

2024 ENGINEERING EXCELLENCE AWARDS CALL FOR ENTRIES

ELIGIBILITY

Any engineering firm or company with engineering staff and an office in Alaska is eligible to enter the awards program. Firms that worked on a project together may want to, but do not have to, submit a combined entry.

GENERAL CRITERIA

1. Projects entered in the program may have been executed anywhere in the World but must have been primarily designed by staff in an Alaska office.
2. Research and Studies (Category A) must have been publicly disclosed by the client between November 1, 2022 and October 31, 2024. Construction of projects (Categories B through J) must have been substantially completed between November 1, 2022 and October 31, 2024. *See Page 2 for a full listing of all eligible categories.*
3. Entries may be placed in any one of the 10 categories, which are only used for organizational purposes. The entering firm must select the one category that is most appropriate. A project may be entered only once. However, after a project entered in Category A has been constructed, it may be entered in Category B through J, as appropriate, in the year it becomes eligible.
4. The Anchorage Engineers Week will not be responsible for any damages to or loss of an entrant's entry materials or photographic display panel.
5. The Anchorage Engineers Week reserves the right to determine the eligibility for all entries.

DEADLINES

Entries must be received by close of business **Friday January 24, 2025.**

FEES

\$150 paid using Pay Pal. Includes two Engineers Week Banquet seats and award.

WHY ENTER?

The Engineering Excellence Awards program was created by the Anchorage Engineers Week Steering Committee to increase the public's awareness regarding the engineering profession and to recognize engineering firms and projects of distinction. Your company's participation in the program will provide substantial public relations and marketing value for your firm and the profession.

JUDGING

A distinguished panel of judges will evaluate the projects against an established set of criteria. The panel may include representatives from government engineering agencies, University faculty, and retired engineers.

The projects will be judged based on:

- Overall engineering excellence in the design
- The work performed by the entering firm
- Uniqueness and/or innovative applications
- Future value to engineering
- Sustainable development
- Complexity
- Satisfaction of client/owner needs

Entry's that do not meet the submission requirements (excessive page/word count, etc.), may be downgraded at the discretion of the judges.

There will only be one "Engineering Excellence Award", which may come from any category. There may be several "Grand Awards" and "Honor Awards" selected at the discretion of the judges.

PUBLICITY

The Engineering Excellence Awards will be featured in several Engineers Week publications, will have a display at a public venue during Engineers Week, and will be part of the program at the Engineers Week Banquet.

ENTRIES

Submit entries and questions to:
Jeremie Smith, PE, PMP
jeremie.smith@mbakerintl.com

2024 ENGINEERING EXCELLENCE AWARDS

CATEGORIES

CATEGORY A: Studies, Research, and Consulting Engineering 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, or technologies
- Expert testimony
- Basic research or studies
- Technical papers
- Public outreach/involvement
- Water conservation
- Security plans
- Project feasibility studies/economics/risk
- Value engineering

CATEGORY B: Building Technology/Systems

- Mechanical/electrical/plumbing
- Computer/technology
- Communications
- Acoustics
- Software systems
- Efficiency certification standards; e.g., LEED
- Energy efficiency – new & retrofit
- Secure facilities (military/research/correctional)

CATEGORY C: Structural Systems

- Foundations
- Tunnels
- Buildings
- Seismic design
- Towers
- Bridges
- Stadiums

CATEGORY D: Environmental

- Hazardous Waste
- Solid Waste
- Restoration/reclamation/remediation
- Air Quality
- Noise
- Recycling
- Waste pond management
- Mitigation
- Coastal & eco-system restoration

CATEGORY E: Transportation

- Highways
- Rail
- Airports
- Marine/ports
- Public Transit
- Intermodal Facilities

CATEGORY F: Water, Waste Water, and Storm Water Systems

- Hydraulics, hydrology
- Surface and ground water supply development
- Treatment
- Transmission, distribution & storage
- Watershed management
- Flood risk management
- Locks/dams/water control structures
- Irrigation
- Wastewater collection, treatment & disposal
- Residuals management and reuse
- Graywater systems
- CSOs
- Mine tailings
- Agricultural
- Storm water management
- Erosion control

CATEGORY G: Energy

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

CATEGORY H: Industrial and Manufacturing Processes and Facilities

- Petrochemical
- Biotechnical
- Manufacturing
- Heavy Industry
- Industrial Waste
- Materials Handling
- Mining, metallurgy, mineralogy

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 cost does not exceed \$3 million. At the entrant's discretion, except for entries in Category A, projects under \$3 million are not limited to this category.

