ILLINOIS SECTION

ASCE NEWSLETTER

Vol. 37 No. 4 | American Society of Civil Engineers | February 1996

IN THIS ISSUE

Chicago's New Lakeshore
Page 1, 2, 3

President's Notes
Page 3

Engineers Week Luncheon
Page 4

P.E. Exam Review Course
Page 4

National Design Competition
Page 5, 6

Section Hosts Conference
Page 7

Section Activities
Page 7, 8

ILLINOIS SECTION NEWSLETTER

Mailed to all ASCE-IS dues-paying members

American Society of Civil Engineers
Illinois Section — Zone III — District 8

Editor—M. Basar Civelek
Gandhi and Associates, Inc.
6035 N. Northwest Hwy., Chicago, IL 60631
(312) 774-5910 FAX: (312) 774-3815

Assistant Editor—Janice Schultz
5029 N. Major, Chicago, IL 60630
Phone and FAX: (813) 726-2364

News Coordinator—Bob Camillone
Material & Guideway Systems Company
14409 Maycliff Dr., Orland Park, IL 60462
Phone: (708) 349-2790

Pres. John Carrato . . . . . (312) 565-0450
Pres.-Elect Allen Staron . . . . . (312) 902-7100
Sec. Richard Walther . . . . . (708) 272-7400
Treas. Christopher Burke . . . . (708) 823-0500

Send change of address notices to the Secretary, Illinois Section ASCE, 203 N. Wabash, Room 1000, Chicago, IL 60601; or call (312) 263-1606, FAX (312) 372-5673.

Submittal deadline for the March Newsletter is Feb. 6, 1996

Chicago's Lakeshore for the Next Century

Inspired by Daniel Burnham's vision of creating continuous parkland on Chicago's lakefront, the city has launched an historic effort to create a unified and pedestrian-friendly Museum Campus. This project will link three of Chicago's great museums with nearly 10 acres of new greenery, walkways and bike paths along the lakefront by relocating the northbound lanes of Lake Shore Drive to the west of Soldier Field and the Field Museum. The project extends from Balbo Drive to 23rd Street. Construction of the $90 million Lake Shore Drive Improvement Project began in the fall of 1995, under the direction of the Chicago Department of Transportation (CDOT). The project is being planned and designed by a team led by Teng & Associates, Inc., as prime consultants.

The goals of the project are to:

- make the project area a world-class portion of the lakefront;
- create a unified, pedestrian-oriented Museum Campus;
- improve access to the lakefront from near south neighborhoods; and
- beautify and strengthen the parkway characteristics of Lake Shore Drive.

Project Background

The idea of relocating the northbound lanes of Lake Shore Drive to the west of Soldier Field and the Field Museum has been the subject of various plans for generations. The project was revived in 1990 in response to the Metropolitan Pier and Exposition Authority's plans to expand McCormick Place. Funding for the $90 million Lake Shore Drive improvements was authorized by the Illinois General Assembly as part of the McCormick Place expansion project.

Process

Working together with CDOT, Teng's team commenced the planning and public involvement process. Since the project area is located within the boundaries governed by the Lake Michigan and Chicago Lakefront Protection Ordinance, approval of the project by the Chicago Plan Commission was required.

As marked route U.S. 41, Lake Shore Drive falls under the jurisdiction of the Illinois Department of Transportation (IDOT), but is maintained by CDOT. A study was conducted in accordance with federal environmental regulations, even though federal funding was not involved.

As an IDOT jurisdiction roadway, geometric modifications to Lake Shore Drive required a permit from IDOT. The permit proposal was prepared in accordance with the format of a State Improvement Report.

Improvement alternates considered during design development included:

- No Relocation Alternate — Maintains existing northbound and southbound Lake Shore Drive roadways with a new Roosevelt Road extension to intersect Lake Shore Drive.
- Grade Separated Relocated Alternate — Relocates northbound Lake Shore Drive lanes to west side of Field Museum and Soldier Field by depressing grade of Lake Shore Drive to allow for complete grade separation of Lake Shore

(Continued on Page 2)

Chicago's New Lakeshore for the Next Century

(Continued from Page 1)

Drive and cross streets. Includes Roosevelt Road extension.

