

IRMCA NEWS

Volume 22, Number 4

December

*Sincere Wishes
For a Happy
and Prosperous
New Year*

— From Your IRMCA Staff —

The Illinois Ready Mixed Concrete Association is already enjoying a prosperous year with the recent addition of two new staff members. It is our pleasure to welcome Jill Newingham, a temporary employee who has been helping us through a particularly busy time in the office, and Emily Reynolds, a part-time employee who will work in the office on Tuesdays and Thursdays.



If you have not yet done so, please introduce yourselves to them the next time you call or see them at an Association event.

IRMCA Staff (left to right): Bruce Grohne, Executive Director; Jill Newingham, Administrative Assistant; Jennifer Bedell, Office Manager; Whitney Rush, Administrative Assistant; Emily Reynolds, Administrative Assistant; and Dick Plimpton, Director of Marketing & Promotion.

A Message From President Huiner

First, I want to take a moment to say that I hope everyone had a merry Christmas and is now enjoying a prosperous New Year.

It has been a privilege and honor to serve as your president over the past year. I truly believe that IRMCA has become an even better Association than it was when my term began, and the majority of that credit goes to the hard work of our staff: Bruce, Jennifer, Whitney, Dick, Randy, Emily, and Jill. I would like to thank each one of them for a job well done! The addition of Dick Plimpton this year has created a very professional and successful promotional team. Promotional efforts

have already made an impact in many parts of the state and their success stories continue to grow.

I would also like to thank all of our committees, and especially the committee chairs, for their hard work this past year. You deserve a lot of the credit for this organization's success, particularly the success of our four big annual events: the Short Course, Annual Convention, Summer Meeting, and Scholarship Golf Outing. The Short Course and Annual Con-

(Continued on page 2)

(A Message continued from front cover) vention will be here before you know it, so make your plans now to attend.

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Illinois Ready Mixed Concrete Association

Officers

Tim Huiner, President

Dennis Oedewaldt, Vice President

Mark Blager, Secretary/Treasurer

Dan Edwards, Past President

Directors

John Albinger
Tom Beck
Paul Flynn
Ken Highlander
Dan Kuehler
Lou Marcy
George Mobarak

Staff

Bruce Grohne, Executive Director

Jennifer Bedell, Office Manager/IRMCA News Editor

Dick Plimpton, P.E., Director of Marketing & Promotion

Whitney Rush/Jill Newingham/Emily Reynolds, Administrative Assistants

Working together to



create value, teach excellence, and produce quality

IRMCA Welcomes Its New Members

Ankem Chemical of Illinois Associate
Clay Bowman
3333 Earheart Suite 240
Carrollton, TX 75006
Phone: 800.527.7615
Products & Services: ready mix truck chemicals, cleaning maintenance programs

Command Alkon, Inc. Associate
1800 International Park Drive Suite 400
Birmingham, Al 35243
Phone: 205.879.3282 / 800.624.1872
Rachel Irwin
Trade Show & Event Coordinator
800.624.1872, ext. 1279
Products & Services: dispatching, batching controls, mobile signaling, accounting software

Knapp Concrete Contractors, Inc. Contractor
John Ott
Steve Knapp
1649 Knapp Drive
Congerville, IL 61729
Phone: 309.448.2218
Products & Services: excavating, decorative concrete, commercial and residential concrete placement

We regret that in the September issue we incorrectly reflected the company name of new producer member Builders Sand & Cement.

Available From IRMCA

Membership pamphlets
Legislative Booklets
IRMCA Directories
Driver Safety Manual
Hazard Awareness Manual
Laying the Groundwork (video)
And more...

IRMCA Presents At South Suburban Building Officials Meeting

Illinois Ready Mixed Concrete Association members were invited to present a program at the regularly scheduled meeting of the South Suburban Building Officials on October 29, 2003. IRMCA members John Albinger, Jim Clarke, Dan Garreffa, Dick Plimpton, and Bruce Grohne chose to use a PowerPoint presentation that highlights the rationale and methods used during the development of specifications for exterior residential flatwork in the south suburban area. Presenters also touted the advantages of concrete driveways and parking lots to the more than 50 building officials and inspectors present. Many questions were asked and answered, and all present felt that a better understanding had been realized in the area of what must be done to achieve high quality and durable concrete. Each official present was given a copy of the developed specifications and encouraged to consider adopting all or part into their regulations.

