

Call For Entries

# 2010

*American Concrete Pavement Association*  
**Colorado / Wyoming Chapter**  
**Pavement Awards Program**  
*Excellence in Concrete Pavement*

*For projects completed in 2009*

*Sponsored by:*  
*The Colorado/Wyoming Chapter of*  
*The American Concrete Pavement Association*

**Deadline for entries is January 29, 2010**



# General Information and Nomination Instructions

## ***Awards Program Description***

The Colorado/Wyoming ACPA Pavement Awards for Excellence program is designed to honor quality concrete pavements constructed in the Colorado and Wyoming each year. The awards program recognizes contractors, engineers, and project owners who completed outstanding projects in 2009. Information on past award winners is available at the CO/WY ACPA Office.

## ***Nomination Eligibility***

Projects are only eligible if:

- They are submitted to ACPA on or prior to the submission deadline. Packages must be received or postmarked by January 29, 2010 **(no exceptions)**.
- All sections of the nomination form are completed. (Note: submitters may elect to denote any sections as “not applicable”).
- They were completed in calendar year 2009.
- The project has not won a local award in a previous year in the same category in which they are being submitted.
- They are concrete pavement projects constructed in Colorado or Wyoming.

## ***Promotional Consideration***

By submitting a project for consideration, you authorize ACPA, and its agents to use information and illustrations for promotional and publicity purposes.

## ***Presentation of Paving Awards***

Awards will be presented during a lunch ceremony at the CO/WY ACPA 2010 Concrete Pavement Workshop:  
**Wednesday, March 17, 2010**  
**Location:**  
**The Wildlife Experience**  
**10035 S. Peoria Street (Great Hall)**  
**Parker, Colorado**

## ***Project Submittals***

The nomination form represents the minimum requirements for submitting a project in the pavement awards program. Please include any additional information you feel the review panel would need to evaluate your project. Do not submit plan sheets, copies of specifications, or profilograph tracings. Nomination forms must be fully completed to be considered for an award. If requested information does not apply to your specific project, please indicate that in the submittal. When completing the nomination submittal, please be specific.

*Note: The best submittals are between 15 and 35 pages and contain between 8 and 15 high quality photographs. (See photography requirements on page 2).*

## ***Nomination Submittal Instructions***

Each nomination should be submitted in a small (1/2 to 1 inch) three-ring binder and should contain sections that address each of the project rating criteria. In addition, one standard black/white xerox copy of the filled-in nomination form should also be submitted. The attached form outlines the minimum information required for evaluation, and the submitter may use it if desired. Likewise, submitters may develop their own format, as long as all information outlined in the nomination form is included. The nomination form can be downloaded from ACPA's web site in Adobe Acrobat (PDF) and Microsoft Word formats.

**Submit form postmarked by January 29, 2010 to:**  
**CO/WY ACPA**  
**2010 Awards**  
**6855 South Havana, Suite 540**  
**Centennial, Colorado 80112**  
**(Contact: Ron or Barbara 303-297-1789)**

**Deadline for entries is January 29, 2010**



### **Project Photographs**

Two sets of project photographs are required with each submittal; they should capture the unique aspects of construction, and show the finished project under traffic. High quality photographs are a very important part of the submission and subsequent activities. The requirements for photographs are:

- Photographs must be 5x7 inches (minimum) or 8x10 inches (maximum) with a glossy finish (slides, videos, and xerox copies are not acceptable).
- Electronic cameras and color laser prints may be used, but are not recommended. If they are used, the image must have a minimum measurement of 5x7 inches and have a minimum resolution of 600 dpi. Two clearly labeled Zip disks or CDs with the images clearly identified must be included with each submittal.
- Images must be sharp and have good contrast (do not submit out of focus images).
- Either horizontal or vertical format is acceptable for photographs.

One photograph from a winning project will be chosen for the cover of the December issue of *Concrete Construction* magazine. We recommend that each submittal have at least one photo worthy of a cover. Requirements for the cover photos are:

- Must be vertical format.
- There must be a blank space or area of little interest (like sky) at the top so that the magazine masthead (name) can be inserted.
- There should be extra space either on the right side or at the bottom of the page for text describing the magazine contents.
- There should be some action going on that draws the eye to the picture.
- Overhead/birds-eye-view shots often make excellent cover photos.

