

CELEBRATING THE IMPACT OF CONSULTING ENGINEERS ON THE BUILT & NATURAL ENVIRONMENTS DURING COLORADO ENGINEERS WEEK: FEB. 16-22



Consulting Engineers Impact on Design & the Economy

Consulting engineers play a pivotal role in shaping both the built and natural environments, significantly impacting society through ability and expertise in researching issues and designing innovative solutions. Their work spans structural, civil/transportation, mechanical-electrical, energy, water resources and environmental, geotechnical and surveying disciplines. Consulting engineering firms are led by at least one licensed Professional Engineer (PE) or Professional Land Surveyor (PLS) in responsible charge. PEs in structural engineering ensure the safety and stability of buildings, bridges and other infrastructures. They design frameworks that withstand natural forces, protecting communities from potential hazards. In civil and transportation engineering

PEs develop efficient transportation systems, enhancing connectivity and reducing travel time, which boosts economic growth and improves quality of life. Mechanical-electrical PEs design and maintain systems that power our daily lives, from HVAC systems in buildings to electrical grids that provide reliable energy. Their work ensures comfort, safety, and sustainability in residential, commercial and industrial settings. In the energy sector, consulting engineers develop renewable energy solutions and improve energy efficiency, contributing to a sustainable future. Their innovations help reduce carbon footprints and promote the use of clean energy sources. In the realm of water resources and environmental engineering, PEs and scientists work to develop systems for water supply, wastewater treatment, and pollution control. Their efforts safeguard public health and preserve natural ecosystems, ensuring clean water and a healthy environment for future generations. Geotechnical PEs analyze soil and rock properties to design foundations and earthworks that support structures and prevent



Participants from Transportation & Construction GIRL learn about the engineering feats behind Muller Engineering Company's award-winning design of Clear Creek Canyon Park, Gateway Segment.

landslides. Their expertise is crucial in constructing safe and resilient infrastructures. PLSs provide precise measurements and mapping of land, which are essential for planning and development. Their work supports property boundaries, construction projects and land use planning, assisting in both accuracy and legal compliance.

Overall, consulting engineers are instrumental in creating safe, efficient and sustainable environments while enhancing the public's quality of life and fostering economic development. To profile and analyze performance in the consulting engineering and design services industry (A/E Services), the American Council



of Engineering Companies (ACEC) Research Institute began commissioning an industry impact studies in 2020. The most recent report from this study, Economic Assessment of the Engineering + Design Services Industry, was released in October 2024 with the following key findings for Colorado:

- \$22.5B Contributed to GDP
- \$3.7B Federal Taxes Collected
- \$1.7B State & Local Taxes Collected
- 206,200 Jobs Supported
- \$19.7B Total Wages Supported

To read the complete report, including statistics for each state and the U.S. overall, visit acec.org/research-institute or scan the QR code.



BOULDER COMMUNITY HOSPITAL DECONSTRUCTION AND STEEL REUSE

ACEC CO ENGINEERING EXCELLENCE AWARDS 2025 - GRAND CONCEPTOR

1ST MAJOR COMMERCIAL BUILDING (250,000 SF) TO BE COMPLETELY DECONSTRUCTED WITH 161 TONS OF RECOVERED STEEL FROM THE HOSPITAL AVAILABLE TO REUSE.



RECIPIENTS OF ACEC COLORADO 2025 ENGINEERING EXCELLENCE AWARDS

GRAND CONCEPTOR



Project Name: Boulder Community Hospital Deconstruction & Steel Reuse
Location: Boulder, Colo.
Consulting Engineer: KL&A, Engineers & Builders (Golden, Colo.)
Client/Owner: City of Boulder
Category: Studies, Research and Consulting Engineering
Photo courtesy of KL&A, Engineers & Builders

The Boulder Community Hospital (BCH) Deconstruction and Steel Reuse Project is the first in North America to designate salvaged structural steel for new commercial construction. The 250,000-square-foot hospital was fully deconstructed, recovering 161 tons of steel, creating the largest structural steel stockpile of its kind with 584 reusable sections.

KL&A played a key role by developing digital and physical inventories, standardizing documentation, and managing logistics. They collaborated with the City of Boulder and contractor Ameresco to ensure the steel met reuse standards and facilitated its sale for new projects. The initiative is expected to save 167,338 kgCO₂ equivalent—comparable to removing 37 gasoline-powered cars from the road for a year.

This project sets a precedent for sustainable construction, proving that salvaged materials can be successfully integrated into new developments while significantly reducing carbon impact.