NOTICE TO IRMCA MEMBERS: The program mentioned above, while developed in the south suburbs, can easily be adapted for presentation in any area of Illinois. The program shows how concrete can be batched, placed, finished, and cured so that the final product will be of high quality as well as durable. It also addresses issues of accountability and acceptability. We are anxious to spread this word around the state. If you know of a group that you feel could benefit from a presentation along these lines, call Dick or Bruce at the IRMCA office.

The last group of people I need to thank is the board of directors. I am always impressed at their knowledge and dedication to our Association and industry. Thanks again for all of your hard work and help this past year.

Once again, I wish each and every one God's blessings throughout the New Year.

IRMCA Selects Its First High School Essay Contest Scholarship Recipient

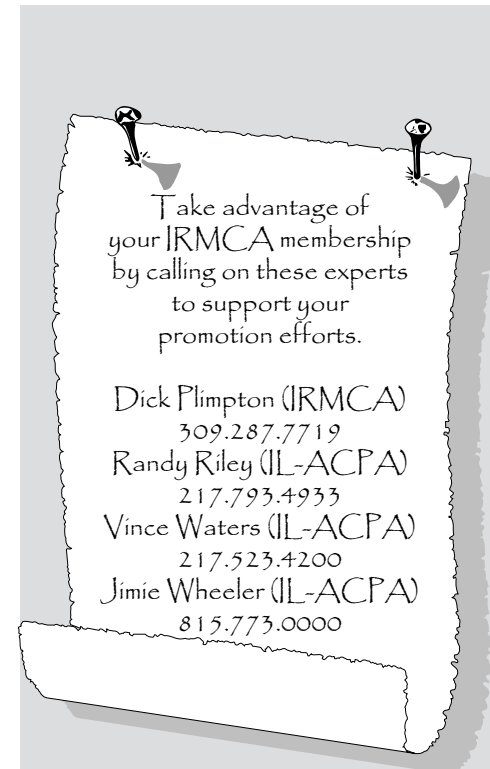
Joshua Richardson, a senior at Saint Charles North High, was recently selected to receive IRMCA's first annual statewide high school essay contest scholarship - a \$500 award - for his essay, "The Environmental Advantages of Concrete." The contest, an expansion of IRMCA's scholarship program, was open to all Illinois high school students ages 16-18, and entries were received from students all over the state. Essays were judged on content and writing ability and were required to demonstrate a student's awareness of concrete's role as a building material in homes, commercial buildings, streets, and highways. Richardson's essay, which focuses on the environmental advantages of concrete as a building material, states, "Concrete is a material that can be created with few detrimental effects to the environment, is entirely recyclable, and is safe and efficient to use."

Richardson plays in both the St. Charles North school band and its highly acclaimed jazz band as well as participates in cross-country team. He plans to attend Michigan Tech next fall and will most likely study chemical engineering. Richardson's essay is now entered in the national essay contest, sponsored by NRMCA. The national scholarship recipient will be announced in January 2004.



Joshua Richardson, a senior at Saint Charles North High, received a \$500 scholarship from IRMCA for his winning essay, titled "The Environmental Advantages of Concrete." This is the first year that IRMCA has sponsored a high school scholarship

essay contest in conjunction with NRMCA's national contest.



Take advantage of your IRMCA membership by calling on these experts to support your promotion efforts.

