



Concrete for Life NEWS

Summer 2014

Hello again! Time for another Newsletter from the Nebraska Concrete Paving Association

First, thank you to several of the people that helped us at the Concrete Paving Workshop.

- Mary Jo Oie and Jay Bailey from the NDOR for taking the great photos of the Paving Award Winners.
- Pete Sobetski from BASF for moderating the main session on day 2.
- Nicole Frankl from LTAP for taking pictures of all the sessions.
- Jereme Montgomery and Dennis Smith for MCing the Paving Awards Ceremony.
- And all the others who helped with the lights, the audio-visuals, moderating the sessions, registering the attendees, and keeping the doors from banging.



Bill Cook,

We had over 300 people attend the workshop. With speakers and exhibitors, we had about 340 registered to attend. Pictures of the Paving Award Winners appear later in the newsletter.

A couple of save-the-date items:

- The next Concrete Paving Workshop is Tuesday and Wednesday, January 20-21, 2015.
- Our golf outing will Monday, June 16, 2014, at the Quarry Oaks Golf Course.

For those that don't it know yet, we moved from our old office on Cornhusker Highway to a new office at 5700 Seward Avenue in Lincoln. Stop by and see our new digs!

2014 NCPA Concrete Paving Workshop

The 35th NCPA Concrete Paving Workshop was held January 21st and 22nd, 2014, at the Cornhusker Marriott in Lincoln. About 340 registered for our Workshop, which included two days of keynote speakers and educational breakout sessions.

Numerous networking opportunities were also built into the Workshop, including a behind-the-scenes tour of the new Pinnacle Bank Arena in Lincoln. The arena features a combination of a concrete and metal panel facade, open-air roof deck, contemporary glass-encased entrance and concourse offering picturesque views of the State Capitol. Pinnacle Bank Arena is an architectural embodiment of aesthetics and modernity. The facility encompasses 470,400 square feet and cost \$179 million to construct.



2013 Concrete Paving Award Winners

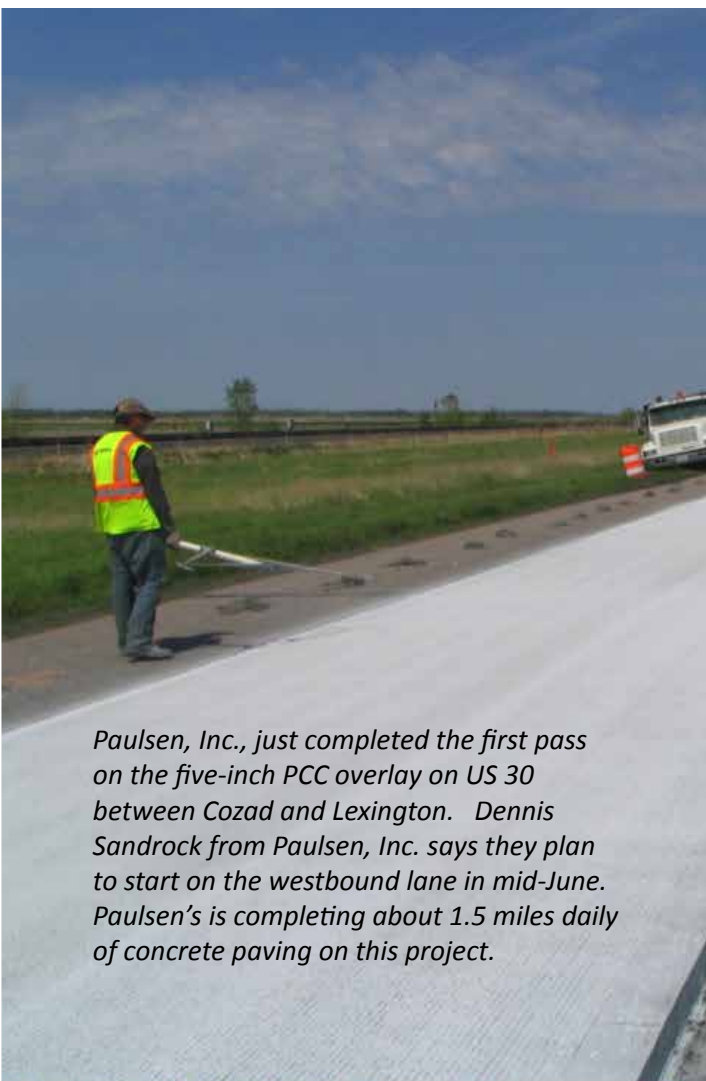
A highlight of each year's NCPA Concrete Paving Workshop is the Awards ceremony held to recognize the best pavements designed and constructed during the current contract year. The Awards program is intended to encourage high quality workmanship in every concrete pavement project.

