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# ASCE

ST. LOUIS SECTION

October 2006

## Please join the St. Louis Section for Smooth Roads Initiative and the Reconstruction of Interstate 64

### Speaker:

**Linda Wilson, MoDOT, I-64 Community Relations Manager**

**Location:** The Engineers' Club of St. Louis, 4359 Lindell Blvd.

**Date/Time:** Tuesday, October 10, 2006  
11:30 Registration / 12:00 Lunch

**Cost:** \$15.00 per person / \$5.00 students

**Reservations:** Call Kurt at the Engineer's Club for reservations: 314-533-9333, or fax: 314-533-9336, or email: kurt.krispin@engineersclub.net. *ASCE is charged for all reserved lunches. If you've signed up and can't make it, please cancel with Kurt by the Thursday before the meeting or we will have to charge you for the meal.*

The Missouri Department of Transportation has had a record construction season. Hear about the progress on the Smooth Roads Initiative and the projects scheduled using Amendment 3 funding.

The largest of those funded projects is the reconstruction of Interstate 64. MoDOT will be reconstructing 12 miles of I-64/Route 40 through the heart of St. Louis City and County. The \$535 million project includes 12 miles of pavement, a dozen interchanges and more than 30 bridges and overpasses. It will be very difficult work that will definitely impact the more than 150,000 motorists who use the highway every day.

Proposals are due from the competing teams later this month and a public announcement is expected by the end of the year. Learn about the plans for the project and how MoDOT is preparing for this major construction work.

### About the Speaker

Linda Wilson is the I-64 Community Relations Manager for the Missouri Department of Transportation's St. Louis district office. She has been with the department 15 years working in public involvement and public relations positions. Linda has a bachelor's degree in journalism from the University of Missouri at Columbia.

In her position, she is responsible for all community outreach activities for the New I-64 reconstruction project. This responsibility includes working with the media, answering questions from the general public, giving speeches and keeping local, state and federal elected officials informed on the project.

Linda Wilson, The New I-64 Community Relations Manager, MoDOT, St. Louis Office  
Phone: 314-340-4117 — Email: Linda.Wilson@modot.mo.gov

For details & updates see our Web Page: <http://sections.asce.org/stlouis/index.html>  
This newsletter will be sent to all Section members via e-mail.



## President's Message

By Gene L. Rovak

I appreciate the opportunity the St. Louis Section has given me as its incoming President this coming year. I have to say that the past year has been interesting, eventful, and will be a tough act to follow.

We've seen ASCE change how the organization is divided up nationally. The equivalence of states, counties and cities have been reconstituted and streamlined, so that our Section is no longer part of Zone III, District 16, but now a Section under Region VII.

In May, the St. Louis Section hosted the 2006 Structures Congress, a national event that drew over 1000 participants from all over the country and the world. Thanks to the hard work of the structures committee, with Brad Cross and John Finke who co-chaired the event, the Congress equaled or exceeded prior events on the east and west coast and gave visitors an outstanding impression of St. Louis and of our Section.

Thanks to Michelle Meier who has

worked tirelessly to organize the past several annual dinner meetings and has now agreed to trade that for two jobs, one as Awards Chairman, and the other as our Newsletter Editor. With that, I have to add appreciation to Tracy Abernathy who has extended her efforts in the transition to publish this October issue.

We completed the first year in which the Chapter had completed its conversion to electronic media for both our newsletter and Annual Roster. Now, following that change has been the development of our "e-room", by which our board and committees can now communicate electronically without dozens of emails and email cc:'s. Our thanks to Jeff Smith who has brought us down that road, and also for agreeing to take over as Webmaster, as Steve Randolph moves to our Board of Direction.

We have been working to raise ASCE's recognition among a wide audience; our efforts have included our participation and co-sponsorship in the events of other organizations, particularly the Earthday Symposium, which has dealt with water quality and storm-water issues as they relate to land use

and planning, and in the less technical but higher profile Earthday weekend celebration. We plan to continue working in that direction. This month we are co-sponsoring East-West Gateway's Great Streets Symposium, an event that also promises a wide audience among the urban planning and developer community.

With the help of our capable board and committee members, we will also see 2006-2007 as a year in which we extend the voice of our Section within ASCE, as well as of ASCE within the community at large. We will participate in the issues being debated at the national level through our Region VII delegates aided, where applicable, by resolutions passed within our Board of Direction.

