



1ST QUARTER
2019

THE AGGREGATE

THE NEWSLETTER OF THE BALTIMORE-WASHINGTON DC CHAPTER OF ICRI

IN THIS ISSUE:

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- JOINT DINNER WITH ACI
- TECHNICAL SEMINAR RECAP
- NEW OFFICERS & BOARD MEMBERS

MESSAGE FROM OUR PRESIDENT

KEVIN KLINE - *CONCRETE PROTECTION & RESTORATION, INC*



Welcome to 2019! I hope everyone had a safe and relaxing holiday season with friends and family. As reality sets back in and we prepare for the new year, it is time to look forward to another successful year for the ICRI Baltimore-Washington Chapter. First, I would like to thank Bobby Radcliff for his service as board president in 2018. We are looking to build on his goals and continue expanding on our education and scholarship opportunities as well as industry outreach programs. We are looking to further our involvement with the University of Maryland, and also build a relationship with Catholic University. There is a wealth of knowledge among our members as well as countless job opportunities and career paths that many graduating students may not even be aware of. It is time to really spread the word about ICRI.

I would also like to welcome our new board members: Kevin Goudarzi (KGS Construction Services), Tommy Dacanay (BECS) and Matt Smith (Charles J. Merlo). Welcome to the board and we look forward to your contributions to help us continue to grow our chapter. Additional thanks to Brian Baker, who has been nominated to fill a vacated board position. And as always, many thanks to Tom Ouska for his continued involvement, support and dedication to our chapter. And of course, thank you to all our existing board members. All board members and committee chairs for 2019 can be found out our website at www.ICRIBWChapter.org under the Chapter Leadership tab. I encourage anyone who would like to contribute to any of our specific committees or has questions/interest in becoming a board member please feel free to reach out to any of us.

Also available on our home page is the calendar of events for 2019. We will continue to host quarterly dinner meetings with education presentations as well as our annual technical seminar held each year the first week in December. But we will also be hosting some new events... on March 21st, ICRI will be holding a tour and tasting event at the new Guinness Brewery in Halthorpe, MD (right near BWI airport). We have contacted the General Contractor as well as the specialty restoration contractor, so not only will we be doing a tour of the brewing operations and get to try some of the beers, but we will also get a tour of the overall facility with some insight on the restoration/rehabilitation efforts that went into the construction project. Then in July, we are aiming to host a paintball outing with our neighboring Delaware Valley Chapter. Finally, our annual golf outing will be on Thursday October 3rd at the Timbers @ Troy golf course. Mark your calendars!

As always, our first dinner meeting for 2019 will be jointly hosted with the National Chapter of ACI. This year's Q1 Dinner Meeting will be held on February 7th at Maggiano's in the Tyson's Galleria Mall, McLean, VA. It was ACI's turn this year to coordinate the event, and they have R. Scott Silvester coming to present on Parking Structure Design, Assessment & Repair. I look forward to seeing all of you at this dinner meeting, and please reach out to me at kkline@concretecpr.com if you have any suggestions for this year or feedback for me or the board.

CHAPTER CALENDAR

ICRI BW/ACI Joint Dinner
Meeting
February 7, 2019

Guinness Brewery Tour
and Happy Hour
March 21, 2019

ICRI National Spring
Jacksonville, FL
April 8-10, 2019

Chapter Scholarship
Application Available
April 10, 2019

2nd Quarter Chapter Dinner
Meeting
May 2, 2019

Call for Outstanding Project
Applications
June 8, 2019

VISIT US AT:
ICRIBWCHAPTER.ORG

PLAN TO STAY WARM DURING COLD WEATHER OPERATIONS

By David Caple

Regardless of attempts to prove or disprove “Global Warming”, when I go outside to work during the winter months I am sure of one thing... It's freakin' cold out! Although most people know the basics when it comes to the hazards of exposure to cold weather, there are some key points that never hurt reviewing when planning cold weather work. The three most common cold induced problems in the construction industry are Trench foot, Frostbite, and Hypothermia.

Trench foot is considered less severe than frostbite. Typically resulting from cold, wet feet and usually described as a tingling, itching, or burning sensation. If you have ever had it you know it can be painful. Soak your feet in water, wrap them in dry bandages or dry socks and if possible drink a warm, sugary drink.

Frostbite is what happens to skin when it freezes. Avoid exposing skin to temperatures at or below 30°F. Wind does play a roll in determining the exposure temperature. Temperatures can get below 30°F quickly with just a little help from the wind.