- Dick Plimpton (IRMCA) 309.287.7719
- Randy Riley (IL-ACPA) 217.793.4933
- Vince Waters (IL-ACPA) 217.523.4200
- Jimie Wheeler (IL-ACPA) 815.773.0000

IRMCA Is Grateful For Its Reception Sponsors

- CEMEX, gold
- Continental Cement, gold
- ESSROC Cement, gold
- Holcim (US), gold
- Illinois Aggregate Equipment, gold
- Illinois Cement, gold
- Lafarge North America, gold
- Lehigh Portland Cement, gold
- Lone Star Industries, gold
- McNeilus, gold
- River Cement, gold
- St. Mary's Cement, gold
- W.R. Grace, gold
- Barnes Industrial, silver
- Brett Admixtures, silver
- General Resource Technology, silver
- Master Builders, silver
- Material Service Corporation, silver
- Vulcan Materials, silver
- Bekaert Corporation, bronze
- Industrial Systems, bronze
- NPC Bidco, bronze

Calendar of Events

- January 12-13- Short Course, East Peoria, Illinois
- February 15-17- Annual Convention, Orlando, Florida
- April 13&14- Ready Mix Owner/Operator Meeting, TBA
- June 4-6- Summer Meeting, Springfield, Illinois
- September 8- Harvey Hagge Scholarship Golf Outing, Washington, Illinois

Illinois Ready Mixed Concrete Association
303 Landmark Dr., Ste. 1-A
Normal, IL 61761

Phone: 309-862-2144/
800-235-4055
Fax: 309-862-3404
E-mail: irmca@irmca.org
Web: www.irmca.org

Mission

To be the voice for the ready mixed concrete industry in Illinois. To promote the use of quality ready mixed concrete through innovative educational programs. To accomplish common goals as an organization that cannot be done individually.

Kerasotes Theaters Chooses Concrete

By Richard Plimpton, P.E.
Director of Marketing & Promotion

Johnson Building Systems, Inc. took a hard look at the specifications for the parking lot of the Kerasotes Theater 8 project in Galesburg, Illinois. The specifications for flexible pavement required for Light Duty are 1 1/2-inch surface course, 1 1/2-inch binder course, and 8-inch CA-6 granular subbase. The heavy duty section called for 1 1/2-inch surface coarse, 2 1/2-inch binder coarse and 10-inches of CA-6 granular subbase. From past experience, they knew they could install a concrete lot at a price competitive to the flexible pavement specified.

For their voluntary alternate, Johnson Building Systems chose to use 5-inch concrete for the light duty areas and 7 inch concrete in the heavy duty areas, all on 4-inch CA-6 granular subbase. Poor soil conditions, identified by

the soil report, would require soil modification with lime treatment regardless of pavement type.

When the owner learned that concrete roads and parking lot added only 2% to the total contract, the concrete design was readily accepted.

A new twist on this project was the use of a Somero 240 laser screed equipped



Pictured above: The Kerasotes project included curb to curb concrete placement. The pile of concrete in the foreground was used to build the integral curb.

Pictured below: In a new twist, the laser screed, equipped with a Spectra Precision 3-Dimension laser system, was programmed to fit the contours within the placement area.



Pictured above: Texturing the wide placement required an additional worker to move the broom.

with Spectra Precision 3-dimension laser system furnished by Midwest Laser in Rock Island, Illinois. This system allows the laser to tilt to fit the contours of the placement so that only the outside limits of the placement area are formed. The contractor's 10-man crew consistently placed 60 to 70 yards per hour. Where a curb was required, concrete was placed on the slab and then hand finished to form an integral curb.

Galesburg Builders Supply, located in Galesburg, Illinois, furnished the 4000 psi mix that included one pound of Micro Fiber from W. R.

(Continued on back cover)

(Kerasotes continued from page 4)

Grace. Galesburg concrete salesman Rich Sefried stated, "This changed an 850 cubic yard project to a 5100 cubic



Deichmueller Construction Benefits From IRMCA Membership

By Jim Amundsen, W.R. Grace & Company

Charlie Deichmueller, one of IRMCA's first contractor members, wasted no time in utilizing the knowledge he had learned at a recent IRMCA program. Charlie had seen a presentation on SCC (Self Consolidating Concrete) at the Summer Meeting in Galena and now was faced with a pour he felt was ideal for this new technology. A 22' x 22' box, with 24' high walls, 15"-18" thick, loaded with rebar and several box outs at different elevations. A very difficult area to place concrete into the forms for proper consolidation around the box outs.