Lastly, you're not mistaken if you have a touch of deja-vu upon seeing our October meeting announcement. We will again have Linda Wilson bring us up to date on MoDOT's efforts in upgrading I-64 and related improvements. This is a subject of keen interest to us as "consumers" as well as engineers. Be sure to make your reservations to be at the year's first, and very interesting, luncheon meeting.

## October Events

### Erosion Control Field Day

**Location:** Southern Illinois University Edwardsville

**Date/Time:** Wednesday, Oct. 4, 2006 (rain date Oct. 18)

**Cost:** Free

**Registration Deadline:** Sept. 27, 2006

Mark your calendar on Wednesday, October 4 (rain date October 18) to attend the FREE Erosion Control Field Day on the campus of Southern Illinois University Edwardsville.

Contractors, developers, consulting engineers, municipalities, inspectors, and others who have an interest in planning and executing best management practices for storm water

management and erosion and sedimentation control are welcome.

Equipment and products will be available to inspect, and methods and technologies will be demonstrated. It is anticipated that up to 2 PDHs will be available. Register online at <http://www.ce.siu.edu/ErosionControl/>

## Important Register Information

**Make sure you keep your register information up-to-date by contacting the National ASCE at <http://www.asce.org> or call 800-548-ASCE (2723)!!**

## 2006 Jake Jare Memorial Golf Tournament

<b>Location:</b> Whitmoor Country Club (North and South Courses)	10:00 AM — Bo Lunch Provided	— Dave Yeates, CH2M Hill
<b>Date/Time:</b> Monday, Oct. 9, 2006	11:00 AM — Shotgun Start with refreshments provided on course	— Todd Baucom, Jacobi Engineering
<b>Deadline:</b> Entries are due by Monday, September 25 to The Engineering Foundation of St. Louis 4359 Lindell Boulevard St. Louis, MO 63108 314-533-9333 314-533-9336 (fax)	5:00 PM — Open Bar; \$50,000 Hole-in-One Shoot-out	— Pam Cole, Midwest Engr Services
Reservations submitted by August 15 will be guaranteed shirt size and \$10/person discounted rate.	6:00 PM — Awards Dinner	— Rebecca Coyle, MSD
<b>Cost:</b> 3-person teams@\$585/team Individuals@195/person	This year's financial goal is \$30,000 and total proceeds will be divided equally between the Jake Jare Scholarship Fund and the Engineers' Club Building Fund.	— Mark Hejna, Gundaker Commercial
<b>Tournament Schedule:</b> 9:30 AM — Registration	Please contact any of the Committee members if you wish to become a sponsor or have any questions about sponsorship:	— Dennis Hobbs, A.D. Michel Co., Inc.
	— Jeff Klein, Geotechnology, Inc.	— Brian Hoelscher, MSD
	— Lex Lindholm, Independent Conco Pipe	— Ed Johnson, Engineers' Club
		— Kevin Jesse, Kelly Engr Resources
		— Kurt Krispin, Engineers' Club
		— Vicki LaRose, Civil Design, Inc.
		— Jim Pyatt, Jacobi Engineering
		— Wayne Schmidt, Burns & McDonnell
		For a list of sponsors and to obtain an entry form, please see the website: <a href="http://www.engineersclub.net">http://www.engineersclub.net</a> .
		<i>Questions?</i> Contact Kurt Krispin, <a href="mailto:kurt.krispin@engineersclub.net">kurt.krispin@engineersclub.net</a>

### 4th Annual TEAM Transportation Fair:

## "An Integrated Transportation Network: Working Together"

<b>Location:</b> Maryland Heights Community Center	Shane by e-mail: <a href="mailto:dshane@gbutler.com">dshane@gbutler.com</a> or by phone: 636-240-2444.	tion, innovative financing, interchanges and intersections, significant local projects, system management and operations, and transportation planning.
<b>Date:</b> Friday, Oct. 13	The fair coincides with "National Put The Breaks On Fatalities Day" which is on Oct. 10, 2006. Sponsorships are available for \$100. Up to 6 PDHs are available for attending sessions, which include: safety, construc-	For sponsorship information and registration, contact Luis Porrello at <a href="mailto:lporrello@hntb.com">lporrello@hntb.com</a> or 314-241-2808.
<b>Fee:</b> \$30 per attendee — includes lunch		
<b>Deadline:</b> October 6, contact Dan		