EXCELLENCE AWARDS



Project Name: North I-25 Segment 6
Location: Berthoud, Colo.
Consulting Engineer: Muller Engineering Company (Lakewood, Colo.)
Client/Owner: Colorado Department of Transportation - Region 4
Category: Transportation
Photo Credit: Photo courtesy of Colorado Department of Transportation



Project Name: USAFA Hosmer Visitor Center
Location: Colorado Springs, Colo.
Consulting Engineer: The RMH Group (Lakewood, Colo.)
Client/Owner: Fentress Architects
Category: Building/Technology Systems
Photo courtesy of Time Frame Images



Project Name: Colorado Convention Center Expansion - Building/Technology Systems
Location: Denver, Colo.
Consulting Engineer: ME Engineers (Golden, Colo.)
Client/Owner: City & County of Denver
Category: Building/Technology Systems
Photo courtesy of RLI Photography



Project Name: Montgomery Whitewater Park
Location: Montgomery, Ala.
Consulting Engineer: Calibre Engineering (Highlands Ranch, Colo.)
Client/Owner: Montgomery County Community Cooperative District
Category: Special Projects
Photo courtesy of Montgomery Whitewater

Project Name: University of Washington Power Plant Upgrade
Location: Seattle, Wash.
Consulting Engineer: Stanley Consultants (Centennial, Colo.)
Client/Owner: University of Washington
Category: Energy
Photo courtesy of University of Washington

One of the best ways to learn about the vast type and scope of work done by consulting engineers is to check out the winners from ACEC Colorado's 2025 Engineering Excellence Awards. With a history spanning over 65 years, these awards highlight groundbreaking projects that not only showcase engineering ingenuity but also address critical societal needs. The recipients of Colorado's Grand Conceptor and Excellence Awards are eligible to enter the ACEC National competition with results announced at a ceremony on May 20, 2025, in Washington, D.C. To follow are this year's winners.

HONOR AWARDS

Project Name: 30th and Colorado Protected Intersection and Underpass
Location: Boulder, Colo.
Consulting Engineer: Otak, Inc. (Denver, Colo.)
Client/Owner: City of Boulder
Category: Transportation

Project Name: Colorado Convention Center Expansion - Structural Systems
Location: Denver, Colo.
Consulting Engineer: Martin/Martin, Inc. (Lakewood, Colo.)
Client/Owner: TVS Design
Category: Structural Systems

Project Name: Colorado State University SPUR Campus Hydro Building
Location: Denver, Colo.
Consulting Engineer: Cator, Ruma & Associates (Lakewood, Colo.)
Client/Owner: Colorado State University
Category: Building/Technology Systems

Project Name: Denver Populus Hotel
Location: Denver, Colo.
Consulting Engineer: Kimley-Horn and Associates (Greenwood Village, Colo.)
Client/Owner: Urban Villages, Inc.
Category: Special Projects

Project Name: Fort Morgan Wastewater Expansion 3D Scanning and Modeling
Location: Fort Morgan, Colo.
Consulting Engineer: Merrick & Company (Greenwood Village, Colo.)
Client/Owner: City of Fort Morgan
Category: Surveying/Mapping Technology

Project Name: PUB RW 8R-26L and Taxiways Rehabilitation
Location: Pueblo, Colo.
Consulting Engineer: Dibble (Denver, Colo.)
Client/Owner: City of Pueblo
Category: Transportation

Project Name: Ute Water WTP Pre-Sedimentation Reservoir
Location: Palisade, Colo.
Consulting Engineer: Providence Infrastructure Consultants (Littleton, Colo.)
Client/Owner: Ute Water Conservancy District
Category: Water Resources

MERIT AWARDS

Project Name: Connecting Auraria
Location: Denver, Colo.
Consulting Engineer: Wilson & Company Inc., Engineers & Architects (Denver, Colo.)
Client/Owner: City & County of Denver
Category: Transportation

Project Name: EPIC Campus Transformation
Location: Littleton, Colo.
Consulting Engineer: AE Design (Denver, Colo.)
Client/Owner: Littleton Public Schools
Category: Building/Technology Systems

Project Name: High Line Canal Trail - The Missing Link
Location: Aurora, Colo.
Consulting Engineer: Stanley Consultants (Centennial, Colo.)
Client/Owner: City of Aurora
Category: Special Projects

Project Name: Loretto Heights
Location: Denver, Colo.
Consulting Engineer: Harris Kocher Smith (Denver, Colo.)
Client/Owner: Westside Investment Partners
Category: Special Projects