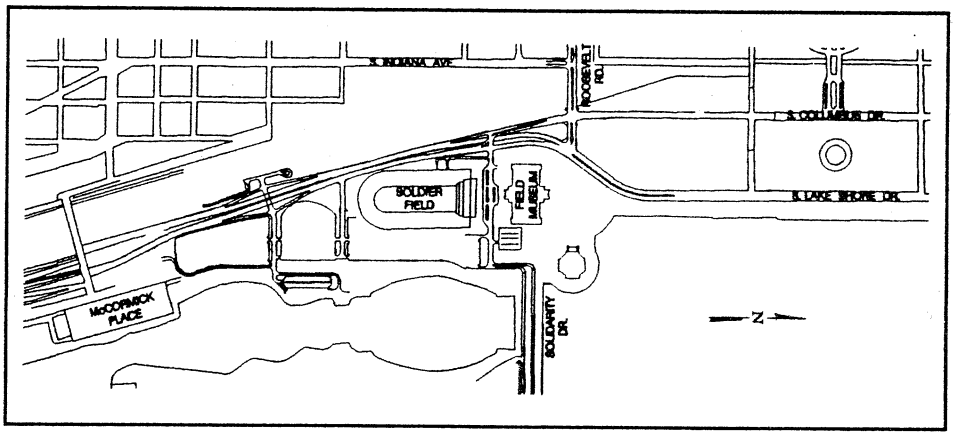
- At-Grade Alternate — Relocates northbound Lake Shore Drive as described above, with at-grade intersections with cross streets. Includes Roosevelt Road extension.
- Modified At-Grade Alternate — Same as At-Grade Alternate, with the exception that southbound Lake Shore Drive is grade separated to cross under McFetridge Drive, reducing congestion and number of lanes required at this location and providing opportunities for landscaping and urban design treatment.

Due to the scale and complexity of the project, there was a great diversity of civic, neighborhood and public agency groups that did not share a common vision for the project at the early stages of planning. To address this diversity, an inclusive public process was developed to create aq common visual language and understanding.

In addition to conducting public meetings and community meetings, a 2½-day Urban Design Workshop was conducted. Participants in the workshop included a diverse group of 45 stakeholders in the project. These stakeholders included affected neighborhood, civic and environmental groups, museum and park representatives, as well as city and IDOT representatives and members of the design team.

The workshop participants were presented with a series of project goals and constraints. The first day of the workshop was devoted to taking an awareness walk of the project site to develop a common familiarity with the project environment. The stakeholders then worked in groups to develop improvement schemes which reached a consensus within the individual group. Each group then presented their schemes to the entire workshop, and the various ideas were debated and negotiated to reach an overall consensus on a scheme that satisfied the overall project goals and constraints.

After much debate, the stakeholders reached consensus on a version of the Modified At-Grade Alternate. The design team then



further developed this scheme, and it was presented and unanimously approved at the Nov. 17, 1994 Chicago Plan Commission Hearing.

Following Plan Commission approval, detailed design was initiated.

Preferred Alternate Components

The project area is generally bounded on the north by Balbo Drive, on the west by the Illinois Central Railroad right-of-way, on the south by East 23rd Street, and on the east by Lake Michigan. The project area does not include Solidarity Drive or Northerly Island.

The proposal would move all northbound traffic to the west side of Soldier Field and the Field Museum. The new roadway would generally be constructed at the existing grade with two exceptions: 1) At McFetridge Drive, the southbound lanes would descend to the grade of the railroad, which is 17 feet below grade of the Field Museum, thereby allowing a free-flow left turn from northbound Lake Shore Drive to the Columbus Drive extension; and 2) Both directions of Lake Shore Drive would be raised over 18th Street to address concerns raised by the Illinois Department of Transportation, to increase drivers' views to the lake and downtown, and to improve access to Soldier Field and harbor parking lots and the boat ramp. Roosevelt Road will be extended east from Indiana Avenue to intersect with Lake Shore Drive.

Landscaping: The raised median and roadway edges would be landscaped along virtually the entire length of the project. The exception is the "pinch point" at the southwest corner of Soldier Field, where, because of insufficient room between the stadium and the railroad right-of-way, the planting will be restricted to a narrow band screening the METRA shop buildings from Lake Shore Drive. The screening will be achieved by the construction of a tiered decorative wall that will incorporate planting.

The Museum Campus: One of the most important park improvements that would result from this project would be the creation of a museum campus. By eliminating the northbound lanes that currently separate the Field Museum from the Shedd Aquarium, the Adler Planetarium and the lakefront, a central landscaped area would be created to connect the three museums in a pedestrian-oriented campus setting.

Pedestrian and Bike Paths: Pedestrian and bike access to the area and lakefront would be greatly improved. A new broad pedestrian concourse/underpass at Roosevelt Road would culminate in the new pedestrian-oriented forecourt on the north side of the Field Museum. The concourse and forecourt would provide safe, unobstructed access from Grant Park for both pedestrians and bicyclists. Similar concourses will be provided under Waldron Drive to connect Soldier Field to the south parking lots, and under Lake Shore Drive at 17th Street to connect to the 18th Street pedestrian bridge over the METRA railroad tracks to the west and to the lakefront along a landscaped walkway. Bicycle and pedestrian paths would be designed to provide necessary emergency vehicle access throughout the project area.