Hypothermia is related to a person's “core body temperature”. If the core body temperature drops to 95°F or below, the onset of symptoms will begin. This temperature may be important to a nurse or doctor, but I can assure you in the field, you are not going to put a thermometer were it has to go to obtain this measurement. Here's a clue - It's not your mouth. Instead, train employees and field managers to spot the signs and symptoms of Hypothermia. Shivering, loss of coordination, slurred speech, and fumbling with items in the hands are the first signs. All employees should be trained to identify those key factors and report them to their supervisor. Field Managers should be aware of other variables that affect a person's ability to generate heat. Age, physical condition, tobacco, alcohol, caffeine, illicit drug use and even medications including anti-depressants, sedatives and tranquilizers can have a negative affect. Do not allow employees who are displaying signs and symptoms to continue working with out checking on them. OSHA recommends employers consider these steps when planning for cold weather work:

Engineering Controls

1. Shield work areas from drafts or wind.
2. Use radiant heaters to warm work area. Monitor Carbon Monoxide levels.
3. Use insulating materials on tools and equipment handled by workers, especially metal handles.

Administrative Controls

1. Drink plenty of liquids – avoid caffeine and alcohol. Dehydration is common in cold weather.
2. Adjust the work schedule to perform heavy work in the warmer parts of the day.
3. Take breaks out of the cold.
4. Consume warm, high calorie foods such as pasta to maintain energy reserves.
5. Work in pairs and watch for signs and symptoms of cold stress.

Protective Clothing

1. Wear Layers – 1st layer should be synthetic or wool and able to wick away moisture from the skin. Avoid cotton as it will not insulate when moist or wet. Dry skin is key; I apply talcum powder to my feet and body before I put on my clothes. Layers should have space to trap warm air between them while also allowing ventilation and evaporation of sweat. Clothing should range in size from one layer to the next just to avoid a tight fit.
2. Keep the head, hands, and feet warm and dry. If any of these three get cold it will soon become the only thing you can think about. Bottom line, get the best protection you can for these body parts. I assure you the stuff will pay for itself many times over.
3. Keep a change of dry clothing and boots in the car in case you become wet.
4. Wear insulated boots or other footwear. An insulated insole will provide an additional layer of protection from cold surfaces. If possible, avoid wearing boots with steel toes or steel shanks.

To this day I am still reminded by family, friends, and co-workers how to dress for the cold. I used to feel insulted. Now I see things differently. In the field it is a good thing to look out for each other. Don't take a fellow co-worker's advice or observation as an insult. Sometimes it is hard to admit we are cold when we are too busy being tough.

David Caple, COHC, CEAS

Construction Safety and Health Specialist, is the Principal Member of Pinnacle Safety Network, LLC. He has over 15 years experience in a combination of structural restoration and safety.



INSURING AGAINST RISK FROM THIRD PARTY CLAIMS

by Kenneth K. Sorteberg, Esquire

Third party claims generally arise out of personal injury or property damage. Personal injury claims can be brought by employees or by non-employees, such as construction workers employed by other contractors or even third parties with no involvement in the construction project.

Personal Injury to an Employee. An employer's direct liability to an employee injured while working is covered by Worker's Compensation Insurance. In other words, the employee cannot claim directly against his/her employer, but the employee must instead look to the Worker's Compensation Insurance for coverage. However, the employee may certainly make a claim for that same injury against the project owner and other contractors working on the project. The employer will likely have a contract with the owner or the general contractor, and that contract will certainly have an indemnification clause. Under that indemnification clause, the employer will be required to defend and indemnify the owner or general contractor against the employee's claim. Thus, an injured employee's claim can come back against the employer via a claim by the owner or general contractor. A General Liability policy will not cover such a claim. A different type of insurance is required to cover that type of claim – Employer's Liability Insurance. For the reasons set forth above, employers should carry Employer's Liability Insurance. While coverage limits vary, \$1 million per occurrence is not unusual.

Personal Injury to a Non-Employee. In the event of a personal injury to a non-employee which is alleged to be caused in whole or in part by a contractor, the contractor should immediately notify its General Liability Insurance company. The insurer should investigate the claim and either settle it or defend and cover the contractor against the claim. To cover larger risks, an Umbrella Policy should be maintained. While coverage limits vary, \$5 million per occurrence is not unusual.

Damage to Property of Third Parties. In the event of damage to property of a third party which is alleged to be caused in whole or in part by a contractor, the contractor should immediately notify its General Liability Insurance company. The insurer should investigate the claim and either settle it or defend and cover the contractor against the claim. Again, to cover larger risks, an Umbrella Policy should be maintained.

Please feel free to contact Ken Sorteberg at sorteberg@constructionlaw.com with any questions or suggestions for future Legal Columns. Mr. Sorteberg is a civil engineer and an attorney (licensed in MD and DC) who focuses his practice on construction law.