Project Name: Nest56 at Denargo Market
Location: Denver, Colo.
Consulting Engineer: CTL IThompson, Inc. (Denver, Colo.)
Client/Owner: Rivet Development Partners LLC & Pennrose LLC
Category: Environmental

Project Name: South Broadway Multimodal Improvements
Location: Denver, Colo.
Consulting Engineer: Kimley-Horn and Associates, Inc. (Greenwood Village, Colo.)
Client/Owner: City and County of Denver
Category: Transportation

Project Name: Watson Avenue Roundabout
Location: Breckenridge, Colo.
Consulting Engineer: Felsburg Holt & Ullevig (Greenwood Village, Colo.)
Client/Owner: Town of Breckenridge
Category: Transportation

MERIT AWARD & OUTSTANDING PROJECT BOARD



Project Name: US 40 & Floyd Hill Roundabouts
Location: Evergreen, Colo.
Consulting Engineer: Stolfus & Associates (Greenwood Village, Colo.)
Client/Owner: Colorado Department of Transportation
Category: Transportation
Photo courtesy of The Unfound Door

Watch one-minute videos about each award-winning project on the ACEC Colorado Channel of YouTube at bit.ly/acec-co-eea25videos or by scanning this QR code.



ABOUT ACEC COLORADO

ACEC Colorado (acec-co.org) is a business association of more than 250 member firms employing nearly 12,500 individuals in the independent private practice of consulting engineering. ACEC Colorado's mission is to advance a business environment that helps professional design firms thrive™ and its vision is to connect the professionals who improve the natural and built environments. ACEC Colorado provides leadership and direction by developing practical, feasible options and solutions based on technical collaboration to achieve enduring outcomes to benefit society.

Colorado Engineers Week

To celebrate the incredible impact that consulting engineers have on everything from roads, buildings, clean water and much more in between, the American Council of Engineering Companies (ACEC) Colorado annually promotes a series of public-facing events to celebrate Colorado Engineers Week—part of national Engineers Week—the third week in February to coincide with the birthday of George Washington, who is often considered the “first engineer” of the United States due to his extensive surveying work. From educational STEM workshops to advocacy events—even a proclamation by the Governor—ACEC Colorado strives to give the public a way to connect with consulting engineers and better understand what they do—possibly even inspiring the next generation of the profession. Learn more about this and next year’s events at acec-co.org/education-events/colorado-engineers-week.



SUBMITTED PHOTO

Students demonstrating their ACEC Colorado Foundation “Roles of Engineers in a City” award-winning entry from 2024 Colorado Region Future City competition.



WHEREAS, engineers use their scientific and technical knowledge and skills in creative and innovative ways to fulfill society’s needs; and

WHEREAS, engineers face the major technological challenges of our time – from rebuilding towns devastated by natural disaster, cleaning up the environment, and assuring safe, clean, and efficient sources of energy, to designing information systems that will speed our country into the future; and

WHEREAS, engineers are encouraging our young math and science students to realize the practical power of their knowledge; and

WHEREAS, we will look more than ever to engineers and their knowledge and skills to meet the challenges of the twenty-first century;

THEREFORE, I, Jared Polis, Governor of the State of Colorado, do hereby proclaim the period of time between February 16 and February 22, 2025, as

COLORADO ENGINEERS WEEK

in the State of Colorado.

GIVEN under my hand and the Executive Seal of the State of Colorado, this sixteenth day of February, 2025



Jared Polis

Jared Polis
Governor



APRIL 23 - 24, 2025

Hotel Polaris | Colorado Springs



NETWORKING

350+ Attendees & Speakers

- Consulting Engineers
- Federal, State & Municipal Agencies
- HR, IT & Finance Professionals
- Marketing & Business Development Professionals



EDUCATION

Plenary Keynotes on Leadership & Advocacy with Concurrent Session Specific to Practice Area

- Transportation
- Water Resources & Environment
- Vertical Design & Energy
- Business Practices

EVENTS

Engagement Opportunities

- Breaks and receptions with exhibitors
- Colorado 2025 Engineering Excellence Award
- Grand Conceptor Project Spotlight Luncheon
- Annual Meeting & Honor Awards
- Recognition of ACEC Colorado Foundation 2025 College & High School Scholarship Recipients



More than 350+ Consulting Engineering Industry Professionals Expected
SPONSORSHIP & EXHIBITOR OPPORTUNITIES AVAILABLE

Register & Learn More at acec-co.org

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**MENTORING
MONDAY**

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