

# IMI ILLINOIS MONTHLY UPDATE

## September 2010 p.1

Scott Conwell, AIA, LEED AP BD+C  
Illinois Director of Market Development

### International Masonry Institute

2140 Corporate Dr. Addison, IL 60101  
(630) 396-3144 sconwell@imiweb.org  
(630) 953-2106 fax www.imiweb.org



### EVENT REPORT



Event Date: 9/27/10

Location: IMI Office / District Council Training Center

Topic: IIT Masonry Day

Attendees: 157 architecture students from Illinois Institute of Technology; 8 professors

#### Summary:

As in years past, this semester IMI was central to the masonry curriculum at the Illinois Institute of Technology College of Architecture. Area director Scott Conwell delivered a two-hour class lecture on Masonry Design and Detailing on campus, attended by all eight sections of sophomore architecture students. The following week, the entire group of 150+ visited the IMI training center for hands-on exercises in bricklaying and a comprehensive tour of allied craft mockups. The students laid up brick arches, installed flashing, and viewed mockups of cavity walls, adhered and anchored veneer, rainscreen walls, and AAC. They also toured mockup stations of Tile and Terrazzo, Tuckpointing, and Plastering, where instructors talked about their craft and answered questions. Lead professor Mike Glynn said that the students really benefit from this event each year, and the knowledge they gain about the craft of masonry will stay with them throughout their career.



reported by Scott Conwell 9/27/10

### Student Programs

The fall semester is the masonry semester at colleges across Illinois, and as in previous years, the professors call on IMI to help provide the education. In September, we delivered lectures and hosted field trips for architecture students at Illinois Institute of Technology, University of Illinois Urbana/Champaign, and for construction management students at Illinois State University.

Illinois  
Institute  
of  
Technology

ILLINOIS STATE  
UNIVERSITY



ILLINOIS  
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

### Current and upcoming professional education seminars

12/14/10	AIA Central Illinois	Bloomington, IL	"Cold Weather Masonry Construction"	30 est.
12/09/10	DeStefano + Partners	Chicago, IL	"AAC Case Study"	30 est.
11/29/10	Illinois State University Greenfluence chapter	Normal, IL	"Masonry for Sustainability"	35 est.
11/16/10	Northern Illinois CSI Chapter	Addison, IL	"Tour Bricklayers Training Center"	45 est.
11/09/10	Association of Licensed Architects, Illinois chapter	Rolling Meadows, IL	"Masonry for Sustainability"	70 est.
11/03/10	Larsen & Darby Architects	Rockford, IL	"Introduction to AAC"	25 est.
11/02/10	Illinois State University	Normal, IL	"Masonry Design and Detailing"	35 est.
10/28/10	Pella ACE-Con Architectural Conference	West Chicago, IL	"Masonry for Sustainability"	45 est.
10/26/10	O'Shea University / O'Shea Builders	Springfield, IL	"Cold Weather Masonry Construction"	30 est.
10/06/10	Walsh Construction (office)	Chicago, IL	"Cold Weather Masonry Construction"	18
09/30/10	Walsh Construction (jobsite)	Chicago, IL	"Quality Control for Masonry"	14
09/29/10	St. Louis architects & engineers	St. Louis, MO	"Maximizing Sustainable Masonry Solutions"	147
09/27/10	Illinois Institute of Technology Architecture student	Addison, IL	"Hands-on Bricklaying"	157
09/24/10	Illinois Institute of Technology Architecture student	Chicago, IL	"Masonry Design and Detailing"	157
09/23/10	Illinois State University	Normal, IL	"Masonry Design and Detailing"	35
09/22/10	Central IL AIA, Central IL Mason Contractors	Morton, IL	"Quality Control for Masonry"	26
09/14/10	University of Illinois Architecture students	Champaign, IL	"Masonry Design and Detailing"	24
09/10/10	Central Illinois Green Expo	East Peoria, IL	"Masonry for Sustainability"	8
09/08/10	Chicago Transit Authority (4 of 4)	Chicago, IL	"Quality Control for Masonry"	40
09/07/10	Matrix Engineering	Chicago, IL	"Structural Tips"	22

