

February 2011



Concrete Reinforcer

A Publication of the Chicago Chapter ICRI



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Local recognition of National Project Awards/
Local Project Awards
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16th Annual Chicago Chapter Golf Outing
- **PHOTOS:**
Holiday Board Social
November Dinner Meeting





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CALENDAR OF EVENTS

FEBRUARY

- 22 **ICRI Chicago Chapter Dinner Meeting:
"Local Recognition for ICRI National
Project Awards"**
Ditka's, Oak Brook Terrace, IL

MARCH

- 16-18 **ICRI 2011 Spring Convention: "NDE
& Structural Health Monitoring"**
Houston, TX
- 24 **Glenrock Company's 28th Annual
"State of the Art" Show**
Drury Lane Theatre, Oakbrook Terrace, IL

APRIL

- 19 **ICRI Chicago Chapter Dinner Meeting**
Erie Café, Chicago, IL
- 29 **Scholarship Application Deadline**

JUNE

- 9 **16th Annual Scholarship Golf Outing**
Indian Lake Resort, Bloomingdale, IL

SEPTEMBER

- 20 **ICRI Chicago Chapter Dinner Meeting**
Ditka's Oak Brook Terrace, IL

OCTOBER

- 12-14 **ICRI 2011 Fall Convention: "Water &
Wastewater Treatment Plant Repairs"**
Cincinnati, OH

NOVEMBER

- 11 **ICRI Chicago Chapter Dinner Meeting**
Erie Café, Chicago, IL

OUR ASSOCIATION...

ICRI, the only association in the concrete industry devoted solely to repair and restoration, publishes a bimonthly magazine and technical guidelines for concrete repair, and cosponsors the World of Concrete. Local chapters provide regional networking opportunities. Worldwide membership include contractors, manufacturers, engineers, distributors, owners, and other professionals with a common goal: prolonging the useful life of concrete through quality repair, restoration, and protection.

OUR MISSION...

The mission of the International Concrete Repair Institute is to be a leading resource for education and information to improve the quality of repair, restoration, and protection of concrete and other structures in accordance with consensus criteria.



LETTER FROM OUR PRESIDENT



Greetings and Happy New Year to all! I would like to formally introduce myself and let everyone know that I am truly honored to serve as your 2011 ICRI Chicago Chapter President. I would also like to welcome our three new board members: Shane Crowe of United Restoration and Preservation, Inc; Suzanne Emery of Allied Building Products Corp; and Terry McDonald of Klein and Hoffman, Inc. Additionally, I would like to thank past President Pat Martin for his outstanding leadership in 2010 and all the folks at Carl Walker Engineers for their continued dedication and support of our organization. And lastly, I would like to thank you, our local Chicago Chapter Members and Advertisers for your ongoing membership and continued support.

2011 will be an exceptional year for our chapter. We are staffed with one of the most proactive, dedicated group of board members, all of whom are volunteers, hard at work already with one goal in mind: to improve the quality of concrete restoration, repair and protection, through education of and communication among, the members and those who use their services....and have fun doing it!

ICRI was originally formed in 1988 in response to the stated concerns of a number of the persons in the concrete repair industry who were disturbed at the quality of many of the repairs being performed in the industry. The object was to bring together those people who were truly interested in improving their industry and to use their concerted efforts to bring about meaningful change. ICRI Chicago Chapter Handbook 2002

With these ideals in mind we have devised our 2011 itinerary to reflect the founding principals of ICRI. We will be providing dinner meetings agendas designed to showcase our local community, provide education, and promote an environment comfortable for networking. Through our local newsletter, website, and emails, we will communicate to our members the most recent information from ICRI National and provide data on the developing certification programs and training literature available. Our fall seminar will reflect the ICRI National theme and we will provide scholarships to deserving applicants in our field. And of course we'll have fun with our annual golf outing, summer event and holiday social.