### ASCE Geotechnical Committee Presents:

## Ground Improvement Seminar

<b>Location:</b> Engineers' Club 4359 Lindell Blvd. St. Louis, MO 63108	<b>RSVP:</b> Lyle Simonton <a href="mailto:lsimonton@subsurfaceconstructors.com">lsimonton@subsurfaceconstructors.com</a> By Friday, Oct. 13, 2006	— Dr. Braja M. Das – Dean Emeritus, California State University at Sacramento – "Chemical and Mechanical Stabilization"
<b>Date/Time:</b> Friday, Oct. 27, 2006 8:00 AM — 12:00 PM Doors open at approx. 7:15 and continental breakfast will be provided	— Joe Zdankiewicz – Illinois Department of Transportation – Design and Implementation of Stone Columns and Vibrocompaction for the Cape Girardeau Bridge Abutment	Four (4) PDHs will be available to attendees.
<b>Cost:</b> \$65 ASCE members \$75 non-members \$20 students	— Dennis Boehm – Hayward Baker, Inc. – Introduction and Discussion of Dry Soil Mixing	

## "Building With Trees"

**Location:** Powder Valley Nature Center, St. Louis, MO

**Date/Time:** Tuesday, Oct. 10, 2006

**Contact:** The National Arbor Day Foundation  
888-448-7337  
402-474-0820 (fax)

**Online Registration:**  
[www.arborday.org/bwtseminar](http://www.arborday.org/bwtseminar)

The National Arbor Day Foundation will present a day-long seminar at the Powder Valley Nature Center on October 10, 2006.

The Building With Trees seminar is designed to help construction and green industry professionals retain trees during building and land development.

"We focus on the three stages of

any project -- planning, construction and maintenance," seminar instructor Charles Stewart says. "If you are going to be successful, the trees being protected must be considered at every stage of the project. With proper planning and cooperation among all building-site professionals, trees can be preserved."

Stewart, a leading consultant on saving trees during construction, is president of Urban Forest Management, Inc., Fox River Grove, Illinois. He says that more and more people are interested in protecting mature trees during construction and land development. "In the end, you will have a more valuable piece of property, in terms of appearance, environmental quality and monetary value."

The seminar is presented by The National Arbor Day Foundation in cooperation with The National Associa-

tion of Home Builders.

The "Building With Trees" seminar is designed to benefit all individuals involved in the development process, including developers, builders, construction managers, land owners, architects, landscape architects, arborists, engineers, surveyors, tree-care workers; real estate professionals, city officials, community foresters, urban planners, urban forestry consultants, and professors in related fields.

A complete agenda and seminar registration and fee information is available from The National Arbor Day Foundation, P.O. Box 81415, Lincoln, NE 68501-1415, toll free: 888-448-7337, fax: 402-473-9556, e-mail: [conferences@arborday.org](mailto:conferences@arborday.org) or online at [www.arborday.org/bwtseminar](http://www.arborday.org/bwtseminar).

## November Events

### "Introduction of the new AISC Seismic Specifications and Manual"

**Location:** Greenbriar Hills Country Club

**Date/Time:** Friday, November 17, 2006, 7:00 a.m.

The AISC Seismic Provisions for Structural Steel Buildings, 2005 is a substantial update to the previous releases of the provisions in 1997 and 2002. This presentation highlights these changes while providing an overview of the Provisions, from the new combined ASD and LRFD format to member and system requirements. The discussion will be concentrated on Part I of the document. The AISC Seismic Design Manual, 1st Edition is the first publication which illustrates the application of the Seismic Provisions. The Manual provides supplemental information and tools to help make the

Provisions easier to use. The organization, tables, and examples from the Manual will be previewed along with the new AISC document, Pre-qualified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications.

#### ABOUT THE SPEAKER:

Jason Ericksen is the director of AISC's Steel Solutions Center. He earned his Bachelors and Masters Degrees in Engineering from the University of Illinois-Urbana-Champaign, completing his university education in January 1999. In the Steel Solutions Center, Jason coordinates the efforts of the staff. Working as a team, they address the needs of the design and construction industry for the use of structural steel.