(Continued on Page 3)

PRESIDENT'S NOTES

In my first President's Notes, I promised that the results of the membership survey, conducted this past summer by our Finance Committee, would be discussed in future issues of the newsletter. This is the first installment of that discussion. As you may recall, the survey asked members to rate 26 different ideas of how the Illinois Section could better serve the membership. The survey also solicited comments and suggestions.

The following seven ideas (listed in order) rated the highest:

- Establish lines of communication with local high school counselors to provide resource material and assistance on engineering as a career. (It has been suggested to us by other ASCE sections that it may be more effective to work with math and science teachers.)
- Participate in career day activities.
- Sponsor project/office visits for high school classes.
- Encourage participation/sponsorship in science fair competitions.
- Sponsor student members attendance at Section/Technical Group events.
- Establish an apprenticeship/co-op/summer jobs program with local universities/colleges.
- Create a speakers bureau to address schools, public officials, communities, etc.

The following four ideas (listed in order) elicited a negative response:

- Sponsor scholarships for members for continuing education. Funds would be appropriated for seminar fees, books, tuition, etc.
- Establish a monetary annual award for local educators.
- Increase financial support (honorariums) to attract guest speakers to Section functions.
- Develop or co-sponsor a Political Action Committee. (It should be noted that establishment of a "Regulatory Alert" program for state and local issues was looked upon favorably.)

A couple of themes stand out in the responses to the survey. The first is that most members agree that it is very important for the Illinois Section to educate students about civil engineering. The second is that a premium should be placed on reaching our goals through voluntary efforts

and not by throwing money at them. The following comment from a respondent echoes that idea:

"Most of the items relate to accomplishing an end by spending money. Many of these can be attained creatively with a low cost. It would mean members devoting effort and time. Could stretch members' abilities beyond the technical. This would be good for ASCE."

Many of our members devote a significant amount of time and effort to accomplishing our goals, and we are constantly trying to get more members involved. Unfortunately, some of these efforts do require money, and the Illinois Section will continue to fund these efforts in a judicious manner. I am proud to say that many of our Technical Groups have been very active in educating students about civil engineering. Our new committee structure will help the Board provide additional resources and help coordinate the efforts of our Technical Groups and other engineering societies. If you are able to commit time and want to get involved with educating students, we have several avenues for you to take. You can contact the Chair of the Student Chapter Committee, Student Outreach Committee, or one of the Technical Groups. Their phone numbers were given on a card included with the last newsletter. Or you can call Barb Pries at (312) 263-1606. Next month I will address other comments and suggestions made by survey respondents.

John Carrato

Chicago's New Lakeshore for the Next Century

(Continued from Page 2)

Schedule

Construction of the project has been divided into multiple construction bid packages to expedite project completion and provide the maximum opportunity for target market participation.

To allow construction of relocated Lake Shore Drive, southbound traffic will be diverted onto existing northbound Lake Shore Drive. Access will be maintained to the three museums, Soldier Field, McCormick Place, Meigs Field and Burnham Harbor at all times during construction.

Construction commenced in 1995 on the initial bid packages. These packages include an Advance Work contract that prepares the existing northbound Lake Shore Drive to accommodate two-way traffic, a contract to construct the new main drain sewer, and a contract to rehabilitate Columbus Drive.

Construction of the Roosevelt Road bridge over the METRA railroad tracks will commence in February, 1996. In addition, the major relocation work on Lake Shore Drive will commence in March, 1996, with completion scheduled for the end of the year.

Park work, landscaping, urban design treatments and crossroad construction will take place in 1997.

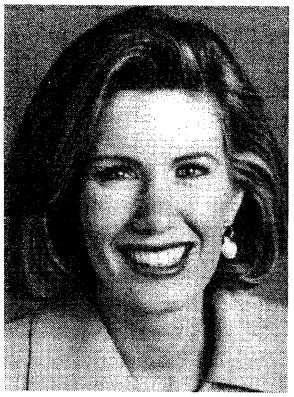
Mr. Robert Stern of Teng, project manager of the design team, presented the project at the Jan. 17, 1996 meeting of the Associate Member Forum.

Speakers Sought for Youth Motivation

For the past few years, ASCE has been involved with the Youth Motivation Program. This is where speakers go into Chicago high schools and talk to the students about themselves, careers, the importance of education, etc. As always, the need for speakers is great. If you are willing to spend a morning talking to the students, call Bob Giurato of Meridian Engineers at (312) 424-5403. He will work to get you into the school of your choice.

