

ASCE

American Society
of Civil Engineers



News

ASCE Illinois Section

Vol. 50, No. 8
October 2009

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New Braunfels Utilities, Texas, Embraces Holistic Approach to Integrate Cityworks with Critical Business Systems

By Eric Hrnicek PE, GISP, Linda McCoy PEng, Steven Sushka GISP, Woolpert Inc.

If a kitchen sink was part of New Braunfels Utilities' (NBU) asset program, they'd have managed to get information to flow directly from that sink into Cityworks! "Anything we can do to minimize manual data input and duplicate data entry... I'm a fan of that," says Kurt Knettel, NBU's information technology supervisor. "During requirement reviews at the beginning of our project, we discussed all of our existing systems we could possibly connect to. As it turned out, we're touching just about all of them with some form of automation."

New Braunfels Utilities is responsible for managing the water, sewer, and electric infrastructure in and around the City of New Braunfels. In 2006, they selected Woolpert to implement Cityworks and integrate it with other critical business systems within their enterprise environment. NBU was looking for a system that was user-friendly, intuitive, and comprehensive which could integrate with their financial, inventory, purchasing, customer information system, timekeeping, and GIS systems.

Until then, NBU had been using various methods to track service orders and maintenance activities—hardcopy logs,



Access databases, and Excel spreadsheets as well as work orders within their customer information system. They logged inventory and financial transactions in an HTE system and kept asset inventory information in an ESRI ArcSDE geodatabase. These disparate systems and processes were not providing them with the accuracy and efficiency they needed to track and manage their fixed assets to easily comply with and report on GASB 34/35 requirements.

What NBU has now created is a more centralized enterprise work order management system that integrates with their other critical business systems and helps provide a more holistic means to manage its

(continued on page 6)

President's Notes

Robert Gorski, P.E., M. ASCE



Sadly, these are my last "President's Notes" that I will be authoring. This has been an incredible year with the Section accomplishing a great deal and I am very grateful being given the opportunity to serve our 3200+ members. Accolades are due to the many fine members who have given of their

This has been an incredible year with the Section accomplishing a great deal and I am very grateful being given the opportunity to serve our 3200+ members.

16. This was an excellent opportunity for members who attended the event in Springfield to reconnect with legislators. We were fortunate to have both Senator Martin Sandoval (D-Chicago) and Senator Christine Radogno (R-Lemont) who delivered a discussion regarding activities in Springfield and provided insight regarding the status of the Capital Bill. It was extremely refreshing to have two members of the General Assembly who work as colleagues for the good of the State despite being members of competing political parties. The event had a strong turnout of members and included past presidents Kay Whitlock, John Zimmerman, Joe Johnson, and John O'Holleran.

It was extremely refreshing to have two members of the General Assembly who work as colleagues for the good of the State despite being members of competing political parties.

Illinois Infrastructure Report Card

The categories are being finalized and formatted by Sarah Harbaugh and we are now targeting October 28th, the second Wednesday of the Fall Veto Session, to release the document that will be used as a tool to demonstrate the need for additional resources for infrastructure. I especially want to thank Bill Cussen who chaired the committee that prepared the document, with his leadership and perseverance

time to support a profession that we are all passionate about. I love my career as an engineer, enjoy every day and am proud to work alongside folks who feel the same. I am especially fortunate to have had such a tremendous Executive Committee in Kay Whitlock, Chris King, Darren Olson, and Bill Cussen. This group worked closely together and constantly communicated.

Incoming President Chris King is well qualified and a great leader for the Section and I look forward to working with him as Past President.

Our technical groups were led by a great group of individuals that included Srikanth Panguluri, Graig Neville, Gary Goodheart, Eric Olson, Zaida Morillo, and Kurt Keifer. Srikanth and Gary will be continuing on the board as Directors to 2011.

Special thanks to outgoing Directors Professor Krishna Reddy, Dipal Vimawala, and Lou Arrigoni. Each supported the Section by giving of themselves and we are grateful.

