

ACEC

AMERICAN COUNCIL OF ENGINEERING COMPANIES
of Ohio

Engineering Excellence Awards

2020 CALL FOR ENTRIES



The Engineering Excellence Awards

For half a century, the American Council of Engineering Companies has conducted an annual awards competition to recognize engineering projects which exhibit a high degree of innovation, complexity, achievement and value.

Each year, engineering firms across the country enter their most innovative design projects and studies in their state competition, such as ACEC Ohio's. Top entries will have the opportunity to advance on to the national competition.

With the host of benefits your firm will accrue by taking part in this year's Engineering Excellence Awards Competition, you can't miss this opportunity! Be sure to enter your company's project for a chance to gain additional recognition for your firm and your client.

Dates to Remember

ACEC Ohio

November 4, 2019

Deadline for submission of ACEC Ohio competition entries

November 14, 2019

Judging of entries in Columbus, OH

Notification of Award by November 20, 2019

March 12, 2020

ACEC Ohio Annual Awards Presentation Luncheon, Columbus, OH

ACEC National

January 3, 2020

Deadline for submission of ACEC national competition entries

February 7-9, 2020

ACEC National competition judging

April 28, 2020

ACEC National Awards Presentation Banquet, Washington, D.C.

Participation in ACEC National Competition

At least the top 10 entries in the Ohio competition will be eligible to submit their entries in the ACEC National competition. Firms advancing to the ACEC National competition will be required to do so under ACEC National's instructions and rules, which require the preparation of additional materials and payment of an additional entry fee.

Entry rules and guidelines for the ACEC National competition can be downloaded from National's website (www.acec.org).





General Criteria

SUBMISSION OPTIONS: Official Electronic Entry or Delivered packages.

1. The deadline for submitting complete entries to the **ACEC Ohio office is 4:00 p.m., Monday, November 4, 2019.**
Delivered packages must be sent to:
ACEC Ohio
1650 Lake Shore Drive, Suite 200
Columbus, OH 43204
2. Each entry must be made with an Official Entry Form, accompanied by an entry fee of \$425 for member firms, and \$1,250 for non-member firms, with checks made payable to the American Council of Engineering Companies of Ohio (ACEC Ohio).
(A three percent (3%) processing fee will be charged for any credit card payments.)
3. Entries must be submitted in 1 of 12 categories (see page 4), entrant must select the **one** category that is most appropriate.
(No company may submit more than two entries in any single category.)
4. Projects entered in categories A (Studies, Research & Consulting Services) or D (Surveying & Mapping) must have been publicly disclosed by the client between November 1, 2017 and October 31, 2019. Construction of projects entered in categories B through L (except those in category D) must have been substantially completed and ready for use between November 1, 2017 and October 31, 2019.
5. Projects located outside the State of Ohio are not eligible for entry unless a principal of the entering firm certifies by letter that more than 50 percent of the work on the project was performed at the firm's Ohio office(s).
6. Each entry must include 3 components: **Please review and comply with all requirements laid out in "Preparing Your Entry."**
 - a. Official electronic entry **or** a mailed 9" x 12" (or larger) envelope of all necessary documents.
 - b. A USB flash drive.
 - c. A photographic display panel. (We offer printing through Hopkins Printing. More info on page 7.)
7. Awards must be claimed at the March 12, 2020 awards luncheon or they may be picked up at the ACEC Ohio office.
AWARDS WILL NOT BE SHIPPED.
8. The Engineering Excellence Awards is intended to recognize engineering companies that design projects entered in the competition, not clients who sponsor the projects. While duplicate award pieces can be ordered for presentation to clients, wording on duplicate awards will **not** be modified to state that the client is the recipient of the award.
9. Photographic display panels can be reclaimed at the conclusion of the EEA Awards Luncheon. All other entry materials will be retained by ACEC Ohio.
10. Non-compliance with the competition rules may result in disqualification of the entry.

Reference to any other awards earned by the project in any materials submitted as part of the entry is not permitted.



2020 CALL FOR ENTRIES

EMH&T
Webster Street Bridge Replacement

Available Awards

As many as 10 of the highest scoring entries will be recognized with Outstanding Achievement Awards and will be eligible to voluntarily submit to ACEC National. All other entries will be recognized with Honor Awards, with the two following exceptions.

- 1.) The top award, the Grand Award, will be selected from among the group of Outstanding Achievement Award recipients. The winner of the Grand Award will be announced at the Engineering Excellence Awards Luncheon on *Thursday, March 12, 2020*, in Columbus.
- 2.) An award for the Outstanding Small Project will be presented to the highest scoring project with a total project construction budget not exceeding \$2.5 million, regardless of whether the project was entered in the Small Projects category (J).