WFLD-TV's Kavanagh to Emcee Engineers Week Luncheon

The Engineers Week Committee of Chicago will host a luncheon banquet on Feb. 23rd to observe National Engineers Week. The luncheon will begin at 11:30 a.m. at the Hyatt-Regency Hotel, 151 E. Wacker Dr., Chicago. The keynote speaker will be Nobel laureate Dr. Leon Lederman, Pritzker Professor of Science at the Illinois Institute of Technology and Director Emeritus of the Fermi National Accelerator Laboratory. His topic is "Leadership and Creativity in Science and Technology."



Awards to local area science students will be presented during the luncheon, which will be emceed by Anne Kavanagh, reporter and fill-in news anchor for WFLD-TV Fox 32 News. This marks the fourth straight year in which a prominent TV personality has emceed this prestigious engineering event.

Tickets are $25 and may be obtained by calling David Powell at 1-800-843-5410.

National Engineers Week, February 18-24, 1996, is an annual event to increase public awareness and appreciation of engineers and their work. Bob Johnson, spokesman for the Chicago program, states, "Engineering is sometimes referred to as the STEALTH PROFESSION, as its practitioners tend to keep a low profile or are in fact invisible to the public. Engineers Week is our time to bring a public awareness as to the significant accomplishments of the engineering profession." In Chicago, the program is sponsored by more than 20 local societies, including ASCE. The Chicago Engineers Week celebration is one of the largest programs in the country. The motto for the celebration: *Engineers Make It Work.*

THE WHITE HOUSE
WASHINGTON

December 12, 1995

Warm greetings to everyone observing National Engineers Week, 1996.

From home appliances to aircraft to highways to the printer that produced this message, virtually every object in our lives owes its existence to the careful work of an engineer. Advancements in engineering over the past century have given us extraordinary capabilities in travel, communication, and health care. Engineers truly turn ideas into reality, and our continued commitment to this fascinating field of study can ensure America's long-term success and leadership in the world.

This week offers a special chance to learn about the miracles of engineering in our everyday lives and to discover new opportunities for personal achievement in the engineering field. I especially encourage our young people to take part in the different demonstrations, contests, and projects offered in conjunction with National Engineers Week. By understanding more about our universe and the principles that govern it, we can build a bright future, filled with exciting innovations and promising new opportunities for all.

I join all Americans in thanking our engineers for their remarkable achievements. Best wishes for a most successful week.

Bill Clinton

Illinois Section Plans Videotape Review Course for P.E. Exam

The next P.E. examination is being offered April 19, 1996. With this deadline in mind, the Associate Member Forum is offering an eight-week Civil Engineering Exam Review Videotape Program. The program is a product of ASCE National's Continuing Education Services and consists of 23 hours of videotape filmed on location of an ASCE P.E. review course.

Participants of the AMF review program will meet every Wednesday (downtown Chicago location) from 5:30 p.m. to about 9 p.m. A suburban location will added if the response is great enough. The program will begin Feb. 21, 1996 and will end April 10, 1996. The following major civil engineering subject areas will be covered: exam overview, hydraulics & hydrology, structural analysis & design, sanitary engineering, soils, transportation, surveying and economics.

Each subject is presented by an engineer experienced in the subject area. Included in the program is a comprehensive reference manual with example problems. Volunteers from the Illinois Section may be available during the videotape review to answer specific questions.

The cost of the eight-week session is $175 and includes the reference manual, dinner and soft drinks. If you are interested, fax Barry Erlandson at (708) 475-6053. Or call him at (708) 491-1000 for more details. Registration deadline is Feb. 17, 1996.

Judges Needed for Bridge Competition

The Chicago area Regional Bridge Building Contest will be held at IIT on March 19, 1996. Local civil engineers are needed to serve as judges. For further information on the competition or to volunteer to be a judge, please call George E. Krupa at (312) 648-9900.

National Environmental Design Competition

Each year, a national competition in environmental design is held among universities. The following article summarizes participation by the University of Illinois at Chicago (UIC) for 1995 and wishes success to all 1996 participants.

The Fifth Annual Environmental Design Competition was held in Las Cruces, New Mexico, during the week of April 17-21, 1995. This contest was sponsored by Waste-Management Education and Research Consortium and the Department of Energy. The UIC group was the only team representing Illinois at this intercollegiate event. Team members included students from disciplines such as civil engineering, geology and chemistry. Other resources included chemical, electrical and industrial engineering.