I have been a member of this chapter for over 5 years and have seen the growth and dedication of our chapter first hand. However, I realize we have barely scratched the surface of our full potential. We enjoy the fact that our chapter is a well balanced organization, proportionally divided amongst engineers, contractors and material manufacturers/suppliers. So...please take advantage of the offerings we provide. Come to our monthly dinner meetings, attend our seminars, join a committee, participate in the golf outing, and read the quarterly newsletter which can provide you with all the details you need. If you have any questions, suggestions or comments please feel free to contact me. I hope to see everyone this year as much as your schedule allows!

Yours truly,

Craig Frier
President-ICRI Chicago Chapter



CHICAGO CHAPTER 2011 OFFICERS & DIRECTORS

The 2011 Chicago Chapter Officers and Directors are already hard at work under the leadership of our new President, Craig Frier.

President Craig Frier
Sika Corporation
847-767-2414
frier.craig@sika-corp.com

Vice President Jeff Smith
Mapei, Inc.
708-977-7776
jsmith@mapei.com

Secretary Jeff Zeitler
McCann Industries Inc.
630-327-7436
jzeitler@mccannonline.com

Treasurer Sean Meracle
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312-666-5245
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312-251-1977
tmcdonald@kleinandhoffman.com

Alex Szatanek
Thornton Tomasetti, Inc.
312-848-1487
aszatanek@thorntontomasetti.com

Tim Zera
Zera Construction
847-470-6047
tzera@zeraconstruction.com

New 2-year term

Shane Crowe
United Restoration and Preservation, Inc.
815-530-9631
shanec@urpinc.com

Suzanne Emery
Allied Building Products Corp.
708-955-7559
suzanne.emery@alliedbuilding.com

Zelina Laube
Klein and Hoffman, Inc.
312-251-1931
zlaube@kleinandhoffman.com

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COMMITTEE	CHAIRMAN	PHONE	E-MAIL
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Communications	Alex Szatanek	312-848-1487	aszatanek@thorntontomasetti.com
Financial	Sean Meracle	312-666-5245	sean.m.meracle@sherwin.com
Golf Outing	Bob Dilla	708-562-6700	bdilla@glenrockcompany.com
Membership	Jeff Smith	708-977-7776	jsmith@mapei.com
Nominations	Craig Frier	847-767-2414	frier.craig@sika-corp.com
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Jeffery G. Smith

Concrete Restoration Systems Representative



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CONCRETE SPECIALISTS

236 East 161st Place, Suite A
South Holland, IL 60473

www.jgillandcompany.com

Jim Gill

Phone: 708.596.4455
Cell: 708.514.8568
Fax: 708.339.0259
jgill60473@aol.com

ICRI CHICAGO CHAPTER MEMBER SPOTLIGHT: J. GILL AND COMPANY

COMPANY PROFILE: Since 1996 J. Gill and Company has provided a wide range of concrete repair and restoration services for commercial, municipal, industrial and institutional clients. These services include concrete removal and replacement, waterproofing applications, shotcrete, expansion joint installations, shotblasting, strengthening applications utilizing carbon and glass fiber and post tension repairs. Since its inception, J. Gill and Company completed many different types of repair and restoration projects such as parking garages, balconies, plazas and pool decks, vaulted sidewalks, and stadiums. J. Gill and Company is located in South Holland, Illinois and works throughout the Chicagoland area. In recent years we have completed projects in Urbana, Peoria and Springfield, Illinois as well as projects in St. Louis, Milwaukee, Kansas City, Miami and South Carolina.

REPRESENTATIVE PROJECTS:

Cherry Creek Condominiums Balcony Restoration: Cherry Creek Towers is a 6 story condominium building located in Homewood, IL. J. Gill and Company was hired to perform concrete and handrail repairs, apply a pedestrian waterproof coating to the top balcony surfaces and edges and apply a protective coating to balcony soffits. The scope of work included edge, partial and full depth repairs as well as complete removal and replacement of several completely deteriorated balconies. J. Gill and Company worked with the building's residents to ensure measures to reduce noise and dust were enforced. This project was successfully completed on time and under budget, and, to the great satisfaction of the building residents.

AON Center Parking Facility Level 5 Repairs: In the AON Center, located at 200 E. Randolph in Chicago, is a 5 level parking facility. Level 5 is the lowest, or on-grade level. This level experienced major concrete deterioration due to years of standing water, laden with de-icing salts, brought in as cars entered the facility. The floor was basically flat, not allowing water to drain. The existing sub-surface drainage system was also severely undersized and was blocked in many areas.

