

# **EXCELLENCE IN CONCRETE PAVEMENT AWARDS NOMINATION FORM**



Completed forms are due in the NCPA office no later than Friday, October 20, 2023 for projects substantially complete in 2023.

(Please feel free to make additional copies if necessary)

## **Nebraska Concrete Paving Association**

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# NEBRASKA CONCRETE PAVING ASSOCIATION AWARDS

## OBJECTIVE

Portland cement concrete pavement projects will be rated to determine the best pavements designed and constructed during the current contract year. The Awards program is intended to encourage high quality workmanship in every concrete pavement project.

## AWARD CATEGORIES AND QUALIFICATIONS

One award winner will be selected in each of the following categories:

- **Interstate Highways & Expressways**—Divided Highway and Interstate projects of considerable size. This category is meant to encompass mainline paving on divided highways and freeways.
- **Secondary State Highways**—Project of considerable size; mainline paving on highways in a rural setting not on Interstate or Expressway System.
- **County Roads**—Roads on the county system maintained by local county highway departments.
- **Local Projects of less than 30,000 Square Yards**—PCC Paving projects on local roads and streets.
- **High Traffic Airports**—Construction of PCC pavements, concrete overlays, and inlays for runways, taxiways, and apron areas of airports averaging more than 100,000 passenger boarding's annually.
- **Airports** — Construction of PCC pavements, concrete overlays, and inlays for runways, taxiways, and apron areas of airports averaging less than 100,000 passenger boarding's annually.
- **Municipal Streets**—Urban paving projects usually with curb and gutter, intersections, intakes, manholes, and other urban characteristics; on the state highway system.
- **Urban Streets**—PCC pavements usually with curb and gutter, intersections, intakes, manholes and other urban characteristics; **not** on the state highway system.
- **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, grooving, and subsequently has had smoothness restored by use of 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 four-lane replacement are NOT considered CPR projects. Please submit such projects in one of the other categories.)
- **Parking Lots, Recreational Trails and Other Miscellaneous Paving**—Construction of PCC projects public or private use. This also includes other miscellaneous concrete paving projects that do not qualify in the other transportation categories.
- **Portland Cement Concrete Overlays**—Concrete overlays of existing rural or municipal pavements using PCC Concrete. These can be projects on the State system, county system or municipal system.

## NOMINATIONS

Nebraska Department of Transportation districts; NDOT-Division of Aeronautics; local government officials, contractors, suppliers, and consulting engineers are invited to nominate exemplary candidates for each of the categories. Projects should be nominated on the basis of pavement smoothness, quality control and complexity. Nominations are due at the NCPA office no later than **October 20, 2023** for projects substantially completed in 2023. Projects completed too late for consideration for last year's awards should be submitted for consideration for this year's award.

IMPORTANT: Specific project information requested in this nomination form meets minimum requirements for adequate judging of the project. Any additional information provided to aid in the judging of the project will be of benefit to you. Print neatly or type and please verify the spelling and accuracy of this information. Names and locations will appear on the award as submitted on this nomination form. Digital submittals are preferred but mailed paper submittals are acceptable.

## SELECTION PANEL

All projects nominated will be rated by a selection panel chosen by the NCPA Executive Director. The panel will be selected from the membership of the Nebraska Concrete Paving Association; the Nebraska Concrete and Aggregates Association; consultant engineers; a representative of the Nebraska Department of Transportation's Construction Division, and a representative of the Federal Highway Administration. Winners will be notified prior to the Concrete Paving Workshop.

## **AWARDS**

Awards will be presented at the Awards Luncheon held at the Cornhusker Hotel on **January 23-24 2024**. The Awards for each category will be presented to the contractor and design engineer/consultant (where appropriate) for each winning project. All projects nominated will be recognized at the awards luncheon with photos taken following the announcement of the winning entries.

## **RATING CRITERIA**

The following features of each project will be evaluated by the selection panel. Nominating documents and photographs should emphasize these features. The overriding issue is timeliness of completion. Special consideration will be given for completion on or ahead of schedule.

### ***SMOOTHNESS:***

The nominating group shall submit a certified profilograph report, I.R.I Report or other ride quality or smoothness documentation.

### ***QUALITY CONTROL:***

Items to be considered are:

- Thickness
- Texture
- Strength and Strength Data
- General Appearance
- Air Content
- Uniformity and Consistency
- Joints
- Mix Design\*

\*cement content per yard, IF a standard NDOT mix was used list mix number; if a gradation optimized (Shilstone) mix was used, please note "optimized gradation." Additives used should be noted.