2024 ENGINEERING EXCELLENCE AWARDS RATING GUIDELINES FOR JUDGING

RATING GUIDELINES

1. Uniqueness and/or innovative applications of new or existing techniques	20%
2. Future value to the engineering profession and perception of the public	20%
3. Social, economic, and sustainable development considerations	15%
4. Complexity	15%
5. Successful fulfillment of client/owner needs	15%
6. Entry meets submittal requirements	15%
Total	100%

Note: Entry's that do follow the submission requirements (excessive page/word count, etc.), may be downgraded at the at the discretion of the judges.

RATING GUIDELINE DEFINITIONS

1. Uniqueness and/or innovative applications of new or existing techniques:

- Does the entry demonstrate the use of a new science or a breakthrough in the general knowledge of engineering?
- Does the entry represent a unique application of a new or existing technology, techniques, materials, or equipment?

2. Future value to the engineering profession and perception by the public:

- Will the entry redefine the current engineering thinking?
- Does the entry advance a positive public image of engineering excellence?

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 environment?

4. Complexity:

- Did the entry successfully address highly 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. Successful fulfillment of Client/Owner needs:

- Did the engineer or entrant successfully engage the client/owner in the overall project development phase?
- Was it an economical and cost-effective solution?
- How did the final cost relate to the original budget amount?
- How closely does the entrant's solution meet the total goals of the client/owner?
- Did the entrant meet the client's time schedule?

6. Entry meets the submission requirements:

- Entrant meets all the requirements for submission (e.g. substantial completion dates, number of pages, photos/graphics, etc.).

2024 ENGINEERING EXCELLENCE AWARDS PREPARING YOUR ENTRY

This section describes all required submission materials for entering the 2024 Engineering Excellence Awards program. All materials must be submitted exactly as designated below. Digital files must be PC compatible and appropriate to the information being submitted (i.e. Microsoft Word for text, high resolution JPEGs, photos or other images, PDF's, etc.).

If the submission does not meet the requirements listed, it may be disqualified.

If any part of an entry does not meet the requirements listed, that portion of the entry may not be presented for judging.

Extraneous material will be discarded prior to judging. Please follow the guidelines; no tabbed dividers, no extra handouts or materials are permitted.

No reference to other awards is permitted in your submitted materials.

All materials submitted for judging become the property of the Anchorage Engineers Week and may be used in Engineers Week publications. Panels may be used for displays or other promotional or educational purposes. Submitted materials will **not** be returned, except for the 20x20 photographic panel.

SUBMISSION REQUIREMENTS

Firms may submit a maximum of three (3) entries.

NOTE: No QR codes or embedded links are permitted in any portion of an award presentation.

PHASE 1: "INTENT TO ENTER"

Deadline is Friday, December 27, 2024

Only three items are needed for Phase 1 "Intent to Enter"

1. OFFICIAL PHASE 1 ENTRY FORM

With project name, entering firm, client/owner and submission coordinator's information completed.
(see page 5 for official entry form)

2. PHOTO & SUMMARY

Submit JPEG File (High Resolution) of one photo, a Word file with an executive summary of the project, and a photographer's release for the photo *(See Page 6 for photographer's release).*

3. ENTRY FEE – due at same time as Phase 1 submittal: (\$150 per entry)

Email Gerry Brown (grbrown@gci.net) for payment instructions. Include name of firm and project in the email, plus project category. Please copy Jeremie Smith at: Jeremie.Smith@mbakerintl.com

**Submit Phase 1 and Phase 2
 Materials Electronically!**

Email to:

Jeremie.Smith@mbakerintl.com

**Submit Photographic Display Panel and
 Thumb Drive (if needed) to:**

**Jeremie Smith
 3900 C St Ste 900
 Anchorage, AK 99503**

PHASE 2: FINAL ENTRY MATERIALS

Deadline is Friday, January 24, 2025

See Page 8 for detailed information about each piece needed for Phase 2 Final Entry materials.