# IMI ILLINOIS MONTHLY UPDATE

## September 2010 p.2

### IMI facilitates jobsite Quality Control meeting at new Walsh Construction Headquarters

Walsh Construction called on IMI to deliver a masonry quality control seminar for the union bricklayers of Don Stoltzner Masonry, for the new Walsh Construction Headquarters in Chicago. This project is expected to be LEED Platinum, and utilizes masonry in many creative ways. IMI's QC seminar is one way Walsh uses the value of IMI to build better masonry buildings.



### IMI helps mason contractors on Illinois Air National Guard, Wheaton School projects

M.R. Masonry in Peoria called on IMI to run interference with the architect on two separate issues with respect to their project at the new Illinois Air National Guard facility under construction. The architect had unrealistic expectations about fitting reinforcement in 4" CMU veneer; and the architect specified an inappropriate type of horizontal joint reinforcement. IMI wrote letters to the architect on behalf of the contractor, resolving the situation each time. G. Porter Masonry in Chicago also had IMI write a letter expressing our assessment of some workmanship issues at Wheaton Christian Grammar School, which was met with the intended results.



### Professional Education Seminars

September was a busy month for delivering educational seminars to architects, engineers, and students on various masonry topics. Structural Masonry Tips continues to be a new popular seminar, and IMI's seminar at the Central Illinois Green Expo was also well received.



Scott,

Thanks for your presentation yesterday, it was good to see the guys engage and get a more comforting feeling at the level of care they will be putting into their work as well as the refresher for all of us.

Talk soon,

Jackie Newman

*e-mail from Walsh project manager re. IMI's Quality Control seminar*

### MEETING REPORT



Meeting Date: 9/28/10

Location: Perkins & Will Architects, 330 N. Wabash, Chicago, IL

Topic: William Jones Commercial High School

Attendees: Bryan Schabel, Senior Designer, P&W; Scott Conwell, IMI

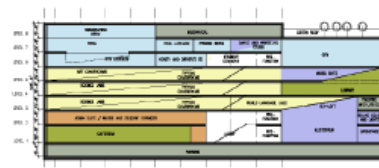
#### Summary:

The Chicago Public Schools has hired Perkins and Will to design an 8-story, 240,000 s.f. high school addition, estimated \$20-25M construction cost. The architect is currently in the Design Development phase. I met with Bryan Schabel, Senior Designer to discuss the use of masonry on the project. I made an informal presentation to him, speaking from a marketing booklet I had prepared in advance, specific to this project. I used several graphics of the project downloaded from the Public Buildings Commission web site.

We mainly talked about masonry vs. precast concrete, and the benefits of masonry in terms of design flexibility, cost, schedule, and sustainability. Bryan said that there will be a substantial amount of masonry on the building, but they're also planning some structural precast, metal panel, and curtain wall. He said that the east and west sides will be masonry at the first three floors, as well as the north end's main entrance. The building will have a structural steel frame.

He said that there will be many interior partitions of either structural glazed tile or glazed block. They prefer SGT, but are having a hard time justifying its cost compared with glazed block. They want to get 1 to 2 hour fire rating from these interior walls, and I promised to send him info on the equivalent thickness calculations in lieu of UL test data.

Bryan said that they're planning epoxy terrazzo for all the corridors and lobby areas, and ceramic tile at the toilet rooms.