J. Gill and Company worked multiple shifts to allow for noisy work to be completed at night. Approximately 1,600 lineal feet of new sub-surface storm drain, and (19) new floor drains were installed. J. Gill and Company then removed an average of 6" of concrete from the surface of the floor. Almost 3,000 cubic yards of concrete was poured in the over-lay. The new floor was sloped to the drains, correcting the previous drainage issues. A floor sealer and new traffic markings were installed and the entire fifth level was painted.

This entire project was completed while noise issues were minimized, and J. Gill and Company adhered to a very tight schedule to accommodate the owner and their tenants.



Carle Foundation Hospital North Parking Structure Repairs: Located in Urbana, IL, this structure is one of (2) two main parking facilities for this very busy hospital. Following a condition assessment, the owner was informed of severely deteriorated concrete at the expansion joints and pour strips at almost every level of the four elevated levels. This deterioration then caused severe damage to the post tension anchors.

Getting a late season start with repairs, the owner elected to close the garage in order to get all work completed before winter set in. J. Gill and Company removed and replaced all existing post tension anchors at the expansion joints with new end anchors. Intermediate anchors were installed at the construction joints and new cable was spliced to existing. Following all concrete replacement and other repairs, a traffic membrane was installed at all elevated levels. The owner greatly appreciated J. Gill and Company's level of commitment to the schedule, as all contracted work was completed before the cold weather set in.

Key ICRI Contacts: Jim Gill, President of J. Gill and Company, Jim Bax and David Christofanelli are all active members of the Chicago Chapter of ICRI. Jim Bax is a former ICRI board member and is currently involved in several ICRI committees.

CONTACT INFORMATION: J. Gill and Company (Jim Gill • Jim Bax)
236 E. 161st Place, Suite A
South Holland, IL 60473
708-596-GILL (4455)

RIVER ROAD PARK PLAZA RESTORATION

The River City building at 800 South Wells in Chicago, Illinois, is a 17-story residential building located directly at the South branch of the Chicago River. The building was designed by renowned Architect Bertrand Goldberg and was constructed in 1986. This uniquely contoured building, which is serpentine in shape, was originally intended to be the first in a series of four such structures; however, the remaining three were never built.

At the base of the serpentine-shaped residential tower is a 3-story commercial building that's rectangular in shape. At the roof of the commercial structure is a 30,000 square foot green roof plaza (River Road Park Plaza) used as an amenity space for the building residences, with residential patios lining the west edge of the park. After 25 years, the plaza waterproofing no longer provided adequate waterproofing protection; poor drainage at the plaza surface resulted in regular flooding of the residential patios and the plaza required replacement. In 2009, the Commercial Owners contracted with **Carl Walker, Inc.**, Restoration Engineers, and Jacobs/Ryan, Landscape Architects, to design a plaza restoration for the River Road Park Plaza. In November of 2010, Zera Construction Contractor successfully completed the work.



Excavations were performed at the beginning of the project in order to verify existing conditions at key locations around the park. Through this investigation, it was identified that the park was constructed with no insulation or drainage mat. Additionally, piping connected to residential patio drains was found to be no more than drain tile, which terminated into the adjacent landscaping.



As part of the restoration effort, it was critical to address the excavation findings and incorporate insulation and improved drainage into the design. One of the primary components of the new design included the construction of a kneewall at the outer edge of the residential patios in place of the original 6" high curb. Raising the elevation by 24", the new landscaping was graded away from the patios, eliminating the watershed issue which had traditionally plagued them. This approach resulted in a net reduction in the overburden load as adjacent areas of the

soil depth were reduced. New drains were installed at every patio and piped directly into the stormwater system for the building. Continuous layers of insulation and drainage were provided over the entire plaza surface.