### **Helpful Hints**

- Because images must be sharp and have good contrast, they must be taken with good quality cameras and equipment (i.e. 35mm). Do not use cheap cameras with plastic lenses or Polaroid cameras.

- Polarizing filters are recommended because they reduce glare and give the appearance of richer color. It also helps to add one stop to the exposure to improve color saturation.
- Be aware of where the light is. Morning shots (before 10:00 a.m.) or late afternoon (1 to 2 hours before sunset) are the best times for light quality.
- Include some type of action in the photos. Oftentimes this means workers doing something in the photo, or the roadway being used by traffic.
- If a photo is taken of a distant object, there should be something of interest in the foreground. This creates the perception of depth and enhances detail.

### **Judging and Project Review Criteria**

A panel of industry professionals representing contractors, DOT engineers, FHWA, FAA, military, municipal agencies, consultants, and other industry organizations will judge the entries. The criteria for judging and points available for each are:

- Executive Summary (10 pts)
- Project Schedule and Scope (5 pts)
- Paving Process/Smoothness (25 pts)
- Safety and Quality (20 pts)
- Innovation (15 pts)
- Traffic Management (15 pts)
- Public Relations (5 pts)
- Judge's Perceptions (5 pts)

*Note: The judging panel reviews the nominations and awards points based only on the information provided in the nomination package. As such, every effort should be made to make the information as clear as possible.*

## **Project Categories**

### **Divided Highways (Urban)**

Interstate, tollway, and divided trunk highway projects of considerable size. This category includes mainline paving on divided highways, interstates and tollways constructed in urban areas with the majority of the project located within Metropolitan Planning Organization (MPO) boundaries.

### **Divided Highways (Rural)**

Interstate, tollway and divided trunk highway projects of considerable size. This category includes mainline paving on divided highways, interstates and tollways constructed in rural areas with the majority of the projects located outside the Metropolitan Planning Organization (MPO) boundaries.

### **State Roads**

Undivided two-lane and multi-lane rural highways. This category includes projects on state and U.S. routes that use strategies similar to the Divided Highways category.



### ***County Roads***

Rural low-volume roads, usually two-lane that do not have curb and gutter.

### ***Municipal Streets & Intersections (<30,000 SY)***

Projects that have curb & gutter, are within city or village limits, and are less than 30,000 square yards in size.

### ***Municipal Streets & Intersections (>30,000 SY)***

Projects that have curb & gutter, are within city or village limits, and are greater than 30,000 square yards in size.

### ***Urban Arterials & Collectors***

Major projects that are part of a metropolitan highway system that provide links between highways, interstates or tollways.

### ***Commercial Service & Military Airports***

A commercial service airport is a public airport that enplanes 2,500 or more passengers annually and receives scheduled passenger service. Military airports are any active military facility used to operate aircraft.

### ***Reliever and General Aviation Airports***

An airport that has been designated to relieve congestion at large commercial service airports and provide alternative general aviation access to the overall community. A general aviation airport is an airport that remains after exclusion of the commercial service and reliever airport categories. If a project at a commercial service airport is for general aviation use only, the project is eligible for consideration in this category.

### ***Concrete Pavement Restoration (CPR)***

Includes all contracted restoration projects utilizing any combination of full- and partial-depth repairs, joint and crack resealing, dowel bar retrofit, slab stabilization, cross stitching, retrofit PCC shoulders, retrofit edge drains, and grooving, and subsequently has had smoothness restored using diamond grinding, on all types of facilities in the other categories. (Note: Projects that contain sections of more

than 1,500 feet of a single continuous-pour lane replacement are not considered CPR projects. Please submit such projects in one of the other categories.)

### ***Concrete Overlay***

This award recognizes a project based on its innovative use of concrete overlays and includes any type of concrete overlay (bonded overlay, unbonded overlay, conventional whitetopping, and ultra-thin whitetopping) on an existing pavement.

