

ASCE

American Society
of Civil Engineers



News

ASCE Illinois Section

Vol. 44, No. 8
October 2003

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87th Annual Awards
Dinner

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Sustainable Development

The buzzword in economic and environmental circles today is sustainability (or sustainable development, sustainable growth). This article will provide the definition of sustainable development, the history of the term, examples of cities in America applying these principles and how they will likely affect the future growth of the Chicago Metropolitan region.

The most common definition of sustainable development comes from "Our Common Future" by the World Commission on Environment and Development (also known as The Brundtland Report) published in 1987: "Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their needs." According to the website, SD Gateway, hosted by the International Institute for Sustainable Development, "Sustainable development focuses on improving the quality of life for all of the Earth's citizens without increasing the use of natural resources beyond the capacity of the environment to supply them *indefinitely* [italics are mine]." Using this definition, it is obvious that one's opinion of what level of development is sustainable will be directly dependent on one's estimate of the earth's natural resources.

It is estimated that the world's economy would have to grow by a factor of seven to provide everyone in the world today with a standard of per capita resource use equal to that of the average American. The Brundtland Report recommends the expansion of the world economy be limited to a factor of five to ten. Therefore, their recommendation is based on the belief that the earth's natural resources can support indefinitely a population at current levels with an American standard of living. However, in his book entitled, *Valuing The Earth: Economics, Ecology, Ethics*, Herman E. Daly asserts there is evidence the present scale (the product of population times per capita resource use) is unsustainable. At the other extreme, John McCarthy, Professor Emeritus at Stanford University, argues that the whole world can reach and maintain American standards of living with a population of 15 billion for the next billion (no, that's not a misprint) years. Does it matter what we believe about sustainability? Obviously so, since important public policies are being shaped by it.

As a result of The Brundtland Report, the UN General Assembly passed resolution 44/228 in 1989 which called for a UN Conference on Environment and Development. The conference, dubbed "Earth Summit" convened in Rio de Janeiro on May 3, 1992 (World Environment Day) with 180 countries in attendance. The Summit produced the "Rio Declaration on Environment and Development", which sets out 27 principles supporting sustainable development of which Principle 8 states, "To achieve sustainable development and a higher quality of life for all people, States [nations] should reduce and eliminate unus-

tainable patterns of production and consumption and promote appropriate demographic policies." This resulted in a plan of action entitled "Agenda 21." The UN Commission on Sustainable Development was also established at the Summit. It was recommended that Agenda 21 be implemented on national, regional and local levels. Whether or not one agrees with their assumptions and conclusions, this document has since become the model for public policy concerning development all over the world.

Even before the release of Agenda 21, as early as the 1970's, Burlington, Vermont, observing a decline in economic development, human services and affordable housing, began charting a different course. Burlington has launched more than 50 programs in the areas of economic development, environmental protection and community development within their sustainable development initiative. For example, by the early 1970's, Burlington's waterfront had become a major eyesore, with rusty oil tanks and overgrown railroad tracks dominating the scenery. In 1973, the City Council passed an ordinance giving land owners 20 years to remove oil tanks and other unsightly structures. They also built a public boathouse, numerous facilities and walkway improvements, and an eight mile bike path. For a complete overview of Burlington's SDI, go to www.sustainable.doe.gov/success/Burlin-1.shtml.

Other cities have experienced resistance to these ideas. For instance, on May 21, 1996, the voters in Sedona, Arizona approved by referendum the Sustainable Growth Initiative, which sought to put a limit on permits for residences, lodging facilities and most other types of buildings, reducing the number of building permits that could be issued each year by nearly one third. A local real estate broker, representing the Sedona Private Property Owner's Association, immediately filed suit to prevent the ordinance from taking effect, arguing the ordinance was attempting to create zoning legislation through an initiative. The Responsible Residents of the Red Rocks countered that the ordinance was not a zoning measure, but "a tool by which to issue permits to manage growth." The county Superior Court judge ruled for the SPPOA and the Sedona City Council later voted to repeal the ordinance. Thus ended the first attempt by any Arizona city to control growth and urban sprawl.

