. – Project: Gravois Greenway to River des Peres Greenway

Member News

[Barr Engineering Company](#) is pleased to announce that **Ed Galbraith** has rejoined their office in Jefferson City as a senior environmental consultant. Ed returns to Barr after more than four years as the Director of the Division of Environmental Quality of the Missouri Department of Natural Resources.



[Burns & McDonnell](#) is pleased to announce the promotion of **Alissa Schuessler** to chief financial officer. Alissa will succeed Denny Scott, who will retire at the end of 2021 after having served as CFO since 2014.

[McClure](#) is pleased to announce that **Michael Stith** has joined their Macon office as an On-Site Water Representative. Stith will be supporting the Water Team, to achieve McClure's vision of making lives better.

[Ross & Baruzzini, Inc.](#) announced that **Warren Kohm**, Senior Electrical Engineer - Government, was inducted into the Missouri University of Science and Technology Academy of Electrical and Computer Engineering. The academy is a departmental advisory group composed of alumni and other electrical and computer engineers who have made outstanding contributions to their profession.

[TREKK Design Group, LLC](#) is excited to announce that St. Louis-based **Access Engineering, LLC** joined the TREKK family on November 1. The Access team strengthens TREKK's expertise in civil, transportation, traffic, stormwater and wastewater engineering planning and design, data collection and construction inspection.

[Walter P Moore](#) announced the following promoted 2021 Senior Principals in Missouri: **Daniel L. Brown**, PE, LEED AP, ENV SP; and **David T. Ford**, PE, RRC, RWC, LEED AP.

[WSP USA Inc.](#) is proud to announce that **Jennifer Pangborn, AICP, PTP** was recognized as a 2022 *Engineering News-Record* Midwest Top Young Professional. Jennifer is an advocate for the advancement of women in engineering through her involvement with the Women's Transportation Seminar (WTS), Washington University Engineering Women Leadership Group and is passionate about engaging the next generation of engineers working with K-12.

Calendar of Events

February 24-25, 2022 -- ACEC/MO Winter Meeting & Awards Banquet, Kansas City
(NEW DATES)

May 2, 2022 - ACEC/MO 1st Annual PAC Golf Tournament, Porto Cima, Sunrise Beach

May 22-25, 2022 - ACEC Annual Convention & Legislative Summit, Washington, DC

May 4-5, 2022 -- ACEC/MO Future Leaders Academy, St. Charles

June 8-13, 2022 - ACEC Midwest States Conference, St. Croix, U.S. Virgin Islands



June 15-16, 2022 -- ACEC/MO Future Leaders Academy, Independence

July 20, 2022 -- ACEC/MO Future Leaders Academy, Virtual

August 24-25, 2022 -- ACEC/MO Future Leaders Academy, Osage Beach

August 25, 2022 -- ACEC/MO 6th Annual ACEC/PAC Golf Tournament, Osage Beach

August 25-26, 2022 -- ACEC/MO Summer Meeting, Osage Beach

October 16-19, 2022 -- *ACEC Fall Conference, Colorado Springs, CO*

November 3-4, 2022 -- *ACEC/MO Fall Meeting, Columbia*

Newly added events are italicized. To see a complete calendar of events, go to ACEC/MO's [website](#).

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