Deichmueller partnered with Bill Plantan of Mertel Gravel, and W.R. Grace, to approach Chamlin & Associates of Peru for product approval



Left: Workers complete inspection on the 24' wall prior to the Self Consolidating Concrete pour. The wall is loaded with rebar and several boxouts at different elevations.

Below: Concrete flowed under boxout and around the corner. This was an area of very congested reinforcement.



of SCC. After some discussions, the concept, and products were approved. On Thursday, August 28th, 120 cubic yards of SCC was placed at the LaSalle CSO project. The top of the walls were covered with burlap and wet cured through the holiday weekend, until form removal on Tuesday, Sept. 2nd. One day compressive strengths exceeded 4100psi. According to Deichmueller, "Because of my membership and participation with IRMCA, I was able to learn of this new technology and utilize it in my business. I plan on using SCC on another project by the end of the year."

Laser Perfect!

Edwards Ready Mix Utilizes Laser Screed For a "Feels Like Glass" Finish

Edwards Ready Mix of Geneseo and general contractor Russell Construction of Bettendorf, Iowa, teamed up to pour the floor of a 65,835 square foot warehouse and trucking terminal for Wyffels Hybrids in Atkinson, Illinois. The floors were placed in two pours and were laser screeded to keep the surface as even and smooth as possible. The floors were finished and cured to a final result that "feels like glass," according to a satisfied Bill Wyffels, president of Wyffels Hybrids. Congratulations to all involved in this successful project.



The first pour of the project nears completion. Using a laser screed affords an extremely smooth surface.

ATTENTION PRODUCERS and CONTRACTORS:

IRMCA would love to feature your successful concrete ventures in its newsletters. It's fun and informational to record these projects. Dick & Bruce both have cameras and cars and are anxious to share your undertakings with the rest of the organization. With a little notice, one of them will be there!

Legislative Report

Hundreds of Truckers Gather at State Capitol To Protest Unfair Truck Fee Increases & Loss of Rolling Stock Exemption

Legislators working in the Capitol Building the morning of November 18 probably found it hard to concentrate as several hundred tractor trailer trucks, dump trucks, garbage trucks, concrete trucks and more circled the building with horns blaring, calling attention to trucking related issues and concerns in Illinois. While signs were displayed that asked for weight law changes, most truckers were in Springfield to protest against unfair truck fee increases and the loss of rolling stock exemption.

Spearheaded by the Mid-West Truckers Association, the rally featured several legislative leaders, including Senate Minority Leader Frank Watson, who spoke to the assembled truckers, who were sympathetic to their concerns, and who vowed to fight on behalf of these concerns. Following the speeches, truckers entered the capital building to meet with their legislators (and, if possible, the

governor) to express their opinions on the recently imposed fee and to ask for its repeal. While organizers were pleased with the turnout, the full impact of the lobby day will probably not be known until the beginning of the next session.

Right: Demonstrators met at the Illinois Capitol Building to protest truck license fee increases.



Above: Frank Watson, Illinois Senate Minority Leader, speaks to the truckers gathered at the state capitol building. Hundreds of trucking industry representatives were present.

Left: This Curry Ready Mix & Builders Supply truck is one of several representing IRMCA members on November 18.



Safety Committee Encourages Use of Training Manual

By Steve Metz, Safety Committee Chair

What have you done to bring your employees information that is vital to their success in your industry and in your specific operation? What do they have in their possession that they can refer to for information that will guide them through their work day and through their employment with your company? Consider the following:

- Would you like to communicate their obligations as a CDL Driver?
- Would you like to give them basic information on your product that would explain the effects of water, slump and their responsibility with regards to a quality product?
- Would you like to communicate safety; would you like them to be informed about OSHA Safety requirements for your industry?
- Would you like to educate them on

the dynamics of a ready mixed concrete truck and the weight distribution factors that cause rollovers?

- Would you like them to know what your company and Federal DOT requires of them in regard to truck inspections?
- Would you like for them to have a map of their day from loading their truck to the end of the day?
- Would you like them to have a copy of a progressive disciplinary policy that they are responsible to?
- Would you like to let them know how important it is for them to look good, treat your customers with respect and operate in a professional manner?