### ***Industrial Paving***

This pavement award recognizes a project(s) for design and construction of concrete pavement for trucking facilities, distribution centers, warehouse, truck parking facilities, truck stops, rest areas and other areas where trucks are the primary vehicles. Also, projects constructed for specialized cargo handling equipment such as: ports, rail yards, and other facilities functioning as a point of distribution of goods.

### ***Traffic Management***

This award recognizes the use of innovative traffic management techniques in all categories, and is not mutually exclusive of the other 11 categories. There is no need to submit an extra nomination package for this category. All projects will automatically be considered.

### ***Sustainable Pavements (local only)***

We recognize and emphasize that the most sustainable pavement is one that lasts the longest with minimal long-term maintenance. This award recognizes the beneficial use or reuse of materials in concrete paving to lower the impact on the environment. Sustainable construction practices might include: cementitious materials that lower the carbon footprint or the concrete pavement, use of recycled aggregates in the concrete or base to minimize the use of virgin aggregates, and/or emphasizing the use of local materials to minimize the impacts of transportation.

## ***Project Category***

Check the box for which this project is being submitted for (check one only):\*

- |   |   |
|---|---|
| <input type="checkbox"/> Divided Highways (Urban)                       | <input type="checkbox"/> Commercial Service & Military Airports |
| <input type="checkbox"/> Divided Highways (Rural)                       | <input type="checkbox"/> Reliever and General Aviation Airports |
| <input type="checkbox"/> County Roads                                   | <input type="checkbox"/> Concrete Pavement Restoration (CPR)    |
| <input type="checkbox"/> State Roads                                    | <input type="checkbox"/> Concrete Overlays                      |
| <input type="checkbox"/> Municipal Streets & Intersections (<30,000 SY) | <input type="checkbox"/> Industrial Paving                      |
| <input type="checkbox"/> Municipal Streets & Intersections (>30,000 SY) | <input type="checkbox"/> Traffic Management                     |
| <input type="checkbox"/> Urban Arterials & Collectors                   | <input type="checkbox"/> Sustainable Pavements (local only)     |

\* Note: All projects are automatically considered for the Traffic Management category.

## ***Basic Project Information and Description***

Project Title: \_\_\_\_\_

Location (City or County): \_\_\_\_\_ State: \_\_\_\_\_

Local ACPA Chapter: \_\_\_\_\_

All ACPA Member Companies/Representatives with involvement in the project: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

## ***Local Concrete Pavement Awards Programs***

Did this project have an opportunity to participate in a local concrete paving awards program?.....  Yes  No

If yes, in which Local ACPA Chapter did it compete? \_\_\_\_\_

What category? \_\_\_\_\_

Was this project local awards program winner? .....  Yes  No

Was this project local awards program finalist? .....  Yes  No

## Executive Summary (10 pts)

The Executive Summary is a one-page description that highlights the unique aspects of your project. It should be focused and should indicate why your project is an award winning project. This summary is submitted to the members of the review panel before the judging meeting. If the summary is longer than one page, it will not be submitted for review until the judging panel convenes.

## Project Schedule and Scope (5 pts)

As a minimum, indicate the following:

	Start Date		Completion Date	
	Scheduled	Actual	Scheduled	Actual
Entire Project	_____	_____	_____	_____
Concrete Pavement Construction	_____	_____	_____	_____

Please describe any unusual circumstances that made it challenging to complete this project in the allotted time:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Project Item	Total	Project Item	Total
Total Project Cost	\$ _____	Total SY of Concrete Pavement	_____
Total Concrete Pavement Cost	\$ _____	Total Lane Miles	_____

### Pavement Type

- Jointed Plain
- Jointed Reinforced
- Continuously Reinforced

Joint Spacing \_\_\_\_\_

### Pavement Description

Thickness \_\_\_\_\_

Subbase/Subgrade \_\_\_\_\_

Surface Texture Type \_\_\_\_\_

### Concrete Shoulders

- Yes  No

### Concrete Curb

- Yes  No

### Dowels

- Yes  No

Other \_\_\_\_\_

**Project Safety** (Measures Taken)

Jobsite

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Public

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## Paving Process/Smoothness (25 pts)