Turn to page 6 of this newsletter for photos and highlights of this year's Paving Award winners

We want to thank all those that helped plan and execute the program this year.

Be sure to save January 20-21, 2015 for the next Workshop at the Cornhusker Marriott in Lincoln.

Another Concrete Overlay on US 30



Paulsen, Inc., just completed the first pass on the five-inch PCC overlay on US 30 between Cozad and Lexington. Dennis Sandrock from Paulsen, Inc. says they plan to start on the westbound lane in mid-June. Paulsen's is completing about 1.5 miles daily of concrete paving on this project.

Developer/Contractor Confirms Concrete as Best Value at Dollar General

NRMCA Vice President, National Resources, Amy Miller was recently invited by a NRMCA Producer member to meet a developer who also serves as his own general contractor. This developer has built and continues to build Dollar General projects. When the pricing question arose, the contractor shared a spreadsheet he recently populated with numbers of initial construction of parking lots in both concrete and asphalt: concrete was lower. The contractor went on to add that the company had conducted a financial analysis on maintenance and learned that concrete maintenance was 20% of the cost of asphalt maintenance.



concrete maintenance was found to be 20% of the cost of asphalt maintenance

“The maintenance dollars are of particular importance to developers, like this one, who enter triple-net lease arrangements,” Miller said. “These deals are becoming more popular as they place the full responsibility of maintenance on one party. In this scenario, the developer/contractor gathered pricing from his own subcontractors and determined he could save money at the time of construction and on an ongoing basis as well by building with concrete.”

“Needless to say, in 2014 this developer plans on constructing all upcoming Dollar General projects with concrete.”

For more information, contact Amy Miller at amiller@nrmca.org

Sam Olson Retires from the NCPA Board

2013 was Sam Olson’s last year on the NCPA Board of Directors. Sam, one of the original incorporators of the NCPA, had been on the Board since the NCPA’s inception on June 16, 1980.

Why did the concrete paving industry decide to start a paving association? Sam told me he had seen what the Iowa Concrete Paving Association was accomplishing in Iowa, and because of that began advocating for a Nebraska Association. Eventually, five or six of the Nebraska pavers agreed with him and created the Nebraska Concrete Paving Association.

Sam saw many changes over the years with concrete paving. When he started, dry batching was very common. Then wet batch plants took over. Slipform pavers were being used in Colorado and elsewhere when Sam started with Roberts Construction fresh out of college, and then came to Nebraska. Full-depth PCC paving of the Interstate and Expressway system in Nebraska became the norm, and continues to be the norm today. He watched Nebraska go from plain pavement to baskets to mesh-reinforced pavement back to plain pavement then to using dowel bars at the joints. Sam witnessed the use of new admixtures to improve workability and placement. Sam saw the advent of stringless paving, quick width-changing pavers, and auto grade trimmers among other innovations by the industry.

Sam and his crews were proud of the work they did. Most people would welcome them back after completing a project. And Sam is proud of that.

In the future Sam sees the increased use of stringless and GPS equipment. He also expects to see contractors pick up more of the quality control in the production and paving operations.

I want to give Sam a special thanks for helping me get started as the Pavement Engineer at the NCPA. His advice and help were invaluable to me as I switched from a government agency to the industry side of work.

Good luck to Sam on his (semi-) retirement!

The Benefits of Light Colored Paving Materials

Pavements (and other human-made structures) are quite often constructed of heat-absorptive materials which capture and store solar energy only to later release it into the atmosphere. The result is that densely built urban areas see an increase in ambient temperatures relative to the temperatures of rural areas within the same climatic zone. This phenomenon is known as the Urban Heat Island (UHI) effect.