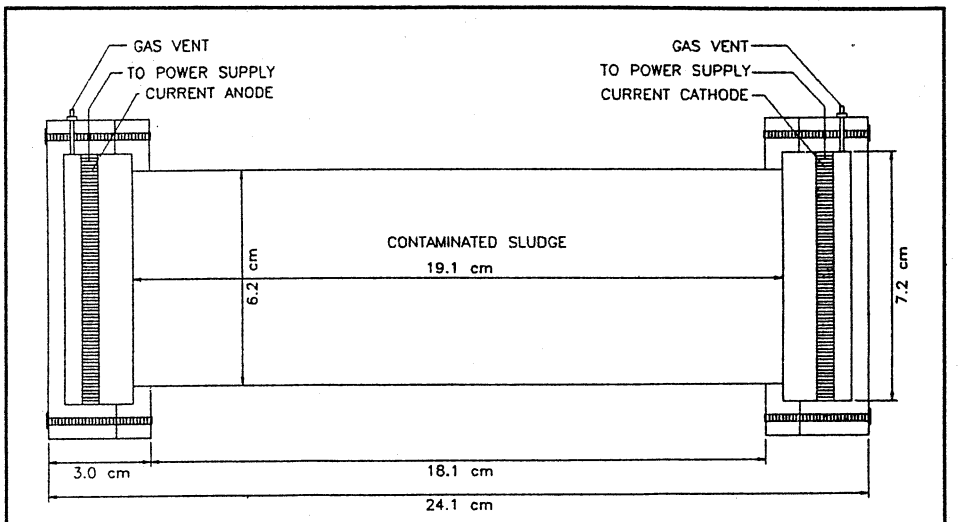


Figure 1: Cell Apparatus

The task we were requested to perform involved the remediation of hazardous waste sludge. This is a problem that has evolved over a period of 45 years at a defense-related manufacturing and processing plant. The sludge was 35% solids and had extremely high levels of metals. In the original form, the cadmium and nickel concentrations in the sludge did not meet the Land Disposal Restrictions (LDRs) for landfill disposal. Each team had to design a remediation process to lower the contaminant concentrations to suitable levels. The goal was to complete this task without creating an excessive stream of waste product. The only restrictions on the selected process was that it could not be cementation/solidification and one kilogram of sludge must be remediated within 48 hours.

The process that was researched and tested by the UIC team consisted of electroplating and acid washing. First, the sludge was placed in a cell with a capacity of one kilogram, and then a voltage of 3mV was applied across the specimen for approximately 20 hours. Three discs of duriron on one side acted as the anode and a disk of sheet metal on the other side acted as the cathode. The sheet metal had a negative charge induced on it so that it could attract the metal ions. The metals were removed from the solids and adhered onto the surface of the sheet metal. A schematic of the bench scale electroplating cell is shown in Figure 1.

The sludge was then transferred to a tumbler, and hydrochloric acid was added in a ratio of 2:1 acid to sludge. The mixture tumbled for approximately 12 hours. This acid washing process reduced the volatiles and semi-volatiles to below detection limits. The results concluded that the sludge met the LDRs for all contaminants except for cadmium. All the metal contaminant concentrations (with the exception of cadmium, chromium and lead in the liquid phase) were brought down to non-hazardous levels. A schematic of the bench scale acid washing unit is shown in Figure 2. Further testing is needed to determine the efficiency of the process. This process can be implemented for sites other than that previously described. Another important issue to address is waste minimization. The remaining metals (chromium, cadmium and lead) in the effluent can be precipitated out and the liquid can then be neutralized

(Continued on Page 6)