Here is my last Key Issues update:

Local Government Relations

The Section hosted a Fall Legislative Reception on Wednesday, September

ASCE Illinois Section News

ILLINOIS SECTION NEWSLETTER

Mailed to all ASCE-IS dues-paying members
American Society of Civil Engineers
Illinois Section - Region 3

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ASCE National Information

Phone: 1-800-548-ASCE
Web Site: www.asce.org

**Submission deadline for the
Newsletter is the 10th of the month.**

we would not be where we are at now. The categories that were graded for the report card with the folks responsible include:

Aviation

Andres Garcia, Colleen Quinn

Bridges

Basar Civelek, Emilie Becq-Giraudon, Abdul Khan

Dams/Levees

Nick Textor, Brian Martindale, Bob Ivarson, Lee Guethle

Drinking Water

Chris King, Bill Cussen

Navigable Waterways

Gary Loss

Rail

Paula Pienton, Aaron Bowe

Roads

Srikanth Panguluri, Lou Arrigoni, Joe Catalano, Matt Dawson

Transit

Steve Rienks, Jack Linhart

Waste Water

Manju Sharma, Adam Gronski

Engaging Young Students

I am beginning to serve as a Future City (<http://www.futurecitychicago.org/>) Mentor to the 7th grade class at Newton Bateman Elementary in Chicago (www.bateman.cps.k12.il.us). I will be reaching out to colleagues to join me as we prepare for the annual competition in January hosted by the University of Illinois at Chicago.

Illinois Section ASCE	
	2010 Proposed
REVENUES	
Interest Income - Checking	\$ -
Interest Income - Savings	\$ 350.00
Miscellaneous Income	\$ -
Section Dues	\$ 54,540.00
Society Allotment	\$ 16,000.00
Ad Income - Newsletter	\$ 7,500.00
Ad Income - Web Site	\$ 700.00
Annual (IL Sect dinner) Meeting	\$ 42,000.00
Public Affairs Grant	\$ 1,500.00
President Elect Dinner	\$ 5,250.00
Total Revenues	\$ 127,840.00
EXPENSES	
ASCE Conferences	\$ 8,000.00
Board Meetings	\$ 1,000.00
General - Misc.	\$ 500.00
Postage	\$ 500.00
Region 3 Contributions	\$ 1,000.00
Rent/Local Phone	\$ 3,000.00
Secretarial Services	\$ 10,000.00
Stationary/Off. Supplies/Software	\$ -
Conference Call Fees	\$ 500.00
Newsletter	\$ 20,000.00
Web Site Maintenance	\$ 200.00
Annual IL Sect dinner Meeting	\$ 45,000.00
Awards - Misc.	\$ 1,500.00
President Elect dinner	\$ 9,000.00
Section Projects	\$ 20,000.00
ASCE Council (IEC & IECA)	\$ -
Engineer's Week	\$ 1,000.00
Future City's Competition	\$ 1,000.00
Student Activities	\$ 8,000.00
Total Expenses	\$ 130,200.00
NET INCOME	



**FLOODPLAIN MAP REVISION WORKSHOP
(CLOMRs & LOMRs)
November 3, 2009**



The Environmental Engineering and Water Resources Technical Group (EE&WR) of the Illinois Section of the American Society of Engineers (ASCE) and the Illinois Association for Floodplain and Stormwater Management (IAFSM) is please to present an evening dinner seminar focusing on the FEMA floodmap revision process. The presenters will be:

Michael DePue, P.E., CFM
Riverine Study Process Lead
STARR

Mike Anderson
Regional Service Center Manager
STARR

This dinner seminar will cover the following topics:

- National Flood Insurance Program
- Basic definitions
- FEMA Flood Map Zones
- FEMA Flood Map Amendments/Revisions
- CLOMRs and LOMRs
- Submittal requirements for CLOMRs and LOMRs
- Submittal steps
- Keys to successful FEMA Map Revisions

Attendees will receive a certificate for 1.5 PDH's. Registration is due by **October 28, 2009**. Registration fees will include dinner, presentation materials and a Floodplain Map Revision resource CD.

For more information, please contact Patrick Lach at plach@heyassoc.com or at 773-342-6292 x12.

