



2021 Engineering Excellence Awards

# CALL FOR ENTRIES

*by the American Council of Engineering Companies of Arkansas*



# CALL FOR ENTRIES

## Achieving Recognition

ACEC/A's 2021 Engineering Excellence Awards competition offers the opportunity to showcase the year's best engineering achievements to an audience of clients, peers, and decision-makers at all levels. The EEA Banquet celebrates, with pride and elegance, the outstanding achievements of the engineering profession.

## ENGINEERING EXCELLENCE

*The American Council of Engineering Companies of Arkansas's annual Engineering Excellence Awards (EEA) competition recognizes engineering firms for projects that demonstrate a high degree of achievement, value, and ingenuity.*

Again this year, engineering firms are entering their most innovative projects and studies for the state competition conducted by the American Council of Engineering Companies of Arkansas (ACEC/A).

EEA entries are accepted into one of 12 project categories: Studies, Research, and Consulting Engineering Services; Building/Technology Systems; Structural Systems; Surveying and Mapping Technology; Environmental; Water and Wastewater; Water Resources; Transportation; Special Projects; Small Projects, Industrial and Manufacturing Processes and Facilities; and Energy.

**Awards are given for large projects with construction costs greater than or equal to \$500,000 and one for small projects with construction costs less than \$500,000 for each of the categories except Category A.**

Project entries must be designed by engineers located in Arkansas. A distinguished panel is convened to judge the projects. These professionals may have backgrounds in engineering, architecture, state and federal government, media, academe, and military. The panel evaluates projects for engineering excellence and then selects winners for each subcategory. One Grand Conceptor Award is chosen from among the other award winners.

All submitted projects are rated on the basis of uniqueness and originality; future value to the engineering profession; social, economic, and sustainable development considerations; complexity; and successful fulfillment of the client/owner's needs, including schedule and budget.

ACEC/A's Engineering Excellence Awards provide firms an opportunity to obtain statewide recognition and to showcase their talent and expertise at a prestigious awards ceremony.



## 2020 GRAND CONCEPTOR

CANTRELL FIELD ACCESS  
CONWAY, AR

### Eligibility

Any Arkansas engineering or surveying firm, or any firm joint venturing with an Arkansas firm, is eligible to enter the awards program, whether or not the firm is a member of ACEC/A.

### Judging

Entries are judged on the basis of overall engineering excellence in each of 12 categories. Entries are judged on the basis of the work performed by the entering firm according to the rating guidelines listed. Winners are notified prior to the EEA Banquet, except for the Grand Conceptor Award, which will be announced at the banquet.

### Awards

The panel of judges may grant up to 23 awards, two in each category (except in Category A), and one Grand Conceptor Award, at its discretion. The Grand Conceptor may come from any of the 12 categories and will be presented as the top state winner selected by the judges, whose decisions on all awards are final. Awards will be presented to the clients/owners and the entering firm submitting the winning entries.

### Publicity

The public relations and marketing value of participation in the state Engineering Excellence Awards program is considerable. All state winners are highlighted in Building Arkansas magazine. Each entry is recognized at the awards banquet. The ACEC/A staff contacts the local media to announce winners and their awards. Winners are also published on the ACEC/A website at [www.ArkansasEngineers.org/acec/](http://www.ArkansasEngineers.org/acec/).

### Categories

There is a small and large project entry level for each category, except project Category A, which has no project size criteria. The small project subcategory is for projects with a construction costs below \$500,000.

**This year, entrants will receive a \$100 discount for submitting in the small projects subcategory.**

*\*Please note that these requirements are for the state competition, which closely reflect national requirements. If you choose to submit your project for national competition, there is a separate brochure and entry form.*

# CALL FOR ENTRIES

## Rating Guidelines for Judges

**25%** Original or innovative application of new or existing techniques

**20%** Future value to the engineering profession and perception by the public

**15%** Social, economic, and sustainable design considerations

**20%** Complexity

**20%** Exceeding client/owner needs

**100% Total**

## DEFINITIONS OF RATING GUIDELINES

### 1. Original or innovative application of new or existing techniques:

Does the entry demonstrate use of a new science or a breakthrough in the general knowledge of engineering?

Does the entry represent a unique application of new or existing technology, techniques, materials, or equipment?

### 2. Future value to the engineering profession:

Does the entry advance the state of the engineer's art?

Does the entry advance a positive public image of engineering excellence?

### 3. Social, economic, and sustainable design considerations:

Do the solutions identified produce secondary benefits of value to the community environment?

Does the entrant's approach provide society with social, economic, or sustainable development benefits?

Does the entrant's contribution to the project improve the health, safety, or welfare of the public or affected environment?

### 4. Complexity:

Did the entry successfully address very complex criteria or unique problems?

Were extraordinary problems of site, location, hazardous conditions, project requirements, or similar elements present?