If these things are important to you, please talk to the IRMCA office staff about the IRMCA Safety Committee's "Ready Mix Truck Driver Training/

Orientation manual". The manual is on CD and will allow you to customize it by adding, removing, or altering the material. It was written by ready mix producers like you and it is being used effectively by ready mix producers like you. We encourage you to consider this manual and we recommend you personalize it to your personal needs. Much of the work has been done for you which is our purpose and our goal. This manual is something that we consider to be one of the ways you can make your IRMCA membership a value for your company. We hope it works for you.

Tech Notes

By Terry Murphy, Specifications Committee Chair

In the interest of keeping you informed, I attended the Pilot IDOT Level III Course in Mix design on December 4 & 5th. This was the pilot, or test class, before Lakeland starts teaching the class in January. This class is in preparation for the industry assuming the responsibility for PCC designs probably in 2005. Mortar void design methods will be taught and as long as minimum cements and other IDOT specifications are adhered to, nothing much will change except that we will submit our mix designs rather than receiving them from IDOT. If you are involved in QC/QA work, you should be thinking of getting involved.

Information is available through Lakeland College just as in the other classes.

Also, Dick Plimpton, Randy Riley, myself, and others attended an aggregate workshop put on by the Federal Highway Administration addressing the subjects of Aggregate Durability, Alkali Silica Reactivity (ASR) and D- Cracking. This workshop was attended by over 50 IDOT personnel and a number of industry people. We will share information as it becomes available.

The QC/QA Course schedule is available at the IRMCA office (800.235.4055/irmca@irmca.org).

The Ready Mix Truck Driver Training/Orientation Manual is available at the IRMCA office (800.235.4055/irmca@irmca.org).

Also available is the Hazard Management System.

The November 2003 HR Exec reported the results of a new study by the NFIB (National Federation of Independent Business), who found that 48% of small businesses offer health care to employees. Of those, 55% require no employee premium for single coverage. One third required no employy contribution for family coverage.

2003 Harvey Hagge Scholarship Golf Outing Pine Lakes Golf Club

On September 3, Pine Lakes Golf Club in Washington, Illinois, was once again the venue for the Illinois Ready Mixed Concrete Association Harvey Hagge Scholarship Golf Outing. The weather was perfect as over 90 golfers “hit the links”. Not only did IRMCA members play, they also sponsored holes, participated in “games”, and bought raffle chances; all toward the goal of supporting IRMCA’s scholarship program. At the end of the day, almost \$9000 was deposited into the scholarship account, making this a very successful event.

A special attraction this year was a hole-in-one contest sponsored by Walters Brothers Harley Davidson which featured a 2003 Harley Davidson Road King (#3), Ben Hogan irons (#8), a 3 day/2 night vacation (#14), and a DVD/CD player (#17). While no holes in one were recorded, we can report that Matt Moeller was closest to winning the bike-about 4 feet away. Thanks to the Wiebler family of Walters Brothers.

Following golf, players and non-players gathered for a sponsored reception followed by a steak dinner and awards. Special thanks are due to the Maxheimers and the staff at Pine Lakes; to Committee Chair Jim Amundsen who not only planned the event, but who patiently and successfully sold closest to the pin chances on #5; to Dick Plimpton who watched over the hole in one contest on #3; to Dennis Oedewaldt, Jon Vrabel, Jennifer Bedell, and Whitney Rush who manned the refreshment carts, and to Cheryl Moeller who stuck the executive director in a cart and kept him out of everyone’s way.

It cannot be stated often enough—this annual golf outing is currently the sole source of funding for the IRMCA Scholarship program. Sincere thanks to all who support and/or participate in this event—it’s one of the best and most visible things we do!



Above: Jim Ruppel (Jim’s Basement) and Dennis Probst (Mid-Illinois).

Below: event chairman Jim Amundsen (W.R. Grace) is “making a list and checking it twice.”



Left: Pam Rieger (Forrest Redi-Mix).

Below: Matt Moeller (Moeller Ready Mix) came closest to winning the Harley Davidson.