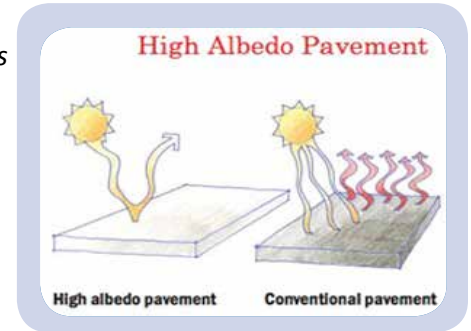
A recent article in the *Pavement Preservation Journal*, authored by Yetkin Yildirim, director of the Texas Pavement Preservation Center, explores the role that pavement, in particular, plays in UHI. Because pavements cover approximately 35-40 percent of populated areas, they are a major contributor to UHI. "Heat energy," Yildirim notes, "behaves differently depending on the color of the surface that it comes into contact with." Light colored surfaces generally reflect heat energy, while dark ones absorb it. A surface's degree of reflectance is known as its albedo, which is expressed as a numerical value between 0 and 1 and represents the percentage of the total light striking a surface that gets reflected. A light colored object has a high albedo - near 1, or 100 percent reflectance; a dark object has a low albedo - closer to 0.

Yildirim's article goes on to explain that asphalt pavement has traditionally been black; the albedo of a freshly in stalled asphalt pavement is about 0.05, meaning that 95 percent of the sun's energy is being absorbed. Aged asphalt, which has faded to a lighter color, generally has a solar reflectance somewhere between 0.10 and 0.18.

New, cured gray cement concrete pavement, on the other hand, has been shown in field tests to have an albedo in the range of 0.35 - 0.40. As concrete ages, it tends to darken because of dirt and tire wear, so most older concretes have albedos in the range of 0.20 - 0.30. The use of white cements and slag cements can improve upon asphalt to an even greater extent: white cement concrete pavements have albedos in the range of 0.70 - 0.80 when new and 0.40 - 0.60 when aged.



Varying the mix design of portland cement concrete can greatly increase its albedo. Researchers in the Heat Island Group at the Lawrence Berkeley National Laboratory performed experiments using laboratory fabrication and exposure (such as simulated weathering, soiling, and abrasion) of 32 different concrete mixes. Their studies confirmed the benefit of using light-colored aggregates and white cement; however, considering the higher costs associated with these materials, the study also indicated that certain blended cements (slag cements) may perform almost as well as white cement while offering a cost comparable to gray cement. And the cost savings obtained by switching from asphalt pavements to normal gray concrete pavements are incontrovertible: Lawrence Berkeley National Laboratory simulations of the influence of pavement albedo on air temperature demonstrate that high albedo pavements could save a city millions of dollars per year in cooling energy and smog-related medical and lost-work expenses.



"High albedo is yet another benefit of diamond grinding when it is used as part of a complete concrete pavement preservation (CPP) strategy for aging pavements," said John Roberts, executive director of the International Grooving & Grinding Association. "Unlike an asphalt overlay solution, CPP with diamond grinding lightens the pavement surface by removing the weather-worn and soiled surface, increasing the albedo and providing the cost savings and environmental benefits discussed above."

To learn more about diamond grinding and CPP, read the IGGA's Concrete Pavement Surface Restoration Fact Sheet:

<http://www.igga.net/ConcretePvmtSurfaceRestorationFactSheet.pdf>

References:

1. Levinson, R. and H. Akbari. 2001. "Effects of Composition and Exposure on the Solar Reflectance of Portland Cement Concrete," Lawrence Berkeley National Laboratory Report LBNL-48334, Berkeley, CA. Online at <http://www-library.lbl.gov/docs/LBNL/483/34/PDF/LBNL-48334.pdf>
2. Pomerantz, M., H. Akbari, A. Chen, H. Taha, and A.H. Rosenfeld. 1997. "Paving Materials for Heat Island Mitigation," Lawrence Berkeley National Laboratory Report LBL-38074, Berkeley, CA.
3. Pomerantz, M., B. Pon, H. Akbari, and S.-C. Chang. 2002. "The Effect of Pavements' Temperatures on Air Temperatures in Large Cities," Lawrence Berkeley National Laboratory Report LBNL-43442, Berkeley, CA.