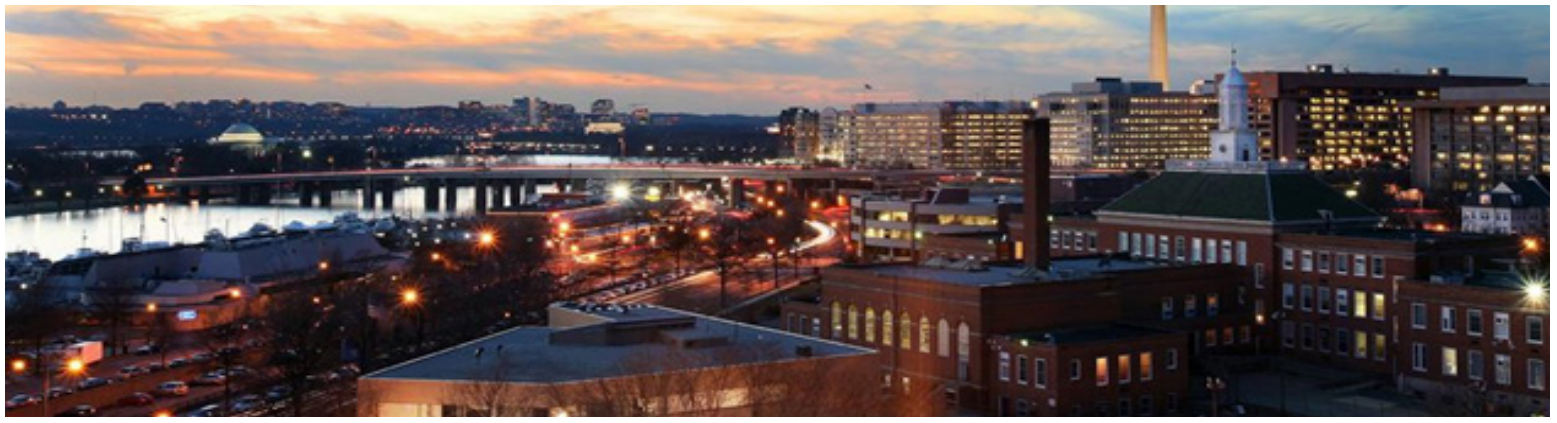


Celebrating



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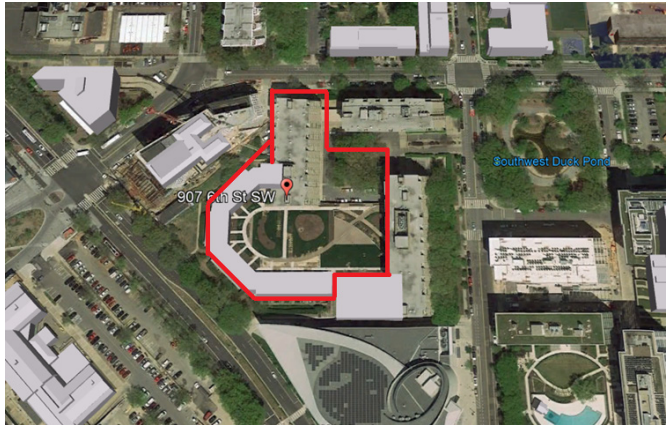




WATERSIDE TOWERS – PARKING STRUCTURE AND PLAZA DECK RESTORATION PROJECT

By **Patrick O'Malley**
& Joe Donnelly
Concrete Protection & Restoration

Waterside Towers is located in the Southwest Quadrant of Washington DC. The complex is comprised of three (3) residential apartment towers, eighteen (18) townhome apartments, a motor court and a centrally located parking garage structure. A pedestrian plaza is located above the garage. There are office, community areas, a gym, an indoor pool and service areas under the three towers. The plaza deck is accessed from two of the towers as well as from the motor court which is located one level below the plaza. The townhome entrances are accessed from the plaza deck and there is also an outdoor pool at the plaza level.



Aerial View/Limits of Work

The Contractor was awarded this project based on the results of an extensive process that involved price proposals, presentation packages and interviews with the engineer and owner's representatives. The owner representative was convinced the selected Contractor could deliver the project in a manner that would serve the best interest of the owner from a performance, schedule and pricing standpoint. The Contractors' team was previously able to earn that confidence through effective project management, coordination and communication.

The scope of this project involved the structural rehabilitation of the pedestrian plaza above the garage, the motor court level of the garage and the basement level of the garage. The removal of the overburden and replacement of the waterproofing system of the plaza area was also included. All expansion joint glands were replaced at the plaza and suspended garage slab levels. During the course of the project, the work area and scope of work was expanded, to include the garage area under the motor court and the garage area under the townhouses. An additional contract for the construction of the plaza level site concrete was awarded after completion of the structural repairs and waterproofing.

The objective of the project was to complete the structural repairs, which would create some inconvenience to the residents, in the least disturbing manner. At the completion of the structural repairs and waterproofing work, a new outdoor space for the residents' use would be created at the plaza level.