1. OFFICIAL PHASE 2 ENTRY FORM – With all information completed. Entry form must be signed by both the entrant and the client/owner. *(see page 7 for official entry form)*

2. CLIENT/OWNER LETTER – One page max *(See page 8, item 2 for details).*

3. EXECUTIVE SUMMARY – One page max *(See page 8, item 3 for details)*

4. PROJECT DESCRIPTION – Five page max *(See page 8, item 4 for details)*

5. PHOTOS OR GRAPHICS

Submit separate JPEG files of each photo or graphic used in the Photographic Display Panel. Use Photo Captions as file titles *(See Page 8, item 5 for details)*

6. PHOTOGRAPHER'S RELEASE *(See Page 10)*

7. IMAGE OF THE PHOTOGRAPHIC PANEL (PDF)

8. ENTERING FIRM'S LOGO (JPEG)

9. SUPPLEMENTAL REPORT – Category A Submittals

10. THUMB DRIVE OR ELECTRONIC SUBMITTAL

(OneDrive, DropBox, Google Drive, etc.) that is PC compatible. Label the top folder with the firm name, project name, and category. Include each of the following items in the file type indicated, in the order given, and with the titles shown.

11. PHOTOGRAPHIC DISPLAY PANEL *(See page 9 for details)* One 20x20 inch.

Entries will be reviewed to verify that all requirements have been met.

2024 ENGINEERING EXCELLENCE AWARDS OFFICIAL PHASE 1 ENTRY FORM

Furnish all information requested below for each entry Firm, project, and firm's coordinator information should be typed or printed.

A fee of \$150 is required. Email Gerry Brown at grbrown@gci.ent with name of firm, name of project, and category to receive a Paypal invoice.

Phase 1 Entry Information:

Project Name: _____

Entering Firm(s): _____

Client/Owner: _____

CONTACT INFORMATION FOR THE FIRM(S) SUBMITTING THE PROJECT

Entry Coordinator* _____ Title _____

Address (no PO Box) _____ City _____ State _____ Zip _____

Phone _____ Cell _____ Email _____

*Entry coordinator will answer/refer questions about the project and receive Engineering Excellence materials and mailings.

EXECUTIVE SUMMARY

In a separate Word file, provide an executive summary of the project for use in EWeek publicity. The summary shall be 250 words or less.

PHOTOGRAPH AND RELEASE

Provide one high resolution JPEG file of a photographic representative of the project. Have the photographer sign the release on page 6.

Submit the following as attachments to Jeremie Smith at Jeremie.Smith@mbakerintl.com:

- This form (pdf file),
- The Executive Summary (Word file), and
- A high-resolution photograph (JPEG file) with the photographer's signed release (pdf file).

2024 ENGINEERING EXCELLENCE AWARDS PHASE 1 PHOTOGRAPHER RELEASE

DATE: _____

PHOTOGRAPHER: _____

ENTERING FIRM(S): _____

The attached image was produced by the photographer named above for the entering firm.

The following uses will be allowed by this release:

- Publication in the Alaska Business Monthly Engineers Week issue (with appropriate credit).
- Publication in the Alaska Professional Design Council Newsletter, Alaska Designs (with appropriate credit)
- Posts on Anchorage Engineers Week website and social media pages
- Promotional and educational purposes

The entering firm has paid any required licensing fee and no additional fees will be required from Anchorage Engineers Week, Alaska Business Monthly, or the Alaska Professional Design Council.

SIGNATURE: _____

2024 ENGINEERING EXCELLENCE AWARDS OFFICIAL PHASE 2 ENTRY FORM

NOTE: If your firm was responsible for the entire project, then the *Entrant's Portion of the Total Project Construction Budget* should equal the *Total Project Construction Budget*. If your firm was not responsible for the entire project, then the *Entrant's Portion of the Total Project Construction Budget* should be only the amount of the project construction budget for which your firm was responsible. Furnish all information requested below for each entry (signatures from the submitting firm(s) and the client(s)/owner(s) are required). Firm, project, and client/owner's name should be typed or printed as they are to appear on the award.

Entry Information:

Project Name _____

Entering Firm(s) _____

PHASE 2 Entry Information:

ABOUT THE PROJECT

Judge this entry in the following category (*check one*):

- | | |
|--|--|
| <input type="checkbox"/> A – Studies, Research & Consulting Engineering Services | <input type="checkbox"/> F – Water, Waste Water & Storm Water Systems |
| <input type="checkbox"/> B – Building Technology Systems | <input type="checkbox"/> G – Energy |
| <input type="checkbox"/> C – Structural Systems | <input type="checkbox"/> H – Industrial & Manufacturing Processes/Facilities |
| <input type="checkbox"/> D – Environmental | <input type="checkbox"/> I – Special Projects |
| <input type="checkbox"/> E – Transportation | <input type="checkbox"/> J – Small Projects |

Project Location: City _____ State _____ Zip _____

Completion Dates: Scheduled: _____ Actual _____

(NOTE: Budgeted and/or actual costs may not apply to some studies in Category A.)

