



St. Louis Engineer

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Inside this issue:

President's Message 2
Nominating Committee Rpt 3
PE Refresher Course 4
2009 MSPE Reception 5
Upcoming Events Calendar 6

April Program

MSPE and Engineers' Club Luncheon- Tuesday April 21st, 2009

THE FIRST MAJOR PILOT TUBE MICROTUNNELING PROJECT IN THE ST. LOUIS METROPOLITAN AREA

Location: Engineers' Club of Saint Louis
4359 Lindell Blvd.
St. Louis MO 63108
Time: **Cost:** \$15.00
Registration at 11:30 am / Lunch at Noon
Presentation begins at 12:30 pm



Project Design Firm:

Horner & Shifrin, Inc.

PTMT Contractor:

Fred M. Luth & Sons, Inc.

Project Details:

Pilot Tube Microtunneling project across the Galleria Mall parking lot consisting of approximately 1,800 LF of 18 inch sanitary sewer installed at depths up to 23 ft. Project utilized VCP jacking pipe installed rifle-barrel-straight to 1/8 inch or better accuracy at distances up to 280 ft in length. All tunneling was performed out of 8 ft diameter shafts, resulting in minimal ground disturbance.

Presentation Outline:

This paper will discuss the process of PTMT, the reasons that it was chosen as the installation method, design considerations, construction process, and the social-impact that it had on the mall and surrounding area.

Speakers:

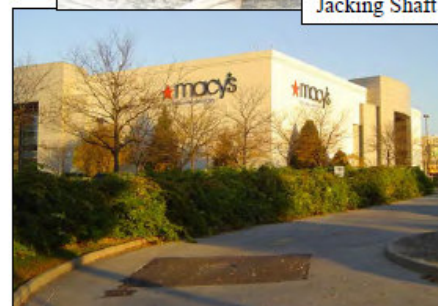
Ed Sewing, Horner and Shifrin, Inc.
Jeff Boschert, National Clay Pipe Institute
Mike Luth, Fred M. Luth and Sons, Inc.

Who should attend?

Engineers and consultants serving municipal, commercial, and institutional clients that would benefit from low impact-high accuracy utility installations.



Jacking Shaft



Prior launch pit (10' x 10' asphalt restoration)



PCH at Reception Shaft



Jacking Shaft - Topside

Please RSVP by Friday April 17th, 2009:
Engineers' Club: (314) 533-9333
kurt.krispin@engineersclub.net



St. Louis Chapter Missouri Society of Professional Engineers

Nominating Committee Report

The Slate of Officers for 2009-2010 are as follows:

President – Jason Dohrmann, P.E.

President Elect/Vice President – Matt Tinker, E.I.T.

Treasurer – Bob Becnel, P.E.

Secretary – Jennifer Kuchinski, P.E.

Jennifer is currently Assistant Vice President and Manager –Aviation Design Services at the St. Louis Office of PB. She possesses an M.S., Civil Engineering, University of Missouri at Rolla (2002), B.S., Civil Engineering, University of Missouri at Rolla (1995).

Immediate Past President – Marc Eshelman, P.E.

State Director

Breck Washam, P.E. (2009 – 2012)

Breck is a past president of the MSPE St. Louis Chapter, First Vice Chairman for the MSPE's Professional Engineers in Private Practice (PEPP) at the state level. He currently serves at Associate Vice President and General Manager of the St. Louis Regional Office of Burns & McDonnell.

Chapter Director

Christine Grunbaum, P.E. (2009 – 2012)

Christine Grunbaum has been a member of MSPE since 2001 and has served as a chapter director, PDH chair, and on the scholarship committee. She is an Electrical Engineer for AmerenUE and is responsible for electrical distribution projects in the west St Louis County area.

Note: The list of Officers and Directors was approved at the March Board meeting and will be placed on the ballot for election in the month of April.

Discover ENGINEERING

MSPE St. Louis Chapter is seeking volunteers to help with the “Discover E” Bridge Program. “Discover E” is a program geared towards the youth in our community to help foster their understanding and interest in Engineering, more specifically in Structures. Using a scale model of a truss bridge, volunteers perform an interactive presentation about the principles of engineering as they relate to every day life. The model demonstrates the effects of load (the students who crawl through the bridge) as they relate to different members of the bridge, and the presentation can be tailored to be as broad or as specific as the audience wants it to be. The only requirements to becoming a volunteer are a passion for your profession and interest in working with children. For more information or to add your name to the list, please contact Jason Dohrmann at 636.519.0990 or by email at jdohrmann@hrgreen.com

SPRING 2009 MSPE REFRESHER COURSE

THE SPRING 2009 PE REFRESHER COURSE COMPLETES ANOTHER SUCCESSFUL YEAR!