Did the entry require the use of out-of-ordinary technology or ingenuity for achievement of the project's goals?

### 5. Exceeding client/owner needs:

Did the engineer or entrant successfully engage the client/owner in the overall project development process?

Does the entry comply with and justify its original concept?

Is it an economic and cost-effective solution?

How did final cost relate to original budget estimate?

How closely does the entrant's solution meet the total goals of the client/owner?

Did the entrant meet the client's time schedule?



**CATEGORY A**  
**Studies, Research, and Consulting**

Non-design services including, but not limited to:

- New Products, Materials, and Technologies
- Expert Testimony
- Basic Research and Studies
- Computer/Software Technology
- Technical Papers

None of the projects entered in Category A are involved with the preparation of construction documents.



**CATEGORY B**  
**Building/Technology Systems**

- Mechanical/Electrical
- Computer/Technology
- Communications
- Acoustics
- Software Systems
- Energy Efficiency - New and Retrofit



**CATEGORY C**  
**Structural Systems**

- Foundations
- Tunnels
- Buildings
- Seismic Design
- Towers
- Bridges
- Sports Facilities



**CATEGORY D**  
**Surveying and Mapping Technology**

- Geometrics, ALTA, Land Title, and Rights Surveys
- Control, GPS, Monitoring, or Construction Surveying
- Survey Mapping, GIS/LIS, and Photogrammetry



**CATEGORY E**  
**Environmental**

- Hazardous Waste
- Solid Waste
- Restoration/Reclamation
- Air Quality
- Noise



**CATEGORY F**  
**Water and Wastewater**

- Wastewater Collection/ Treatment and Disposal
- Residuals Management
- Storm Water Management
- Erosion Control



**CATEGORY G**  
**Water Resources**

- Hydraulics and Hydrology
- Irrigation



**CATEGORY H**  
**Transportation**

- Highways
- Railroads
- Airports
- Marine/Ports
- Public Transit
- Intermodal Facilities



**CATEGORY I**  
**Special Projects**

- Safety and Security
- Corrosion Protection
- Program and Construction Management
- Land Development
- Recreational Facilities



**CATEGORY J**  
**Small Projects**

- Total project construction budget does not exceed \$2.5 million. At the entrant's discretion, except for entries in Category A, projects under \$2.5 million are not limited to this category.



**CATEGORY K**  
**Energy**

- Transmission and Distribution
- Power Generation
- Renewable Energy
- Cogeneration
- Energy Storage Technologies
- Energy Usage Reduction Programs
- Demand Side Management



**CATEGORY L**  
**Industrial and Manufacturing Processes and Facilities**

- Petrochemical
- Biotech
- Manufacturing
- Heavy Industry
- Industrial Waste
- Materials Handling
- Mining, Metallurgy, Mineralogy

# SUBMISSION REQUIREMENTS

This section describes all required submission materials for entering the 2021 ACEC/A Engineering Excellence Awards competition. Print and digital submissions are required for each entry, and all materials must be submitted as designated below.

*Must turn in BOTH print and digital submissions by the January 15, 2021 deadline.*

## Print Submissions

Send to: ACEC  
Attn: Angie W. Cooper, 9 Shackelford Plaza #1  
Little Rock, AR 72211

- Project information Submittal: Should be bound and contain one copy of all sections (1-5) of the project information submittal.
- Photographic Display Panel
- Project Fee

## Digital Submissions

Upload to: [eea.arkansasengineers.com](http://eea.arkansasengineers.com)

- Project Information Submittal: 1 PDF that contains all sections (1-5, as described below) of the project information submittal.
- Project Photography

## Project Information Submittal

*Both print and digital versions are required for this section. See "Submission Requirements" for digital and print details.*

### 1. Official Entry

The engineer or surveyor and client/owner must all sign the original Official Entry Form stating that the submitted project was substantially completed and ready for use between November 1, 2018 and October 31, 2020. The entry fee needs to be attached to the original Official Entry Form.

### 2. Executive Summary

(One page: 8.5" x 11" with 1" side margins) describing the problem and solution. Project title and entry category must appear at the top of the page.

### 3. Project Description

Five pages or less (8.5" x 11") addressing a, b, and c as listed below. The project title, category, and page number should appear at the top of each page. Entrants may use text (minimum 12 point), photos, graphics, etc.

- a. Role of entrant's firm in the project

- b. Role of other consultants participating in the project

- c. Brief description of the entrant's contribution to the project addressing each of the following as an example:

- Original or innovative application of new or existing techniques
- Future value to the engineering profession
- Social, economic, and sustainable design considerations
- Complexity
- Exceeding client/owner needs. Include actual cost and actual date of completion information from the Official Entry Form.

### 4. 200-word project summary

### 5. Key participants

List the key participants of the project such as contractors, subcontractors, other engineers, architects, and designers involved. Include firm name, address, phone number, and an email address of each participant.