Original Plaza

Detailed Project Description

Planning/Phasing/Design Issues & Project Administration

1. The project team included a project manager, project engineer, general superintendent and project superintendent that were in constant communication with each other and the owners project manager. Regular progress meetings were conducted to review the job progress as well as to address issues as they occurred.
2. Work schedule and phasing were changed as necessary to suit the owner's and tenant requirements and too lessen the impact to the operation of the property.
3. The owner's representative once commented that there were less problems and complaints on this very large project, than on most of the small projects that he was involved with at the same time.
4. The Contractor performed the repairs in ten (10) phases that would take approximately 40 parking spaces for each phase.
5. The phasing enclosures were constructed of post shores and 2x4 lumber with polyethylene sheeting to contain dust.
6. Existing exhaust fans were protected with filter fabric to keep the majority of the dust from entering the system.
7. Traffic control was managed with detailed signage and "stop & go" lights for one-way traffic on the ramps.
8. The plaza waterproofing work was performed in five (5) phases and these phases lined up vertically with the garage phasing below. This was necessary so that the plaza deck concrete repairs could be completed in conjunction with the suspended level garage slab repairs below.
9. Walkways with pedestrian control were constructed and maintained to access the plaza level townhouse apartments as well as across the plaza area to the tower buildings.

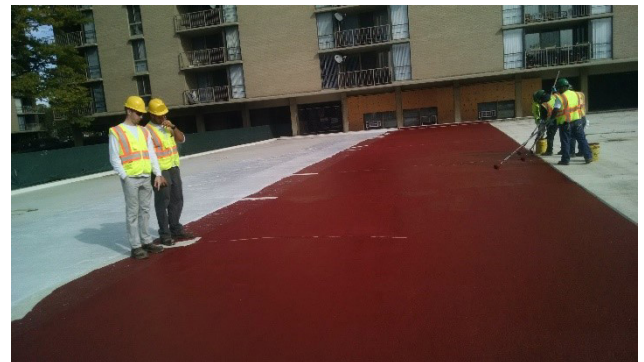
Structural, Architectural and/or Operational Improvements

1. The structural portion of the work involved 3,800 square feet of partial depth repairs, 28,000 square feet of full depth repairs, 840 square feet of beam/column repairs and 7,000 square feet of overhead concrete repairs. The 7,000 square feet of overhead repairs were not included in the original scope of work.

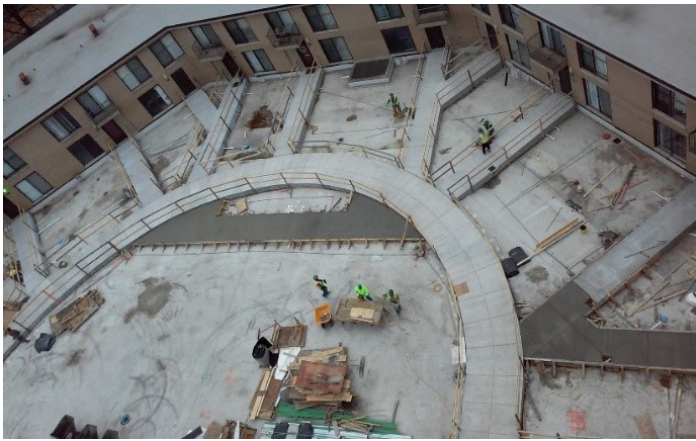


Full Depth Repair Area With Shoring

2. The waterproofing portion of the project included installation of 53,000 square feet of an aliphatic urethane resin waterproofing system which is reinforced with a glass fiber mat. The new waterproofing system replaced the original failed asphalt-based system which contributed to the structural deterioration.
3. The Contractor worked closely with the owner and the landscape architect to develop an aesthetically pleasing and cost-efficient hardscape plan for the new plaza. The plan included curved walkways, curved planter walls of varying heights and a unique structural brick wall that was curved to follow the new walkways. The structural brick wall had to be anchored into the structural slab while maintaining the effectiveness and warranty for the new waterproofing system.



Waterproofing Work



New Walkways

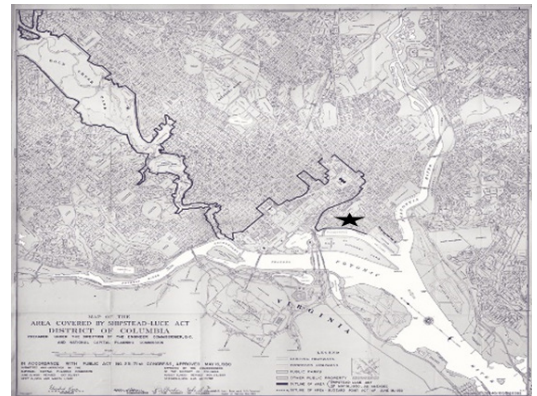


Planter Wall Construction

4. The new landscaping plan had to create an upgraded and updated space that would still conform to the historic nature of the property and be approved by the Fine Arts Commission. With the Shipstead-Luce act of 1930, Congress directed the Commission of Fine Arts to review the design of private construction projects in certain areas of high federal interest within the national Capitol. Waterside Tower abuts the Shipstead-Luce Act area of jurisdiction, which encompasses the monumental and governmental core of the city, much of the Potomac waterfront, and Rock Creek Park. An owner of a private property in this area must submit a plan for review if there any modifications to the exterior of the property.