### Paving Process / Smoothness (to be used for all categories except CPR, see page 8 for CPR projects)

Describe the concrete paving process used to assure / achieve a quality concrete pavement. Please be specific in responding to each process listed below and discuss in detail the steps taken to ensure quality:

Base preparation: \_\_\_\_\_

\_\_\_\_\_

Stringline: \_\_\_\_\_

\_\_\_\_\_

Concrete placement techniques: \_\_\_\_\_

\_\_\_\_\_

Concrete batching and hauling techniques: \_\_\_\_\_

\_\_\_\_\_

Additional / special steps taken in construction: \_\_\_\_\_

\_\_\_\_\_

Smoothness Measurement Device: \_\_\_\_\_

Smoothness Specification Criteria (Maximum Profile Index, Blanking Band, Must Grind Areas, Incentive Programs, etc.): \_\_\_\_\_

\_\_\_\_\_

Average "smoothness" before corrective measures: \_\_\_\_\_

Were corrective measures taken to bring pavement within specified smoothness tolerances? .....  Yes  No

If yes, average profile index after corrective measures: \_\_\_\_\_

Was an incentive offered for smoothness? .....  Yes  No

If yes, what percentage of the total available incentive was achieved? \_\_\_\_\_

What specific detailed steps were taken to achieve and maintain pavement smoothness? \_\_\_\_\_

\_\_\_\_\_

## Paving Process / Smoothness

(for Concrete Pavement Restoration projects only)

What CPR activities were included in this project and what were the quantities of each item?

Project Item	Total	Project Item	Total
<input type="checkbox"/> Full-depth repairs (number)	_____	<input type="checkbox"/> Cross-stitching (number or length)	_____
<input type="checkbox"/> Partial-depth repairs (number)	_____	<input type="checkbox"/> Retrofit PCC shoulders (length)	_____
<input type="checkbox"/> Joint/crack resealing (lineal feet)	_____	<input type="checkbox"/> Retrofit edge drains (length)	_____
<input type="checkbox"/> Dowel bar retrofits (number)	_____	<input type="checkbox"/> Grooving (sq. yards)	_____
<input type="checkbox"/> Slabs or area stabilized or number of holes drilled	_____	<input type="checkbox"/> Diamond grinding (sq. yards)	_____
<input type="checkbox"/> Other (please specify) _____	_____		

Smoothness Specification Criteria: (Maximum Profile Index, Blanking Band, Must Grind Areas, Incentive Programs, etc.): \_\_\_\_\_

\_\_\_\_\_

Average "smoothness" before CPR: \_\_\_\_\_

Average "smoothness" after CPR: \_\_\_\_\_

Was an incentive offered for smoothness? \_\_\_\_\_

If yes, what percentage of the total available incentive was achieved? \_\_\_\_\_

What were the challenges on this CPR project and how were they handled? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Additional / special steps taken to ensure quality: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Safety and Quality (20 pts)

### General

Was there a Quality Control Plan in place on this project? .....  Yes  No

If yes, please describe some of the unique aspects of the plan: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

What extra steps were taken to ensure a consistent concrete mix? \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

### Acceptance Criteria

Please describe the acceptance criteria and process used for concrete pavement on this project:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Please describe how the contractor's quality control program incorporated the acceptance criteria into the overall project: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

### Testing Results

Please provide a summary of the testing results (for strength, thickness, gradations etc.). Do not submit actual test result reports. Use the following table for the listed testing procedures.

Project Test	Required	Average Achieved	Standard Deviation
Thickness	_____	_____	_____
Flexural Strength or	_____	_____	_____
Compressive Strength	_____	_____	_____
Sample Age: _____			
Air Content	_____	_____	_____
Other (please specify _____)	_____	_____	_____

## Traffic Management (15 pts)

Work Zone Traffic Volume \_\_\_\_\_ Number of Aircraft Operations \_\_\_\_\_  
Number of Businesses along project \_\_\_\_\_ Number of Passenger Enplanements \_\_\_\_\_  
Number of Intersections \_\_\_\_\_ Other (please specify \_\_\_\_\_) \_\_\_\_\_

Please describe the traffic management plan and include any unique aspects of the plan. \_\_\_\_\_

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What specific action steps were taken to minimize the chance of construction zone accidents? \_\_\_\_\_

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How were user costs considered on this project? \_\_\_\_\_

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Which of the following traffic control techniques were used on this project?