Floodplain Map Revision Workshop (CLOMRs & LOMRs)

Date: Tuesday, November 3, 2009
Time: 5:30 pm Social Hour / 6:30 pm dinner
Location: Fountain Blue
2300 Mannheim Road
Des Plaines, IL 60018
www.fountainblue.com



Cost: \$60 for non-government
\$55 for government employees

Registration Form for Floodplain Map Revision Workshop (CLOMRs & LOMRs)

If you wish to pay by **Credit Card**, please visit our online signup page at:

<https://www.123signup.com/event?id=jcfx>

Or fill out the information below

Attendee's Name: _____

Company Name: _____

Address: _____

Email: _____

Phone: _____

Please check the appropriate box for the attendee: Non-Government (\$60) Government (\$55)

How did you hear about this seminar? ASCE Newsletter ASCE Email ASCE Website
 IAFSM Newsletter IAFSM Email IAFSM Website Other (please specify) _____

Please make checks payable to: **ASCE Illinois Section EE&WR**

Send registration form & payment by 10/28/2009 to: Patrick Lach / Hey and Associates, Inc.
6321 N. Avondale Ave. Ste A-211
Chicago, IL 60631

Win Money for Your ASCE Section



The ASCE Renewal Race (www.asce.org/finishline) pits you against Sections of similar size to see which Section can get the highest percentage of members to renew before Dec. 1.

How far can you make \$1,250 go in your Section budget? ASCE knows in today's economy, belts have tightened. But now you have the opportunity to earn some much needed cash for your Section simply by getting your members to renew. The ASCE Renewal Race (www.asce.org/finishline) pits you against Sections of similar size to see which Section can get the highest percentage of members to renew before Dec. 1. The top small, medium, and large Section will each receive \$1,250. Check out ASCE's special Renewal Race page (www.asce.org/finishline) for complete details – and be sure to visit each week to see where your Section ranks on the leader board.

Section Activities

O C T O B E R 2 0 0 9

Transportation Group

Executive Committee Monthly Meeting

Date: Tuesday, October 6

Time: 5:30 pm

Place: Stanley Consultants
8501 W. Higgins Road, Suite 700
Chicago, IL 60631

RSVP: CerdaAntonio@stanleygroup.com

Structural and Geotechnical Group

Joint Monthly Dinner Meeting

Topic: Trump Tower Foundation Design

Speakers: Bill Walton, AECOM and Jeremy Kirk, Skidmore Owings and Merrill

Date: Wednesday, October 7

Time: 5:30 pm

Place: Pazzo's
311 S. Wacker Dr.
Chicago, IL 60606

Cost: \$40 (\$20 for Students) – RSVP on or before Friday, October 2, 2009

\$45 – without/late RSVP

Please make checks payable to:
ASCE Structural Group

PDH: 1.0 Professional Development
Hours will be earned by attendance.

Parking: Self-service parking is available south of the building for \$10.

RSVP: Please RSVP by October 2, 2009 to Victor E. Van Santen at victor.vansanten@hdrinc.com or 773-380-7966

Urban Planning & Development Group

Monthly Dinner Meeting

Date: Thursday, October 8

Time: 6:00 pm

Place: Venuti's Ristorante
2251 W. Lake Street
Addison, IL

Cost: Complimentary Dinner provided to the first 15 people to RSVP

RSVP: michelle.lipinski@rubinoeng.com

Urban Planning & Development Group

5th Annual Golf Outing

Info: 35 individual slots available.
Tee times starting at 12:00 pm to 1:30 pm. Golf format is informal. Several groups will be playing two-man best ball.

Date: Friday, October 9

Time: 12:00 pm

Place: Bloomingdale Golf Club
I-355 and Lake Street

Fee: \$39/person

RSVP: Please RSVP by October 1, 2009 to Jay Olson at jay.olson@comcast.net

Environmental Engineering & Water Resources Group

Monthly Group Meeting

Date: Tuesday, October 13

Time: 5:30 pm

Place: MWH
175 W. Jackson Blvd.
Chicago, IL 60604

(Use elevator banks on the Van Buren side of the building)

ASCE Illinois Section

93rd Annual Dinner

Date: Wednesday, October 14

Time: 6:00 pm

Place: Chicago Art Institute
111 S. Michigan Ave.
Chicago, IL

Info: Please visit <http://www.isasce.org> for more information and registration.

Younger Member Group

Monthly Dinner Meeting

Topic: Spring Brook No. 2 Meander Project

Speaker: Erik Gil – Water Resources Section Head, CBBEL

Date: Wednesday, October 21

Time: 5:30 pm (dinner) and
6:00 pm (presentation)