Implicit in the concept of sustainable development is not only the Earth's ability to support the human population, but also how we live. Theoretical arguments over the Earth's capacity to sustain a given population at a given standard of living are immaterial to the average citizen if they see their quality of life eroding at the local level. Here in the Chicago metro area, The Commercial Club of Chicago (the same organization that commissioned Daniel Burnham's 1909 *Plan of Chicago*) decided in 1999 to take
(continued on page 8)

President's Notes

John Zimmermann



The Last Hurrah!!

This President's Notes may seem to you, the reader, as the latest in a long line of high-quality, thought provoking newsletter articles. However, for the author, this edition of 'Notes' has a lot more significance as it is my last. The writing of the President's Notes has been both the most enjoyable and most dreaded part of the job. I enjoy the interaction I have with the members of the Illinois Section, both good and bad, after the newsletter is issued. However, I simply dread writing them. Fortunately, this

newsletter is a summation of the amazing things accomplished by the Section during this very interesting year.

True to form our technical groups provided a full-complement of seminar programs that were as interesting and diverse as the field of civil engineering. The "Topper" of these programs was undertaken by the Urban Planning and Development Group. UP&D held two seminars in partnership with the Metropolitan Water Reclamation District of Greater Chicago. The MWRDGC is streamlining and improving the sewer permit process. The seminars were informative and well-attended. Well done to the UP&D.

getting the book ready. Support the Section and buy a copy today.

Thanks to newsletter editor Bob Gorski and Director Lisa Harbert, the Section's award winning newsletter is produced as efficiently and as economically as it ever has. You can set your watch by its delivery, and advertising now pays nearly fifty percent of the cost of production. That's up from ten percent just two years ago. Bob and Lisa have worked diligently to improve the Section's presence on the internet as well. Additionally, thanks to Directors Andy Sikich and Cliff Galitz for their hours of proof-reading throughout the year.

ASCE Illinois Section

News

ILLINOIS SECTION NEWSLETTER

Mailed to all ASCE-IS dues-paying members
American Society of Civil Engineers
Illinois Section - Zone III - District 8

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Submittal deadline for the November
Newsletter is October 10, 2003

Attendance at Section seminars has risen notably over the past 18 months. The Illinois Section and its technical groups have taken great strides to insure that our technical programs and seminars are in accordance with the newly installed Continuing Education requirements here in Illinois. Our members who are also professional engineers have supported these efforts with their attendance at our events. This year's technical chairs are to be commended for their efforts. Thanks to Glenn Clayton, Andrew Deitchman, Jack Franke, Peter Johnston, Michael O'Connor and Dhooli Raj.

This month the Section will publish the eagerly anticipated book celebrating the 150th Anniversary of ASCE with a collage of biographies and descriptions of the greatest engineers and engineering achievements in the Chicago area. The book is a real treat with 130 pages of well-written articles, pictures and illustrations. My hat goes off to Don Wittmer (Dirty Harry - "Every Dirty Job that comes along") and John Vincent. Mr. Vincent you've been carrying this book up a mountain. Thanks for getting it to the top. I also thank Cleighton Smith, Dave Kendall and our publisher, Ken Kiefer for their help in

Joe Johnson and Tim Scully-Granzier of the Minority Affairs Committee ran a very well attended golf outing this past May. The increase in competition did not keep Thomas Burke, Matt Fiset, Don Dressel and me from defending the title. Joe and Tim were able to make some money on the outing this year and sent deserving kids to the Notre Dame Engineering camp, continuing an ASCE tradition that extends well before I started participating on the Section Board. That's at least ten years.

Last year we moved the annual dinner to its current venue at the Chicago Hilton and Towers. Dan Burke, the Annual Dinner Meeting Chair, Director Tim Dickson and Jim Schupaj have more changes in store for this year. There has been quite an effort made to make the annual meeting a premiere event for our Section and I think that it shows. Please make your reservations for the Annual Dinner October 15th.