Technical Innovation/Project Complexities

1. Extensive overhead concrete deterioration was discovered under the structural slab that supports the motor court outside of the garage. These repairs were beyond the original scope of work.
2. Additional overhead repairs were also found at the structural slab that supports the townhouses that surround the one end of the pedestrian plaza. It was feared that these repairs could extend through the floor slabs and into the first floor of the townhouses. The Contractor was able to complete these repairs without removing the residents or furnishings.
3. Because of the extensive overhead repairs that were required, a demolition robot was utilized for chipping the deteriorated concrete in preparation for placement of repair materials.
4. All overhead repairs were completed using a pumpable repair material placed with a concrete pump utilizing rigid steel line, flexible lines, ball valves and strategically placed vents to allow the concrete to fill all areas against the existing slab above.



Shipstead – Luce Act Area



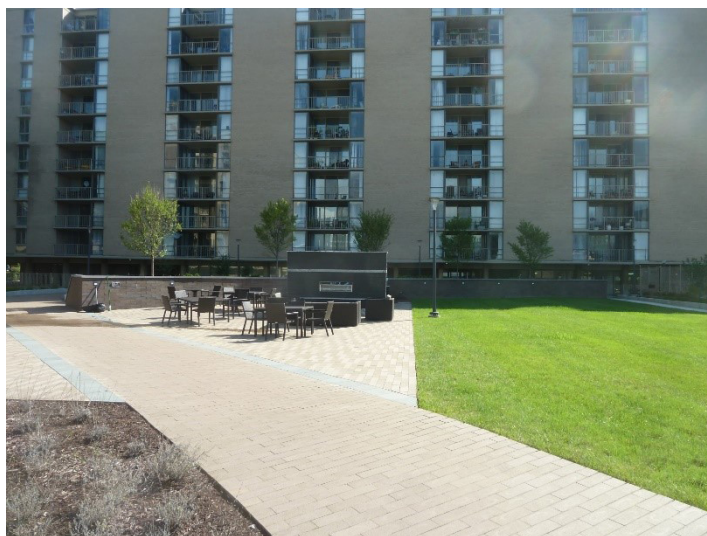
Demolition Robot for Overhead Repairs

Summary

The Waterside Towers project proved to be very challenging for the owner, the engineer, the architect and the contractor. The difficulties of performing the amount of structural repair that was necessary required the cooperation of all parties. Due to the efforts of all involved a long-lasting repair, improved usefulness of the property and all aesthetic goals were achieved.



Finished Plaza



Finished Plaza

THE BALTIMORE/WASHINGTON D.C. CHAPTER OF ICRI IS SEEKING TECHNICAL ARTICLES FOR PUBLICATION IN ITS QUARTERLY NEWSLETTER, THE AGGREGATE.

THE AGGREGATE

The Aggregate is the official newsletter for The Baltimore/ Washington, DC Chapter of The International Concrete Repair Institute and is published quarterly and sent to all current sustaining members of the chapter. In addition to chapter news, highlights, and possible advertising opportunities, The Aggregate includes informative technical articles on a variety of issues related to the concrete repair industry.

The ICRI BWC chapter is looking for individuals interested in contributing a technical article (s) related to industry practice or instruction, technology and design, professional concepts/issues, project profiles, or any other topics relevant to ICRI members. Articles will be presented as the main article in an upcoming edition of The Aggregate. Articles do not necessarily need to be authored by an ICRI member, so please forward this request to any individual outside of the organization who may be interested in submitting. This could be a great opportunity for younger professionals to get published or for someone to share an informative or interesting lesson learned article. Please visit the Aggregate archives on the ICRI-BWC website to see the types of articles that have been published previously.

Also, starting in 2019, ICRI BWC has elected to award technical article contributors to the Aggregate with a complimentary registration for the succeeding quarterly dinner meeting for ICRI BWC.

Please contact Mike Payne (mike.payne@feapc.com) with the Newsletter and Communications Committee for more details.



National Capital Chapter

ICRI Baltimore Washington Chapter ACI National Capital Chapter Joint Dinner Meeting

Thursday, February 7th, 2019

MAGGIANO'S LITTLE ITALY AT TYSONS GALLERIA
2001 INTERNATIONAL DR.
MCLEAN, VIRGINIA 22102

SCHEDULE:

5:30 pm Social Hour
6:30 pm Dinner
7:30 pm Presentation

REGISTRATION:

Member Rate: \$50
Non-Member Rate: \$60
All after 2/1/2019: \$60

REGISTRATION DEADLINE IS FEBRUARY 1, 2019

Company: _____

Name: _____

E-mail: _____ Phone: _____

Number of Attendees: _____ Attendee Names: _____

Parking Structure Design, Assessment, and Repair

Parking structures, especially open parking structures in cold climates, are exposed to a much more severe environment than other types of building structures. This harsh exposure can result in premature deterioration and a shorter life than expected, if not designed with the appropriate durability measures in mind. Scott Silvester will present common concrete deterioration mechanisms, methods for assessing deteriorating parking structures, concepts for repair and protection to extend their useful life, and approaches for designing durable new parking structures.

