

ACEC OF IDAHO

**CALL FOR ENTRIES**

**DEADLINE: DECEMBER 15, 2009**

*2010*

*Engineering Excellence  
Awards Competition*



P.O. Box 8224  
Boise, ID 83707

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# 2010 Idaho Engineering Excellence Awards Competition

Each year the American Council of Engineering Companies (ACEC) of Idaho sponsors the *Idaho Engineering Excellence Awards Competition*. This competition is open to all engineering or surveying firms, whether or not they are a member of ACEC of Idaho. The competition is to give public recognition to those engineering achievements that demonstrate a high degree of merit and ingenuity, and that provide a major contribution to technical, economic, and social advancement.

Please take time to review your projects, or those projects completed by others that you feel are worthy of engineering for this competition. The categories are 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 and energy.

Non-member firms may participate in this competition, which the ACEC of Idaho sponsors and through which entries must be submitted to ACEC for the national competition.

## Achieving National Recognition

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

For more than 42 years, engineering firms have entered their most innovative projects and studies in state and regional competitions conducted by ACEC Member Organizations (MOs). Qualifying firms at the MO level are then eligible to participate in the ACEC national competition.

EEA entries are rated on the basis of: uniqueness and originality; future value to the engineering profession and perception by the public; social, economic, and sustainable development considerations; complexity; and successful fulfillment of client/owner's needs, including schedule and budget.

Engineering Excellence is the cornerstone for enhanced business opportunities. EEA 2010 provides firms with local and national recognition and a platform to showcase their talent and expertise in a dramatic setting. A luncheon will be held on April 13, 2010 to recognize Idaho winners.

ACEC's 2010 Engineering Excellence Awards Gala provides firms with national recognition and a platform to showcase their talent and expertise in a dramatic setting. All National Finalists are recognized, and the top 24 winning projects are highlighted at the annual Gala, the black-tie event known as the 'Academy Awards' of the engineering industry. This event will be held on Tuesday, April 27, 2010, at the Grand Hyatt Hotel in Washington, D.C. More than 500 guests attended the 2009 EEA gala, which included members of Congress, along with international, federal, state and regional officials.

ACEC's 2010 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.

### **CATEGORY A:**

#### **Studies, Research and Consulting**

Non-design services including, but not limited to:

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

*None of the projects entered in Category A can include the preparation of construction documents.*

### **CATEGORY B: Building/Technology Systems**

- ◆ Mechanical/Electrical/Plumbing
- ◆ Computer/Technology
- ◆ Communications
- ◆ Acoustics
- ◆ Software Systems
- ◆ Sustainability or Carbon Neutrality
- ◆ Efficiency Certification Standards, e.g. LEED

### **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, Photogrammetry

### **CATEGORY E: Environmental**

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

*Continued*

# 2010 Idaho Engineering Excellence Competition

**ELIGIBILITY:** Any engineering or surveying firm is eligible to enter the awards program, whether or not that firm is an ACEC of Idaho member.

## **GENERAL CRITERIA:**

1. Both member and non-member firm entries must be submitted by December 15th to ACEC of Idaho to be eligible for the ACEC national competition.

Projects entered in this competition must have been “**designed**” in **Idaho**. Research and Studies (*Category A*) or Surveying and Mapping (*Category D*) must have been publicly disclosed by the client between November 1, 2007 and October 31, 2009. Construction of projects (Categories B through K – with the exception of D) must have been **substantially completed and ready for use between November 1, 2007 and October 31, 2009**.

The entering firm must select the one category which is most appropriate. A project may be entered only once in any category. However, after a project entered in Category A has been constructed, it may be entered in a different category – B through K – in the year when eligible.

Each entry must consist of three components:

- I. Official entry notebook
- II. Envelope containing submission materials
- III. Photographic display panel (see *Preparing Your Entry for the 2010 Engineering Excellence Awards*).

Non-compliance with the rules may disqualify an entry. Please read the requirements thoroughly.

ACEC of Idaho/ACEC will not be responsible for any damage or loss to entrant’s official entry notebook, envelope, electronic media, supplementary report, or photographic display panel.

The ACEC of Idaho Engineering Excellence Awards committee reserves the right to determine the eligibility and category classification for all entries.

