

Steve Marchese passes the gavel to new President Cas Bognacki in early December.



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Changing of the Guard – Cas Bognacki New CIB President

On December 9 2010 Mr. Stephen Marchese of Future Tech Consultants after two successful years 2009 & 2010, relinquished the reins of the Presidency of the Concrete Industry Board to Mr. Cas Bognacki of The Port Authority of NY & NJ. The gavel has

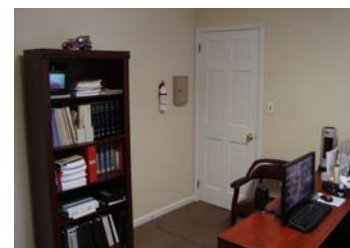
officially been transferred.

Under Mr. Marchese's leadership, the CIB became the official ACI New York Chapter and he had the distinct honor to serve as the chapter's first president. In 2010 our first full year under ACI, the CIB was named an

outstanding chapter. This is a prestigious honor we should all be proud of. We are grateful for Mr. Marchese's contributions to the CIB and look forward to Mr. Bognacki's leadership to the growth of the CIB as well.

CIB Office in full swing. As they say in Kew Gardens – Come see us.

Cathy and Bill have new office and are establishing a library. All are welcome. Stop and have a cup of java too.



CIB Producer Certification Program

After nearly five years of working on this program which will allow New York City Ready Mix Producers to provide their own mix designs to projects throughout the city, has now come to fruition.

As previously mentioned in last year's CIB Bulletin, there are two parts to the program.

1. Quality Control / Quality Assurance Plan – Minimum Standards
2. QC / QA Producers Checklist

Also, there are essential components of the certification plan:

1. Facilities and Truck: All mixers, concrete plant(s) and an in-house laboratory accredited by CCRL, AMRL, NYSDOT and NRMCA where applicable.
2. Quality Control Personnel: meeting the requirements for ACI Lab I & II, field Level I, NRMCA (National Ready Mix Concrete Association) Level 3 and Concrete Construction Special Inspector.

Once these elements are completed an independent inspection firm acts as the CIB auditor to visit the plant, inspect the operation of the plant, inspect and review the laboratory has AAP certification and verify certification of plant QC staff. The independent firm will also check to determine whether the batch plant is in conformance with the CIB Certification QC / QA Checklist. If the concrete operation has met these requirements, the independent firm will provide a recommendation to the Chairperson of the CIB Certification Committee whether or not to certify the plant.

The NYC Department of Buildings is supporting this program and is in the final steps of providing TR3P forms to correspond to ready mix concrete companies who have been certified.

There is a multitude of benefits for this program but not limited to the following:

1. A producer can develop a library of mixes with accompanying data for hundred's of mixes with different properties and different combinations of material sources.
2. By using the availability of a library of mixes and using the new TR3P forms, additional mixes can be submitted on a project at any time for unanticipated applications and needed changes in the mixes. These mixes can be submitted for approval within days.
3. Contractors and producers can jointly work on and generate new mixes which may be more conducive to the contractor's needs on a project, thus creating a working partnership on a project.
4. By producers generating their own mixes, there is a built in and continuing incentive to create more efficient and sustainable mixes at all times.
5. Producers will be more easily able to adapt to changes in sources of materials. If change is contemplated, new mixes can be run at any time with potential new sources.
6. By comparing the data results of mixes with different sources, the producer can better realize the optimum choice of materials for quality and cost efficiency.
7. Responsibility and control of mixes rests with the manufacturer of the end product.

Presently, there are many concrete companies in different stages in the process of being certified.

**The first NYC
Concrete
Producer to be
certified is
Jenna
Concrete
Corporation.**



CIB CALENDAR OF EVENTS

MARCH 30 CIB BOARD MEETING & EDUCATIONAL SEMINAR
SPEAKER THOMAS ADAMS OF THE AMERICAN COAL ASH ASSOCIATION

TOPIC: FUTURE OF FLY ASH RECYCLING

APRIL 28 CIB BOARD MEETING & EDUCATIONAL SEMINAR
SPEAKER MIKE MOTA OF CRSI

TOPIC: HIGH STRENGTH REBAR

MAY 20 PRESIDENT BALL at THE HOTEL PIERRE

JUNE 15 CALL FOR ENTRIES FOR THE ROGER H. CORBETTA AWARDS

JULY 19 CIB ANNUAL GOLF OUTING HELD AT WIND WATCH IN HAUPPAUGE, NY.

