

# ACEC *Indiana*

## 2011 Engineering Excellence Awards Call for Entries



**2010 Grand Project Award Winner**  
**Keystone Parkway, 106th Street & 126th Street Interchanges**  
**American Structurepoint**

**Banquet featuring Reid Duffy**  
**Indiana author and media personality**  
**back by popular demand!**  
**March 5, 2011**  
**Marriott Indianapolis North**

# ELIGIBILITY

Any firm engaged in the private practice of consulting engineering or surveying in the state of Indiana is eligible to enter the awards program whether or not the firm is an ACEC Indiana member.

## GENERAL CRITERIA

1. Projects may have been executed anywhere in the world. Research and Studies (Category A) or Surveying and Mapping projects (Category D) must have been publicly disclosed by the client between Nov. 1, 2008 and Oct. 31, 2010. Construction of projects (Categories B through L—with the exception of D) must have been substantially completed and ready for use between Nov. 1, 2008 and Oct. 31, 2010.

2. A firm may submit a maximum of four project entries.

## UPDATED format for the 2011 Engineering Excellence Awards

The following changes will take effect with the 2010 program:

- All projects entered will be considered "State Finalist".
- From the Finalists entries, Merit and Honor awards will be given. From the Honor awards, one Grand Project Award will be given.

All entries will be judged based the same criteria and eligibility as in the past.

**Entry fees shall be submitted at the same time as the entry form, binder and materials (if applicable) by Nov. 3, 2010 at noon.**

## ENTRY CRITERIA

**1. ENTRY DEADLINE** - Entry form, fee, binder and materials must be received at the ACEC Indiana office by Nov. 3, 2010, at noon.

**2. FEE** - \$325 entry fee per project for ACEC IN members; \$700 entry fee per project for non-members. Submitted to ACEC Indiana with entry form, binder and materials. Please make checks payable to ACEC Indiana.

**3. ADDRESS** - ACEC Indiana  
55 Monument Circle, Ste. 819  
Indianapolis, IN 46204

**4. JUDGES DECISION IS FINAL** Entries will be judged on the basis of total engineering excellence. Entries will also be judged on the basis of the work performed by the entering firm only and according to the rating guidelines listed.

## HOW TO SUBMIT AN ENTRY

**For each project, prepare a three-ring, 1" binder with the project and company names and project photo displayed in the binder's front window and the name on the spine. Include the following items:**

**1. ACEC INDIANA ENTRY FORM** - Entry form found in this document.

**2. LETTER FROM OWNER/ CLIENT** Endorsement or release letter from both the client and owner, if different. Suggested words: "As owner/client, I am (we are) satisfied with the work of (the consulting engineer) and hereby grant permission to enter this project in the ACEC Indiana and ACEC 2011 Engineering Excellence Awards Competition and authorize publication of any features or innovations. I (we) further certify that the project was substantially complete and ready for use between Nov. 1, 2008 and Oct. 31, 2010."

**3. ADDRESS THE FOLLOWING THREE ITEMS IN A COMPOSITION NOT TO EXCEED 1500 WORDS TOTAL** (a, b and c inclusive):

1. Role of the entrant's firm in the project.
2. Role of other consultants participating in the project.
3. Brief description of the entrant's contribution to the project, addressing each of the following; (see definitions)

- Originality or innovative application of new or existing techniques
- Future value to the engineering profession and perception by public
- Social, economic, and sustainable design considerations
- Complexity
- Exceeding client/owner needs.

**4. PHOTOGRAPHS** - Include up to nine black and white or color 8x10 glossy photographs to compliment written description.

**5. CD** - Include up to two high-resolution jpeg images (300 dpi or higher) and a brief description of 100-120 words maximum of the project to be used for the presentation and printed program during the awards ceremony. Place labeled CD in a secure plastic sleeve on last page of binder (to ensure CD will not slip out).

## RESEARCH OR CONSULTING SERVICES

Entries in Category A must be accompanied by a supplementary REPORT containing findings, graphs, drawings and other material as applicable.

## AWARDS

- Grand Project Award will be selected from the eligible Honor Award recipients.
- Honor Awards will be given at the recommendation of the judges.
- Merit Awards are given to those projects worthy of recognition.
- All project submissions receive a State Finalist acknowledgement.

Award Plaques will be presented to the firm and owner/client at the Annual Awards Banquet. Additional plaques may be ordered at the winner's expense.

The Grand Project and Honor Awards are eligible for entry in the ACEC National Competition. ACEC National rules may differ slightly from ACEC Indiana rules, visit: <http://www.acec.org/awards/callforentries.pdf>.