Another Old

Concrete Overlay

Dick Johnson, Madison County Highway Superintendent, pointed me to an old PCC Overlay in Madison County.



The east one-half mile of Omaha Avenue between 25th Street and 35th Street southwest of Norfolk was overlaid with PCC in the middle 1980's. For some reason, an armor coat was later applied to the concrete.

Here are some pictures of this 30-year old concrete overlay. Notice that some of the armor coat has been worn from the concrete.



An Example of a Concrete Pavement with Low Maintenance Cost



Chris Howser, Cuming County Highway Superintendent, and Dan Niemeyer, Cuming County Road Foreman, showed me a PCC road paved in the middle 1980's. This PCC Road, called River Road, has required very little maintenance for the last 16 years that Chris and Dan have worked at the county. Maintenance has consisted of placing tar in some cracks, and replacing some panels undermined by flooding along the Elkhorn River. Here are some pictures of the road.



2013 NCPA Concrete Paving Awards

Hawaiian Village S.I.D. 97; Sarpy County



Pictured (L to R): Moe Jamshidi; Randy Pierce; Greg Manly; Ron Meyer; Steffon Adolf; Jason Dietz.

PARKING LOTS & MISCELLANEOUS PAVING

Owner Plaque:	Hawaiian Village S.I.D. 97; Sarpy County	
Owner Certificates:	Dave Barry	Hawaiian Village S.I.D. 97 Board
	Mike Ostransky	Hawaiian Village S.I.D. 97 Board
	Dave Wennstedt	Hawaiian Village S.I.D. 97 Board
	Ruth Evangelisti	Hawaiian Village S.I.D. 97 Board
	Aaron Raszler	Hawaiian Village S.I.D. 97 Board
	Jeff Warinski	Hawaiian Village S.I.D. 97 Board
Contractor Plaque:	L.G. Roloff Construction Co., Inc.	
Contractor Certificates:	Greg Manly	L.G. Roloff Construction
	Ron Meyer	L.G. Roloff Construction
	Norm Henerson	L.G. Roloff Construction
	Brandon Kildow	L.G. Roloff Construction
	Kara Habrock	L.G. Roloff Construction
Eng. Rep. Plaque: <i>(during construction)</i>	Randy Pierce	E & A Consulting Group, Inc.
Eng. Rep Certificates: <i>(during construction)</i>	Steffon Adolf	E & A Consulting Group, Inc.
Designer Plaque:	Denny Kaven	E & A Consulting Group, Inc.

2013 NCPA Concrete Paving Awards

Dana Trail in Blair



Pictured (L to R): Moe Jamshidi; Bill Ringsdorf; Kent Rohren; Al Schoemaker; Mike Olson; Jason Dietz

Owner Plaque:

City of Blair

Owner Certificates:

James Realph	Mayor
Kevin Hall	City Council
Chris Jensen	City Council
Brad Andersen	City Council
Keith Christionsen	City Council
R.J. Ran	City Council
Hal Kephart	City Council
Marty Shepard	City Council
Jon Stewart	City Council

Contractor Plaque:

Tab Construction

Contractor Certificates:

Brian Doerr	Tab Construction
Matt Troge	Tab Construction
Bill Ringsdorf	Tab Construction

Eng. Rep. Plaque:
(during construction)

Kent Rohren	Olsson Associates
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Designer Plaque:

Mike Olson	Kirkham Michael Consulting Engineers
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Designer Certificates

Rich Robenson	Kirkham Michael Consulting Engineers
Jeff Knutson	Kirkham Michael Consulting Engineers

2013 NCPA Concrete Paving Awards

West Haymarket Core Area Roadway & Utilities (Lincoln, NE)



Pictured (L to R): Moe Jamshidi; Ron Schuster; Ron Mockelman; Kent Rohren; Tom Crockett; Brad Elting; Troy Alexander; Jason Dietz.