IRMCA sincerely appreciates its reception sponsors (listed on page 3) and those who provided prizes: Barnes Industrial, McNeilus, & Putzmeister

Congratulations, Event Winners

Low Gross—Jim Ruppel (71), Ken Highlander (71), and Stan Larson (74)
 Low Net—Brad Wiebler, Stan Maxheimer, and Jim Caulk
 Long Drive—Bob Fulton
 Long Putt—Tim Huiner
 Closest to Pin—Scott Steidinger and Steve Wiebler

Left: (left to right) Ken Highlander (Ready-Mix Service), Dick Plimpton (IRMCA), Jim Posadny (Continental Cement), Tom Beck (Continental Cement), Dave Swanson (Continental Cement), and Jim Caulk (Ready-Mix Service).



Above (left to right): Scot Steidinger (Chief Redi-Mix), Mike Baker (Lafarge North America), Bob Nowicki (Lafarge North America), and Jim Jensen (Lafarge North America).

Left: Ken Highlander (Ready-Mix Service) sets his sight on a new Harley Davidson Road King. This motorcycle was one of the prizes for the hole-in-one contest sponsored by Walters Brothers Harley Davidson; other prizes included Ben Hogan irons, a 3 day/2 night vacation, and a DVD/CD player.

Joints in Concrete Pavements

Part III – Joint Spacing for Parking Areas

By Randell C. Riley, P.E.

One of the more frequent questions I get about joint layout and joint spacing is “How far apart should the joints be?” Implied in the dangling construction of the question is usually the word cut, formed or tooled. Which type doesn’t make that much difference. The spacing does, and for this reason it is a very good question.

Over the years I have been involved in pavement design I have seen a gradual evolution to shorter and shorter joint spacings. When I first started in the business, the “rule of thumb” was 2.5 times the thickness in inches expressed in feet or about 30 times pavement thickness. For example, a 6-inch pavement would require a joint spacing of 15 feet. In recent years in an effort

to more tightly control the incidence of random cracking, the industry has suggested tightening the tolerances still further. A common “rule-of-thumb” today is 27 times pavement thickness on granular subbase or soil and 21 to 25 times pavement thickness on stabilized material or pavements placed as some type of overlay of an existing pavement.

To most people unfamiliar

“In my entire professional career as a concrete paving engineer, I have never been called to look at a problem caused in a project by having too many joints.”

with pavement design the latter recommendation seems contrary to common sense. Why would joint spacing be less on a stabilized platform than on subgrade or granular material? In reality, the harder the platform on which the pavement is placed, the greater impact of differential temperature shrinkage and drying shrinkage on the structure. On a stable or very hard platform the pavement will curl and warp.



The uplift of the slab corners and edges (a phenomenon sometimes observed in warehouse floors) results in stresses being induced, not just by vehicle loading, but by the weight of the concrete hanging unsupported in space. Granted that the space is usually less than a few hundredths of an inch, but to the concrete slab it makes no difference. As soon as the concrete lifts, whether at the middle of the slab or at the corners, the tensile stresses can exceed the strength of the concrete and cracking will result.

Slabs placed on softer subgrade or unbound granular material can actually settle into the platform resulting in more uniform support. Think of the analogy of sitting on one of those nice soft reclining loungers compared to the types of chairs you usually have to sit in while enduring one of my long-winded design presentations. Where is it easiest to relax, and why do you think I like you to have those nice stiff high-back chairs? A pavement “feels” the same way you do in those chairs. For this reason the joint spacing can be longer on a softer subgrade. More of the pavement is supported. Curling and warping are still present, but the support, though less, covers a broader area underneath the pavement

(Continued on page 14)

(Joints In Concrete continued from page 10)
So, back to the original question: “How far apart should the joints be?” The chart shown below provides

Downtown Galena Gets A Concrete Make-over

On September 25, the American Concrete Paving Association-Illinois Chapter welcomed over 100 members of the Galena, IL community to an outdoor “Cocktails on Concrete” reception to celebrate the completion of downtown concreting for 2003. Merchants who were affected by the construction, construction workers themselves, community leaders who championed the project, and community leaders who had needed to be convinced were all present to laud the project and the “new look” of the business district of Galena. Before and after posters were scattered around the tent to show viewers what the area looks like now compared to what it looked like prior to start of the project. As the evening wound down, departing guests were unanimous in their satisfaction and praise of the project. Good job Jimie!