#### REGISTRATION:

You may register to attend by fax with your name, company name, address and phone number to: 1-636-933-0863#11 or go to our web site and register: [www.bistatefabricators.com](http://www.bistatefabricators.com)

Dress code is casual but no jeans. Breakfast will be served promptly at 7:15 a.m. Program begins at 7:30 with adjournment about 9:30. RSVP by Nov. 13. This program has a CEU value of 0.1 or 1.0 Professional Development Hours.

## ASCE Continuing Education Seminars

Visit the National website at [www.ASCE.org](http://www.ASCE.org) for more information on these and other upcoming seminars.

### Design Foundations for Dynamic Loads — New Seminar!

January 24—26, 2007  
Radisson Hotel St. Louis Downtown  
200 North Fourth Street  
St. Louis, MO 63102  
Phone: 800-925-1395

Instructors - M. Heshman El Naggar, Ph.D., P.E., M. ASCE and Ayman Shama, Ph.D., P.E., M. ASCE

This seminar will provide a better understanding to practicing engineers and architects of the design and evaluation of shallow and pile foundations subjected to dynamic loads such as rotating machines and seismic events. Topics to be discussed include: Basic principles of soil dynamics and geotechnical earthquake engineering; response and design of shallow and pile foundations to rotating machine loads; remedial measures for machine foundations; evaluation of soil springs for seismic analysis; and solved seismic design examples for shallow foundations, retaining walls, and caissons.

### Dam Breach Analysis Using HEC-RAS — New Seminar!

February 28—March 2, 2007  
Radisson Hotel St. Louis Downtown  
200 North Fourth Street  
St. Louis, MO 63102  
Phone: 800-925-1395

Instructor - Christopher R. Goodell, P.E., D.WRE, M.ASCE  
Martin J. Teal, P.E., P.H., D.WRE, M.ASCE  
Raymond Walton, Ph.D., P.E., D.WRE, M.ASCE

This intensive, workshop-oriented, three day seminar will prepare the engineer and water resource professional to use the HEC-RAS computer program for running dam breach simulations. Participants will learn how to

approach and conduct a dam breach study, estimate breaching parameters, construct a HEC-RAS unsteady flow model of the dam breach, and eliminate errors and instabilities in the model run.

### Pumping Systems Design for Civil Engineers

March 5—6, 2007  
Radisson Hotel St. Louis Downtown  
200 North Fourth Street  
St. Louis, MO 63102  
Phone: 800-925-1395

Instructor - David Hanna, P.E., M.ASCE

This seminar presents the basics of pumping system design and specification for civil engineers. It emphasizes the application of pumping systems in municipal water and wastewater systems. Topics covered include: pump and system hydraulics; centrifugal pump selection; interpretation of manufacturer's pump head-capacity curves; types of pumping stations; series and parallel operation; variable speed systems; friction losses in sludge pumping; wet well design; specifying of pumps; shop drawing review considerations; and some common pump operating problems.

### Construction Contract Management

March 29—30, 2007  
Radisson Hotel St. Louis Downtown  
200 North Fourth Street  
St. Louis, MO 63102  
Phone: 800-925-1395

Instructor - Glenn H. Haese, Esq. J.D., A.M.ASCE

It is crucial to a successful project that all team members involved understand the dynamics of the construction contract and how it defines their work and responsibilities. This seminar provides

a practical and legal coverage of all aspects of construction contract from the time of bidding to termination and post- termination. This two-day seminar is aimed at resident project representatives, but also project managers, contract administrators, architects, developers, bankers, engineers, owners, and supervisory and field management personnel. Attendees will walk through a step by step analysis of the contract to better understand their role and obligations in the process and properly coordinate their work as project team members and avoid disputes and claims.

## Supplemental

*EERI New Madrid Chapter's*

### 2007 Student Earthquake-Hazard Poster Competition

The New Madrid Chapter (NMC) of Earthquake Engineering Research Institute (EERI) is planning a poster competition for students.

There will be two levels of student prizes: graduate level (first place award of \$350); and, undergraduate level (first place award of \$250). There will be second place awards at each level with more than four accepted entrants.

All students will present their poster in a professional forum at the competition. Awardees will be noted during Earthquake Awareness Week activities and will have earned an honor useful for their resumes and employment searches.