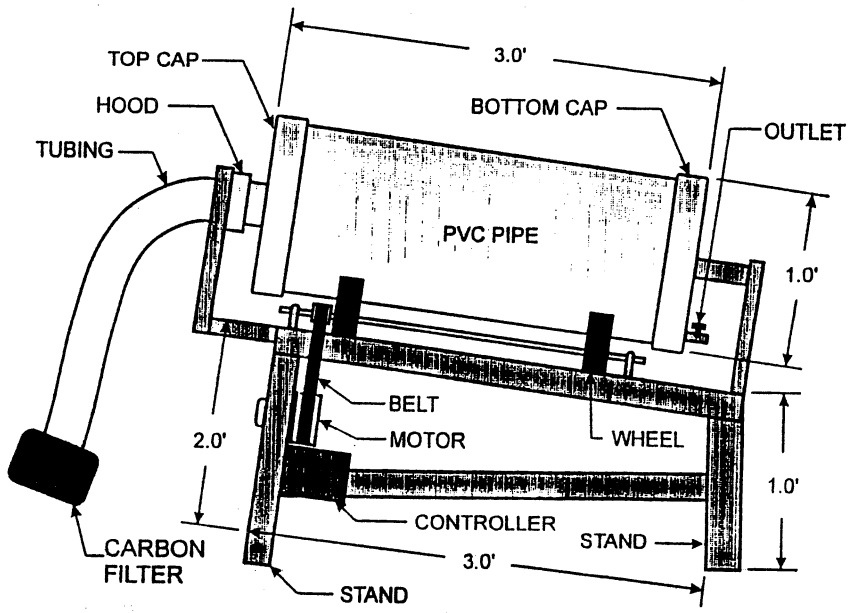


Figure 2: Schematic of washing unit

Technical Group Conferences to be Held in Chicago

The Water Resources Planning and Management (WRPM) Technical Group will hold its 25th annual meeting and specialty conference in Chicago. The conference will take place June 6-11, 1996 at the Hyatt Regency Hotel.

Joining the WRPM Silver Anniversary celebration will be the Environmental Engineering Group, which will hold its annual meeting concurrently with WRPM. The Illinois Section Environmental Engineering & Water Resources Group (EE&WR) is the local sponsor of both conferences. Currently, a conference steering committee is being formed and we are seeking Illinois Section ASCE members to assist with conference arrangements. There is a wide variety of work to be done, including conference publicity, registration and arrivals coordination, organizing technical tours, guest speaker arrangements and technical program development. Anyone interested in lending support to either the WRPM conference or the EE conference, please contact: Water Resources — James Lindell, Conference Chair, (312) 831-3196; Environmental Engineering — Cecil Lue-Hing, Conference Chair, (312) 751-5190.

National Environmental Design Competition

(Continued from Page 5)

with the addition of lime and disposed of down the sewer. The solids would need to be landfilled, but the metal discs can be melted down and formed into low-grade reinforcing bars for remote concrete structures. Therefore, only 35% of the waste would be landfilled after the remediation is complete.

A report was submitted three weeks prior to the competition, which summarized the results of the study and provided recommendations of the remediation process. The report also discussed legal and regulatory implications, provided an economic analysis, and presented plans for business development, health and safety, and public relations. The UIC team had to prepare for one oral and two poster presentations. The basis for the presentations was to thoroughly explain the process to the judges and to answer any questions they had.

This annual project provides students with an opportunity to work on a real engineering design problem and to implement a real solution.

The team would like to thank the Illinois Section Board, and the Geotechnical, Structural and Environmental Engineering & Water Resources Groups for their support. We would also like to thank Christopher Burke Engineering; Consoer Townsend Envirodyne; Craftsman Plating & Tinning; Geraghty & Miller, Inc.; HNTB; P.S. Environmental, Inc.; TY Lin-Bascor; Wiss, Janney, Elstner Assoc.; and HDR for their support.

Susan Gembara
University of Illinois at Chicago

M.S. in operations and technology management

A weekend degree program for managers in technology-intensive organizations

This graduate management program is designed for experienced working professionals who require management skills and an integrated business perspective in order to advance their careers.

In 18 months of Saturday classes, you will learn how to:

- initiate change and innovation
- identify and solve problems
- effectively use technology
- lead teams of highly trained professionals
- manage complex situations
- improve operational effectiveness
- manage strategically

The OTM program is offered at the Great Lakes Naval Training Center in Lake County, Illinois.

Courses offered include:

- *Information Technology in Business*
- *Probability and Statistics for Business Decisions*
- *Product Development and Management*
- *Project Management*
- *Effective Leadership and the Management of Change*
- *Total Quality Management*
- *Marketing and Innovation Management*
- *Economic and Financial Analysis*
- *Organizational Behavior and Design*
- *Managerial Accounting*
- *Strategic Management of the Total Enterprise*
- *Modeling and Simulation for Business Decisions*

For additional information, applications, or a schedule of Open Houses, contact the program director, Professor Joel Goldhar, 312-906-6526.

Stuart School of Business
Illinois Institute of Technology

Illinois Section to Host Younger Member Conference

All ASCE members are invited to participate in this year's Zone III Younger Members Conference, which will be held on Friday, March 22 and Saturday, March 23, 1996 at the Radisson Hotel in Chicago. An icebreaker social is scheduled for Friday night, with conference activities to take place on Saturday morning and afternoon. A full slate of speakers will give presentations and lead open discussions on such topics as:

- Setting up a project team and then managing it. How do our decisions affect efficiency, quality, and employee morale?
- Is it in my interest to pursue an advanced degree such as M.S. or MBA? If so, which one?
- How to find balance in our personal and professional lives.
- What do supervisors look for when considering promotions?
- How does the law affect what I do as an engineer?
- Politically sensitive projects — who decides what is in the public interest. A look at two large Chicagoland projects, why one is funded and one is not.
- How should I deal with the media? How canl promote my employer's and my client's interests?