Above: Galena folk celebrate completion of the downtown project.

Below: A variety of concrete was used, including plain and stamped.



For a good review of the principles of jointing, “Design and Construction of Joints for Concrete Highways,” IS060.01P, is an excellent publication. Though written for highways, the same principles apply to parking areas. Available from American Concrete Pavement Association, Skokie, Illinois.

Please support the Associate Members of the Illinois Ready Mixed Concrete Association.

SUPPORT THOSE WHO SUPPORT YOU

- A. Anderson Building Systems
- Ameren Energy Fuel & Services
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- Deslauriers, Inc.
- ESSROC Cement Corporation
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- Solomon Colors
- Stuart Tank Sales Corporation
- Terex Advance Mixer, Inc
- Truck Country
- Viking Trucks & Equipment Sales, Inc.
- Vulcan Materials Company
- W. R. Grace & Company

The IRMCA staff regrets any omissions from the above list.

SUPPORT THOSE WHO SUPPORT YOU

2004 ILLINOIS CONCRETE CONFERENCE

January 22 & 23, Chicago

Sponsored by ACI-Illinois

***Sessions on New Concrete & Concrete Repair**
***Exhibits open all day**

Exhibition and registration information
 available through IRMCA member Jim Clarke
 (708-479-3080, ext.227 or
 jimclarke@ozinga.com.)

Word Search Contest Guidelines

- 1 Complete the word search
- 2 Complete the entry form below.
- 3 Send a copy to the IRMCA office.
- 4 Each person who returns a correctly completed puzzle to the IRMCA office by January 30, 2004, will have his/her name entered in a drawing for prizes.
- 5 Names will be drawn in early February and winners will be notified by phone.
- 6 The word search puzzle and the names of the prize winners will be published in the March *IRMCA News*.

Word Search Contest

In the word search puzzle below, you will find twelve words related to the concrete industry.

NOTE: word may be vertical, horizontal, diagonal, or backwards.

A	C	D	O	L	P	G	T	H	J	R	D	I	M
T	S	C	A	L	I	N	G	E	I	T	N	L	S
K	G	P	C	A	L	I	N	G	L	Y	I	D	N
B	S	D	A	T	N	K	I	R	K	X	F	U	E
A	L	A	S	E	R	C	N	A	H	C	O	R	R
C	J	X	P	W	O	A	K	H	V	S	U	A	U
K	P	T	H	L	G	R	S	C	A	T	I	B	S
H	T	R	A	I	B	C	L	S	X	S	L	I	R
O	I	X	L	P	G	L	A	I	Y	R	H	L	N
E	U	R	T	S	I	O	M	D	E	T	K	I	I
J	F	G	Q	X	I	D	K	S	T	N	L	T	A
C	O	N	T	R	A	C	T	O	R	X	T	Y	T
F	G	H	R	C	A	S	L	I	D	L	A	C	S

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ILLINOIS READY MIXED CONCRETE ASSOCIATION

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 IRMCA
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 Suite 1-A
 Normal, Illinois 61761

⇒ For more information call:
 1-800-235-4055

SUBMISSION DEADLINES FOR 2004

March issue: February 6, 2004	June issue: May 7, 2004	September issue: August 6, 2004	December issue: November 5, 2004
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Jon Vrabel (United Ready Mix), Mark Blager (Champaign Builders Supply), and Jim Clarke (Ozinga Illinois) won our crossword puzzle contest!

(Solution given at left.)

They each received a 2004 Ready Mix Concrete Truck!