**ACEC of Idaho Awards:** A Grand Concept Award may come from any of the categories, and will be presented to the top winner. Honor Awards may be presented to other selected entries of superior quality. The top projects in the other categories may, upon the judges’ discretion, be designated as Grand Awards, in lieu of Honor Awards.

If the judges determine that no entry merits singling out within a category, all awards in that category will be Honor Awards. Firms submitting the winning entries will receive awards. Firms wanting awards for owners/clients and other participants on the winning design team may order duplicate awards at their expense. ACEC of Idaho Engineering Excellence awards will be presented at ACEC of Idaho’s EEA Luncheon April 13, 2010.

State winners may proceed to the ACEC National Competition (see additional requirements for ACEC).

## **CATEGORY G: Water Resources**

- ◆ Hydraulics, Hydrology
- ◆ Irrigation
- ◆ Flood Control, Dams
- ◆ Storm Water Management
- ◆ Erosion Control
- ◆ Recreational Facilities

## **CATEGORY H: Transportation**

- ◆ Highways
- ◆ Railroads
- ◆ Airports
- ◆ Marine/Ports
- ◆ Public Transit
- ◆ Intermodal Facilities
- ◆ Inland Water Navigation

## **CATEGORY I: Special Projects**

- ◆ Safety and Security
- ◆ Industrial Processes/Materials Handling
- ◆ Corrosion Protection
- ◆ Mining, Metallurgy, Mineralogy
- ◆ Safety and Security
- ◆ Program and Construction Management
- ◆ Land Development

## **CATEGORY J: Small Projects**

- ◆ Total project construction budget does not exceed \$1 million
- ◆ Projects under \$1 million are not limited to small projects category—excluding Category A, at the entrant’s discretion.

## **CATEGORY K: Energy**

- ◆ Transmission and Distribution
- ◆ Power Generation
- ◆ Renewable Energy
- ◆ Cogeneration
- ◆ Energy Storage Technologies
- ◆ Energy Efficiency—New and Retrofit
- ◆ Energy Usage Reduction Programs
- ◆ Demand Side Management

## Rating Guidelines for Judging

1. Original or Innovative Application of New or Existing Techniques.....	20%
2. Future Value to the Engineering Profession and Perception by the Public.....	20%
3. Social, Economic, and Sustainable Design Considerations.....	20%
4. Complexity.....	20%
5. Exceeding Client/Owner Needs.....	20%
<b>Total</b> .....	100%

## Rating Guideline Definitions

- 1. Original or Innovative Application of New or Existing Techniques:**
  - ◆ Does the entry demonstrate the use of new science or breakthrough in the general knowledge of engineering?
  - ◆ Does the entry represent a unique application of different technology techniques, materials, or equipment?
- 2. Future Value to the Engineering Profession:**
  - ◆ Will the entry redefine current engineering thinking?
  - ◆ 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-the-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?
  - ◆ Is it an economical and cost-effective solution?
  - ◆ How did the final cost to the original budget relate 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?

### PREPARING YOUR ENTRY

This section describes all required submission materials for entering the 2010 ACEC of Idaho EEA Competition. 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, JPEGs for photos or other images, Adobe PDFs, etc.)

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

**Extraneous material will be discarded.** *No reference to other awards should be included in submitted materials.*

### SUBMISSION REQUIREMENTS

The following **three main components must be submitted** with the ACEC of Idaho EEA competition entry:

- I. Official Entry Notebook (with entry fee attached)**
- II. Envelope containing submission materials**
- III. Photographic Display Panel**

## **I. OFFICIAL ENTRY NOTEBOOK**

(black, 3-ring, 1/2" binder)

**Notebook must include ONE COPY of the following** (these originals are in addition to those that must be included in the Envelope)

1. **Official entry form** (with entry fee attached)
2. **Signed letter from client/owner**
3. **Executive summary**
4. **Project description**
5. **Six different photos or graphics** (w/ captions and labeled: Photo 1, Photo 2, etc.)
6. **Photographic Display Panel** (small version)
7. **CD-ROM**
8. **Supplemental Report**— mandatory for Category A only (*insert inside back cover or separately if too large*)
9. **Entry Fee** (\$125 for ACEC of Idaho Members and \$250 for non-ACEC of Idaho Members **must be attached to the Official Entry Form** in Notebook).

