## **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 Seament.

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

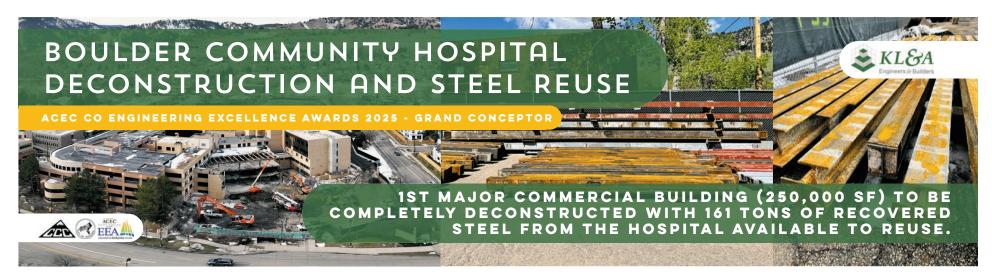


of Engineering Companies (ACEC) Research Institute began commissioning an industry impact studies in 2020. The most recent report from this study, Economic Assessment of the Engineering + Design Services Industry, was released in October 2024 with the following key findings for Colorado:

- \$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.

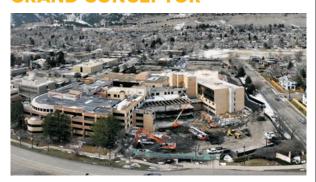






# **RECIPIENTS OF ACEC COLORADO 2025 ENGINEERING EXCELLENCE AWARDS**

### **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 kgCO<sub>2</sub> 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,

**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 |Thompson, 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 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<sup>™</sup> 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 Weekpart 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

WHERFAS, engineers face the major technological challenges of our time – from rebuilding towns devastated by natural disaster, cleaning up the environment, and assuring sufe, 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;

THERBFORE, 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



Jared Polis



## **APRIL 23 - 24, 2025**

Hotel Polaris | Colorado Springs



### **IETWORKING**

### 50+ Attendees & Speakers

- Consulting Engineers
- Federal, State & Municpal 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**

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