There will be representatives from ASCE National in attendance, including President-Elect Edward Groff, to hear our views, to offer insights into how the Society functions on the national level, and to discuss issues that affect the Society as a whole.

Don't miss this excellent opportunity to network with other ASCE members from around the country and to learn more about your profession. Contact Michael Trojian at (312) 803-0288 ext. 184 at Alfred Benesch & Co. for more information.

Regional Engineer

The nation's leading manufacturer of underground construction products has career opportunities for Civil Engineers as Regional Engineers.

Responsibilties include consulting to public works engineers, providing technical details on our products and their applications. The individual we seek must be a self-starter who is able to work independently. The ideal candidate will have at least three years of related experience and an established reputation within the engineering or public works community. We require a degree in civil engineering and strong technical sales interest/experience.

We offer an excellent salary, a competitive benefit program, a company car, and paid travel expenses. Send your confidential resume with salary requirements to: **NAS Reply Service, Dept. IL-ASCE, 1515 Bethel Rd., Suite 302, Columbus, OH 43220.** An Equal Opportunity Employer.

SECTION ACTIVITIES

Transportation Group

(Continued from Page 8)

Tollway (I-355) as well as interchange and toll plaza improvements on the existing Tollways. The southerly extension of I-355 from I-55 to I-80 is scheduled to be under construction in 1996. Mr. Wehner will also discuss ISTHA's plans for the O'Hare West Bypass, which will connect the Tri-State with the Northwest Tollway around the western side of O'Hare International Airport and which will also provide an east-west connection to the Elgin-O'Hare Expressway at I-290 in Itasca. He will also give us an update on the Tollway's study of potential improvements in the I-88 East-West Tollway corridor. Ralph will also discuss the changing role of the Tollway and his efforts to make the Tollway procurement requirements similar to those of IDOT.

Date: February 21, 1996
Time: 5:30 p.m. cash bar
6:30 p.m. dinner
Place: Sharko's
1 W. Roosevelt Rd., Villa Park
Cost: $20 plus cash bar
RSVP: Jack Trone at (312) 782-8150/Fax (312) 782-1684 or Dean Kiesling at (312) 946-7121/Fax (312) 946-7199 by Friday, February 16

Associate Member Forum

February Meeting

How does the law affect me and my career as an engineer? Bradley Hulbert, a senior partner with the law firm of Banner & Allegretti, Ltd., and an adjunct professor with area universities, will discuss engineering liability and the "logic" behind the U.S. legal system. He will also give guidelines for engineers to reduce the risk of being found liable for career damaging judgements.

Date: February 21, 1996
Time: 5:30 p.m.
Place: River Center Lobby
Conference Room
111 N. Canal St., Chicago
RSVP: Barry Erlandson at (708) 491-1000

Environmental Engineering & Water Resources Group

EE&WR conducts its business meetings on the second Tuesday of each month at 5:30 p.m. in the River Center Conference Room. The next scheduled meeting is:

Date: February 13, 1996
Time: 5:30 p.m.
Place: River Center, Main Floor
Conference Room
111 N. Canal St., Chicago

Contact Dave Kendall at (708) 574-7707 for further information. Currently, the group is planning a slate of dinner meetings and instruction seminars for 1996 on a variety of stormwater management and environmental remediation topics.

Urban Planning & Development Group

Seminars for this year are in the planning stages. We are looking for new ideas. A partial list of the seminars and workshops sponsored last year include: sources of funding for public projects, acquiring permits for projects in Northeastern Illinois, and Career Day. If you have any questions, either call John Zimmermann at (708) 823-1688, or just show up at our next scheduled meeting.

Date: February 15, 1996
Time: 8:15 a.m.
Place: Denny's Restaurant
Oakbrook Terrace

SECTION ACTIVITIES

Structural Group

February Dinner Meeting

The February dinner meeting, co-sponsored with AISC, will feature Mr. Gerold Roe of the Bethlehem Steel Corp. Mr. Roe will present "Plate Production Improvements and Their Application to Bridges and Buildings." In recent years, steel makers have faced increasing demands for improved levels of performance as well as for improved property uniformity and consistency in their products. Advances in steel making and plate mill processing have led to improved plate surface quality, internal quality, mechanical properties and dimensions. These plate improvements and their application to steel bridge and building design and construction will be discussed.