More information including: Rules (page 1), Application (page 2), and Poster Competition Rules (page 3) can be found at:

<http://sections.asce.org/stlouis/SEI/Home.htm>.

Contact for more information:

Greg Hempten, PhD, PE, RG  
President-Elect NMC of EERI  
314-353-7638  
[hempeng@charter.net](mailto:hempeng@charter.net)

### New Course Offering for Spring 2007

**Location:** Southern Illinois University Edwardsville  
Department of Construction Engineering  
Building Room 1008

**Course:** Boundary Surveying

**Date/Time:** Meets Mondays 4:30 PM – 7:20 PM, January 8 – April 30, 2007

**Instructor:** David J. Sherrill, P.L.S.

**DEADLINE** for Spring 2007 courses is DECEMBER 6, 2006

This course will provide an overview of boundary surveying in the United States with emphasis on the rectangular system controlled States, which include Illinois and Missouri. Course will include history of surveying and measurements, procedures for

Land Surveying in boundary determination and procedures, research, field investigation, boundary control and computations, preparation of plat of survey, legal description writing, standards of practice, and ethics.

The Office of Admissions in cooperation with the Department of Construction provides students seeking to take courses in land surveying the opportunity to apply as a visiting (non-degree seeking) student. Students applying as a visiting applicant can take up to 30 hours of SIUE courses for credit in the visiting status. The admissions process is:

- Complete the SIUE Undergraduate Application for Admission by appropriate deadlines.
- Submit the Application for Admission and \$30 application fee either on-line; by bringing to the SIUE Service Center (Rendleman Hall,

Room 1309); or by mailing to:

Southern Illinois University  
Edwardsville  
Application Processing  
Office of the Bursar, Box 1042  
Rendleman Hall, Room 1101  
Edwardsville, IL 62026-1042  
Phone: (618) 650-3705

- Upon admission, contact the SIUE Service Center (618-650-2080) to register for CNST 495-001, Boundary Surveying. This is a 3 credit hour (45 contact hour) course.

For further information, contact the SIUE Department of Construction Dianne Kay Slattery, P.E., Department Chair [dkay@siue.edu](mailto:dkay@siue.edu) or call (618) 650-5019.

### Member Services — Position Openings

#### Licensed Mechanical, Civil or Electrical & Controls/Instrumentation Engineers

Farnsworth Group is currently looking for licensed Mechanical, Civil or Electrical & Controls/Instrumentation engineers to work on oil and gas projects involving pipeline installations, replacements, pigging, and rehab projects, along with pump stations, com-

pressor stations, metering and regulating stations, storage tanks, terminals and other related facilities.

Minimum requirements for positions are: BS in engineering from an ABET accredited curriculum, PE preferred, minimum of 5 years of experience and computer proficiency. Applicants must be experienced in the design of pipelines and pipeline related

facilities, and have the ability to interpret and apply DOT, API, ANSI/ASME and client regulations, codes and standards. Project management and estimating experience are key, along with field experience in troubleshooting and overseeing construction.

Interested candidates please submit your interest to our website at [www.f-w.com](http://www.f-w.com).

## Member Services — Position Openings

### Structural Engineers and Project Managers

KPFF Consulting Engineers has immediate openings for highly skilled, communicative and motivated structural engineers and project managers.

Candidates should have a minimum of four years of experience designing building structures in a variety of building materials, including concrete, steel, light gage, masonry, and wood. Seismic design, PT concrete, and renovation experience a plus. BS (MS a plus) and PE required.

Please e-mail your cover letter and resume to [Resumes@kpff-stl.com](mailto:Resumes@kpff-stl.com) and visit us at [www.kpff.com](http://www.kpff.com).

### PE MO Licensed Civil Engineer

PE Mo licensed civil engineer with 3—5 years experience and strong knowledge of AutoCAD Land Development Desktop 2004 or equal, Pond-Pack 10, Microsoft Word and Excel. Must be able to run hydraulic analysis of stormwater detention, pipe hydraulics and work out storm drainage issues. Also very knowledgeable of site grading, earthwork, SWPPP, Site Plans, Improvement Plans and subdivision design. Must interact well with individual clients and regulatory agencies such as MSD, MoDOT, and County Highway Dept. Contact John N. Wurm, James Engineering & Surveying, 10811 Big Bend Blvd., 314-822-1006; Fax: 314-822-0006 [www.James-Eng.com](http://www.James-Eng.com), [john@james-eng.com](mailto:john@james-eng.com)

SCI Engineering has several job openings listed on the career page of our website — [www.sciengineering.com](http://www.sciengineering.com):

- **Archaeological Technicians**
- **Geotechnical Staff Engineer (EIT)**

### Project Manager—Estimator

Byrne & Jones Construction currently has an immediate full-time opening for a Project Manager—Estimator. A Bachelor's degree and a minimum of 2 years relevant work experience required.