Place: CBBEL
9575 W. Higgins Road, Suite 600
Rosemont, IL 60018

Cost: \$15 YMG Members, \$5 Students

RSVP: Please RSVP by October 15, 2009 to Matt Huffman at mhuffman@cbbel.com

Engineers Without Borders

Monthly Chapter Meeting

Date: Tuesday, October 27

Time: 6:00 pm to 7:30 pm

Place: UIC Campus
Engineering Research Facility –
Room 1043

Corner of Halsted and Taylor
Chicago, IL

UPCOMING EVENTS

Environmental Engineering & Water Resources Group

LOMR Workshop

Date: November 3, 2009

Place: Fountain Blue
Des Plaines, IL

Monthly Group Meeting

Date: Tuesday, November 10

Time: 5:30 pm

Place: MWH
175 W. Jackson Blvd.
Chicago, IL 60604
(Use elevator banks on the
Van Buren side of the building)

MWRDGC Ordinance and Watershed Studies Dinner Seminar

Date: Thursday, November 12

Time: at time TBD

Place: TBD

Urban Planning & Development Group

GPS and GIS Technology and Applications Seminar

Topic: GPS and GIS Technology and Applications Seminar

Date: Thursday, November 12

Time: 7:30 am to 11:45 am

Place: Schaumburg Golf Club
401 N. Roselle Road
Schaumburg, IL 60194

Cost: \$100

PDH: 3.5 Professional Development Hours will be earned by attendance.

RSVP: Please RSVP by November 2, 2009 to Chris Gunn at chris.gunn@cgl-ltd.com

Engineers Without Borders

Great Lakes Regional Workshop

Details: EWB is working with the Milwaukee and Wisconsin Professional Chapters to host this year's regional workshop. The Chicago Professional Chapter will be developing content and arranging presenters. CPC is looking for volunteers to help plan the event, develop content, and contact speakers. See flyer in this newsletter for additional information.

Place: Wyndham Milwaukee Airport Hotel and Convention Center
Milwaukee, IL

Structural Group

LRFD Design Training for Highway Bridge Substructures and Earth Retaining Structures (4-Day)

Instructors: National Highway Institute (NHI)

Place: UBS Tower
1 N. Wacker Dr.
2nd Floor, Superior Room
Chicago, IL, 60606

Seminar Fees:

Postmarked by October 16, 2009
\$1,100

Postmarked after October 16, 2009
\$1,250

Lunches are included in the cost of the seminar

Registration Deadline:

October 16, 2009

Late Registration:

October 17, 2009 to
November 12, 2009

Cancellation fee by September 30,
2009 - \$100

No refunds after September 30,
2009

PDH: 24 Professional Development Hours will be earned by attendance.

RSVP: Please email registration form to Victor Van Santen at Victor.VanSanten@hdrinc.com
Please mail registration fees to:
HDR c/o Victor Van Santen,
8550 W. Bryn Mawr Ave.,
Chicago, IL, 60631. Please
make checks payable to ASCE
Structural Group.

Structural Group

Monthly Dinner Meeting

Topic: The Hybrid-Composite Beam

Speaker: John Hillman, P.E., S.E. – Senior Associate, Teng & Associates, Inc.

Date: Tuesday, November 17

Time: 5:30 pm

Place: Pazzo's
311 S. Wacker Dr.
Chicago, IL 60606

Cost: \$40 (\$20 for Students) –
RSVP on or before Friday,
November 13, 2009

\$45 – without/late RSVP

Please make checks payable to:
ASCE Structural Group

PDH: 1.0 Professional Development Hours will be earned by attendance.

Parking: Self-service parking is available south of the building for \$10.

RSVP: Please RSVP by November 13, 2009 to Victor E. Van Santen at victor.vansanten@hdrinc.com or 773-380-7966



Transportation Project Engineer

Milwaukee Hdqtrs.
10501 W. Research Dr.
Suite 100
Milwaukee, WI 53226
P: 414-771-3390
F: 414-771-4490

Green Bay Branch
3049 Ramada Way
Suite 200
Green Bay, WI 54304
P: 920-347-0850
F: 920-347-0851

St. Paul Branch
7300 N. Hudson Blvd.
Suite 120
St. Paul MN 55128
P: 651-735-1801
F: 651-735-1803

Location: Chicago, Illinois
Status: Full-time
Job Category: Engineering Services
Career Level: Project Engineer
Experience: 5 - 10 Years
Education: Bachelor's Degree – Civil Engineering

Job Description:

Highly motivated, qualified and client service oriented Transportation Design Engineer specializing in roadway/highway design.

- Develop intersection geometrics and intersection evaluations, including HCS and safety.
- Perform drainage design, earthwork computations and utility coordination.
- Construction staging and traffic control.
- Report writing and plan sheet development.
- Budget monitoring.
- Interact and communicate effectively with design team members, clients and other agencies.