Construction phasing also proved to be a challenge on this project. Located at the third-level roof, all materials had to be craned in and out of the site. It was important to minimize leaking into the occupied spaces below the park at all times during construction. This was particularly critical above the Verizon Communications hub which houses highly water-sensitive switchgear equipment that services the Chicago area. For this reason, Zera was limited to removing only as much membrane as could be replaced that same day over parts of the plaza. Additionally, 48-hour water testing of the membrane was not allowed; instead, electronic leak detection was required.

Despite the design, and construction challenges that had to be considered as part of the restoration approach, coordination with the residential condominium association was perhaps the most critical component of the design. Although the project was paid for by the Commercial Ownership, who had contractual responsibility to maintain the membrane, the Residences owned the park above. All final design approvals required both Commercial and Residential Ownership approval. To address this, regular design meetings were held, with all parties represented, in order to keep the project on track. Additionally, a project website was maintained throughout construction to keep residents informed on the progress of the work, as well as provide a forum for feedback. This website was also used as a repository for project documents, such as field notes, schedules, etc. that could be accessed only by project team members.

Continued on Page 8

RIVER ROAD PARK PLAZA RESTORATION (CONTINUED)

The final landscape design provided the Residents with a space that honored the historical park layout, but provided an updated look with reduced maintenance. The design included winding paths and a more native plant and flower palette. It also allowed for some of the original trees to be saved, maintaining some of the maturity of the park, which was of very high importance for residential ownership. With this in mind, the plaza system was designed to allow for future membrane replacement without damage to the existing hardscape.

The resultant project provided a renewed green space in the City of Chicago. It was performed on-schedule and on-budget despite the myriad of logistical challenges. The restoration of the plaza continued as repairs to the building were in progress following flooding from the Chicago River. This project provided a win-win for both the commercial and residential owners.



2010 HOLIDAY SOCIAL

On Wednesday, December 1, 2010, the Chicago Chapter of ICRI hosted the 7th annual Holiday Social at Indian Lakes Resort. The event provided an opportunity for holiday well-wishing followed up with the traditional Texas Hold’Em tournament. The event also included a raffle raise money and food donations for the Greater Chicago Food Depository. In all, the event raised \$180 as well as a stockpile of food donations. Thanks to all of those who generously donated to this very worthy cause, and congratulations to raffle winner Don Redar of Bulley Andrews.

The Texas Hold’Em tournament, once again run by Mike McCluskey of BASF, started with 21 players of wide-ranging skill spread out over three tables. With the blinds doubling every 15 minutes, it didn’t take long for the final table to be set. Ultimately, it was Pat Martin of Carl Walker, Inc. who took home the championship, systematically dismissing opponents through an unlikely combination of luck and erratic playing style. When asked about his victory, Pat was quoted as saying “I’d rather be lucky than good”.

This victory also marks redemption for Pat who finished dead last in this same event two years prior. Congratulations to the remaining top five finishers: 2nd place winner Steve Nev of National Restoration, 3rd place winner Jack George of Ardex, Inc., 4th place finisher Alex Szatanek of Thornton Tomasetti, and 5th place finisher Bill Mahler of Carl Walker, Inc. This year’s honorable mention goes to Torrey Thompson of Carl Walker, Inc. who was the first out. In what has become an annual tradition of its own, Carl Walker, Inc. has produced the first out in each of the last three years.



2010 HOLIDAY SOCIAL (CONTINUED)

Thanks to everyone who contributed to this event, especially Mike McCluskey and Kelly Asuncion for their efforts in coordinating and running it. Thanks also to those who attended this event and took a few minutes out of their busy holiday schedule to share some holiday cheer with their colleagues at ICRI.



ANNOUNCEMENT

THE GLENROCK COMPANY'S 29TH ANNUAL "STATE OF THE ART SHOW"

Thursday, March 24, 2011

The Drury Lane Theatre
(Rte. 83 and Roosevelt Rd., Oakbrook Terrace)

4:00 – 8:00 pm

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INTERNATIONAL CONCRETE REPAIR INSTITUTE
CHICAGO CHAPTER

Date: Tuesday, February 22, 2011
**Topic: "Local Recognition of National Project Awards/
 Local Project Awards"**

FEATURED SPEAKERS: Kathleen Strnad, Klein & Hoffman, Inc.
Tim Zera, Zera Construction/Brett Laureys, Wiss, Janney, Elstner Associates, Inc.
Kevin Michols, Wiss, Janney, Elstner Associates, Inc.