# DATES TO REMEMBER

**Nov. 3, 2010, NOON**

*Submit entry material and fee*

**Jan. 7, 2011**

*Entries due to ACEC National*

**Feb. 4-6, 2011**

*ACEC National judging*

**March 5, 2011**

*ACEC Indiana Awards Banquet, Marriott Indianapolis North*

**April 1, 2011**

*ACEC National Awards Ceremony, Washington, D.C.*



## RATING GUIDELINES FOR JUDGING

|      |   |
|------|---|
| 20%  | Original or innovative application of new or existing techniques        |
| 20%  | Future value to the engineering profession and perception by the public |
| 20%  | Social, economic and sustainable design considerations                  |
| 20%  | Complexity  |
| 20%  | Exceeding owner/client needs  |
| 100% | <b>TOTAL</b>  |

## DEFINITION OF RATING GUIDELINES

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

- Does the entry demonstrate the use of a new science or break-through 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 and perception by the public:

- 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?
- Is public health, safety, or welfare significantly improved as a result of the entrant's, and/or affected environment's, contribution to the project?

### 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. Meeting and exceeding owner's/client's needs:

- Did the engineer or entrant successfully engage the owner/client in the overall project development process?
- Is it an economical 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 owner/client?
- Did the entrant meet the client's time schedule?

## Category Descriptions

*Required for ACEC National submissions*

### CATEGORY A:

#### Studies, Research and Consulting

Non-design services, projects not involving the preparation of construction documents

- New products, materials and technologies
- Expert testimony
- Basic research and studies
- Computer/software technology
- Technical Papers
- Public Outreach/Involvement
- Water conservation
- Security plans
- Project feasibility, economic, or risk studies
- 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
- Seismic design
- Towers
- Bridges
- Stadiums

### 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/ remediation
- Air quality
- Noise
- Recycling
- Waste pond management
- Carbon sequestration and trading
- Mitigation

### CATEGORY F:

#### Water and Storm Water

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

### CATEGORY G:

#### Water Resources

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

### CATEGORY H:

#### Transportation

- Highways
- Rail
- Airports
- Marine/ports
- Public transit
- Intermodal facilities

### CATEGORY I:

#### Special Projects

- Safety and security
- Corrosion protection/ cathodic protection
- Program and construction management
- Land development
- Trenchless technologies
- Recreational facilities
- Subsurface engineering

### 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 and mineralogy

# 2011 ACEC INDIANA ENGINEERING EXCELLENCE AWARDS ENTRY FORM

**ENTRY DEADLINE: NOV. 3, 2010 by NOON**

Please furnish all information requested below for each entry. **FIRM NAME, PROJECT NAME AND OWNER/CLIENT NAMES SHOULD BE SHOWN, AS THEY ARE TO APPEAR ON THE AWARD, IF RECEIVED.** If a post office box address is given, a street address should also be given.

**Project Name— this is the final name, and will be used in all future publications** (limit 60 characters)

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**Please check appropriate category of services for national competition:**

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

Check box if project was awarded through QBS process

\* **Firm Name(s):** \_\_\_\_\_  
(If joint venture between two or more engineering firms, list for award and recognition purposes only. Give the complete address of each.)

\* **Name and title of contact within firm:** \_\_\_\_\_

E-mail address: \_\_\_\_\_

Telephone #: \_\_\_\_\_

Address (city, state, zip): \_\_\_\_\_

**Owner's Name:** \_\_\_\_\_

Address (city, state, zip): \_\_\_\_\_

**Client Name** (if different from owner): \_\_\_\_\_

Address (city, state, zip): \_\_\_\_\_

**Names and locations of other consultants/architects you wish to acknowledge:**  
\_\_\_\_\_  
\_\_\_\_\_

PLEASE COMPLETE THE FOLLOWING FOR ALL CATEGORIES (This may not apply to some studies in CATEGORY A):

Budgeted cost of that portion of project designed by entrant: \_\_\_\_\_

Actual cost of that portion of project designed by entrant: \_\_\_\_\_

Scheduled date of completion: \_\_\_\_\_ Actual date of completion/use: \_\_\_\_\_

## Entry Check List

*For your use when reviewing binder prior to submission*

- ACEC Indiana entry form
- Letter from owner/ client
- Composition (no more than 1,500 words)
- Photographs (up to nine)
- Compact disc
  - ◆ Project description (does not exceed 100-120 words; for use in the program and to be read at the EEA Banquet on March 5, 2011)
  - ◆ Two photographs for the program and PowerPoint presentation
- Entry Fee (\$325/ members, \$700/ nonmembers)

**ENTRY DEADLINE: NOV. 3, 2010 by NOON**

FORWARD ENTRY MATERIAL TO:

ACEC Indiana  
55 Monument Circle, Suite 819  
Indianapolis, IN 46204  
(317) 637-3563

For ACEC IN Office Use Only

Entry Fee: \_\_\_\_\_

Award Received: \_\_\_\_\_