Publicity

Participation in the ACEC Ohio Engineering Excellence Awards provides a great public relations opportunity for your firm. ACEC Ohio will work with winners to contact local media to announce their awards. ACEC Ohio will publicize the awards program, participants and winner via social media, electronic newsletter and website.

Project Completion Deadlines

Projects entered in categories A (Studies, Research & Consulting Engineering) or D (Surveying & Mapping Technology) must have been publicly disclosed by the client between November 1, 2017 and October 31, 2019.

Construction of projects entered in other categories must have been substantially completed and ready for use between November 1, 2017 and October 31, 2019.

Eligibility

The Engineering Excellence Awards is open to any company that is licensed to provide professional engineering services in the State of Ohio, and which maintains an office in Ohio, whether or not the firm is a member of ACEC Ohio.

Projects located outside the State of Ohio are not eligible for entry unless more than 50 percent of the work on the project was performed at the firm's Ohio offices.

Call for Entries - Categories

Category A: Studies, Research & Consulting Services

Non-design services, projects not involving the preparation of construction documents consisting of but not limited to the following types of projects:

- New products, materials, and technologies
- Expert testimony
- Basic research & studies
- Computer/software technology
- Technical papers
- Public outreach/involvement
- Water conservation
- Security plans
- Project feasibility studies/economic/risk
- Value engineering

Category B: Building/Technology Systems

- Mechanical/electrical/plumbing
- Computer/technology Communications
- Acoustics
- Software systems
- Sustainability or carbon neutrality
- Efficiency certification standards (e.g. LEED®)
- Energy efficiency, new and retrofit
- Secure facilities (military/research/correctional)

Category C: Structural Systems

- Foundations
- Tunnels
- Buildings
- Towers
- Bridges
- Stadiums

Category D: Surveying & Mapping Technology

- Geometrics, ALTA, land title & rights surveys, Control, GPS, monitoring or construction surveying
- Survey mapping, GIS/LIS, photogrammetry

Category E: Environmental

- Hazardous waste
- Solid waste
- Restoration/reclamation/remediation
- Air quality
- Noise
- Recycling
- Waste pond management
- Carbon sequestration and trading
- Mitigation

Category F: Waste & Storm Water

- Wastewater collection, treatment & disposal
- Residuals management & reuse
- Graywater systems
- CSOs
- Mine tailings
- Agricultural
- Storm water management
- Erosion control

Judging Criteria

A panel of judges with backgrounds in engineering, architecture and construction, academia, industry or government, will evaluate the competition entries using the following criteria:

- 1. Uniqueness and/or Innovative Applications 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? (20%)
- 2. Future Value to the Engineering Profession and Perception by the Public:** Will the entry redefine current engineering thinking? Does the entry advance a positive public image of engineering? (20%)
- 3. Social, Economic and Sustainable Development 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 community? (20%)
- 4. Complexity:** Did the entry successfully address highly complex criteria or unique problems? Does the project successfully address very complex criteria or types of problems? Were extraordinary challenges involving the site, location, hazardous conditions, project requirements or similar elements present? Did the entry require use of out-of-the-ordinary technology or ingenuity for achievement of the project's goals? (20%)
- 5. Successful Fulfillment of Client/Owner Needs:** Did the entrant successfully engage the client/owner in the overall project development process? Was it an economical and cost-effective solution? How did the final cost compare to the 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? (20%)

Category G:

Water Resources

Hydraulics & hydrology
Surface & groundwater supply development
Treatment
Transmission, distribution & storage
Watershed management
Water use reduction
Flood risk management
Climate adaptation
Coastal and eco-system restoration
Locks/dams/water control structures
Irrigation

Category H:

Transportation

Highways
Railroads
Airports
Marine/ports
Public transit
Intermodal facilities

Category I:

Special Projects

Safety & security
Corrosion protection/
cathodic protection
Program & construction management
Land development
Trenchless technologies/
directional boring
Recreational facilities
Subsurface engineering

Category J:

Small Projects

Total project construction budget does not exceed \$2.5 million. (Projects under \$2.5 million are not required to be entered in this category; they may be entered in any other category, at the entrant's discretion.)