OCTOBER 26 CIB BOARD MEETING & EDUCATIONAL SEMINAR

SPEAKER JOSEPH KEAN OF MTA

NOVEMBER 9 ROGER H. CORBETTA ANNUAL AWARDS DINNER



Collavino
CONSTRUCTION COMPANY

Collavino Construction Co

Area of Expertise: High rise, arenas and stadiums, parking structures, institutional, power generation, water and waste treatment, industrial, transportation, commercial.

Corporate Profile: The Group has over 55 years experience in the construction industry and has successfully completed challenging projects world wide. This extensive experience, gained on an international level, has allowed the Collavino Group to obtain an unparalleled global insight invaluable in their approach to construction methods and techniques used today. The Collavino Group offers great diversity by skillfully harnessing the expertise of each of its key divisions - namely PCR Contractors, Collavino Construction Company and International Precast Solutions. Collectively the Group performs contracts as a general contractor, design / build consultant, construction manager and prime subcontractor for cast-in-place and precast concrete works.

Major Projects: Tower 1 at World Trade Center



Roanoke Sand & Gravel Corporation

Roanoke remains just one of a very few high quality aggregate sources on Long Island that produces Sand and Gravel materials that meet the most rigorous New York State Department of Transportation specifications as well as the internationally recognized ASTM independent standards.

The Barker Family has owned and operated Roanoke since 1984. In the years Since, Roanoke has invested in new high – tech equipment to maintain a state of the art and environmentally sensitive dredging and processing operation. The mining site operates under the Environmental Conservation Law with a Permit authorized by the New York State Department of Environmental Conservation.

The exciting future of Roanoke Sand & Gravel is directly linked to the future of Long Island and the entire New York metropolitan region. Pending and planned projects in the region are dependent on the high quality products supplied by Roanoke. Several of the major projects supplied by Roanoke won awards at the recent CIB's Annual Roger H. Corbetta Awards for Quality Concrete.

Roanoke Sand & Gravel are proud to be a new member of the Concrete Industry Board and look forward to working with all the members to provide high quality Concrete projects in both the public and private sectors.

New Members of the CIB



Unicorn Construction Enterprises

As one of New York City's finest heavy, civil general contractor's (GC), Unicorn specializes in the construction, maintenance and repair, of transportation structures and facilities in urban settings. With management offices in New Jersey and field offices throughout the five boroughs of New York City, they are ready and able to assist all for their specific project.

Unicorn leads and coordinates "the big picture". They manage the critical path of the project, dealing directly with the owner. They hire and manage the labor force as well as the subcontractors to function as a unified team. Unicorn actively participates in the project's construction. Whether they self perform or delegate the work, Unicorn accepts the responsibility and is held accountable for the team's overall performance.



Bekaert – Steel Fibers

Dramix®, the steel fiber reinforcement solution from industry specialist Bekaert. With its unique combination of reliability, flexibility and cost-efficiency, Dramix® steel fiber technology has set a new standard for concrete reinforcement.



Eurotech Construction

Eurotech specializes in high end interior construction of drywall and carpentry, lath and acoustic, concrete, masonry, plaster and fireproofing.

What sets them apart from the industry standard is their ability to deliver a totally integrated value added partnership and approach across the Six key wet and dry trades.

Their client list includes many of the top Financial, Entertainment, Broadcasting Media, Advertising, Fashion, Pharmaceutical, Law and Hotel groups throughout the metropolitan New York City and Tri-State area.

Let's forget the Winter days and think Positive about the upcoming warm, Summer days.

CIB Annual golf outing is scheduled for July 19 at Wind Watch in Hauppauge, NY.

Save the date for fun, prizes, and a good score among friends



New Members of the CIB

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Mike Mota of CRSI has accepted the chairmanship of committee ACI 314 Simplified Design of Concrete Buildings for a three year term that runs through the ACI 2014 Spring Convention.

Congratulations Mike.



Mike will be the CIB

educational speaker in April

The CIB was named as an Outstanding Chapter in 2010 by the American Concrete Institute.



The Cement League

The Cement League is the premier organization bringing together contractors and skilled union tradesmen for the concrete construction industry in the New York area. They work to provide the safest and most efficient workforce for the contractor's site, and have served New York construction for over 100 years.



Advance Testing

Advance Testing Company is a consulting construction materials testing laboratory that has been providing outstanding service to its clients since 1984. Advance Testing Company provides both field inspection and laboratory analysis of all construction materials for commercial, private, and public organizations.

Advance Testing currently manages its work out of **three primary offices** located in New York, New Hampshire and Massachusetts.



Keystone Cement Company

The Keystone Cement Company, located in Bath, PA has been an important part of the Lehigh Valley cement industry since 1928 has the current capacity of 1.1 mil tons per year. The state-of-the-art facility completed in 2010 complies with all current EPA regulations as well as those proposed for future implementation. Keystone Cement Company produces Types 1, 2 & 3 Portland cements and a full line of masonry cements to meet the needs of the construction industry.