URBAN STREETS PROJECT

Owner Plaque: West Haymarket Joint Public Agency (WHJPA)

Owner Certificates:

Adam Hoebelheinrich	WHJPA
Mayor Chris Buetler	WHJPA
Tim Clare	WHJPA
Doug Emery	WHJPA
Steve Hubka	WHJPA

Contractor Plaque: Hawkins Construction Company

Contractor Certificates:

Troy Alexander	Hawkins Construction
Ron Schuster	Hawkins Construction
Chris Blume	Hawkins Construction
Ron Mockelman	Hawkins Construction
Tom Crockett	Hawkins Construction

Eng. Rep. Plaque: Kent Rohren
(during construction) Olsson Associates

Eng. Rep Certificates:

Brad Elting	Schemmer Associates
Brandon Koinzan	Olsson Associates

Designer Plaque: Thomas Leikam Olsson Associates

2013 NCPA Concrete Paving Awards

Stuhr Rd., 2013-P-4-Bismark Rd. to BNSFRR Crossing (Grand Island)

Pictured (L to R): Moe Jamshidi; Jess Palik; Craig Anderson; Kevin Gehring; Ron Anderson; Paul Schwaderer; Ryan Anderson; Mitt Loeb; Scott Griepenstroh; Jason Dietz



Owner Plaque:

City of Grand Island

Contractor Plaque:

Gehring Constr. & Ready Mix Co., Inc.

Contractor Certificates:

Ryan Anderson	Gehring Construction
Craig Anderson	Gehring Construction
Ron Anderson	Gehring Construction
Vicente Ferrer	Gehring Construction
Kevin Gehring	Gehring Construction

Eng. Rep. Plaque:

(during construction)

Scott Griepenstroh City of Grand Island Pub. Works

Eng. Rep. Certificates:

(during construction)

Mitt Loeb	City of Grand Island Pub. Works
Paul Schwaderer	City of Grand Island Pub. Works

Designer Plaque: Olsson Associates

Designer Certificates:

Jeff Palik	Olsson Associates
Andrew Phillips	Olsson Associates

Hartington Downtown Revitalization

Pictured (L to R): Moe Jamshidi; Dale Bohac; Terry Mead; Brad Peitz; Gary Kruse; Jason Dietz



Owner Plaque:

City of Hartington

Owner Certificates:

Brad Peitz	Mayor of Hartington
Tim Burbach	Hartington City Council
Cody Christensen	Hartington City Council
Gary Kruse	Hartington City Council
Deb Addison	Hartington City Council

Contractor Plaque:

A&R Construction Co.

Contractor Certificates:

Pablo Castellano	A&R Construction Co.
Santiago Marino	A&R Construction Co.
Santino Piniera	A&R Construction Co.
Tyler Prince	A&R Construction Co.
Anthony Zepeda	A&R Construction Co.
Abraham Zepeda	A&R Construction Co.
Gilbert Gonzales	A&R Construction Co.
Jason Aschoff	A&R Construction Co.

Eng. Rep. Plaque:

(during construction)

Dale E. Bohac JEO Consulting Group, Inc.

Designer Plaque:

Terry Mead JEO Consulting, Inc.

Designer Certificate:

Lou Guy JEO Consulting, Inc.

LOCAL PROJECTS LESS THAN 30,000 SQ. YDS.

2013 NCPA Concrete Paving Awards

Terminal Ramp Access Taxiway Reconstruction, Eppeley Airfield, Omaha



Pictured: Moe Jamshidi; Josh Kankovsky; Everett Owen; Virgil Oligmueller; Matt Lunzman; Ron Schuster; Brandon Scott; Bryan Kratky; Nick Gaebel; Randy Kuszak; Mitch Kennedy; Mitch Climer; Andy Wester; Joe Oetken; Larry Leuders; Jason Dietz.