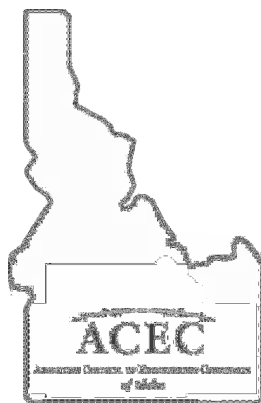
## **II. ENVELOPE** Containing Submission Materials

The envelope must have a label affixed to the outside, which indicates **the firm name, the project name, and the category** in which it shall be judged. **The envelope must be large enough to contain originals and copies as indicated below:**

1. Three copies of a completed **Official Entry Form**. The engineer or surveyor and client/owner **must sign the original official entry forms**, stating that the submitted project was substantially completed and ready for use between November 1, 2007 and October 31, 2009.
2. Three copies of a one-page signed **Client/Owner letter**, addressed to ACEC of Idaho describing the relationship the client/owner had with the entrant in development of the project and how it exceeded the client/owner needs.
3. Three copies of an **Executive Summary**- one page - 8.5" x 11" with 1" side margins; **minimum 12 pt. type**, double-spaced - describing the problem and solution. Project title and entry category must appear at the top of the page.
4. Three compiled copies of a **Project Description**, not to exceed five pages - 8.5" x 11" with 1" side margins - addressing a, b, c, and d as listed below. Project title, category, and page number must appear at the top of each page. Entrant may use text (**minimum 12 pt.**), photos, graphs, etc.
  - a) Role of the 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 rating guidelines:
    - Original or innovative application of new or existing techniques
    - Future value to the engineering profession
    - Social, economic and sustainable design considerations
    - Complexity
    - Exceeding owner/client needs. Include 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 information from the **official entry form**
  - d) Describe in at least 100 words, and in layman's terms, why this project is worthy of special recognition. Explain all the factors that comprise the project's uniqueness such as innovative engineering, challenges faced, and overall social impact. **Note: This description will provide the basis for all ACEC publicity on the project.**
5. Three compiled copies of the key participants on the project. Provide firm name, address, phone number, website and email address of each participant. Key participants should include contractors, subcontractors, other engineers, architects and other designers involved in the project.
6. Three copies each of six different photos or graphics (18 total) of high quality 8" x 10" printed from digital files. All photographs or graphics must have captions (describe what the photo or graphic illustrates) on the back and labeled: Photo 1, Photo 2, etc. (include on CD-ROM: the required photos or graphics must be prepared as JPEGs, RGB, 300 dpi, sized to 7.5" x 10"; captions do not need to be included in the CD-ROM).

## Photographic Guidelines

- a) Photographs will be projected on a large screen during award presentation. Therefore, it is extremely important to submit high-quality, high-resolution images.
  - b) Three of the photographs must be of the completed project and provide the highest level of visual impact for publicity.
  - c) Three of the photographs should display the planning, start-up, and/or construction phases of the project.
7. Forty-five copies of the photographic display panel (guidelines below) - sized to 8" x 8" color photographs or to 8.5 x 11' high quality color laser prints (include CD-ROM as Adobe PDF, 600 dpi, sized to 8"x8").— **(National application only)**
  8. **E-Mail Addresses** of local newspapers, TV stations, and radio stations in Excel format . If the MO or the entrant intends to handle all local and national publicity for the project, include a statement to this effect. **(National application only)**
  9. Eleven compiled copies of a press release (up to two pages, double-spaced) clearly and concisely describing the project and the entrant's participation, reflecting on factors listed in point #4. In addition, point out the value of the project to the community, identify the number of people served, cost savings, etc. No reference to other awards should be included in the submitted materials. **(National application only)**
  10. One copy of the CD-ROM must also be included in the envelope. CD-ROMS must be properly labeled to indicate the firm name, the project name, and the category. Be sure to test your CDs on different computers to ensure they are not machine dependant. The CD-ROMs must be read-only (CD-R) and should include the following items in order and titled as shown:
    - 01 Six photos or graphics
    - 02 Photographic display panel (small version)
    - 03 Media List in Excel format
    - 04 PowerPoint file with total of eight slides including a title slide with the name of the project followed by Photos 1-6 and the small version of the photographic display panel. This PowerPoint file will support the presentation of your project to the judges. No sound or animation is permitted. No preset timing or slide show sequencing should be embedded. A sample PowerPoint presentation is downloadable from the ACEC National EEA website. **(National application only).**
  11. One copy of the **supplementary report** containing the findings portrayed with graphs, drawings, etc. *(mandatory for Category A entries only)*