FEATURED SPEAKER: R. Scott Silvester, P.E.

Scott is a broadly experienced consultant in investigating, repairing, and rehabilitating structures. Scott's career has included designing new structures, designing repairs and modifications to existing structures, preserving and rehabilitating historic buildings, investigating existing conditions and failures, and assessing material performance. He has assisted in the resolution of many construction-related disputes by providing expert opinions, reports, and testimony. Scott's work involves collaboration with peers in a variety of engineering disciplines, including enclosure consulting, materials science, geotechnical engineering, preservation technology, construction engineering, and engineering mechanics and infrastructure.

Scan and email this completed form to Chapter Secretary, Brian Radigan by February 1st. Checks may be mailed with your form or you can bring them with you to the meeting.

Brian J. Radigan
Tremco Commerical Sealants &
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745 Darlow Drive
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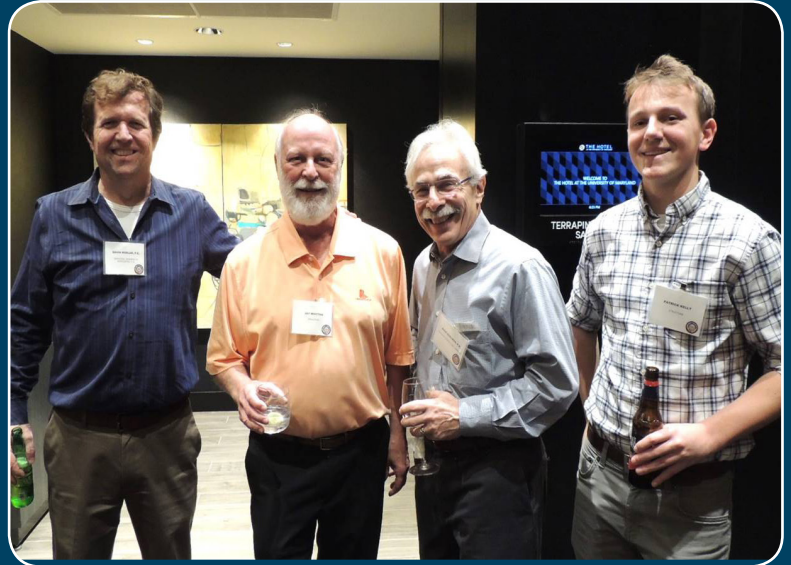
CHAPTER SPONSORS

ICRI BALTIMORE WASHINGTON 4th QUARTER DINNER MEETING

THE 2018 OUTSTANDING PROJECT AWARD WINNERS and 2019 CHAPTER OFFICERS

by Mike Payne

Members of the ICRI Baltimore Washington Chapter attended the 2018 fourth quarter dinner meeting and awards banquet at The Hotel at the University of Maryland located within the University of Maryland Campus at University Park. Many thanks go out to Rich Barrett (LymTal) and the Facilities Committee for setting up the event at the new location. Members enjoyed a cordial social hour as final ballot submissions were collected by Shannon Bentz (Desman) and the Nominating Committee for 2019 positions to the Board of Directors. Conversation between old friends and new continued into the main dining hall where a delightful spread was provided buffet style for dinner prior to the start of the night's events.



Final ballots were counted and the following individuals have been elected to serve on the Baltimore Washington ICRI Board of Directors: The 2019 Chapter Officers are:

- President— Kevin Kline (CP&R)
- Vice President— Rich Barrett (LymTal)
- Secretary—Brian Radigan (Tremco)
- Treasurer—Nick Henn, P.E. (ETC)
- Past President—Robert Radcliff, P.E. (ETC)

The 2019 Chapter Directors are:

- Paul Askham (1 year term)- Gale Associates
- David Bickel, Sr. (1 year term) - Concrete Protection & Restoration, Inc.
- Michael Payne, PE, PMP (1 year term) - Facility Engineering Associates, P.C.
- Brian Baker (2 year term) - PPSI
- Adam Hibshman (2 year term) - Valcourt Exterior Building Services
- Justin Long, P.E. (2 year term) - Smislova, Kehnemui & Associates, P.A.
- Kevin Goudarzi, P.E. (3 year term) -KGS Construction Services, Inc.
- Tommy Dacanay (3 year term) -Building Envelope Consultants & Scientist, LLC
- Matthew S. Smith, E.I.T. (3 year term) - Charles J. Merlo Inc.