Position Requirements:

- Bachelor's Degree in Civil Engineering
- Illinois P.E. license or ability to obtain licensing within six months
- 5 - 10 years experience in transportation design
- Familiarity with Illinois Department of Transportation policies and procedures for design and construction document preparation
- Experience with IDOT Phase I studies and plans.
- Experience with Geopak, InRoads and MicroStation desirable
- Project management experience
- Excellent communication skills

Company Information:

Bloom Companies, LLC is an engineering, architecture, and construction firm providing quality, cost-effective consulting, design, and construction services to transportation, municipal, industrial, state and federal government agencies. Bloom offers a wide range of engineering services including bridge, structural, highway/roadway, traffic, geotechnical, environmental, land surveying, site development, stormwater management, value engineering and construction engineering. Bloom has offices in Chicago, Milwaukee, Green Bay and St. Paul.

In an effort to inform Illinois Section members of the discussions at the monthly Board meetings, the Section Secretary contributes this monthly article to the newsletter. Any questions or comments on the Board activities are welcome by contacting Bill Cussen, at Bill-c@haegerengineering.com.

■ *Treasurer's Report*

▲ Treasurer Olson distributed the Treasurer's Monthly Report and Income Statement. The section remains in a healthy financial position. A state sales tax exemption request was submitted to the State of Illinois. Also, the 2010 draft budget was presented. Illinois Section dues were down 10% in 2009 and this was reflected in the budget for next year. The decrease is likely due to the slowing economy.

■ *New Business*

▲ Dates for the 2010 President Elect Dinner were discussed. The dinner will likely be held in the last 2 weeks of April. Four Illinois Section members (including Sarah Harbaugh, the executive secretary) will be going to the headquarters training on October 12th in Washington D.C. The Younger Member Group presented its group bylaws, which were approved by the Board.

■ *Group Reports*

▲ All Groups presented a written report outlining previous and current month's activities.

■ *Standing Committee Reports*

▲ *Annual Dinner Committee:*

The Annual Dinner is coming shortly on October 14th and will be held at the Art Institute. Steve Cochrane will be the emcee, there will be no keynote speaker.

▲ *Awards Committee:* The Awards Committee met the previous month and will be forwarding their recommendations to the Board prior to the Annual Dinner.

▲ *Communications Committee:*
No report.

▲ *Golf Outing Committee:*
No report.

▲ *Illinois Engineering Council:* The Illinois Section has withdrawn from the IEC after much deliberation.

▲ *Report Card Committee:* The report card is tentatively scheduled to be released in October. John Zimmermann, a Past President of the Section, has graciously volunteered to write the introduction.

▲ *Minority Affairs Committee:* The MBE/WBE Business Symposium is Tuesday, September 29th. For more information, please contact Carlos Nazario at 312-371-2745.

▲ *Nominations Committee:* The slate of Officers for the 2010 Illinois Section Board was approved.

■ *Old Business*

▲ ASCE National in conjunction with the Illinois Section will be hosting a Key Contact Training session in Chicago on September 22nd.

▲ ASCE National in conjunction with the Illinois Section will be hosting a PR University Training session in Chicago on September 29th.

▲ The Illinois Section held a Legislative Day on September 16th at Maggiano's with state legislators and engineers.

▲ Five Illinois Section Board members attended the ASCE Region 3 assembly in Chicago on August 14-15.

The next board meeting is scheduled for Monday, October 5, 2009, 5:30pm at MWH Americas, Inc., 175 West Jackson Blvd, 19th Floor.

By Bill Cussen, PE, Secretary
bill-c@haegerengineering.com

Calendar

2009

October 6	Transportation Group – Executive Committee Meeting	October 13	Environmental Engineering & Water Resources Group – Monthly Group Meeting
October 7	Structural and Geotechnical Group – Joint Monthly Dinner Meeting	October 14	ASCE Illinois Section – 93rd Annual Dinner
October 8	Urban Planning and Design Group – Monthly Dinner Meeting	October 21	Younger Member Group – Monthly Dinner Meeting
October 9	Urban Planning and Design Group – 5th Annual Golf Outing	October 27	Engineers Without Borders – Monthly Chapter Meeting

PLEASE VISIT ISASCE.ORG FOR MORE
INFORMATION REGARDING ILLINOIS SECTION
ACTIVITIES AND EVENTS