A strong and vibrant economy in 2006 provided an opportunity to introduce Keystone's Type II Moderate Sulfate Resisting Portland cement. This is a high demand product in New York and the 5 boroughs. It meets the requirements of NYS-DOT as well as all other state, federal and municipal agencies. Keystone Type I/II also meets the requirements of and is certified by the National Science Foundation for use in concrete vessels or concrete pipe used to convey, transport or contain drinking water.

We are proud to serve the concrete construction industry and look forward to a long-lasting partnership with the Concrete Industry Board of New York.



8 Spruce Street takes home the 2010 Roger H. Corbetta Annual Award for Quality Concrete



The Frank trio. Frank Lulley (L) along with Frank Varisco (C) both of Skanska Northeast Civil and Frank Langan of Best / Jenna Concrete enjoy the cocktail hour. Mr. Varisco was on this past year's jury while Mr. Lulley was on the past two years.



Silvian Marcus of WSP Cantor Seinuk, flanked by Anthony DiLuca and Joe Fama of DiFama Concrete and Tony Tucharrelli far right of Peri Forms are photo ready.



Rick Ellman of MRCE, Jerry Parnes of AECOM and long time CIB juror Joel Weinstein enjoy the camaraderie.



Jacob Grossman (left) and Benjamin Pimentel (right) celebrate with Euclid's Bill Phelan another CIB Award for the firm Rosenwasser Grossman CE.



The Annual Award Winning Team portrait.



Joey Sorbara, Bill Kell and friends of Sorbara Concrete are all photogenic



Rich DeMuth Frank Cola, and Frank Deliccia, ULMA Form Work are all smiles at the cocktail hour.



Gerry Boyle on far left and Chris Tessien far right surround their fellow colleague Sarah Mansoori and friend.



Chok Wong and juror Andrzej Okolski both of GACE flank Keystone Cement's and past President Carmine Attanasio.

See complete gallery at cibofnyc.org

President Ball Dinner set for May 20th ⁷



The Concrete Industry Board will honor seven prominent people in New York City's construction industry with Leaders of Industry Awards for 2011. The seven honorees as well as the CIB Past President will receive their Awards at the President's Ball and Dinner to be held Friday evening, May 20th, 2011 at The Hotel Pierre, New York.



This year's Leader of Industry honorees are well respected individuals in their field of expertise.



Husam Ahmad, P.E. of HAKS Engineers and Land Surveying, P.C.



Richard Cavallaro of Skanska USA Civil



Leonard A. Ferrara of Ferrara Bros. Building Materials Corp



Lenore Janis of Professional Women in Construction;

Robert D. LiMandri of New York City Department of Buildings



Allan M. Paull, P.E. of Tishman Construction Corp.

Robert J. Silman, P.E. of Robert Silman Associates.



Stephen S. Marchese, P.E. of Future Tech

Consultants, Past President's Award

See the [CIB website](#) to place an ad congratulating the honorees and or purchase tickets to the President Ball Dinner

Professor Doug Hooton, University Of Toronto,
Department Of Civil Engineering
Concrete Industry Board Seminar, June 24, 2010

Topic: Increasing the Sustainability and Performance of Concrete Using Portland-Limestone Cement (PLC) and Supplementary Cementitious Materials (SCMs)

Approximately 90% of the CO₂ produced in the making of concrete comes from the production of portland cement. If SCMs are used to reduce portland cement content of a concrete mix, they reduce the CO₂ and energy required to produce a cubic yard of concrete. The improved durability of SCM concretes also extends service life and reduces the need for repairs, thus improves sustainability. In addition, Portland-limestone cements (PLCs) are potential new cement types can further reduce the CO₂ and energy used in portland cement production. They can also provide the same level of performance when used at normal replacement levels of SCMs to provide additional improvements with respect to sustainability.

In 2008, a new class of Portland-Limestone cements was added to the Canadian standard CSA A3001, with up to 15% blended or interground limestone replacing cement clinker. The CO₂ emissions from PLC are ~10% less, relative to Portland cement. In addition, fewer raw materials and less energy are used to produce PLC.

When properly optimized, the limestone is not inert and contributes to the properties of the cement. In CSA, PLCs have to meet the same set time and strength development performance as portland cement (PC) of the same type (eg. GU ---same as ASTM Type I)

The CSA A23.1 concrete standard was revised in 2009 to allow use of PLC and Canadian Building Codes are being updated in 2010 to include PLC.