Insert Lone Star ad here

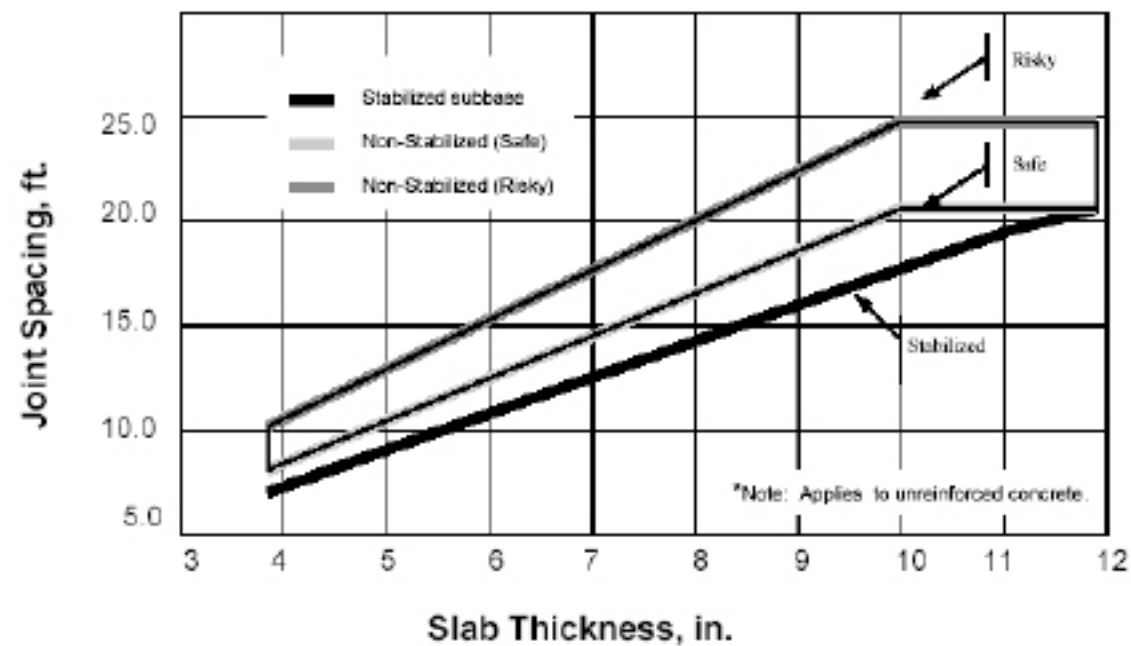
IRMCA Family News

Congratulations to Mike Ames, who has recently joined the General Resource Technology sales team.

guidelines as to the target joint spacing. But consider it a place to start. Shorter joint spacing is always better. If there is one overriding concept in figuring out what the joint spacing should be, keep in mind one think. In my professional career as a concrete paving engineer, I have never been called to look at a problem caused in a project by having too many joints!

Next time, more on parking lot jointing and the "Tension Ring."

Parking Area Joint Spacing vs. Slab Thickness



About Randell C. Riley, P.E.

Randell Riley is an Engineering Consultant for the Illinois Chapter – ACPA, Illinois Ready Mixed Concrete Association and the Great Lakes Cement Promotion Association. He is actively involved in the day to day promotion of long-life quality concrete pavements. He can be reached at 217-793-4933 or on the Internet at pccman@insightBB.com.

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yard project. We had experience with the Johnson crew and knew we would have to keep the concrete coming, especially with the laser screed.”

Terracon Consultants provided on-site construction inspection. Concrete tests were made every 50 cubic yards. With the data available, Sefried was able to use an ACI Analysis program (available from the Illinois Ready Mixed Concrete Association) to determine project results of average strength 5310 psi, Coefficient of Variation 9.6% and Standard Deviation 509 psi. This was a quality project for the owner.

“It pays to ask for the business”, says Jack Johnson, Johnson Building Systems, Inc. Have you?

In the next issue of the IRMCA News...

- *2004 Short Course
- *Ready Mix Owner/Operator Meeting
- *Web Site Expansion Project
- *IRMCA Scholarship Recipients

Short Course

January 12 & 13, 2004

PAR*A*DICE Hotel & Casino
East Peoria, Illinois

*Terry Holland discusses troubleshooting hardened concrete.

*Jim Dieters (KRMCA) presents “How to Get Out of the Ready Mix Trap.”

*Luke Snell (SIUE) speaks on “Acceptance of Concrete”

*IDOT representatives give updates

*Updates on how the events in Springfield are affecting our industry.

*And much more...

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