AIRPORTS

Owner Plaque:	Omaha Airport Authority	
Owner Certificates:	Dave Roth	Omaha Airport Authority
	Tom Swanek	Omaha Airport Authority
	Tim Schmitt	Omaha Airport Authority
Contractor Plaque:	Hawkins Construction Company	
Contractor Certificates:	Ron Schuster	Hawkins Construction
	Mitch Climer	Hawkins Construction
	Matt Lunzman	Hawkins Construction
	Nick Gaebel	Hawkins Construction
Eng. Rep. Plaque: <i>(during construction)</i>	Joe Oetken	Lamp, Ryneerson & Assoc., Inc.
Eng. Rep Certificates: <i>(during construction)</i>	Bryan Kratky	Lamp, Ryneerson & Assoc., Inc.
	Randy Kusak	Lamp, Ryneerson & Assoc., Inc.
	Mitch Kennedy	Lamp, Ryneerson & Assoc., Inc.
	Josh Kankovsky	Thiele Geotech
	Everett Owen	Thiele Geotech
	Brandon Scott	Thiele Geotech
Designer Plaque:	Lamp, Ryneerson & Associates, Inc.	
Designer Certificates:	Virgil Oligmueller	Lamp, Ryneerson & Assoc., Inc.
	Andy Wester	Lamp, Ryneerson & Assoc., Inc.
	Larry Lueders	Lamp, Ryneerson & Assoc., Inc.

2013 NCPA Concrete Paving Awards

C77 (14-1) S. 114th St. & Cornhusker Rd. Improvements (Sarpy County)



Pictured (L to R): Moe Jamshidi; Bill Herr; Tony Egelhoff; Shane Groh; Denny Wilson; Jason Dietz.

Owner Plaque:

Sarpy County Public Works

Owner Certificates:

Bill Herr

Sarpy County Public Works

Dennis Wilson

Sarpy County Public Works

Contractor Plaque:

Charles Vrana and Sons Company

Contractor Certificates:

Jarrod Ryan

Charles Vrana & Sons

Darrell Lasher

Charles Vrana & Sons

Gary Roberts

Charles Vrana & Sons

Noal Schinzel

Charles Vrana & Sons

Eng. Rep. Plaque:

(during construction)

William S. Groh

Olsson Associates

Eng. Rep. Certificates:

(during construction)

Jeff Gandy

Olsson Associates

Designer Plaque:

Anthony Egelhoff

Olsson Associates

Designer Certificates:

Michael Bickford

Olsson Associates

Benjamin Grone

Olsson Associates

2013 NCPA Concrete Paving Awards

STP-URB-10-2 (119), 2nd Ave. 25th to 31 Streets (Kearney)



Pictured (Front Row L to R): Moe Jamshidi; Ron Blessing; Kevin McKay; Scott Blessing; Joe Lintell; Jason Dietz. (Back Row, L to R): Tom Farber; Phillip Write; Wade Harris.

MUNICIPAL STREETS

Project Manager Plaque:	Tom Farber	NDOR District 4
Owner Certificates -of-Merit:	Phillip Write Wade Harris George McNiel	NDOR District 4 NDOR District 4 NDOR District 4
Contractor Plaque:	Blessing, L.L.C.	
Contractor Certificates- of-Merit:	Scott Blessing Kevin McKay Joey Lentell Ron Blessing	Blessing, L.L.C. Blessing, L.L.C. Blessing, L.L.C. Blessing, L.L.C.
Designer Plaque:	Bill Eberspacher	NDOR, Roadway Design Division
Designer Certificates- of-Merit:	Carl Humphrey Paul Wisnieski Tom Foss	NDOR, Roadway Design Division NDOR Roadway Design Division NDOR Roadway Design Division

2013 NCPA Concrete Paving Awards

NH-34-7 (124), Platteview Intersection at LaPlatte



*Pictured (Front Row L to R): Moe Jamshidi; Ron Mockelman; Ron Schuster; Kurt Peyton; Jason Dietz.
(Middle Row, L to R): Don Valla; Marty Weander; Andy Weiss; Tony Kessler.
(Back Row, L to R): Don Valla; John Buscher; Dan Volk.*