Last September I asked Director Darren Olson to serve the Section as Awards Committee

(continued on page 7)



IL-ASCE Transportation Group Luncheon on August 19th with Luann Hamilton, Director of Transportation Planning, CDOT and Chuck Allen, Superintendent of the Chicago Transportation Coordination Office, Norfolk Southern Corporation. Pictured L to R are: Robert Gorski - Secretary, Programs Chair, Chuck Allen, Luann Hamilton, Joan Zhong - Treasurer

Bridge in Nenana, Alaska

This year our vacations were probably the most beautiful that we ever had. I heard a lot about Alaska. But somehow I was kind of hesitant to go there for a visit. Frosty, snowy, etc. Boy were we surprised. Alaska is just awesome. The people, mountains, wildlife, rivers full of fishes, glaciers. Of special interest to me was the Alaska railroad. It's a full service railroad, providing freight and passenger service year-round. The railroad traverses through some of the most spectacular scenery on earth. During World War II it played a critical role in transporting construction materials and troops.

My hobby is historical American bridges. There is a very interesting railroad bridge in Nenana. Built in 1922/23 it's Alaska's longest bridge span. Alaska's historians are saying that it has the credential of a National Historic Landmark, although nobody has nominated it yet. They are saying that this bridge is not only a great feat of engineering but also helped link people and shape Alaska's history.

The bridge's main span is 700 feet long. When completed in 1923 it was the second longest simple truss span in the world, beaten only by the 720-foot span of the Ohio river bridge at Metropolis, Illinois. It was designed by Ralph Modjeski, at the time the world's leading bridge engineer. In 1974 it was named the Mears Memorial Bridge, after Frederick Mears, chairman and chief engineer of the Alaska Engineer Commission, the federal agency that built the Alaska railroad. Mears was famous as the chief engineer of the Panama Railroad line that was needed to build the Panama Canal. The Tanana River crossing was the last gap in the Alaska railroad. The initial ideas called for a multiple span structure with intermediate piers in the river. Mears feared that the ice at spring breakup would wipe out the piers. He decided on a very long single span. The Alaska Engineering Commission wasn't prepared for a bridge of this size. They decided to hire Ralph Modjeski, designer of the world-record Metropolis span. Modjeski was a designer of many other world class bridges, including the Bridge over St. Lawrence River at Quebec, the longest steel cantilever bridge in North America, and the Benjamin Franklin Bridge across the Delaware River at Philadelphia with a record span of 1,750 feet. This was the first of the great modern suspension bridges. Modjeski was also the Chairman of the Board of Engineers for the design of the San Francisco-Oakland Bay Bridge.

The construction elements of the bridge were manufactured in Pittsburgh, Pennsylvania. From Pittsburgh they were shipped via the Panama Canal, along the west coast into the Bering Sea and up the Yukon and its tributary the Tanana River to the construction site in Nenana. They were stored near the river for the freeze-up in



the next winter. Falsework built on the timber piling driven into the riverbed provided temporary supports for the assembled steel trusses. It was followed by a race to finish construction before the start of the thawing of the frozen river. Construction was performed by the American Bridge Co., the country's foremost steel fabricating and construction firm. The firm built among others the world's longest arch, the Hell Gate Bridge in New York City. This firm also built the Empire State Building, the Verrazano Narrows Bridge, and the Louisiana Super Dome. According to its Internet site, American Bridge Co. lists the Tanana River Bridge among its greatest achievements.

Completion of the Tanana Bridge and the Alaska railroad was an event of great importance. Like the Panama Canal it was physical manifestation of American industrial might, that was expanding beyond its borders to dominate the world economy. President Warren Harding came to commemorate the railroad's completion in July 1923 and drove a golden spike at the bridge's northern end. It was President Harding's last major political act. He died in San Francisco two weeks later on August 2, 1923, on his way back to Washington. A sign marking the spot of the golden spike has been placed near the north end of the Mears Memorial Bridge. The spike is now in the Smithsonian Institution.

After 80 years of service, the bridge remains in very good condition. Professor Henry Petroski, Chairman of ASCE History and Heritage Committee, says that it might be nominated for a National Historic Civil Engineering Landmark. Somebody in the ASCE Alaska Section will need to start the nomination process.