### ***COMPLEXITY:***

The complexity of a project is recognized as an important rating factor.

Items that affect the complexity include:

- Project Size
- Bridge Approaches
- Geometrics
- Special Contract Requirements
- Interchanges
- Special Material Requirements
- Intersections
- Work Zone Traffic (Volume & Control)
- Railroad Crossings

### ***INNOVATION:***

Special items that enhance equality, timeliness of completion, and safety will be considered.

Unique features such as Fast Track, equipment innovations or modifications, new materials, **overlays**, construction sequences, and design cross-sections will be of interest.

### ***GENERAL APPEARANCE:***

- No wasted materials within the ROW limits
- Striping straight and bright
- Front and back face of curbs straight
- Uniform pavement texture
- Joints filled and not overfilled
- Minimal grinding to correct smoothness issues

**CONTRACTOR MANAGEMENT:**

- Were project meetings scheduled and attended regularly, and minutes kept?
- What coordination occurred prior to construction starting?
- What unforeseen circumstances caused schedule changes, and how were the needed changes implemented?
- How was local access maintained?
- What were the greatest challenges to completing the project on time?
- Was the project completed on time?

**SAFETY:**

- List any accidents affecting the travelling public
- List any worker related accidents
- Tell us what the contractor did to enhance safety for both the travelling public and the workers

**PHOTOGRAPHS**

It is highly recommended that you provide five photos. **Digital photos are preferred;** however glossy prints of the finished project are acceptable. These will assist in determining the winning project from among the nominees. They will not be returned. If selected as a winner, these photos will be used for publication. Photographs of the paving process are also requested, if available, but not required.

Note: If the project is selected the Submitting Party will be required to submit a short-written description of the project and project team to be used during the awards presentation.

**PROJECT NAME:** \_\_\_\_\_

**Submitted by:** \_\_\_\_\_ **Title:** \_\_\_\_\_

Company or organization: \_\_\_\_\_

City/State: \_\_\_\_\_

Phone number: \_\_\_\_\_ Email: \_\_\_\_\_

*Please indicate all members of the construction team you wish to recognize. (Use another sheet if necessary)*

**Concrete Paving Contractor** \_\_\_\_\_

Contractor's Representative: \_\_\_\_\_

City, State: \_\_\_\_\_

Phone number: \_\_\_\_\_ Email: \_\_\_\_\_

**Engineering Organization** \_\_\_\_\_

Engineering Representative: \_\_\_\_\_

City, State: \_\_\_\_\_

Phone number: \_\_\_\_\_ Email: \_\_\_\_\_

**Owner** \_\_\_\_\_

Owner's Representative: \_\_\_\_\_

City, State: \_\_\_\_\_

Phone number: \_\_\_\_\_ Email: \_\_\_\_\_

**Concrete Supplier** \_\_\_\_\_

City, State: \_\_\_\_\_

Phone number: \_\_\_\_\_ Email: \_\_\_\_\_

**CATEGORY**

Projects are judged in the following categories:

- Interstate Highways & Expressways
- Secondary State Highways
- County Roads
- Municipal Streets
- Local Projects of Less than 30,000 S.Y.
- Urban Streets
- High traffic airports
- Airports
- CPR
- Parking Lots, Recreational Trails and miscellaneous
- Portland Cement Concrete Overlays

Category and location description (**please include a map showing project location**):

\_\_\_\_\_

\_\_\_\_\_

**For Roadway Nominations:** indicate route number; street name; milepost or cross streets; city or county

**For Airport Nominations:** indicate runway, taxiway, or apron number; airport name; city or county

**For CPR, Parking Lot, Recreational Trails and Misc.:** indicate location (street, name, route); city or county; and owner

**PROJECT SCHEDULE:**

	START DATE		COMPLETION DATE (open to traffic)	
	Scheduled	Actual	Scheduled	Actual
Entire Project	_____	_____	_____	_____
Concrete Paving:	_____	_____	_____	_____
TOTAL PROJECT COST:	\$ _____			
TOTAL QUANTITY OF CONCRETE PAVING:	_____ Square Yards			
CONCRETE PAVING:	\$ _____ per Square Yard			

**PAVEMENT TYPE** (circle one as appropriate)

- Jointed Plain
- Jointed Reinforced
- Continuously Reinforced
- Joint Spacing \_\_\_\_\_ (ft)
 

Dowels Used?	NO	YES
Concrete Shoulders?	NO	YES

**PAVEMENT SMOOTHNESS SUMMARY** (on additional sheet(s) of paper complete the following. Please provide **summary** data from the project as built).