2010 Winners of the ICRI National project awards will provide insight into their specific projects.

Kathleen Strnad, Klein & Hoffman, Inc.: "John G. Shedd Aquarium East Mezzanine Slab Reconstruction"

Continued growth of the 1927 historic John G. Shedd Aquarium necessitated the reconstruction of the east mezzanine for occupied space, a slab originally designed to function as a roof. Many challenges including high chlorides content due to salt filters, the need for the floor below to remain operational, and a high density of mechanical, electrical, and plumbing equipment below the slab was to remain operational and limited access for repair were encountered during the reconstruction.

Tim Zera, Zera Construction/Brett Laureys, Wiss, Janney, Elstner Associates, Inc.: "University of St. Mary of the Lake Mall Area Repairs" With over 80 years of service at the University, extensive deterioration was identified throughout the concrete and masonry structures. At the conclusion of the project, the team successfully restored the property to its former glory.

Kevin Michols, Wiss, Janney, Elstner Associates, Inc.: "Wheaton Center Apartment Building Exterior Rehabilitation" After 35 years, the exterior of this building was due for rehabilitation improvements. The project included 9,500 ft² of column repairs, 8,000 ft² of balcony slab/wall repairs, 3,000 ft² of interior slab repairs, 115 full balcony replacements, and protective coatings. The \$10.5 million rehabilitation was completed in 1 year due to a combination of innovative top-down construction sequencing and efficient logistics.

** In addition, winners of the local chapter awards will be announced.**

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Please respond no later than noon on **February 17th** to assure a dinner.

****Dinner selections will be taken at the event****

Name(s): _____

Company: _____

Address: _____

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Checks made payable to: **Chicago Chapter ICRI**

Send Checks to: ICRI, c/o Kelly Asuncion, Carl Walker, Inc., 1920 S. Highland Ave., Ste. 210, Lombard, IL 60148

NOVEMBER DINNER MEETING SUMMARY

On Wednesday November 17th the Chicago Chapter of ICRI along with the Illinois chapter of ACI hosted a joint dinner meeting at The Erie Café in Chicago. The meeting topic of "Silica Fume in Today's Concrete" drew a small group of 26 from ICRI and a like number from ACI. Tony Kolundic, Director of the Silica Fume Association presented on how silica fume is being used as an integral material for producing sustainable concrete, both for LEED certification and to extend service life of concrete structures. His slide presentation highlighted the new 7000-car Indianapolis Airport Parking garage, which used silica fume concrete.



ICRI OFFERS MOISTURE TESTING CERTIFICATION

For those of you who apply coatings this ICRI program should be of interest. ICRI has come up with a SLAB MOISTURE TESTING TECHNICIAN program with two Tiers of performance. Tier 1 is for those who are not regularly engaged in moisture testing, yet have an interest in learning more about the tests, what they mean and how they are performed. Tier 2 is a full certification program, with hands on training and testing. For more information and the listing of dates and locations of the next classes see the ICRI web site at WWW.ICRI.ORG and then click on "certifications".

PEOPLE ON THE MOVE


Patrick Martin of Carl Walker, Inc. has been promoted from Project Manager to Director of Restoration. In his new role as Director, Pat now oversees the Restoration Service Sector for Carl Walker, Inc. including leadership of administrative functions, national sales and marketing, sector growth, project production and quality, and personnel development nationwide.



2011 SCHOLARSHIPS

Application forms for the 2011 Scholarship Program are now available. Applications are due back to the committee by April 29, 2011. The Scholarship Program's goal is to assist undergraduates who have decided to study Engineering, Architecture, Construction Management, Concrete Industry Management, or a related field. Applications can be requested by calling Lee Sizemore at (630)-941-8970 or Email a request to l@sbcglobal.net.