Nenana is also well known for the "Ice Classic" which started in 1917 by railroad engineers. When the river

froze the engineers had to stop work. Speculation about when the ice would break led to wagering. To determine the contest winners the engineers came with device still in use today. It consists of a tall wooden tripod painted with black and white stripes. A wire is attached from the top of the tripod to a clock on shore. When melting ice causes the tripod to move 100 feet, the clock stops automatically. The tripod and clock are monitored very closely. Alaskans wager thousands of dollars yearly on the day and time of the break up of the Tanana River. Statistically the ice breakup occurs between 20th of April and 20th of May. This year the breakup of the river was noted on April 25th at 6:22 p.m. The 2003 Jackpot was \$301,000.00. Thanks to this game, this is one of the most carefully kept climate measurements in the north. It is used by scientists to determine the long term warming of the climate.

—Jan S. Plachta, USACOE

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SUSTAINABLE DEVELOPMENT

Sponsored By

ASCE Illinois Section Urban Planning & Development Group

When: Thursday, November 5, 2003

Registration and cocktails (cash bar) 5:30 PM

Dinner and Presentation: 6:30 PM – 9:00 PM

Where: Chandler's Chop House

401 N. Roselle Road

Schaumburg, IL 60194

847/ 490-7074

The Speaker for the evening will be Mr. Frank Beal, Executive Director of Chicago Metropolis 2020, who will discuss the Metropolis Plan.

Using sophisticated modeling techniques along with input from transportation experts, public opinion surveys and town meetings around the region, Chicago Metropolis 2020 has developed the Metropolis Plan. The Metropolis Plan suggests alternatives to the "business as usual" approach to growth and development which the models predict will increase average commute from 56 to 70 minutes per day per person and result in 500 square miles of open land lost to new development by the year 2030. The Plan advocates changes to zoning ordinances, redevelopment of neglected urban areas, investment in the region's mass transit systems and building more walkable communities. Come and hear about strategic ideas that can be implemented to significantly improve our region and lifestyle.

Space is limited, so please register early. The registration fee for this dinner and presentation is \$50 per person. Registrations need to be received by November 3, 2003. Please fill out the registration form below and mail with check payable to "ASCE-UP&DG".

For further information, contact Stan Walczynski at 815-748-0852 or swalczynski@greenassociates.com.

Sustainable Development Dinner Meeting – November 5, 2003

Name: _____

Company: _____

Address: _____

City/State/Zip: _____

Phone: _____ E-mail: _____

Mail Check and completed form to:

Green Associates, Inc.
444 East Hillcrest, Suite 330
DeKlab, Illinois 60115



**AMERICAN SOCIETY OF CIVIL ENGINEERS
ILLINOIS SECTION**

87th Annual Awards Dinner

WEDNESDAY, OCTOBER 15, 2003

at the

HILTON CHICAGO GRAND BALLROOM

720 South Michigan Avenue, Chicago, Illinois
5:00 P.M. Cocktails 6:30 P.M. Dinner

Please Reserve:

_____	Tables of ten at \$800.00 per table	\$ _____
_____	Dinner Tickets at \$80.00 each (\$50.00 Government Employees, \$25.00 Students)	\$ _____
	Tickets will be mailed or can be picked up at the door	
	We would like to be a Sponsor. Enclosed is (\$250 Suggested)	\$ _____
	TOTAL	\$ _____

Send to: Illinois Section ASCE
203 N. Wabash Ave., Suite 2010
Chicago, Illinois 60601-2418
Attn: Mrs. Barbara Pries

(Reservations need to be received no later than October 10, 2003)

Sponsors Only: Please print or type your company name below as you wish it to appear in the program. ASCE will furnish an easel for your company display board. Display boards should be brought to the hotel between 4:00 P.M and 5:00 P.M. on October 15, 2003. Please notify Mrs. Barbara Pries (312/263-1606) if your company will have a display board.

Name _____ Date _____

Company _____

Address _____

Self-parking is available at the Hilton Hotel via Wabash or Balbo Ave. Valet parking is available with the Doorman at standard rates.

Please notify Mrs. Barbara Pries if you would like a vegetarian dinner.