Responsibilities include: completing accurate take-offs and pricing from plans and specs; Contacting potential clients to expand our existing account base, determining project requirements, and developing solid business relationships; Maintaining accurate records for billings; Experience in civil work and/or road work; Reinforce our client's confidence.

Compensation includes base salary and performance bonus as well as outstanding benefits. Please e-mail resume to [kkues@byrneandjones.com](mailto:kkues@byrneandjones.com) or fax to Kathy at 314-567-1828.

### Structural Engineering Project Manager

Larson Engineering of Missouri is seeking a Structural Engineering Project Manager with 5+ years experience in commercial and/or institutional building design. This position will require excellent communication skills and a strong knowledge of the local construction industry. Ideal candidates will have strong organizational skills and the ability to multi-task. PE license required. Direct resumes to: Larson Engineering of Missouri, 5757 Phantom Drive, Suite 200, St. Louis, MO 63042-2455, Phone: (314) 731-4710 Fax: (314) 731-4712, [tbusen@larsonmo.com](mailto:tbusen@larsonmo.com)

### Senior Bridge Engineer

Burns & McDonnell has an opening for a senior bridge engineer in the St. Louis office. The opening is for a lead bridge engineer on bridge project for MoDOT, IDOT, municipalities and counties. 10—15 years experience required. Candidate must have Missouri PE and be eligible to obtain Illinois SE. Additional requirements include good communication skills, good organizational skills, and good skills leading a team of engineers and technicians in production of bridge designs. Email cover letter and resume to Randy Bernhardt, [rbernhardt@burnsmcd.com](mailto:rbernhardt@burnsmcd.com). For more information call Mr. Bernhardt at 314-821-9016.

### Structural Civil Engineers

Immediate opening exists in Horner & Shifrin's St. Louis office for a full-time Building Design Engineer with 5—10 years of experience. Some bridge design experience desirable, but not required. Responsibilities will include preparation of design calculations, AutoCAD drawings, engineering reports, and construction documents. PE/SE preferred. B.S. in Civil or Structural Engineering required. Salary commensurate with experience. Interested candidates should e-mail a cover letter and resume to [employment@hornershifrin.com](mailto:employment@hornershifrin.com) or fax it to the attention of Human Resources at 314-531-6966. To learn more, visit Horner & Shifrin online at [www.hornershifrin.com](http://www.hornershifrin.com).

### Transportation Engineer

Immediate opening exists in Horner & Shifrin's O'Fallon, Illinois office for a full-time Transportation/Civil Engineer. Requirements include 2-5 years of experience in highway and road design and knowledge of AutoCAD, Microstation, and/or Geopak, EIT certification and B.S. in Civil Engineering. Salary commensurate with experience. Interested candidates should e-mail a cover letter and resume to [employment@hornershifrin.com](mailto:employment@hornershifrin.com) or fax it to the attention of Human Resources at 314-531-6966. To learn more, visit Horner & Shifrin online at [www.hornershifrin.com](http://www.hornershifrin.com).

### Geotechnical Engineer

Shannon & Wilson, Inc. is seeking a full-time geotechnical engineer in their St. Louis, MO office to prepare geotechnical engineering proposals, plan field explorations and sample collection, plan geotechnical laboratory testing programs, perform engineering analyses and calculations, write geotechnical engineering reports, and interact and communicate with clients. Candidate must have 3—8 years experience, with experience in the Midwest required; license to practice engineering in Missouri; M.S. degree, Civil Engineering with geotechnical specialty. For more information, contact:

## Member Services — Position Openings

### HR/JOBS

Shannon & Wilson, Inc.  
2043 Westport Center Drive  
St. Louis, MO 63146-3564  
E-mail: [jobs@shanwil.com](mailto:jobs@shanwil.com)