Please **summarize** how smoothness was measured and provide representative measurement summary sheets for the project (e.g., California profilograph for highways, well-matched joints for airports, etc.) Please describe and attach a copy of any smoothness specifications applicable to the project, including incentive provisions. Include profilograph measurements if available; otherwise, indicate edge-slump and/or straight edge requirements.

What were the key factors in achieving smoothness? (Include your observations such as: exceptional subbase quality; equipment used; uniformity of mix; personnel; incentives; cooperation, etc. Please elaborate as necessary.

Was a bonus for smoothness awarded? If so, please indicate the bonus requirements and the amount awarded.

**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
Full-depth repairs (number)	_____
Cross-stitching (number or length)	_____
Partial-depth repairs (number)	_____
Retrofit PCC shoulders (length)	_____
Joint/crack resealing (lineal feet)	_____
Retrofit edge drains (length)	_____
Dowel bar retrofits (number)	_____
Grooving (square yards)	_____
Slabs or area stabilized (square yards)	_____
Number of holes drilled (each)	_____
Diamond grinding (square yards)	_____
Other (please specify) _____	_____

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

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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?

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Additional/special steps taken to ensure quality.

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**QUALITY CONTROL** Please provide data from the project as-built. Please include all requested information.

**The Portland Cement Concrete Pavement**

QUALITY MEASUREMENT	Required	Average Achieved	Standard Deviation
Thickness:			
Strength: (circle one) 7 14 28 days (circle one) Compressive Flexural			
Air Content:			

No. of Grinds/Lane-Mile \_\_\_\_\_ (New slabs and overlay)

No. of Random Cracks \_\_\_\_\_ (for pavements with short joint spacing, 15-25')

**SUBBASE**

Type: \_\_\_\_\_ (For overlays, describe original pavement)

Thickness \_\_\_\_\_ Strength/Density \_\_\_\_\_

Please describe the procedures used to ensure quality and workability of the concrete (e.g. frequent tests, special admixtures, mix design or other measures). For airport projects, please include the control charts that graph concrete strengths as the project progressed.

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**COMPLEXITY**

No. of Interchanges \_\_\_\_\_ No. of Bridge Approaches \_\_\_\_\_

No. of Businesses along Project \_\_\_\_\_ No. of Intersections \_\_\_\_\_

No. of Utility Manholes \_\_\_\_\_

Any special material requirements? (Describe briefly) \_\_\_\_\_

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Please describe any other items that affected the complexity of the project (special traffic control; hours permitted to work; special contract requirements; steep grades, etc.) Use another sheet if necessary.

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Thank you for your efforts and time in preparing and submitting this nomination form, following are some **additional, but not required** data that may be submitted if you so desire.

**OPTIONAL SUPPORTING DATA** (on a separate sheet, please indicate unique projects achievements, following are suggestions of possible achievements)

1. **OPTIONAL: GENERAL APPEARANCE**

- a. No wasted materials within the ROW limits
- b. Striping straight and bright
- c. Front and back face of curbs straight
- d. Uniform pavement texture
- e. Joints filled and not overfilled
- f. Minimal grinding to correct smoothness issues

2. **CONTRACTOR MANAGEMENT**

- a. Were project meetings scheduled and attended regularly, and minutes kept?
- b. What coordination occurred prior to construction starting?
- c. What unforeseen circumstances caused schedule changes, and how were the needed changes implemented?
- d. How was local access maintained?
- e. What were the greatest challenges to completing the project on time?
- f. Was the project completed on time?

3. **SAFETY:**

- a. List any accidents affecting the travelling public
- b. List any worker related accidents
- c. Tell us what the contractor did to enhance safety for both the travelling public and the workers

4. **INNOVATION**

- a. Please describe any special accessories or modifications to the paving equipment or procedures that would be considered innovative. Examples include automatic grade controls; dowel bar inserters; or new materials. Please provide details on modifications that improved quality and/or productivity.
- b. Please describe any innovations used in the design; specifications; contraction procedures or construction of the project. Was early opening specified? If so, please describe.
- c. Please describe any public relations activities that took place prior to or during construction of the project. Include any printed materials that were distributed or any newspaper or magazine articles that assisted in minimizing user delay/inconvenience during construction.