# 2010 Call for Entries

### III. PHOTOGRAPH DISPLAY PANEL

Panel text and photos should demonstrate the challenges, solutions, and innovative uniqueness of the key project elements. The panel should be prepared with **high-quality photos and graphics, with minimal text** (250 words maximum)

**The photographic panel should meet the following requirements:**

1. Panel shall be 30" x 30" square display material, which has a matte finish and laminated over the front and back as follows:
  - a) front lamination is 5 mil;
  - b) back lamination is 5 mil; and
  - c) panel is no more than 5-6 mil for a total of 15-16 mil in thicknessFramed or mounted panels will NOT be accepted.
2. Four, 9-inch long strips of Velcro (the hook side only) must be placed on the back of the panel, at the top and bottom near each corner of the panel
3. Maximum of six photos and/or graphics shall be used on the panel. Each image should be a minimum 7" x 5" or 35 sq. in. A background photo is not considered a photograph.
4. Minimum 32 pt. type size for text or descriptions and a minimum 28 pt. type for captions and graphics.
5. ACEC of Idaho Logo (downloaded from ACEC website), title and location of the study or project, client/owner's name and location, and entering firm's name and location (minimum 32 pt. type) shall be indicated on the front of **the panel**.
6. Leave 2" x 2" space in the upper right-hand corner of the panel that is free of text or images but carries the panel's background scheme through this space. This blank space should not be left as a white square. This space will be used for the national ACEC judging coding so any words or graphics in this area will be hidden once the panel is coded.
7. The firm name, the firm address, the project name, and the category shall be indicated **on the back of the panel**.

**Official Entry Form Comments:** 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 you firm was not responsible for the entire project, then the Entrant's Portion of the Total Project Construction Budget should be the amount of the project construction budget your firm was responsible for. This information is about project costs, not firm fees.

### Shipping of Notebooks and Panels

1. All panels must be shipped in a mailing tube.
2. All materials should be addressed or delivered to:

ACEC of Idaho  
5420 W. Franklin Rd., Ste. B  
Boise, ID 83705



**All items must be received  
no later than December 15, 2009.**

*NATIONAL ACEC Deadline is January 8, 2010.*

*Additional Notebook Requirements ONLY if applying to ACEC National Competition (See national application form—available at ACEC of Idaho office)*

*(Please call the ACEC of Idaho office for official ACEC requirements)*

# OFFICIAL ENTRY FORM

Furnish all information requested below for each entry (both signatures required). Firm, project, and client/owner's name should be typed or printed as they are to appear on the award. Please limit the project name to 45 characters. A fee of \$125 per entry for ACEC of Idaho Members (\$250 for non-members) **must be attached** to the copy of this form included in the Official Entry Notebook. **Please make checks payable to ACEC of Idaho.**

## ABOUT THE PROJECT

Project Name \_\_\_\_\_

Judge this Entry in the Following Category (check one):

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

Project Location: City \_\_\_\_\_ State \_\_\_\_\_

U.S. Congressional Representative's name in district where entering firm is located \_\_\_\_\_

U.S. Congressional Representative's name in district where project is located \_\_\_\_\_

Member Organization Sponsoring Entry ACEC of Idaho

(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: Total Project Budget \$ \_\_\_\_\_ Total Project Actual \$ \_\_\_\_\_

Entrant's portion of the Total Project Budget \$ \_\_\_\_\_ Entrant's portion of Total Project Actual \$ \_\_\_\_\_

Check here if project was awarded through QBS process.

## ABOUT THE FIRM(S) SUBMITTING THE PROJECT

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

Firm CEO \_\_\_\_\_

Firm Representative \_\_\_\_\_

Address (no P.O. Box) \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

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

E-mail \_\_\_\_\_

I hereby authorize submission of this project into American Council of Engineering Companies' 2010 Engineering Excellence Awards competition.

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

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

Address (no P.O. Box) \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

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

E-mail \_\_\_\_\_

## 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 this project in the ACEC 2010 Engineering Excellence Awards competition, and authorize publications of its outstanding features, unique aspects, or innovations. I confirm that the project was substantially completed and ready for use between November 1, 2007 and October 31, 2009.*

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

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

Address (no P.O. Box) \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

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

E-mail \_\_\_\_\_