Category K:

Energy

Transmission & distribution
Power generation
Renewable energy
Cogeneration
Energy storage technologies
Energy usage reduction programs
Demand-side management

Category L:

Industrial & Manufacturing Processes & Facilities

Petrochemical
Biotech
Manufacturing
Heavy industry
Industrial waste
Materials handling
Mining, metallurgy, mineralogy



2020 CALL FOR ENTRIES

EMH&T
National Veterans Memorial & Museum

Preparing Your Entry

I. REQUIRED DOCUMENTS

These documents may be electronically submitted OR mailed in an a 9" x 12" (or larger) envelope.

1. A COMPLETED ENTRY FORM.

For Electronic Entries: The Entry Form is located on the ACEC Ohio website - (www/acecohio.org) - Once the entrant has completed the form, it can be printed for signatures from all required parties, the form can then be uploaded as part of the electronic project submission.

2. CLIENT/OWNER LETTER.

Letter addressed to ACEC Ohio describing the services provided to the client or project owner by the entrant company and authorizing the entry of the project in the competition.

3. AN EXECUTIVE SUMMARY.

Overview of the project. This document may not exceed one, single-spaced, 8-1/2" x 11" page, with 1" margins, with text in a minimum of 12-point type.

4. A PROJECT DESCRIPTION.

Written and may not exceed six (6), single-spaced, 8-1/2" x 11" pages, with 1" margins, with text single-spaced in a minimum of 12-point type. This document **MUST** describe:

- a. The entrant company's role in the project.
- b. The role of other consultants participating in the project.
- c. The innovative and creative aspects of the services provided by the entrant company, the complexities of the project, the social and economic benefits resulting from the project, the value of the project to the community, the number of people served by the project, cost savings resulting from the project, and other noteworthy features.

5. SUMMARY

Describe in layman's terms why this project is worthy of special recognition (word count between 100-500 words). Explain all factors that exhibit the project's uniqueness and complexity, such as innovative engineering, challenges faced and overall social impact. **NOTE: This summary will provide the basis for all ACEC publicity on the project.**

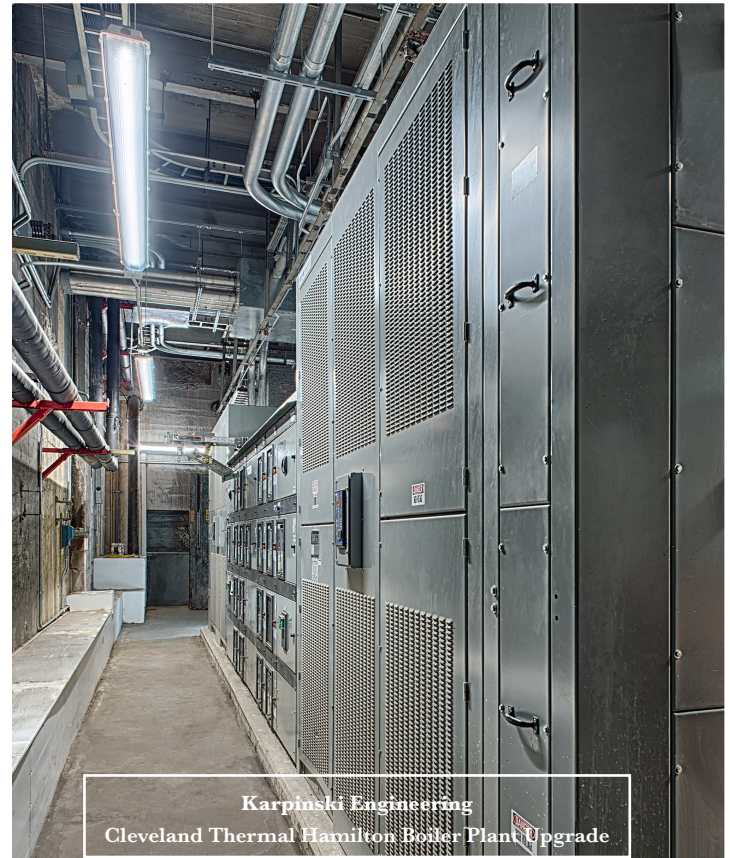
6. ENTRY PROJECTS LOCATED OUTSIDE OF OHIO

A letter from a principal of the entering firm, affirming that more than 50 percent of the work on the project was performed at the firm's Ohio office(s).

***Official Electronic Entry**

Each project document must be uploaded separately through ACEC Ohio's Awards Submittal Portal.

Specifications: ALL documents must be PDF Format.



Karpinski Engineering
Cleveland Thermal Hamilton Boiler Plant Upgrade

(Continued on next page)



Preparing Your Entry (continued)

ACEC Ohio Foam Board Discount

We are offering members a discounted rate to print their board through **Hopkins Printing**.