- |   |   |
|---|---|
| <input type="checkbox"/> Head to Head                         | <input type="checkbox"/> Slow down measures |
| <input type="checkbox"/> Traffic Detours                      | <input type="checkbox"/> Pilot Car          |
| <input type="checkbox"/> 24 hour project information on radio |   |
| <input type="checkbox"/> Other (please specify _____)         |   |

What was the longest allowable delay specified on the project? \_\_\_\_\_

What was the longest actual delay on the project? \_\_\_\_\_

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## ***Innovation (15 pts)***

Which of the following innovative and creative processes were implemented as part of the project?

- Equipment
- Materials
- General

Describe any unique solutions to problems encountered on the project: \_\_\_\_\_

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Describe what made this project complex: \_\_\_\_\_

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## ***Public Relations (5 pts)***

What specific steps were taken to ensure that those affected by the project were informed before, during and after the project regarding the project status, potential delays , etc.? \_\_\_\_\_

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## ***Judge's Perceptions (5 pts)***

Up to five points will be awarded based on the judges' "instinctive" evaluation of each project.

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## **Key Project Personnel Contact Information**

It is required that all information for all contacts be completed. This information will be used in notifying Award winners and finalists. Feel free to add additional contact people if desired. ACPA is not responsible for errors in this portion of the nomination form. Please review carefully!

### **Concrete Paving Contractor**

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Company

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Address

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City, State, Zip

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Telephone Number

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Fax Number

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Contractor's Representative

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E-mail Address

### **Design Engineer**

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Company

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Address

---

City, State, Zip

---

Telephone Number

---

Fax Number

---

Engineer's Representative

---

E-mail Address

### **Project Owner/Sponsor**

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Company

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Address

---

City, State, Zip

---

Telephone Number

---

Fax Number

---

Owner's Representative

---

E-mail Address

### **Contact Person\***

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Company

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Address

---

City, State, Zip

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Telephone Number

---

Fax Number

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Contact Person

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E-mail Address

**\* Notification of the results will be sent to the contact person in February 2010**

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## **Plaque Information**

ACPA awards three (3) complimentary plaques. Sample wording that will appear on the winning and finalist plaques is provided on the following page. Please fill in the plaque information below in the event your project is selected an Award winner or finalist.

Project Title: \_\_\_\_\_

Location (City/State or County/State): \_\_\_\_\_

### **Complimentary Plaques Presented to:**

Contractor's Name: \_\_\_\_\_

Engineer's Name: \_\_\_\_\_

Owner / Sponsor's Name: \_\_\_\_\_

Unless otherwise noted, ACPA will work with the contact person indicated on page 12 to review the plaques.

Additional plaques can be ordered at cost and will be billed to the contact person indicated on page 12, unless otherwise indicated below. If additional plaques are desired, please list the recipients and / or affiliations.

### **Additional Plaques**

*Additional Plaque 1–Presented to:* \_\_\_\_\_

Cost paid by: \_\_\_\_\_

*Additional Plaque 2–Presented to:* \_\_\_\_\_

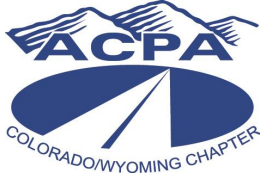
Cost paid by: \_\_\_\_\_

*Additional Plaque 3–Presented to:* \_\_\_\_\_

Cost paid by: \_\_\_\_\_

*Additional Plaque 4–Presented to:* \_\_\_\_\_

Cost paid by: \_\_\_\_\_



**COLORADO/WYOMING ACPA  
AWARD FOR  
EXCELLENCE  
IN CONCRETE PAVEMENT  
FOR PROJECTS CONSTRUCTED IN 2009**

**PRESENTED TO:**

*Contractor, Engineer or Owner*

**IN RECOGNITION OF OUTSTANDING DESIGN AND  
CONSTRUCTION FOR:**

*Project  
Location*

**FINALIST:**

*Category*

**AMERICAN CONCRETE PAVEMENT ASSOCIATION**