#### Action Items:

- ☐ send Bryan info on equivalent thickness calculations for SGT and glazed block

reported by Scott Conwell 9/28/10



# IMI ILLINOIS MONTHLY UPDATE

## September 2010 p.3

PROJECT INVOLVEMENT						
Date	Owner	Project	Location	Masonry Issue	Architect / Contractor	Action / Status
09/28/10	Illinois Air National Guard	C130 Squadron Operation Facilities	Peoria, IL	9 gauge vs. 3/16 eye and pintle horizontal joint reinforcement	Benham Companies	letter to architect on behalf of mason contractor
09/28/10	City of Chicago Public Buildings Commission	Jones Magnet High School	Chicago, IL	fire ratings; SGT vs. glazed block; terrazzo floors	Perkins & Will - Bryan Schabel, Senior Designer	marketing presentation re. masonry vs. precast to architect
09/23/10	Edwards	private residence	downtown Chicago, IL	high IRA brick	Crouch Seranko, Julie Seranko; Bulley & Andrews is GC	tech info to mason contractor
09/23/10	not specified	industrial remodeling of a factory	Chattanooga, TN	30-ft high AAC walls	Larsen & Darby, Rockford, IL; John O'Neill	tech info to architect
09/21/10	Peoria Library Board	Peoria Main Library Addition	Peoria, IL	air barrier application, thin adhered stone veneer	PSA-Dewberry Architects; Farnsworth Architects; M.R. Masonry	job site visit to review plastering in-progress
09/20/10	Standard Bank	new bank construction	95th & Western, Chicago, IL	Stone Lite panels	Sabo Masonry; Mike Wilson foreman	job site visit to document project for future BAC work; interviewed BAC foreman for case study
09/15/10	Southern Illinois University	new Art and Design Building	Edwardsville, IL	brick vs. precast	not specified	met w/ SIUE Vice Chancellor of Administration Ken Neher to discuss project
09/15/10	Southern Illinois University	new Engineering Building	Edwardsville, IL	brick vs. precast	Trivers Associates Architects	met w/ SIUE Vice Chancellor of Administration Ken Neher to discuss project
09/15/10	Southern Illinois University	new Athletic Building	Edwardsville, IL	brick vs. precast	Herford Architects	met w/ SIUE Vice Chancellor of Administration Ken Neher to discuss project
09/15/10	Illinois Capital Development Board / Southern Illinois University	Southern Illinois University Edwardsville Science Center	Edwardsville, IL	brick-faced precast concrete vs. traditional masonry	Hastings + Chivetta Architects; Williams Brothers Construction	met w/ CDB Executive Director Jim Riemer and his staff; and met w/ SIUE Vice Chancellor of Administration Ken Neher to discuss project
09/15/10	Illinois Capital Development Board / University of Illinois	University of Illinois Electrical and Computer Engineering Facility	Champaign, IL	terra cotta rainscreen wall	Smith Group	met w/ CDB Executive Director Jim Riemer and his staff to discuss project
09/14/10	not specified	water treatment plant	Chicago, IL	staining new brickwork with carbon to give it an aged appearance	Jonas Packer, AECOM Architects	tech info to architect; consulted with Bob Arnold & Don Walker
09/13/10	Family Express	new gas station	Valparaiso, IN	efflorescence	Ventura Stainback Turnbull	review photos, drawings, and troubleshoot for architect and brick supplier
09/09/10	Illinois Air National Guard	C130 Squadron Operation Facilities	Peoria, IL	4" split face CMU veneer over 8" CMU backup w/ air barrier	Benham Companies	plan review w/ architect & contractor
09/02/10	Dan Reagan	private residence	Chicago, IL	stone over studs & sheathing; keeping cavity clean	Walsh Construction, Daniel Reagan	tech info to owner/contractor
09/02/10	McDonald's Corp.	various restaurants	USA	portland cement stucco over CMU	McDonald's - Mike Rogers	tech info to architect; review and respond to questions; get input from Mike Hooper, BAC

### Central Illinois Masonry Day

IMI and the Central Illinois Mason Contractors' Association (CIMCA) hosted their annual Masonry Day on September 23. This year's event was held at the BAC Local 6 training center in Morton, Illinois, which allowed for hands-on bricklaying demonstrations to complement the architectural presentation. Architects from PSA-Dewberry, BLDD, AECOM, Allied Design, and many others attended this event, as did mason contractors from Otto Baum Construction, JJ Braker & Sons, MR Masonry, and others. The mixed audience of designers, contractors, and bricklayers generated some great discussion during the technical portion of the program, which was an AIA-registered seminar on Quality Control for Masonry. Following the seminar and lunch, the architects participated in bricklaying exercises, where they learned the importance of IMI training and skilled BAC craftworkers.