CALL FOR SPEAKERS AND EXHIBITORS

The 2004 Annual Conference of the

Illinois Association for Floodplain and Stormwater Management (IAFSM)
March 3 - 4, 2004, Holiday Inn Select, I-80 & Harlem Ave., Tinley Park, Illinois



The 2004 IAFSM Annual Conference will offer the year's best program on floodplain and stormwater management in Illinois. **The conference will provide an excellent training forum for Professional Engineers to earn required professional development hours** and an opportunity to meet and talk with other flood-

plain and stormwater professionals. Over 300 floodplain managers, engineers, and community officials are expected. Informative product, service, agency, and organization exhibits will be on display Wednesday, March 3. More information at <http://www.illinoisfloods.org>.

We are looking for speakers on floodplain and stormwater management topics such as:

Cooperating Technical Partners	Floodproofing/acquisition programs	NPDES / non-point source pollution
Digital mapping tools & products	Integrating floodplain management & watershed planning	Open space and greenways
Automated H&H	Information/education	State and federal permits
GIS tools	Web sites for elected officials and floodplain managers	Stormwater/flood modeling
User friendly map viewers	Prof. engr, continuing ed. req.	Stormwater regulations
Disaster Mitigation Act of 2000	Legal issues	Integrating stormwater quantity & quality management
Flood hazard mitigation	Map modernization	Innovative stormwater design
Floodplain management regulations	Natural hazards mitigation plans	Stream maintenance
Implementing ordinances	No Adverse Impact	Urban waterfronts
Incentives for compliance		Wetlands
Floodplain construction techniques		

Send a one-page abstract or exhibit summary with the following information:

Name, Affiliation, Address, Telephone number, FAX, email, Audio-visual/other support needs

Please mail, email or fax your information by October 31, 2003, to: Sally McConkey, Conference Chair, Illinois State Water Survey, 2204 Griffith Drive, Champaign, IL 61820, E-mail: sally@uiuc.edu Fax: 217/333-2304, Notification of acceptance will be by Nov. 30, 2004.

2004 National Engineers Week

Future City Competition

The 2004 Future City Competition is once again being held in over 30 cities across the country. This annual competition is held for 7th and 8th grade students to foster interest in engineering, math and science through hands on computer modeling, essay writing, oral presentation and model building of the student's "Cities of the Future". Schools from Chicago and the suburbs annually participate in this event.

VOLUNTEERS are needed to help plan the competition, be an engineer mentor to a school or be a judge for the competition in January. Planners are needed to work with the schools, help sign up volunteers and help with mailings and press releases. Engineer mentors will work with the students in an advisory role. They will visit their school 6-10 times throughout the competition, answer questions and guide the students. Judges are needed for two Saturdays in January to score the student's work. Information sessions will be held to assist the engineer mentors and judges in their responsibilities and to answer questions.

Please call Don Wittmer at (312) 930-9119, email dwwittmer@hntb.com or Aruch Poonsapaya at aruchp@sbcglobal.net to sign up or to get more information. This is a great opportunity to influence and encourage the engineers of the future. We hope you can help!

**WANTED:
 Engineer
 Mentors
 & Judges**

You will build a better world.



Whether it's building an off-ramp, a home for a family you'll never meet, or a better life for you and your family, you take pride in everything you do. As a Naval Reserve construction battalion member, you will have more reasons to feel proud. For your part-time commitment, we offer you meaningful projects, international travel, benefits and an officer commission. For more details, call or visit our website.



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Illinois Section News & Secretary Report

S E P T E M B E R 2 0 0 3

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 and can be sent to the Section office at the address shown on Page 2.

Treasurer's Report

The August General Ledger Trial Balance, Income Statement and Aged Receivables were discussed and approved. The aged receivables over 90 days are to be resolved with the help of Director Harbert and Communication Committee Chair Gorski.

Group Reports

Each Section Group reported on their past month's activities and future group meetings as noted in the Section Activities portion of the newsletter. Highlights of the Group's activities are as follows:

Geotechnical Group's September dinner meeting will be on "Unique Applications of Jet Grouting in the Midwest" and the speaker is Kyle Camper of Hayward Baker, Inc. In October there will be Deep Foundation Institute Conference on "Micropiles" at Drake Hotel, Chicago and Professor Edwin C. Rossow Symposium on "Structural Engineering: Future Trends" at Northwestern University. The November dinner meeting will be on "Miller Park Crane Collapse".