## IMPORTANT DATES TO REMEMBER

### January 15, 2021

Submitted materials to compete in state EEA competition must be received at ACEC/A. Deadline to submit for nationals is January 8.

## Officers 2020-2021

### **President**

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Burns & McDonnell  
Springdale, AR

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Jamie White  
Garver  
North Little Rock, AR

Holly Veatch  
B&F Engineering  
Little Rock, AR

Travis Tolley, PE  
Crafton Tull  
Little Rock, AR

## Photographic Display Panel

Panels will be displayed for the judges and at the awards banquet. Panel text and photos should demonstrate the challenges, solutions, and innovative uniqueness of key project elements. The panel should be prepared with high-quality photos and graphics, with minimal text. The panel should be 30" x 30" and laminated or otherwise protected. Foam core backing is acceptable.

- Unlimited number of photographic images may be used on the panel.
- Please use 24-point type or larger for text and/or descriptions.
- Title and location of the study or project, client/owner's name and location, and entering firm's name and location (minimum

24-point type) should be shown on the front of the panel. Additional reference to the firm's name may be made within the text on the panel. The firm name, the project name, and the category shall be indicated on the back of the panel.

### **February 2021**

Judging will be held.

### **March 11, 2021**

Winners will be announced during the Engineering Excellence Awards.

*All materials submitted for judging in the state competition become the property of ACEC/A and may be used in future publications.*

Furnish all information requested below for each entry. Firm, project and client typed or printed as they are to appear on the award. Please limit the project name to 35 characters. A fee of \$300 per entry for ACEC/A members (\$600 for non-ACEC/A members) must accompany this form. Make checks payable to ACEC/A. (Small project entries are \$200 for members and \$500 for non-members)

## ABOUT THE PROJECT

Project Name (Limit: 35 Characters) \_\_\_\_\_

Judge the Entry in the Following Category (check one):  Small Entry Level  Large Entry Level

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> A. Studies, Research, and Consulting Engineering Services | <input type="checkbox"/> E. Environmental        | <input type="checkbox"/> I. Special Projects                                      |
| <input type="checkbox"/> B. Building/Technology Systems                            | <input type="checkbox"/> F. Water and Wastewater | <input type="checkbox"/> J. Small Projects  |
| <input type="checkbox"/> C. Structural Systems                                     | <input type="checkbox"/> G. Water Resources      | <input type="checkbox"/> K. Energy  |
| <input type="checkbox"/> D. Surveying and Mapping Technology                       | <input type="checkbox"/> H. Transportation       | <input type="checkbox"/> L. Industrial and Manufacturing Processes and Facilities |

Project Location: Address (no P.O. Boxes) \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Complete Relative to the Entrant's Portion of the Project: (Budgeted and/or actual costs may not apply to some studies in Category A)

Completion/Use Dates: Scheduled \_\_\_\_\_ Actual \_\_\_\_\_

Category A Costs: Budgeted \$ \_\_\_\_\_ Actual \_\_\_\_\_

Construction Costs: Budgeted \$ \_\_\_\_\_ Actual \_\_\_\_\_

## ABOUT THE FIRM(S) SUBMITTING THE PROJECT

Entering Firm(s) \_\_\_\_\_

Firm Representative \_\_\_\_\_ Title of Representative \_\_\_\_\_

Address (no P.O. Boxes) \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone (\_\_\_\_\_) \_\_\_\_\_ Cell (\_\_\_\_\_) \_\_\_\_\_ Fax (\_\_\_\_\_) \_\_\_\_\_

Email \_\_\_\_\_

I hereby authorize submission of this project in the American Council of Engineering Companies of Arkansas' 2021 ACEC/A Engineering Excellence Awards competition.

Senior Executive/Principal \_\_\_\_\_ Title \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

Address (no P.O. Boxes) \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone (\_\_\_\_\_) \_\_\_\_\_ Cell (\_\_\_\_\_) \_\_\_\_\_ Fax (\_\_\_\_\_) \_\_\_\_\_

Email \_\_\_\_\_

## ABOUT THE CLIENT/OWNER(S) SUBMITTING THE PROJECT

Client/Owner(s) \_\_\_\_\_

I currently believe the work of the engineer meets the intended uses and expectations for the project and hereby grant permission to enter this project in the ACEC/A 2021 Engineering Excellence Awards competition, and authorize publication of its outstanding features, unique aspects, or innovations. I confirm that the project was substantially completed and ready for use between November 1, 2018 and October 31, 2020.

Client Owner/Representative \_\_\_\_\_ Title \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

Address (no P.O. Boxes) \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone (\_\_\_\_\_) \_\_\_\_\_ Cell (\_\_\_\_\_) \_\_\_\_\_ Fax (\_\_\_\_\_) \_\_\_\_\_

Email \_\_\_\_\_

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