In the USA, at least 2 producers in the USA have been making 10% limestone cements for several years under ASTM C1157. Based on European and Canadian experience, ASTM C595 and AASHTO M295 may be balloted in 2011 to allow for PLC blended cements. As background information, Thomas & Hooton are preparing a PCA report summarizing the Canadian concrete data (report to be issued in July 2010).

The Canadian laboratory and field concrete data show that bleeding rates are reduced, and equivalent setting times as well as early and later age strengths are achieved using PLC as when using PC on their own and with normal fly ash or slag replacement levels. Drying shrinkage and rapid chloride permeability, de-icer salt scaling and freeze/thaw performance are unaffected by PLC. The only exposures currently not allowed are for sulfate resistance, but research has shown that sulfate resistance of PLC (at both room and cold temperatures) is provided at the same replacement levels of SCMs as is currently used to obtain sulfate resistance. The field trails with PLC have all been positive [1, 2] and it is likely that PLC will be used more commonly as government environmental regulations come into being.

[1] Thomas, M.D.A., Hooton, R.D., Cail, K., Smith, B.A., De Wal, J., and Kazanis, K., G., "Field Trials of Concretes Produced with Portland Limestone Cement," Concrete International, Vol.32, No.1, Jan. 2010, pp. 35-41.

[2] Hooton R.D., Ramezani-pour A., and Schutz, U., "Decreasing the Clinker Component in Cementing Materials: Performance of Portland-Limestone Cements in Concrete in combination with Supplementary Cementing Materials", CD Proceedings, 2010 Concrete Sustainability Conference, NRMCA, Tempe, Arizona, April 12-15, 2010, 15pp.

Doug Hooton preparing for comprehensive presentation



2011 marks the 50th year of the Roger H Corbetta Annual Awards for Quality Concrete.

The CIB will commemorate the anniversary with an award program highlighting all of the awards in November.

The call for entry for this year's award will be out by the end of April.

Previous Roger H. Corbetta Award Winning Project 2008

Cooper Union New Academic Building for the Advancement of Science and Art. This project was awarded the honor of being the first academic building in New York City to achieve Platinum status.

“With each new

LEED-certified building, we get one step closer to USGBC’s vision of a sustainable built environment within a generation”, said Rick Fedrizzi, President, and CEO & Founding Chair, of the U.S. Green Building Council. “As the

newest member of the LEED family of green buildings, the Cooper Union for the Advancement of Science & Art is an important addition to the growing strength of the green movement”.

Photos by Iwan Baan



New ACI Publications at CIB Office

212.3R-10 Report on Chemical Admixtures for Concrete

223R-10 Guide for the Use of Shrinkage-Compensating Concrete

301-10 Specifications for Structural Concrete

306R-10 Guide to Cold Weather Concreting

423.8R-10 Report on Corrosion and Repair of Grouted Multistrand and Bar Tendon Systems

503.3-10 Specification for Producing a Skid-Resistant Surface on Concrete by the use of epoxy and aggregate.

To the members of the CIB, feel free to send in information regarding your company news.

Let's here it.

CIB News of Members

Congrats to Stephen S. Marchese, P.E. who was named a Fellow of ACI .

He will be bestowed this honor at the upcoming ACI Convention in Tampa, Florida in April.

The CIB family expresses our deepest sympathy in the passing of:

Mrs. Vivian Goldreich,

Dr. Cheryl Welch sister of Mike Welch of Euclid Chemical

Mr. Glen Mull of Buzziunicem USA

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Damon Petrillo of Tudor Perini provides in depth presentation on the CIB Award of winning JFK International Airport – Runway 13R-31L at the February educational luncheon. Kudos to Damon and thanks.



EPA CCP Regulation and the future of Fly Ash Recycling
Tom Adams of ACAA will speak on March 30th at NYAC

We're on the Web!

See us at:
www.cibofnyc.org



Much appreciation goes to Rob Gill of the Port Authority of NY & NJ for his assistance in putting this newsletter together.

The US Environmental Protection Agency has proposed rules for the disposal of coal combustion products (CCP) including fly ash. The agency's proposal was published in June, 2010 and public comments were accepted until November 19, 2010. The agency is in the process of reviewing over 400,000 submittals to the docket.

While the proposal was directed at the disposal of CCP, the beneficial use or recycling of these valuable resources was brought under scrutiny. In spite of the successful use of these materials for several decades and two previous determinations by the EPA that these materials did not warrant management as hazardous wastes, the agency has made this possibility a reality.

This presentation will provide a review of the efforts to encourage recycling of fly ash and other CCP, the regulatory realities under consideration, and the potential impacts on markets using CCP.