Structural Group's September dinner meeting will be on "Chicago Avenue Pumping Station Roof Deck Replacement" and the speaker is Barry Kravitz of HDR Engineering Inc.

Environmental Engineering & Water Resources Group's meeting was held in August and meetings will be held in September and October at Christopher B. Burke Engineering, Ltd. The group will have Fall Seminars and course on NPDES Phase II in November Dinner Seminar, HEC-RAS in December and Risk Based Corrective Action in early December.

Urban Planning & Development Group's meeting was held in July and the discussion topics were MWRDGC Permitting Seminar held in June and possibilities for a Fall Seminar. The MWRDGC Sewer Permitting Seminar was on June 19th at the Carlisle Banquet Facility in Lombard and there were 195 attendees. The seminar was co-sponsored by the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) and Illinois Section ASCE Urban Planning & Development Group. The group will meet in September and discuss the upcoming "Sustainability Dinner Meeting" in November and incoming Group officers for 2004.

Transportation Group's August meeting was held at Chicago Athletic Association and there

were 80 attendees. The topic was "Chicago Region Environment and Transportation Efficiency Project (CREATE)". The September Group meeting will be at URS Corporation. The speaker for the September 19th luncheon program will be Timothy Martin, Secretary of the Illinois Department of Transportation. The upcoming luncheon programs speakers will be Luann Hamilton, Director of Transportation Planning (CDOT) and Jack Hartman, Executive Director, Illinois State Toll Highway Authority.

Younger Member Group's September monthly meeting will be held at Alfred Benesch & Company and the topic will be YMG Planning.

Committee Reports

Communications Committee Chair Gorski report was outlining the newsletter and website. The UP&D Group will provide the feature article and the secondary article will feature Membership. Since a membership article is not available, a secondary article submitted by a member will be used instead. All groups should email their monthly activity reports to Chair Gorski. The October Newsletter deadline is September 10th. Director Harbert will be posting all archived Newsletters to the website in the near future.

Old Business

Awards Nomination / Approval of Nominees: President-Zimmermann and President-Elect Wittmer discussed the selection of nominees for the Awards by the nomination committee. The board unanimously approved the nominees for the awards to be presented at the Illinois Section ASCE Awards Dinner in October.

President-Zimmermann and President-Elect Wittmer talked briefly about the task of developing an ASCE Illinois infrastructure report card and ASCE Advisory Council. ASCE National released a revised Report Card at the end of last week. It has received good press coverage on the web.

President-Elect Wittmer talked about the 2004 Management Conference and will get more details from ASCE National. The dates will be February 13-15, 2004.

President-Elect Wittmer provided an update regarding the completion of the 150th Anniversary

Book. The committee members have reviewed the draft copy and the book will hopefully be ready in approximately a month and a half. The draft copy was shown at the meeting.

New Business

Past-President Smith presented a list of the new incoming Directors to 2005 and the Treasurer of Illinois Section ASCE and the board unanimously approved the slate of candidates. The new Directors are Kay Whitlock, Glenn Clayton and Wade Moore, and the Treasurer is Joe Johnson.

Annual Awards Dinner Committee Chair Dan Burke talked about the Illinois Section ASCE 87th Annual Awards Dinner on Wednesday, October 15, 2003 at the Hilton Chicago Grand Ballroom. The arrangements are in progress and the board discussed ideas to make the event more successful.

Past-President Smith stated that the Final Activity Report for the State Public Affairs Grant (SPAG) was sent to the ASCE National. He also talked about the District 8 Council Meeting which President-Zimmermann will be attending.

UP&D Group Chair Clayton presented to President-Zimmermann and the 2003 Illinois Section Board a check for \$3,000 in recognition of the assistance provided for the successful Seminars with the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC).

The board appreciated and thanked Mr. & Mrs. John Zimmermann for hosting the summer picnic.