The awards banquet opened with the outgoing President, Bobby Radcliff (ETC), providing a summary of the year's events and providing some updates to several events still scheduled prior to the end of 2018. Nick Henn (ETC) of the Education and Scholarship Committee presented the award of six \$1,000 scholarships to go towards tuition of several college students from the University of Maryland and Catholic University, or as a continued education award for several ICRI members looking to obtain professional certifications. Congratulations to all scholarship winners and good luck with your studies.

An advertisement for ETC (Education, Training, and Certification) featuring a wooden background with a ruler and a pencil. The text reads: "WATER INTRUSION ROOFING STRUCTURAL ARCHITECTURAL WARRANTY & RESERVE STUDIES LITIGATION SUPPORT". Below the text is the ETC logo, which consists of a blue square with a white 'E' and the letters 'ETC' in a serif font. At the bottom, the website address "www.etc-web.com" is displayed.

**WATER INTRUSION
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Following, Bobby began to introduce the night's presenters which consisted of the three winning project teams for the 2018 Baltimore Washington Outstanding Project of the Year Awards. Brian Radigan (Tremco -Awards Committee Chair) and the other sub-committee members received a total of four submissions for consideration for the award. A group of Nationally active ICRI members across the country judged the submissions on the basis of the established scoring criteria which included: Planning/Phasing, Design Issues & Project Administration, Structural and Architectural and/or Operational Improvements, Technical Innovation, and Costs.



3rd Place: Liberty Towers (SRG with CRS)

Kaveh Afshinnia with SRG presented this project, which involved structural parking garage restoration work at the Liberty Towers apartment complex in Arlington, VA. SRG utilized in-situ testing such as rebound hammer testing and half-cell potential testing to identify concrete strength deficiencies and possible corrosion of embedded steel reinforcing. SRG also utilized finite element analysis to assist in phasing of extensive concrete repairs performed at the concrete slabs.

2nd Place: Beau Court (ETC with Avon and Culbertson)

Bobby Radcliff of ETC presented the 2nd place project award. The project scope addressed structural deficiencies and settlement concerns with 4 garden style condominium buildings located at Beau Court Condominiums. 1930's era buildings with wood framing and brick and terra cotta bearing walls were identified with significant settlement and building overturn (up to 7 inches). Numerous surveys, design, and testing was performed before work was underway to install supplemental foundation support, repair and strengthen load bearing walls, and correct plumbness of the structure. The project team had to hurdle many issues including completing repairs in phasing without disrupting occupancy of the residents!



1st Place: Waterside Towers (CPR)

Patrick O'Malley presented the 1st place project award on behalf of CPR. The project involved a multimillion-dollar structural rehabilitation and waterproofing project at the plaza and below-grade parking garage at the Waterside Towers property in southwest Washington, D.C. The property was found to have significant concrete deterioration from leaks in the plaza level which created the need to remove plaza finishes to complete more than 30,000 square feet of concrete repairs (over 28,000 square feet of full-depth concrete repairs) and replace the existing waterproofing membrane. In some instances, overhead repairs in the below-grade garage occurred below occupied space

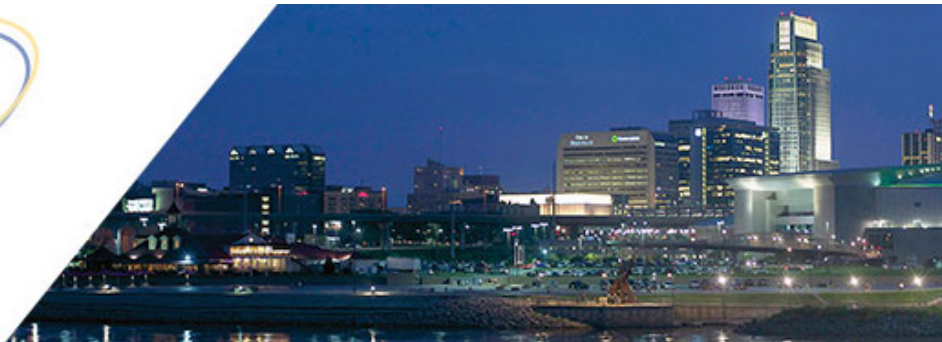
and CPR utilized robot demolition machines to safely complete the work. Some project issues that had to be overcome included difficulties with plaza overburden removal and replacement to fit landscape architect requirements, as well as visual considerations to comply with the local fine arts commission.

All three project awards proved resilience in completing challenges identified during a unique and successful restoration project. Each recipient received a plaque celebrating the project award and thanking them for their entry. Although only three winners could be chosen from the submission, the Baltimore Washington Chapter of ICRI commemorates all project teams that chose to submit a project for consideration.