Architect Dick Barker from PSA-Dewberry turns an arch.



reported by Scott Conwell 9/29/10

# IMI ILLINOIS MONTHLY UPDATE

## September 2010 p.4



10:00 AM – 11:15 AM

**Sustainable Solutions with Masonry**  
**Scott Conwell, International Masonry Institute**  
*(Professional Audience: Architects, Engineers, Building Owners, Developers, Public Agencies, Contractors, and others interested in green building)*

This presentation will identify the specific contribution that masonry makes in the area of Sustainable Sites, Energy & Atmosphere, Materials & Resources, Indoor Environmental Quality and Innovation & Design. Masonry materials can be used to create buildings with significantly less impact on the environment than many other materials, often yielding immediate and measurable results toward sustainability. Brick, stone, tile, terrazzo, marble, and plaster are known for its beauty and performance, and these same materials also play an important role in addressing the requirements for up to 52 points in LEED

### SITE VISIT REPORT



**Meeting Date:** 9/20/10

**Location:** Standard Bank construction site, 95<sup>th</sup> and Western Avenue, Chicago, IL  
**Topic:** Stone Lite panel installation

**Attendees:** Mike Wilson, foreman w/ Sabo Masonry; Scott Conwell, IMI

#### Summary:

At the suggestion of Nick Marinopoulos, field rep for BAC ADC 1 IL, I visited this job site to document the installation of the Stone Lite panels. These are thin stone panels with lightweight honeycomb backing, going up over metal studs and sheathing. This type of panel is one of many emerging products / technologies that BAC has claimed. The purpose for documenting this job is to use it as a precedent for future work. Sabo Masonry of Bensenville, IL is the mason contractor on this job. Local 74 member Mike Wilson is the foreman.



reported by Scott Conwell 9/20/10

### MEETING REPORT



**Meeting Date:** 9/15/10

**Location:** Morning meeting: Illinois Capital Development Board (CDB), Stratton Building, Springfield, IL  
 Afternoon meeting: Southern Illinois University, Edwardsville, IL

**Topic:** SIUE Edwardsville Science Center, UIUC Electrical & Computer Engineering Facility; Upcoming CDB and SIUE projects

**Attendees:** from CDB: Jim Riemer, Executive Director; Ron Wright, Administrator; Lisa Mattingly, P.E., Administrator; Terry Phelan, P.E., Administrator  
 from SIUE: Ken Neher, Vice Chancellor of Administration  
 from BAC/IMI: Dave Toenjes and John Moore, BAC Local 8; Scott Conwell, IMI

#### Summary:

These two meetings were arranged by Dave T. and John M. from BAC Local 8 with the input of Illinois State Representative Jay Hoffman, who was unable to attend. The objective of the meetings was to counter the arguments put forth in the 8/30/10 letter written by Hastings + Chivetta Architects, designers of the new SIUE Science Center, which argued the merits of precast concrete; their letter was in response to a marketing booklet IMI put together advocating masonry for this project. While all parties agreed that it was too late to change the design on the SIUE Science Center, we were successful in making the point that traditional masonry provides 1) more local jobs; 2) improved construction schedule; and 3) increased energy efficiency, compared with precast. We discussed many other benefits of BAC-installed masonry, but these were the three main points we decided to focus on.