Date: February 13, 1996
Time: 5:15 p.m. cash bar
6:00 p.m. dinner
presentation follows dinner
Place: Como Inn
546 N. Milwaukee, Chicago
Cost: $25
RSVP: Barb Pries at (312) 263-1606 by 5 p.m. on February 9

March Dinner Meeting

Mr. Kesti Susinskas, Engineer of Design for the Illinois State Toll Highway Authority, will discuss project management and design challenges faced during the development of I-355 South Extension structural designs. The I-355 South Extension extends the existing tollway from Interstate 55 to Interstate 80. The project includes 12 miles of roadway, seven interchanges, 34 bridges, and a 6,600-foot-long double-span bridge over the Des Plaines River Valley. The presentation will include a discussion of design alternatives that were considered and constraints on the design with special emphasis on the Des Plaines River Valley Bridge.

Date: March 28, 1996
Time: 5:30 p.m. gathering
6:00 p.m. dinner
7:00 p.m. program
Place: Sharko's
1 W. Roosevelt, Villa Park
Cost: $25
RSVP: Barb Pries at (312) 263-1606 by March 26, 1996

Management Group

For information on the Management Group and its activities, contact Fred Parkinson at (312) 782-8150.

Administration Committee Meeting

Date: Thursday, Feb. 15, 1996
Time: 5:15 p.m.
Place: Collins Engineers, Inc.
165 N. Canal St., Suite 975
Chicago

Management Suburban Dinner

Dr. Leonard Lamberson will speak on *The Bayesian Reliability Method for Mechanization and Vehicles* at an IEEE-ASCE interdisciplinary event. He is dean of the Western Michigan University Engineering College.

Date: Thursday, Feb. 29, 1996
Time: 6:00 p.m. social
7:00 p.m. dinner
8:00 p.m. presentation
Place: Jerry Sharko's
2225 Ogden Ave., Lisle
Cost: $15 members/guests
RSVP: Fred Parkinson at (312) 782-8150

Management Related Seminars

Please refer to our December, 1995 article for information on *five seminars* to be held in March.

Niche Marketing by Barry Koren

STEP 1: NARROW YOUR FOCUS. Go after a specific niche in a chosen market. Define a narrow or narrower segment, then adjust the narrowness of focus so that there are enough prospects to make the pursuit worthwhile. Find your niche by looking carefully at current and past clients, then prospects one at a time. Look for a service or service segment you provided to a client that may appeal to others. Could what you do for a client be valuable to other clients?

Geotechnical Group

Geotechnical Group meetings are held **every second Tuesday of the month,** September through May.

Time: 5:30 p.m. social
6:30 p.m. dinner
7:30 p.m. presentation
Place: Como Inn
546 N. Milwaukee, Chicago
Cost: $25 with reservations, $30 at the door, $10 for students with reservations, $15 for faculty with reservations.
RSVP: Deborah at (708) 963-3444 by noon on the Thursday preceeding the meeting.

February Dinner Meeting

The February meeting will feature guest speaker Mike Robinson with Testing Services Corp. speaking about "Seismic Risk and Design in Illinois — A Geotechnical Perspective."

Date: February 13, 1996

1996 Geotechnical Lecture Series

The Geotechnical Group sponsors a lecture series every two years, jointly sponsored by the Illinois Institute of Technology (IIT). The topic for the 1996 Geotechnical Lecture Series is "Current Topics in Tunneling." The lectures will be held from 6:30 to 9:00 p.m. on Tuesday evenings at Kent College of Law, IIT, 565 W. Adams St. (one block west of Union Station), Chicago, Illinois. The cost is still $125. Full-fee registrants will receive a copy of the symposium proceedings. Single session attendance is $40 and does not include a copy of the proceedings. Proceeds from this series will fund the annual Geotechnical Group scholarship. The dates, speakers and topics are as follows:

February 27 — Dr. Wayne Clough, Georgia Tech University, "Innovative Tunnel Projects in San Francisco."

March 12 — Brian Sweeney, Haley & Aldrich, Cambridge, MA, "Boston Artery Tunnel."

March 26 — Wally Baker, Geobase, Inc., Crofton, MD, "Land Subsidence and Grouting for Tunnel Project in London, England."

April 16 — Jim Gould, Muesser-Rutledge, New York City, "Tunnel Disputes in Washington, D.C. and Los Angeles."

Please see the brochure enclosed with this newsletter for further details. And use the form in the brochure for your registration.

Transportation Group

February Dinner Meeting

Mr. Ralph Wehner, Executive Director of the Illinois State Toll Highway Authority, will present an overview of the Tollway's program to provide transportation improvements to meet the growing demands for additional highway capacity to serve motorists in the Chicagoland area. Mr. Wehner will discuss plans for extension of the North-South

(Continued on Page 7)

Printed on recycled paper