

ICRI

SUMMER ISSUE | 2015 NEWSLETTER

GREAT PLAINS CHAPTER

A MESSAGE FROM THE ICRI PRESIDENT

With a great first half of the year completed, we are set up for an exceptional construction season here in the Great Plains Chapter area with a busy fall season in the future. Your ICRI Great Plains chapter is busy planning our Golf Tournament, Technical Events and Christmas Party all coming up before the years' end. Our goals for the chapter meetings is to have programs that benefit our members and supporting groups. We are always wanting input from our members on what they want to hear so we can fit their construction needs; please let Mike Rafferty know what's on your mind.

One thing we need help on from our members is increasing memberships. Our membership numbers aren't growing at the rate we have wanted in the last three years. The Great Plains chapter has been recognized as the "Chapter of the Year" as well as a many time "Outstanding Chapter" award winner from ICRI National and has so much to give to our members. Please inform your business clients about ICRI and get them to join by getting in touch with Mike Rafferty. [mrafferty@vlgoedcke.com]

Sincerely,
Steve Huffman

2015 ICRI UPCOMING EVENTS

September 3rd

Golf Outing, Tiffany Greens,
Kansas City, MO
12:00pm Shotgun Start

September 20th — 23rd

The SWRI Fall Technical Meeting,
Denver, CO

September 29th, 30th

ICRI Roundtable Event,
Chicago, IL

October 6th/7th/8th

Technical Session—Post Tension with
Small Demos,
Kansas City, MO

October 14th, 15th, 16th

ICRI Fall Convention—Modern Trend
in the Repair Industry,
Ft. Worth, TX

November 8th — 12th

ACI Fall Convention—Constructability,
Denver, CO

November 10th/11th/12th

Technical Session,
St. Louis, MO

December 4th

Christmas Party, Dubliner Pub,
Kansas City, MO
(Power & Light District)



INSIDE THIS ISSUE

Schedule of Events

ICRI Presentation

Crack Injection Demonstration

New Members

ICRI Project Award

Country Club Christian Church

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Membership & Marketing
Mike Rafferty & Mike Dickey
Nominating Tim McGill
Scholarships Ceki Halmen
Special Projects Kirk Matchell
Technical Jon Connealy

ICRI Great Plains Chapter | Presents

Understanding the Uses and Different Technologies of Crack Injection Materials for Structural and Non-Structural Repairs

On Wednesday, April 29, 2015 at the Omaha Country Club County in Omaha, Nebraska - The Great Plains Chapter hosted a technical seminar on understanding the uses of crack injection materials and the different uses for these materials. There were approximately 60 people that attended this half-day seminar.



Bob Trout demonstrates how to properly utilize a manifold system during his hands-on demonstration of epoxy injection practices.

Bob Trout with Lily Corporation was one of the guest speakers. Bob discussed with the audience on the importance of making sure that proper surface sealing is done and that no air entrapment occurs. He also discussed 'port to port' injection versus 'injection to refusal' techniques. Also he touched on the benefits of utilizing a manifold-system to increase production in the field.

Scott Anderson with Deneef Corporation was also the other guest speaker that was invited to speak about the uses of urethane and acrylate injection. He discussed the different types of resins and their main uses in the concrete repair industry. Scott also spent time addressing the proper uses of these injection materials and also where they should not be utilized as well. Those in attendance were very interactive with Scott in his discussion and appreciated the different cases studies he shared.



Scott Anderson gets into the chemistry of urethane and acrylate injection materials with those in attendance at the Great Plains technical seminar in Omaha, NE.

ICRI Great Plains 2015 New Member

"Please join me in welcoming our new companies and members to the Chapter. Membership and involvement is the life blood of any great organization."

**Superior
Waterproofing and
Restoration**
*Thomas Schmitt and
Don Muren*

**Artistic Concrete
Restoration**
Rich Imperiale

Matt Henderson
*Prosoco Regional
Manager*

Matthew Carter
*Dayton Superior
Technical Service
Specialist*

John Roby
*Tarlton Concrete
Restoration Market
Leader*

Rich Bowling
*Xypex & Ashford
Foamlar
Manufacture
Representative*

Chris Swanson
*Goedecke Sales
Representative*

Curt Rafferty
*Goedecke Sales
Representative*

ICRI Project Award | Project Profile

Exterior Restoration | The Country Club Christian Church

Country Club Christian Church is the most prominent architectural structure on Kansas City's Ward Parkway near the nationally famous Country Club Plaza. The original church structure was constructed in 1922 and was designed by one of the great architects of this country, Walter Clarke Root. The sanctuary was expanded in 1926. The church architecture is English Gothic including a central tower, ornate pinnacle finishes, intricate cast stone tracery and numerous ornamental cast stone units around the entire perimeter of the church complex. The exterior façade is clad in ornate architectural cast stone and architectural cut stone.

When C&M was contacted in 2009 the structure was at a critical crossroad as advanced deterioration of architectural pre cast elements was prevalent. Many years of Midwest freeze thaw cycles and previous substandard repairs had taken their toll. C&M's craftsmen were initially contracted to remove dangerous and unstable ornate precast elements and C&M was awarded the General Contract for complete exterior restoration in July of 2012. Assigned the task of returning the landmark structure to its former beauty and prominence, C&M replaced and / or restored all the stone masonry and pre cast elements superior to the original construction to incorporate modern day design standards.



All defective mortar joints were removed and replaced in brick masonry, architectural cut stone and architectural cast stone. Several hundred architectural cut stone units were replaced and over 600 pieces of architectural cast stone were replaced. Architectural cast stone replacement included 12 pinnacle assemblies weighing 6100 to 18,000 pounds each. Numerous other ornamental cast stone units were replaced, including almost every coping stone. Deteriorated cast stone units that could not be reasonably removed and replaced received approximately 235 lf of epoxy injection and 127 square feet of delicate Jahn Cathedral Stone patching. All original remaining cast stone painted surfaces were removed using ground corn cobs as the abrasive media. The prepared cast stone surfaces then received a silane water repellent and new, two coat, Silflex coating system. Other restoration work included new support systems for highly corroded steel roof beams, modifications to existing roof water collection and drainage systems and repair and re-establishment of the lightning protection system. New stainless steel flashing, copper flashing and stainless steel anchorage elements were included in the project. Three steel support lintels were removed and replaced and 12 CINTEC Restoration anchors were installed at pinnacle bases.

The church and facilities remained open for Sunday services, funerals, weddings, children's day care and other church ministries throughout the entire project. The Country Club Christian Church has now been restored to its original prominence thanks to the extreme care, training and dedication of the project team.



Extensive analysis and testing was implemented to create a new cast stone mix design to provide a 50 year, ASR free mix design. The general contract included removal of the wood tower roof deck and replacement with steel framing, composite metal decking and lightweight concrete deck.

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