—By Abdul M. Khan, Secretary



HEC-RAS 3.1 Basic and Advanced Training

EE&WR will host a 3-day basic HEC-RAS training seminar followed by a 1-day advanced seminar.

Tentative Dates:

Basic: December 9-11, 2003

Advanced: December 12, 2003

Location: TBA

Cost: Basic: TBA Advanced: TBA

For more information, please contact Patrick Lach at (312) 346-5000 or lachpm@cdm.com.

Section Activities

Geotechnical Group

No October Meeting is scheduled

For information regarding the Geotechnical Group please contact Group Chair Dhooli Raj, Case Foundation, 1325 W Lake Street, Roselle, IL 60172, (630) 529-2911, draj@casefoundation.com

Environmental Engineering & Water Resources Group

Monthly Group Meeting

Date: Tuesday, October 14, 2003

Time: 5:30 p.m.

Place: Christopher B. Burke Engineering, Ltd.
9575 West Higgins Road
Rosemont, Illinois

Fall Seminars and Course:

NPDES Phase II – November Dinner Seminar

HEC-RAS – December 9 – 12, 2003

Risk Based Corrective Action – Early December

For information regarding the EE&WR Group please contact Group Chair Andrew Deitchman, P.E., Engineering Enterprises, Inc., 52 Wheeler Road, Sugar Grove, IL 60554, 630-466-9350, ADeitchman@eeiweb.com

Minority Affairs Group

The Minority Affairs Committee meets the first Tuesday of each month. We are currently planning a workshop for minority-owned business enterprises for January to kick off a series of workshops. We are also planning on partnering with a local high school to provide mentoring/ tutoring/ and other support to minority high school students. The group is open to all engineers and we invite your participation at the meetings and events.

Contact Tim Scully Granzeier for information on this program.

Please contact us if you are interested in participating in committee activities.

Next Monthly Group Meeting

Date: Tuesday, October 7, 2003

Time: 5:30 p.m.

Place: ARCADIS
35 East Wacker Drive
Suite 1000
Chicago, IL 60601

Structural Group

There is no October monthly group meeting, for information regarding the Structural Group please contact Group Chair Michael

O'Connor, P.E., Alfred Benesch & Company, 205 N. Michigan Ave., Suite 2400, Chicago, IL 60601, (312) 565-0450, moconnor@benesch.com

Transportation Group

October Executive Committee Meeting

Date: Tuesday, October 7, 2003

Time: 5:30 p.m.

Location: CTE
303 East Wacker Drive, Suite 600
Chicago, Illinois

For information regarding the Transportation Group please contact Group Chair Peter Johnston, P.E., Graef Anhalt Schloemer & Assoc, 8501 W Higgins Rd., Suite 280, Chicago, IL 60631, (773) 399-0112, Peter.Johnston@GASAI.com

Urban Planning & Development Group

The Illinois Section's Urban Planning and Development Group meets on the third Thursday of each month for a breakfast meeting. Meetings are held at 7:30am at Denny's Restaurant in Oakbrook Terrace on 22nd Street just west of Midwest Road.

The Group is sponsoring a dinner presentation Sustainable Development on November 5 2003. See the registration form in this newsletter. In June the group co-sponsored a seminar on MWRD Permitting. The seminar was sold out and well received. Preparations are underway for a Spring 2004 seminar/workshop. Please join us for some exciting endeavors.

Questions about the group and its activities can be directed to Glenn Clayton at 630/ 357-9327 or icpamd@aol.com or Stan Walczynski at 815/ 748-0852 or swalczynski@greenassociates.com.

Younger Member Group

The YMG will not have a meeting in October. We encourage everyone to join us at the Annual Dinner on October 15th. We'll see you at our November Dinner Meeting.

YMG is asking all Chicagoland companies to inform their younger employees to get more involved with the YMG. Most companies are not represented and we are collecting names and emails of your younger engineers. Please contact Mark Bendok at (312) 819-9776 or mbendok@benesch.com to be added to the YMG e-mail distribution list.