RESILIENCY

Above and Beyond Concrete Restoration

2018 ICRI Fall Convention | November 7-9, 2018
Omaha Marriott Downtown at the Capitol District | Omaha, Nebraska



Delegate Report by Rich Barrett

The 2018 Fall Convention was held in Omaha, Nebraska. It was my 1st time visiting Omaha and what a great reason to be there. I was not ready for winter yet and it was colder than I envisioned having the 1st snow of the season and not even at home. I truly saw what makes our Baltimore-Washington chapter so great with many of our local members in attendance. The Convention was held at the Omaha Marriott Downtown at the Capitol District and just blocks away from Omaha's nightlife with many restaurants and bars.

There was an abundant amount of Technical Sessions to choose from and attend. I attended two sessions on Wednesday morning, which I found interesting and informative. The sessions I attended were Why Does Rebar Corrode in Concrete? (in plain language) and Resiliency of Existing Concrete Structures and Communities: How Can We Improve Long-Term Performance and Resiliency?

The Opening Reception on Wednesday evening provided a great chance to meet people from other regions / chapters (Contractors, Engineers and Manufacturers Rep's), as well as walk through the exhibits. It was great to continue existing relationships and form new ones as well. The aspect that I love is meeting people and developing relationships. After the welcome reception, many attendees wandered downtown to enjoy dinner at many of the local steak and chop restaurants. Where not but a better place to get a steak!



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- ▶ Roofing and Waterproofing Observations
- ▶ Wood Framing Inspection
- ▶ Bridge and Roadway Inspections
- ▶ Special Inspections



Thursday morning provided more opportunities for increasing knowledge during the Technical sessions. All of the presenters were very insightful. For the most part, they seemed to run on time!

After lunch on Thursday, I sat in on the (310) Surface Preparation Committee Meeting where they were going over actual concrete samples to rival the existing CSP chips and look at developing a mobile app for the CSP Chips. It was great to see the involvement on a national level. I really enjoyed the Networking Luncheon and presentation with the big reveal of our new ICRI logo.

On Friday, the delegate lunch and chapter committee meeting were great for hearing about other chapters and upcoming events. It put a smile on my face to hear that everyone is trying to beat out the Baltimore/Washington DC Chapter. I realized I am fortunate to live in the Baltimore/Washington Metro Area and to have such an involved chapter where we have support from all parties.

I felt fortunate to be the Baltimore/Washington Chapter Delegate for the 2018 ICRI Fall Convention. I was very impressed how everyone worked so hard in setting up a Convention of this magnitude and how friendly people were.



As a new idea for a gathering, the ICRI Baltimore-Washington chapter, hosted a social event to kick off 2019 at Top Golf in Alexandria, Virginia. A very special thanks to Rich Barrett (Lymtal & Vice-President) who coordinated and made the arrangements. The Alexandria site is historically known as the first ever location for the popular franchise. It proved to be a great setting for a quick after-work networking event.

The evening began with a wonderful social hour over drinks which provided a great opportunity for all members to catch up with old friends and recount the events of the holidays. The group of sixteen people (from manufacturers and contractors alike) spent the rest of the night working on their golf swing on Top Golf's state of the art electronic driving range. Although the evening was cold, the outdoor event sported a comfortable setting with heaters, great food and plenty of drinks. A very special thank-you to those who attended and showed support for our additional, out-of-the box events. There will be more to come later this year!
-Brian Radigan



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2018 ICRI Baltimore-Washington Chapter Fall Technical Symposium

by Kevin Kline

Our annual technical seminar for 2018 was held on Thursday December 6th at CP&R's headquarter office in Windsor Mill, MD. Our topic for this year was Alternative Concrete Demolition. As always, this event was very well attended and everyone enjoyed some interesting presentations about robotic demolition, hydro demolition and dust control methods for pneumatic tools to meet the new OSHA standards. One highlight for this year was our two demonstrations. Ryan Dunigan with Husqvarna showed us how their new robot could be used to demo concrete not only more efficiently, but more safely as well. Then, Carroll Bassett gave a short presentation on his micro-blasting technology along with a case study video, and also showed us how it can be used to blow up concrete blocks/slabs. Needless to say, the day ended with a bang! Thank you to all of our presenters. We appreciate your time and efforts. And if anyone has any suggestions for topics/presentations for our 2019 seminar, please feel free to reach out to one of the board members.



TECHNICAL SEMINAR HIGHLIGHTS:

Michael Alloway and Tom McCann (Rampart Hydro Services) co-presented together to start things off with discussion on hydro-demolition • Justin Long (SK&A) presented a case study on robotics demolition at Montgomery County Garage 55 Silver Spring • Barry Schmiadt (Michigan Pneumatic Tool) presented an overview on OSHA silica dust regulations and water/dustless equipment to meet Table 1 requirements • Ryan Dunigan (Husqvarna) presented on demolition robotics in construction • Carroll Bassett (BMS Ezebreak) presented on micro-blasting breaking equipment



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