### Structural Engineer

ABS Consulting offers a variety of design and analysis services for conventional new design and extreme loads including earthquake, explosion, wind, and flood hazards. We are currently seeking a structural engineer, with a minimum of 3 years experience in steel, concrete, wood, and masonry design interested in joining our St. Louis Office. Please call or visit our website for more information: ABS Consulting, 77 Westport Plaza, Suite 210, St. Louis, MO 63146, (314) 819-1550, Attn: Teresa Walker, [twalker@absconsulting.com](mailto:twalker@absconsulting.com) [www.absconsulting.com/employment.html](http://www.absconsulting.com/employment.html)

### Project Structural Engineer

Hellmuth, Obata + Kassabaum (HOK) is seeking Project Structural Engineer to work in its downtown St. Louis office. Job duties include assisting in developing structural concepts, designing and managing the design of building projects, coordinating the structural design with the work of other disciplines, reviewing submittals, visiting project sites and facilitating contractor activities, participating in technical development activities and mentoring junior engineers. Bachelor of Science degree in Civil Engineering is required; Master of Science in Civil Engineering preferred. Professional engineer registration is required. Minimum of seven years of structural engineering experience. Intimate knowledge of building code requirements. No phone calls please. Apply online at: [www.hok.com/Careers](http://www.hok.com/Careers).

### Structural Engineer

Hellmuth, Obata + Kassabaum (HOK) is seeking Structural Engineer to work in its downtown St. Louis office. Job duties include assisting in developing structural concepts, participating in the structural design of build-

ing projects, coordinating the structural design with the work of other disciplines, reviewing submittals, visiting project sites, responding to questions from contractors, and participating in technical development activities. Bachelor of Science degree in Civil Engineering is required; Master of Science in Civil Engineering preferred. Professional engineer registration is required of those with sufficient experience. Two years of experience in the structural design of building frames preferred. No phone calls please. Apply online at: [www.hok.com/Careers](http://www.hok.com/Careers).

### Civil Engineer — St. Louis, MO

URS Corporation is seeking civil engineers with 1—6 years experience to work in our St. Louis office. The successful candidate will be employed in our Transportation or Structural Group performing roadway and bridge design. Candidate should possess strong technical, organizational and communication skills, as well as experience in the design of transportation systems. Candidate should be familiar with MoDOT and IDOT design standards. A BSCE and EIT or PE registration are required. Experience with MicroStation and GeoPak is desirable. Submit resume on line to [urscorp.com](http://urscorp.com), requisition URS9241.

### Rail Designer — Springfield, MO

URS Corporation is seeking experienced rail designer with demonstrated experience with railroad clients or with the railroad performing track design and/or bridge design. BS candidate must have professional engineering license or ability to obtain one year. The candidate should be efficient using computer-aided design and drafting (CADD) particularly Microstation INROADS/INRAIL software. The candidate should be capable of producing engineering work with minimal direction and supervision. Excellent verbal and written communication skills are essential along with the ability to manage multiple projects and tasks simultaneously. Submit resume on line to [urscorp.com](http://urscorp.com), requisition URS14888.

### Senior Civil Engineer — Springfield, MO

URS Corporation is seeking a Senior Civil Engineer with a minimum of 6 years of increasing levels technical and managerial experience in Civil/Transportation related projects in Missouri. A BSCE and ability to obtain PE registration in Missouri are required. The candidate should be proficient using computer-aided design and drafting (CADD) software, particularly Microstation and/or AutoCAD/Land Desktop. The candidate must have good knowledge of MoDOT and AASHTO design standards, criteria, policies and procedures. The candidate should be capable of producing engineering work with minimal direction and supervision. Excellent verbal and written communication skills are essential along with the ability to manage multiple projects and tasks simultaneously. Submit resume on line to [urscorp.com](http://urscorp.com), requisition URS11935.