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

Construction Costs: Total Project Budget \$ _____	Total Project Actual \$ _____
Entrant's Portion of Total Project Budget \$ _____	Entrant's Portion of Total Project Actual _____

Check box if project was awarded through QBS process.

ABOUT THE FIRM(S) SUBMITTING THE PROJECT

I hereby authorize submission of this project into the 2024 Engineering Excellence Awards program. Information presented is true and correct to the best of my knowledge and I authorize the publication of entry materials.

Senior Executive Principal _____ Title _____

→Signature _____ Date _____

Address _____ City _____ State _____ Zip _____

Phone _____ Fax _____ Email _____

ABOUT THE CLIENT/OWNER(S) OF 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 the project in the 2024 Engineering Excellence Awards program, and authorize the publication of its outstanding features, unique aspects, or innovations. I confirm that the project was substantially completed and ready for use between Nov. 1, 2022 and Oct. 31, 2024.

Client/Owner Representative _____ Title _____

→Signature _____ Date _____

Address (no PO Box) _____ City _____ State _____ Zip _____

Phone _____ Fax _____ Email _____

2024 ENGINEERING EXCELLENCE AWARDS PHASE 2 FINAL ENTRY MATERIALS

This section describes all required submission materials for entering the Engineering Excellence Awards program. All materials must be submitted exactly as designated below. Digital files must be PC compatible and appropriate to the information being submitted (Microsoft Word for text, high resolution JPEGs, PDF's, etc.). All materials submitted for judging become the property of the Anchorage Engineers Week and may be used for promotional and educational purposes.

Firms may submit a maximum of three (3) entries. Entry must include the firm name, the project name, and the category in which it should be judged.

If any part of an entry does not meet the requirements listed, that portion of the entry may not be presented for judging. Extraneous material will be discarded prior to judging. No QR codes or embedded links are permitted in any portion of the entry.

1. **OFFICIAL ENTRY FORM** Completed entry form must be signed by the entrant and client/owner (senior executives/officials), stating that the submitted project was substantially completed and ready for use between October 1, 2022 and September 30, 2024.
2. **CLIENT/OWNER LETTER** (one page max) Letter addressed to Alaska Section of the IEEE describing the client/owner as well as the entrant in the development of the project and how it exceeded the client/owner's needs.
3. **EXECUTIVE SUMMARY** (one page max) Overview of project. Describe the problem and solution; project title and entry category must appear at the top of the page. *Specifications: 8.5" x 11" with 1" side margins; double spaced text; 12 pt. minimum size font.*
4. **PROJECT DESCRIPTION** (five pages max) Tell the story of the project. Address items a, b, c, and d listed below; project title; entry category, and page number must appear at the top of each page. *Specifications: 8.5" x 11" with 1" side margins; single spaced text; 12 pt. minimum size font.*

Entrants may use text, photos, graphics, or charts, as needed. Text must include the following:

- a. **ROLE OF ENTRANT FIRM** in the project.
- b. **ROLE OF OTHER CONSULTANTS** participating in the project.
- c. **ENTRANT'S CONTRIBUTION TO THE PROJECT:** A brief description of the entrant's contribution addressing each of the following Rating Guidelines (refer to "**Rating Guideline Definitions**" for detailed rating, judging, and weighing information).
 - **Uniqueness or innovative application if new or existing techniques.**
 - **Future value to the engineering profession and perception by the public.**
 - **Social, economic & sustainable development considerations.**
 - **Complexity**
 - **Successful fulfillment of client/owner needs.**

Include the total project budgeted cost, total project actual cost, entrant's portion of the budgeted cost, entrant's portion of the actual cost, scheduled and actual date of completion (as indicated on the **Official Entry Form**).

- d. **SUMMARY:** Describe why this project is worthy of special recognition. You may want to describe factors that detail the project's uniqueness and complexity, such as innovative engineering, challenges faced, and overall social impact. **NOTE:** This may be used for other publicity purposes, including online and print.

5. **PHOTOS or GRAPHICS** Six different pdf photos or graphics (one per 8.5x11 page) with captions on the face describing the subject matter (refer to "**Photographic Guidelines**" below). Captions shall begin with Photo 1, Photo 2, etc. Include these images on the thumb drive also: *Separate JPEG files for each image or graphic, titled, Photo 1, Photo 2, etc. Images with their respective caption should be color (one per page).*

PHOTOGRAPHIC GUIDELINES

Because the photographs will be projected onto a large screen during the Engineers Week Banquet, it is very important to submit sharp, high-quality, high-resolution images.