John Dashner
Principal



215 N. Washington Unit F
Wheaton, IL 60187
Tel. 830.868.1551
Fax 630.856.1672
email: john@roofsealer.com



JEFFREY R. CARLSON, P.E., S.E.
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William A. Mahler, AIA
Restoration Manager
bmahler@carlwalker.com

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Brian Hoffeller
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INTERNATIONAL CONCRETE REPAIR INSTITUTE
CHICAGO CHAPTER

16th ANNUAL CHICAGO CHAPTER GOLF OUTING

WHEN: Thursday - June 9, 2011

WHERE: Indian Lakes Resort
250 West Schick Road
Bloomington, Illinois

START: 8:00 AM



The Chicago Chapter of ICRI is holding its Fifteenth Annual Golf Outing Thursday, June 9, 2011 at Indian Lakes Resort. There will be a shotgun start at 8:00 AM followed by a BBQ buffet lunch. Prizes for Low Team Gross, Longest Drive, Closest to the Hole, etc. This year's event will be held on Indian Lakes' 18-Hole Championship course, Blackhawk Trace. **The field will be limited to 162 golfers, so don't delay. Sign up now to reserve your foursome.** We must have confirmation no later than **May 20, 2011**. Each cart is equipped with a GPS system to give accurate distances to the hole. We will be offering three sponsorship opportunities that include advertisement on the GPS during the round.

FEES

Golfer only (includes cart and lunch)	\$ 135.00
Hole Sponsor only	\$ 300.00
Hole Sponsor and a foursome	\$ 750.00
GPS Cart Sponsor and a foursome	\$1,000.00

_____	_____	_____
Golfers Name	Company Name	Phone Number
_____	_____	_____
Golfers Name	Company Name	Phone Number
_____	_____	_____
Golfers Name	Company Name	Phone Number
_____	_____	_____
Golfers Name	Company Name	Phone Number
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Hole Sponsor Name		

GPS Sponsor Name		

Make check payable to: **ICRI Chicago Chapter** and mail with this reservation form to:

ICRI Chicago Chapter c/o Bob Dilla
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ICRI TECHNICAL GUIDELINES & PUBLICATIONS

MEMBER COST

No. 03730	Guideline for Surface Preparation for the Repair of Deteriorated Concrete Resulting from Reinforcing Steel Corrosion	\$ 16.00
No. 03731	Guideline for Selecting Application Methods for the Repair of Concrete Surfaces	\$ 16.00
No. 03732	Guideline for Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymers Overlays - Guideline Only	\$ 28.00
No. 03732P	Guideline for Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymers Overlays - Guideline and Concrete Surface Profile Chips	\$106.00
No. 03733	Guideline for Selecting and Specifying Concrete Repair Materials	\$ 28.00
No. 03734	Guideline for Verifying Field Performance of Epoxy Injection of Concrete Cracks	\$ 28.00
No. 03735	Guidelines for Methods of Measurement and Contract Types for Concrete Repair Work	\$ 28.00
G 03736	Guideline for the Evaluation of Unbonded Post-Tensioned Concrete Structures	\$ 28.00
G 03737	Guideline for the Preparation of Concrete Surfaces for Repair Using Hydrodemolition Methods	\$ 28.00
G 03738	Guideline for Selecting Grouts to Control Leakage in Concrete Structures	\$ 28.00
G 03739	Guideline to Using In-Situ Tensile Pull-Off Tests to Evaluate Bond of Concrete Surface Materials	\$ 28.00
G 03741	Guideline for Design, Installation, and Maintenance of Protective Polymer Flooring Systems for Concrete	\$ 28.00
G 03742	Guideline for the Selection of Strengthening Systems for Concrete Structures	\$ 28.00
G 03743	Guideline for the Repair of Unbonded Post-Tensioned Concrete Structures	\$ 28.00

To Purchase any of the above Bulletins or Guidelines, please contact: Jeff Smith, Chapter Treasurer @ 708-977-7776 or jsmith@mapei.com



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ICRI Chicago Chapter
Editor: Craig Frier
18496 Meander Drive
Grayslake, IL 60030



For more information,
contact

Craig Frier
Project Sales Representative
P: 847-767-2414
frier.craig@sika-corp.com

Nick Graziani
Project Sales Representative
P: 219-448-1416
graziani.nick@sika-corp.com

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