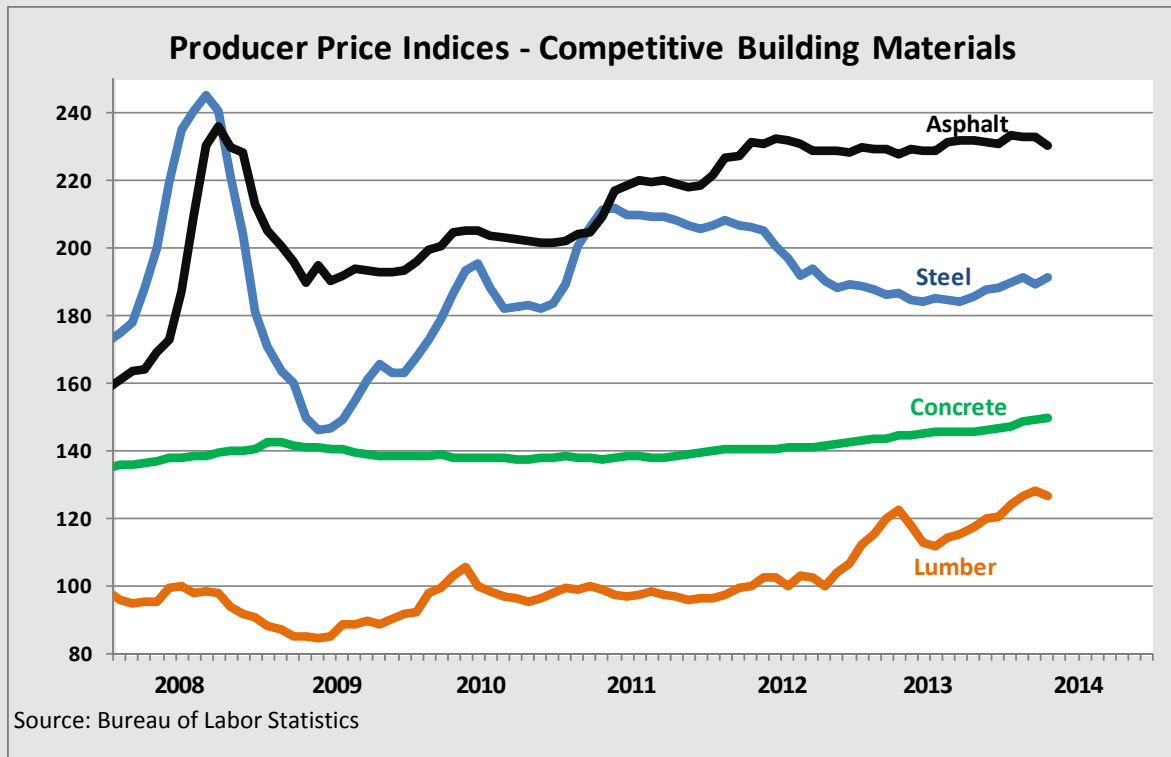
Project Manager Plaque:	NDOR District 2	
Owner Certificates:	NDOR District 2 NDOR District 2 NDOR District 2 NDOR District 2 NDOR District 2	
Contractor Plaque:	Hawkins Construction Company	
Contractor Certificates-of-Merit:	Don Valla Tony Valla Ron Schuster Ron Mockelman Kurt Peyton	Hawkins Construction Co Hawkins Construction Co Hawkins Construction Co Hawkins Construction Co Hawkins Construction Co
Consultant Coordinator Plaque:	Tony Kessler	NDOR Roadway Design Division
Designer Plaque:	Andrew D. Wiest	HDR Engineering, Inc.
Designer Certificates-of-Merit:	Troy Norviel Dan Volk Dave Miner	HDR Engineering, Inc. HDR Engineering, Inc. HDR Engineering, Inc.