Three of the photographs should show the completed project and provide the highest level of visual impact for publicity.

Three of the photographs should display the planning, start-up, and/or construction phases of the project.

6. **PHOTOGRAPHER'S RELEASE:** For each photo under item #5.
7. **IMAGE OF PHOTOGRAPHIC DISPLAY PANEL:** Submit high-quality, high resolution image in PDF.
8. **ENTERING FIRM'S LOGO:** Submit high-quality, high-resolution image such as 300 or 600 dpi JPEG.
9. **SUPPLEMENTAL REPORT:** *Only required for Category A submittals.* Include a supplemental report containing the findings portrayed with text, graphs, or photos, as needed.
10. **THUMB DRIVE OR ELECTRONIC SUBMITTAL (OneDrive, DropBox, Google Drive, etc.)** that is PC compatible. Label the top folder with the firm name, project name, and category. Include each of the following items in the file type indicated, in the order given, and with the titles shown.
 - 01 Official Entry Form (pdf)
 - 02 Client/Owner Letter (pdf)
 - 03 Executive Summary (pdf)
 - 04 Project Description (pdf)
 - 05 Six photos or graphics (pdf & jpeg)
 - 06 Image of Photographic Display Panel (pdf)
 - 07 Firm Logo (jpeg)

11. PHOTOGRAPHIC DISPLAY PANEL

One 20"x20" Refer to "Photographic Display Panels" on Page 9 for detailed information about preparing the display panels.

2024 ENGINEERING EXCELLENCE AWARDS PHOTOGRAPHIC DISPLAY PANELS

Panel text and photos should demonstrate the challenges, solutions, innovation, complexity, and unique aspects of key project elements. The panel should be prepared with the high-quality photos and graphics, with minimal text.

Anchorage Engineers Week requires one photographic display panel, as described below:

1. **PANEL**

20"x20" square, with a matte finish, laminated front and back as follows:

- a) Front lamination thickness: 5 mil
- b) Back lamination thickness: 5 mil
- c) Panel stock thickness before lamination: no more than 7 mils. (This is NOT foamboard)
- d) Total panel (with lamination) thickness: no more than 17 mils.

NOTE: Framed or mounted panels will NOT be accepted.

* Attach four, 9-inch long, strips of Velcro (**the hook side only**) oriented vertically on the back at each corner of your photographic display panel. Display panels will be returned to the entrant.

2. **PHOTOS/GRAPHICS**

Maximum of 6 photos and/or graphics shall be used on the panel. Each image shall be a minimum of 6" x 4" or 24 square inches in area. A background photo is not considered a photograph.

3. **TEXT/FONTS**

Panel text may not exceed 250 words total, not including captions. Font sizes: 24 pt minimum font for text or descriptions; 18 pt. minimum font for captions and graphics.

4. **REQUIRED ELEMENTS**

The front of the panel shall also include the title and location of the project or study, client/owner's name and location, and entering firm's name and location (minimum 24 pt. font size).

5. **CORNER SPACE**

Leave a 1.5"x1.5" space in the upper right-hand corner of the panel that is free of text or images. Do not leave the "blank" space as a white square; the background scheme should continue, but will be partially covered by the review committee's coding label.

6. **BACK OF PANEL LABEL:**

Add a label to the back of the panel with the name of the entrant's firm name, the firm address, the project name, and the entry category, along with 2024 ENGINEERING EXCELLENCE.

2024 ENGINEERING EXCELLENCE AWARDS PHASE 2 PHOTOGRAPHER RELEASE

DATE: _____

PHOTOGRAPHER: _____

ENTERING FIRM(S): _____

The following images were produced by the above-named photographer for the entering firm.

- Photo 1
- Photo 2
- Photo 3
- Photo 4
- Photo 5
- Photo 6

The following uses will be allowed by this release:

- PowerPoint presentation and display at the Engineers Week Banquet
- Posts on Anchorage Engineers Week website and social media pages
- Promotional and educational purposes

The entering firm has paid any required licensing fee and no additional fees will be required from Anchorage Engineers Week, Alaska Business Monthly, or Alaska Professional Design Council.

SIGNATURE: _____

A release is required for each photograph submitted as part of the entry. Provide this release from each photographer whose work will be submitted, even if the photographer is an employee of the entering firm.