Williams Brothers is the GC on SIUE Science Center; CDB said there is approx. 25,000 s.f. of interior CMU. CDB also advised us of future projects that either may, or will for certain, be designed with masonry: SIUE Science Center (Phase 3) will get \$25-30M renovations; Hastings & Chivetta is the architect. SIUE Engineering Building will get \$8M addition plus \$8M renovations; Trivars Associates is the architect. SIUE will build a new Athletic Building (not a CDB job); Herford Assoc. is the architect. SIUE will build a new Art & Design Building (not a CDB job). According to Ken Neher, the Athletic Building, Art & Design Building, and Engineering Building will be traditional masonry. However, it's important for us to maintain a strong presence before this group.



**Masonry: The best choice for Southern Illinois University Science Center**

At the CDB morning meeting, we also discussed the \$95M University of Illinois Electrical & Computer Engineering terra cotta rainscreen building due to bid November 1, 2010. We made it clear to CDB that this wall represents a newer masonry system, and that several of the BAC mason contractors are preparing to bid on this project.

#### Action Items:

- ☐ Subscribe to project list alerts on CDB web site
- ☐ Schedule meeting with Tony Licata, CDB, Chicago
- ☐ Send marketing booklet to Trivars Architects re. SIUE Art & Design Building
- ☐ Send marketing booklet to Rich Klein, Campus Architect re. SIUE projects
- ☐ Send marketing booklet to Herford Architects re. Athletic Building

reported by Scott Conwell 9/15/10



# IMI ILLINOIS MONTHLY UPDATE

## September 2010 p.5

### September activities & programs

Sept 1	meet w/ Angelo Trapani, Walsh Construction re. <b>University of Illinois</b> graduate student lecture	Chicago, IL
Sept 7	<b>Structural Masonry Tips</b> seminar at Matrix Engineering	Chicago, IL
Sept 8	meet w/ Leona Ketterl, City of Chicago <b>Public Building Commission</b> re. William Jones College Preparatory High School	Chicago, IL
Sept 8	meet w/ Dick Fencil, <b>Gensler Architects</b> re. building envelope	Chicago, IL
Sept 8	<b>Quality Control for Masonry</b> seminar at Chicago Transit Authority	Chicago, IL
Sept 9	job site visit w/ Dave Marvin, MR Masonry at <b>Peoria Main Library</b> addition to review air barrier and CMU installation	Peoria, IL
Sept 9	meet w/ Mike Zimmerman, MR Masonry and Todd Light, AIA re. plan review for <b>Illinois Air National Guard Squadron Operation Facilities</b>	East Peoria, IL
Sept 10	IMI Market Development staff teleconference	Addison, IL
Sept 10	<b>Masonry for Sustainability</b> seminar at Central Illinois Green Expo (presenting only, not exhibiting)	East Peoria, IL
Sept 14	masonry lecture at <b>University of Illinois</b> College of Architecture	Champaign, IL
Sept 14	meet architectural professor Dr. Kim and Angelo Trapani, Walsh Construction re. U of I masonry lectures	Champaign, IL
Sept 15	IMI presentation to <b>Capital Development Board</b> re. masonry on State of Illinois projects	Springfield, IL
Sept 15	IMI presentation to <b>Capital Development Board</b> re. masonry on Southern Illinois Univesity Science Center	Edwardsville, IL
Sept 17	judge SpecMix Bricklayer 500 competition	Elburn, IL
Sept 20	Standard Bank Stone Lite job site visit w/ <b>Sabo Masonry</b> , Bob Arnold, Nick Marinopoulos	Chicago, IL
Sept 20	job site visit at Richton Park Community Center re. Renaissance Stone at base	Richton Park, IL
Sept 22	IMI seminar on <b>Quality Control for Masonry with Hands-On Bricklaying</b> for Central Illinois AIA and Central Illinois Mason Contractors Association	Morton, IL
Sept 23	8am meet w/ Mike Zimmerman, MR Masonry re. <b>Peoria Main Library</b> project	Peoria, IL
Sept 23	masonry lecture at <b>Illinois State University</b> College of Construction Management	Bloomington, IL
Sept 24	job site visit to <b>Amundsen High School</b> w/ Joe Minaglia, Limitless Design	Chicago, IL
Sept 24	<b>Masonry Design &amp; Detailing</b> lecture at Illinois Institute of Technology	Chicago, IL
Sept 27	<b>Hands-on Bricklaying</b> w/ IIT architecture students at IMI/BAC District Council Training Center	Addison, IL
Sept 28	meet w/ Bryan Schabel, <b>Perkins &amp; Will</b> re. William Jones High School	Chicago, IL
Sept 28	<b>Mason Contractors Association of Greater Chicago</b> meeting and presentation by Alan Itzkowitz, AIA	Rosemont, IL
Sept 29	<b>Maximizing Sustainable Masonry Solutions</b> presentation for St. Louis architects	St. Louis, MO
Sept 30	IMI jobsite training and preconstruction conference at <b>Walsh Construction Headquarters</b> masonry addition, w/ Don Stoltzner Masonry	Chicago, IL