1 foamcore board is \$87

1 gatorplast board is \$133

If you're interested in using this service please reach out to Steve Shepard at 614-324-4286 or via email at sshepard@hopkinsprinting.com.

Rates include shipping to ACEC Ohio offices.

II. USB FLASH DRIVE

One USB flash drive to accompany photographic display panel sent to ACEC Ohio) An electronic file of the exact copy in PDF format, of the following items:

1. PHOTOGRAPHIC DISPLAY PANEL
2. PROJECT DESCRIPTION
3. EXECUTIVE SUMMARY
4. SIX (6) DIGITAL COLOR PHOTOGRAPHS OF THE PROJECT;

a. Three (3) taken during the planning, startup and/or construction phases.

b. Three (3) showing the completed project.

Digital photos must have a resolution of at least 300 dpi.

- OR -

SIX (6) GRAPHS, CHARTS OR OTHER

ILLUSTRATIVE GRAPHICS In lieu of photographs for entries submitted in Category A (Studies, Research & Consulting Services)

III. PHOTOGRAPHIC DISPLAY PANEL

Panel should illustrate the challenges, technical solutions, innovative aspects and uniqueness of the project. It should include high-quality photos and graphics and no more than 250 words of descriptive text. Photographic panel specifications:

1. PANEL SIZE

- a. Measure 30" x 30" square, mounted on foam core board.
- b. Be laminated front and back, and have a matte finish.
- c. Have a maximum thickness, including front and back lamination, of 16 millimeters (0.62 inches)

2. PHOTOS/GRAPHICS

Contain a maximum of six photographic images and/or graphics. Each photograph or graphic should be a minimum of 7" x 5" or 35 square inches. A background 300ppi photo is not considered as one of the six allowable photo/graphic images.

3. TEXT/FONTS

Plain text not exceeding 250 words total, not including captions. Minimum font sizes: 32-point for text and/or descriptions; 28-point for captions of photos and graphics.

4. REQUIRED ELEMENTS:

- a. The project title and location of the project.
- b. The client/owner's name and location.
- c. The entering firm's name and location in a minimum of 32-point type).
- d. The ACEC Ohio logo, which can be downloaded from the ACEC Ohio website: (www.acecoho.org)

5. BACK OF PANEL LABEL

Add a label to the back of the panel with the name and address of the entrant's firm, the project name and the entry category.



Previous ACEC Ohio Grand Award Winners

- 2019 **Jacobs Engineering** – *Dublin Road Water Plant Treatment Capacity Increase*
- 2018 **DLZ Ohio** – *OARS-OSIS Augmentation & Relief Sewer*
- 2017 **Stantec** – *Scioto Greenways*
- 2016 **AECOM** – *University Medical Center New Orleans*
- 2015 **HNTB Ohio** – *I-90 George V. Voinovich Innerbelt Bridge*
- 2014 **URS Corporation** – *Spaceport America Terminal & Hangar Facility*
- 2013 **THP Limited Inc.** – *Central Riverfront Garage – Phase 2*
- 2012 **ms consultants, inc.** – *I-70/I-71 Columbus South Innerbelt Study*
- 2011 **DLZ Ohio/HNTB Ohio/Spiro Pollalis** – *Main Street Bridge Replacement*
- 2010 **Wilbur Smith Associates** – *Euclid Corridor Transportation Project*
- 2009 **THP Limited Inc.** – *The Ascent at Roebling's Bridge*
- 2008 **FIGG** – *Veterans' Glass City Skyway*
- 2007 **HNTB Ohio** – *Perry Street Bridge Replacement*
- Karpinski Engineering** – *Cleveland State University Recreation & Wellness Center*
- 2006 **DLZ Ohio** – *River Chamber Stabilization & Demolition – Charleoi Locks & Dam*
- 2005 **Lantz Jones Nebraska Inc.** – *Knowlton Hall School of Architecture*
- 2004 **Burgess & Niple, Inc.** – *West Columbus Flood Protection Project*
- 2003 **W. E. Monks & Co.** – *Honda Transmission "Green" Building*
- 2002 **Parsons Brinckerhoff Ohio, Inc.** – *Fort Washington Way Reconstruction*
- 2001 **Civil Design Associates, Inc.** – *Atwood Lake Sewer System Phase I*
- 2000 **Malcolm Pirnie, Inc.** – *Aircraft Deicer Runoff Pilot Plant Treatability & Modeling Study*