MARKET INTELLIGENCE

Competitive Materials Report Update: May 2014

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	Annual			Monthly					
	2011	2012	2013	Nov-13	Dec-13	Jan-14(p)	Feb-14(p)	Mar-14(p)	Apr-14(p)
Steel Mill Products	206.3	198.4	186.0	187.4	188.1	189.6	190.9	188.8	190.9
% Change Year Ago	12.8%	-3.8%	-6.3%	-0.3%	-0.6%	0.5%	1.9%	1.4%	2.2%
% Change Month Ago				1.0%	0.4%	0.8%	0.7%	-1.1%	1.1%
Lumber	97.7	101.1	116.5	120.0	120.4	123.8	126.3	128.2	126.3
% Change Year Ago	-0.4%	3.5%	15.2%	15.6%	12.9%	10.6%	9.8%	7.2%	3.4%
% Change Month Ago				2.1%	0.4%	2.8%	2.0%	1.5%	-1.5%
Concrete Products	138.1	140.9	144.8	146.0	146.3	147.1	148.4	148.9	149.6
% Change Year Ago	0.1%	2.0%	2.8%	3.0%	2.6%	2.8%	3.7%	3.9%	3.4%
% Change Month Ago				0.3%	0.2%	0.6%	0.9%	0.3%	0.5%
Asphalt	214.0	228.7	229.7	231.1	230.5	232.9	232.5	232.5	229.9
% Change Year Ago	6.0%	6.9%	0.4%	1.1%	1.0%	1.6%	1.6%	1.6%	1.0%
% Change Month Ago				-0.1%	-0.2%	1.0%	-0.2%	0.0%	-1.1%

(p) = Preliminary data
Base Year: 2002 = 100

Ship Anchor Found Buried in Nebraska Hayfield!



Photo by Wes Wahlgren
Gloria Lijstrand stands next to the ship anchor she found buried on a farm west of Brady.

Wes Wahlgren, NDOR District 4 Engineer, related a story of a riverboat anchor found buried in a hayfield near Brady, Nebraska. It seems possible that the riverboat El Paso lost an anchor while ascending the Platte River in early 1852 on its way to Scottsbluff.

For the entire article on the NDOR's Roadrunner newsletter, visit this website: <http://www.transportation.nebraska.gov/roadrunner/docs/archives/june-july-2008.pdf>



Our Mission:

- TO assure that the quality of concrete pavement produced by the concrete paving industry members in Nebraska meets the highest standards.
- TO increase the market share of concrete pavement in highway and airport work within Nebraska
- TO serve the concrete paving industry members' needs through effective leadership and representation with client agencies
- TO help the engineering community produce better and less costly designs for their clients
- TO recognize high quality design and construction through annual awards

See us at our new address:

**5700 Seward Ave.,
Suite B**

Lincoln, NE 68507

Phone: 402-467-2662

Fax: 402-467-2775

Cell: 402-499-7105

E-mail: bcook@nebrconc.org

**January
20-21,
2015**



**36th Annual Concrete Paving
Workshop**



Cornhusker Marriott
Lincoln, NE



5700 Seward Ave., Ste. B
Lincoln, NE 68507

Contractors

A & R Construction
Cedar Valley Corporation
Constructors, Inc.
Diamond Engineering Co.
Elkhorn Paving Construction Co.
Gehring Construction & Ready Mix Co., Inc.
Hawkins Construction Co.
Chester Bross Construction Co.
Iowa Erosion Control
Knife River Midwest, LLC
Paulsen, Inc.
Pavers, Inc.
TAB Construction
TCW Construction Inc.
Ten Point Construction
Upper Plains Contracting, Inc.

Consultants

E & A Consulting Group
HDR Engineering, Inc.
JEO Consulting Group, Inc.
Kirkham Michael Consulting Engineers
Lamp, Rynearson and Associates
Mid-State Engineering
Olsson Associates
The Schemmer Associates
Thiele Geotech

Supplier Members

Arps Red-E-Mix
Ash Grove Cement Co.
BASF Construction Chemicals, Inc.
Central Plains Cement
Concrete Industries, Inc.
Dakota Fluid Power
General Resource Technology
GCC of America
GOMACO Corporation
Holcim (US)
FSI by Thrasher
Kerford Limestone
Logan Contractors Supply
Lyman-Richey Corp.
Martin Marietta Materials
Murphy Tractor & Equipment, Co.
Nebraska Ash Co.
NMC Cat
NEBCO, Inc.
Nebraska Truck & Equipment Co., Inc.
Overland Sand and Gravel Co.
Ready Mixed Concrete Co.
Rose Equipment, Inc.
Western Sand and Gravel Co.
Wise Mack
Transwood Carriers
PCA-North Central Region
Richie Bros. Auctioneers

Individual Members Sarpy County



Members

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for membership
information