President's Notes *(continued from page 2)*

Chair: The Awards chair has an incredible amount of work to do in August and September in order to be prepared for the Annual Dinner. Since Darren is an employee of Christopher B. Burke Engineering, Ltd., I didn't think the job would be overly taxing. CBBEL has always been very generous to the Section's Awards Committee with time and resources. Unfortunately for Darren, he had to oversee a revamping of the scoring system the committee uses to judge the merits of each project. This burned up many hours in January and February. Darren then went out and received more nominations for this year's Awards than in recent memory. He even got three journalism award nominations. All this for a guy who spent three weeks in Italy during September while getting married. You'll see much of Darren at the Annual Dinner. Tell him job well done.

Finally, the membership will see good things continue for the Section under the leadership of Don Wittmer, Thomas Burke and Abdul Khan. Abdul is a master communicator who will run an efficient ship. Abdul designed the current

Illinois Section logo 3 years ago. Efficiency and creativity will make Abdul a great leader. Thomas Burke has been the finest Treasurer the Section has ever seen. Never have we been so fiscally sound. Good things are bound to continue when he is president.

'Dandy' Don Wittmer will take the reins of president and no doubt do marvelous things. Everything that Don is involved in succeeds. Don has helped make the Future Cities competition one of the cornerstones of Engineer's week. It was his idea to create the 150th Anniversary Book. He works tirelessly for ASCE and the Western Society of Engineers. It is a rare opportunity to have such a sound steward of the engineering profession serve as Illinois Section President. Please make an effort to help him in the coming year.

In closing, it was an honor to serve as Section president for the last year. It was an exciting opportunity to give something back to the profession. I look forward to becoming a 'President's Notes' reader again.

ASCE Illinois Section News

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Sustainable Development *(continued from page 1)*

a proactive approach by creating Chicago Metropolis 2020, a nonprofit organization whose mission is "to advocate for better regional planning and smart investments to promote the region's long term health." They predict the Chicago region will grow by 1.6 million people, 800,000 jobs and a million new cars by the year 2030. Their contention is that if the region continues to grow and develop according to present standards, it will be considerably more congested and polluted, with less economic opportunity for more of the region's residents.

Using sophisticated modeling techniques along with input from land use and transportation experts, as well as public opinion surveys and town meetings around the region, Chicago Metropolis 2020 has developed The Metropolis Plan. The Metropolis Plan offers alternatives to the "business as usual" approach, which their models predict will increase the average commute from 56 to 70 minutes per day per person and result in 500 square miles of open land lost to new development by the year 2030. They point to the "Hillside Strangler" project as a case in point. After \$140 Million was spent to ease one of the nation's most congested highways, the average commute time from the suburbs to the Loop via the Eisenhower is exactly what it was before. The Plan advocates changes in local zoning ordinances, redevelopment of neglected urban areas, investment in the region's mass transit system, building more walkable communities and other changes they say will result in area residents spending 155 fewer hours a year in traffic, 3,000,000 fewer auto miles driven during rush hour, 300 square miles of open space saved from development, 52 fewer tons of carbon monoxide emitted during rush hour, etc. Obviously civil engineers will play a huge role if the vision outlined in The Metropolis Plan is to become a reality.

If you'd like to learn more about The Metropolis Plan, please join The Urban Planning & Development Group as we host a dinner meeting the evening of November 5, 2003 at Chandler's Chop House in Schaumburg, Illinois. The speaker will be Mr. Frank Beal, Executive Director of Chicago Metropolis 2020. A registration form is included in this month's *ASCE Illinois Section News*.

Calendar of Events

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| Oct. 1 | Minority Affairs Committee Meeting |
| Oct. 1-2 | DFI Conference on Micropiles, Drake Hotel, Chicago, Illinois |
| Oct. 4 | Rosow Symposium, Northwestern University, Evanston, Illinois |
| Oct. 6 | ASCE Illinois Section Board Meeting |
| Oct. 7 | IL-ASCE Transportation Group Executive Committee Meeting |
| Oct. 14 | IL-ASCE EEWL Meeting |
| Oct. 15 | IL-ASCE 87th Annual Awards Dinner at the Chicago Hilton and Towers.
Contact Barb Pries at Barb@isasce.org or 312 263 1606 |
| Oct. 16 | The Urban Planning and Development Group Meeting |

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