# IMI ILLINOIS MONTHLY UPDATE

## September 2010 p.6

### Upcoming Programs

Oct 1	meet w/ Dave Collins, IMI and Ted Champ, BAC re. <b>Indianapolis training center</b>	Indianapolis, IN
Oct 5	<b>Association of Licensed Architects / CSI Architectural Expo</b>	Oak Brook, IL
Oct 6	<b>Cold Weather Masonry Construction</b> seminar at Walsh Construction	Chicago, IL
Oct 6	job site visit at <b>Walsh Construction Headquarters</b> w/ Bob Arnold, Stoltzner Masonry	Chicago, IL
Oct 7-8	<b>NTMA</b> Annual Technical meeting	Chicago, IL
Oct 12	meet w/ Steve Beck, professor at <b>IIT College of Architecture</b> for 1:50 IPRO class	Chicago, IL
Oct 25	IMI-sponsored Tile Design program with <b>Ceramic Tile Contractors Association of Greater Chicago</b> meeting	Arlington Heights, IL
Oct 26	<b>Cold Weather Masonry Construction</b> seminar at O'Shea University, O'Shea Builders	Springfield, IL
Oct 28	<b>Masonry for Sustainability</b> presentation at ACE-Con conference	West Chicago, IL
Nov 2	masonry lecture at <b>Illinois State University</b> College of Construction Management	Normal, IL
Nov 2	meet w/ Dr. Park, Construction Management Program Coordinator at <b>Illinois State University</b> re. masonry in curriculum	Normal, IL
Nov 3	IMI presentation on <b>Introduction to AAC</b> at Larson & Darby Architects	Rockford, IL
Nov 9	IMI presentation on Masonry for Sustainability for <b>Association of Licensed Architects</b> meeting	Rolling Meadows, IL
Nov 17	National Building Museum reception at Greenbuild	Chicago, IL
Nov 18	<b>USGBC GreenBuild</b> (attend only)	Chicago, IL
Nov 16	IMI hosts tour of District Council Training Center for <b>Northern Illinois Construction Specifications Institute</b>	Addison, IL
Nov 29	Masonry for Sustainability presentation at <b>Greenfluence student chapter</b> , ISU College of Construction Management	Normal, IL
Dec 7	<b>IMI - AIA Chicago Young Architects Annual Plastering Event</b> and Holiday Party	Chicago, IL
Dec 9	IMI presentation of <b>Richton Park Community Center</b> case study at DeStefano + Partners Architects	Chicago, IL
Dec 14	<b>Cold Weather Masonry Construction</b> seminar at AIA Central Illinois	Bloomington, IL
March 16	<b>Masonry for Sustainability</b> seminar at FGM Architects	Oak Brook, IL
June 5-8	Eleventh North American Masonry Conference (tentative)	Minneapolis, MN
Sept 14-16	Construct 2011 - CSI National Conference (tentative)	Chicago, IL