EACH SPRING THE ST. LOUIS CHAPTER OFFERS A PE REFRESHER COURSE FOR ENGINEERS WHO ARE LOOKING FOR AN EXTRA EDGE WHEN PREPARING TO TAKE THEIR LICENSURE EXAM. PRESENTLY, WE OFFER THE COURSE FOR CIVIL, ELECTRICAL, AND MECHANICAL ENGINEERS, WITH EACH CLASS BEING TAUGHT BY PRACTICING ENGINEERS IN THEIR OWN DISCIPLINE AND SPECIALTY. CLASSES ARE TAUGHT AT THE ST. CHARLES COMMUNITY COLLEGE ON SATURDAY MORNINGS FROM MID-FEBRUARY TO MID-APRIL.

THIS YEAR, THERE WERE 32 CIVIL, 7 ELECTRICAL, AND 20 MECHANICAL ENGINEERS REGISTERED FOR THE COURSE, THE MOST NUMBER OF STUDENTS THAT WE HAVE HAD YET. ALL PROFITS FROM THE REVIEW COURSE GO INTO THE ST. LOUIS CHAPTER EDUCATION FOUNDATION. THE EDUCATION FOUNDATION SUPPORTS THE MATHCOUNTS PROGRAM AND THE CHAPTER SCHOLARSHIP PROGRAM FOR MISSOURI COLLEGE-BOUND FRESHMAN STUDENTS STUDYING IN ANY OF THE FIELDS OF ENGINEERING.

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**2009 MSPE ST. LOUIS CHAPTER
ENGINEERS WEEK RECEPTION AND
AWARDS PROGRAM
FEBRUARY 20TH
AT THE BOEING
JAMES S. MCDONNELL PROLOGUE ROOM**

THE JAMES S. MCDONNELL PROLOGUE ROOM IN ST. LOUIS TELLS THIS PANORAMIC STORY OF MORE THAN EIGHT DECADES OF AVIATION PROGRESS, FROM BIPLANES TO SPACE TRAVEL. SCALE MODELS, DIORAMAS, PAINTINGS AND PHOTOGRAPHS DEPICT SUCH IMPORTANT EVENTS AS THE FIRST FLIGHT AROUND THE WORLD IN 1924, THE FIRST TAKE-OFF OF A JET FIGHTER FROM A U.S. NAVY CARRIER IN 1946, THE FIRST AIRCRAFT TO LAND AT THE SOUTH POLE IN 1956, AND THE FIRST MANNED SPACECRAFT TO ORBIT THE EARTH IN 1962. THE JAMES S. MCDONNELL PROLOGUE ROOM IS NAMED IN TRIBUTE TO "MR. MAC" WHO FOUNDED THE ST. LOUIS-BASED MCDONNELL AIRCRAFT CO. IN 1939. OFTEN QUOTING SHAKESPEARE'S "WHAT'S PAST IS PROLOGUE," MR. MAC BELIEVED WE SHOULD HONOR AND LEARN FROM OUR PAST BUT NOT LIVE IN IT.

**Missouri University of Science and Technology
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The Missouri University of Science and Technology-Engineering Education Center in St. Louis offers M.S. degrees in Aerospace, Civil, Computer, Electrical, Environmental and Mechanical Engineering, Engineering Management, Engineering Mechanics and new Internet-based M.S. and M.Eng. Degrees in Manufacturing Engineering to working engineers. The Center started its operations in 1964. Over 2,500

engineers used this excellent opportunity to enhance their knowledge and status. All classes are offered in the evening. 10 classes are needed to acquire a M.S. degree that will affect your entire professional life. For more information, call (314) 516-5431 or visit the MST website: www.eec.mst.edu.



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Upcoming MSPE Programs and Events 2009

<u>A P R I L 2 0 0 9</u>						
<i>Sun</i>	<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>	<i>Sat</i>
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

MARK YOUR CALENDARS

Thursday, April 16th at 7:30 am-
Board of Directors Meeting at the
Engineers' Club, St. Louis, MO.

Tuesday, April 21st at 11:30 am-MSPE
and Engineers Club Luncheon at the
Engineers' Club, St. Louis, MO.

July 15th-18th-2009 NSPE Annual
Conference in St. Louis, MO.

Missouri Society of Professional Engineers St. Louis Chapter

The Engineers Club of St. Louis
4359 Lindell Boulevard
St. Louis, MO 63108



Address Correction Requested