### Geotechnical Engineers

Geotechnology, Inc. has immediate openings for geotechnical engineers in its St. Louis, MO and Overland Park, KS offices. Candidates must have an MS CE/GE (geotechnical emphasis), a minimum of 4 years of professional experience, and excellent technical and communication skills. P.E registration or registration eligibility is required. Geotechnology, Inc. offers a competitive salary, excellent fringe benefits, and a professional work environment. Resume should be forwarded to:

HR at Geotechnology  
11816 Lackland Drive, Suite 150  
St. Louis, MO 63146  
or by e-mail to  
[k\\_kunzelmann@geotechnology.com](mailto:k_kunzelmann@geotechnology.com)

### Solid Waste/Recycling Superintendent (Manager)

University City's Public Works Department is seeking qualified candidates for this administrative position of directing solid waste and recycling collection and disposal. Applicants should have at least three years management experience, good organiza-

## Member Services — Position Openings

tional, investigative, computer, and report writing skills. A college or technical degree is desired, as well as knowledge of recycling and solid waste collection and disposal. The salary for this position is \$48K—\$61K + excellent benefits. Submit a completed University City application and resume to: University City Human Resources Dept. 6801 Delmar, University City, MO 63130. Secure an application and detailed job description at [www.ucitymo.org](http://www.ucitymo.org) or apply in person. This position is open until filled.

### Light Equipment Operator/Inspector I (Grade 8A)

University City's Public Works Department is seeking a candidate skilled in inspection, enforcement, nuisance abatement and street maintenance work. The work is performed in the Environmental Inspection Division (6

months) and the Street Division (6 months). The Environmental Inspector duties involve securing compliance with City environmental health and safety codes and related ordinances. The Light Equipment Operator duties include performing seasonal leaf collection, snow removal and nuisance abatement work. Qualified applicants must submit a completed University City application and resume to the human Resources Dept., City Hall, 6801 Delmar Blvd, University City, Missouri 63130.

### Senior Civil/Structural Engineer

Nestle Purina is seeking a Senior Civil/Structural Engineer with 10+ years of experience to work in its downtown St. Louis office. Job responsibilities include civil/structural design and review on small to large capital projects at manufacturing sites

across the U.S. and Canada, providing technical leadership in all aspects of industrial and commercial building structures, site work and manufacturing equipment supports. Requires experience with a wide variety of building materials, foundation designs, roofing systems, code requirements, and sanitary design requirements for structural/building elements. Bachelor of Science in Civil Engineering required. Master of Science in Civil Engineering preferred. Professional engineer registration is required. Resumes can be emailed as Word attachments to Tino Martinez at [tmartinez@purina.com](mailto:tmartinez@purina.com). Tino can be reached directly at (314) 982-3319 at Nestle Purina's headquarters. Visit [www.nestlejobs.com](http://www.nestlejobs.com) for additional information and applying as well.

## New ASCE Newsletter & Website Editors

It has been a pleasure to prepare the ASCE newsletter for the St. Louis members this year. However, with the election of new officers, also comes the transition of the newsletter responsibilities. Michele Meier, P.E., Metropolitan St. Louis Sewer District, has volunteered to fill this position. From this point forward, please send information you would like included in the newsletter to her attention. Also, please note that Jeff Smith, HNTB is now the Web Page editor. Please see contact information below. - Tracy Abernathy

## ASCE Newsletter via E-mail and Postal Delivery:

ASCE National keeps a central database that holds all ASCE members' individual information. This database is downloaded by the St. Louis Section on the first of every month for Section use. This provides the Section with both mailing and e-mail addresses AS THEY ARE SHOWN ON YOUR NATIONAL RECORDS. Therefore, if you need to update these addresses regarding your receipt of the newsletter, please do so at the National level ([www.asce.org](http://www.asce.org)) so we will be forwarded the updated information.

### News Items

Please try to get all announcements for placement in the newsletter to the Newsletter Editor by the 15th of the month prior to publication. Items may be sent (e-mail preferred) to:

Michele Meier, P.E.  
Metropolitan St. Louis Sewer District  
2350 Market Street  
St. Louis, Missouri 63103  
(314) 768-2794 Fax (314) 768-6341  
[mjmeir@stlmsd.com](mailto:mjmeir@stlmsd.com)

Most news items will be available on the Section's Web Page, which can be reached via the link on ASCE National Website ([www.asce.org](http://www.asce.org)). Click on "Geographical and International Units" to link to the Section or go directly to our page at: <http://sections.asce.org/stlouis/index.html>. The Web Page Editor is Jeff Smith e-mail: [JESmith@HNTB.com](mailto:JESmith@HNTB.com) or via feedback directly from our website.