



2012 - 2013

May Minneapolis Meeting Notice

Minnesota Geotechnical Society

Full Scale London Load Test

Neil Schwanz, PE

U.S. Army Corps of Engineers

Following the Hurricane Katrina loaded floodwall failures in New Orleans significant effort was made to better understand I-wall performance. This included performing a nearly \$4M full scale load test of an I-wall section along the London Avenue Canal. A sheet pile cofferdam was constructed to isolate and load five critical wall monoliths (150 ft) while real time data was collected and used to aid decisions during testing. Instrumentation included survey prisms with robotic total station, inclinometers, tilt meters, piezometers, pressure cells and crack meters. Performance predictions were made prior to testing and post test models were calibrated to support additional project evaluation and design. The London Load Test information was also used to support development of the Corps of Engineers Technical Letter (ETL) 1110-2-575 for Evaluation of I-walls in New Orleans and around the Nation. This presentation will discuss the load test background, instrumentation and data collection and results, as well as pre- and post-test analyses, what was learned and how this was used to develop criteria.

Date: Wednesday, May 8, 2013

Location: Rose Vine Hall (downstairs at Grumpy's Bar & Grill)
2801 Snelling Ave. N., Roseville, MN

Time: 6:00 Social Hour – Sponsored by Soil Engineering and Testing, Inc.

7:00 Dinner: Salad, Rolls, Coffee/Soda and a choice of:

1. 10-Ounce Top Sirloin - Char-grilled and topped with bleu cheese garlic butter. Served with white cheddar mashed potatoes and a sautéed vegetable medley – \$35.00*
2. Stuffed Pork Chops - Char-grilled pork chop stuffed with golden raisins, cornbread and apples. Served with potatoes and asparagus – \$35.00*.
3. Feta Cheese and Sun-Dried Tomato Stuffed Walleye - Served over white cheddar mashed potatoes with a drizzle of lemon thyme butter sauce – \$35.00*
4. Chicken Fettuccine Alfredo - Fettuccine noodles, snow pea pods, and mushrooms tossed in an Alfredo cream sauce and topped with a grilled chicken breast and parmesan cheese – \$30.00*
5. Cobb Salad - Iceberg topped with turkey, ham, bacon, hard cooked eggs, avocado, diced tomatoes, bleu cheese crumbles, and black olives with choice of dressing (Ranch, FF Ranch, Bleu Cheese, French, FF French, Italian FF Italian, Balsamic Vinaigrette) – \$25.00* *See Cost

8:00 Presentation – Neil Schwanz, US Army Corps of Engineers
(One professional development hour toward continuing education requirements for Professional Engineers is available).

Dessert – Sponsored by Barr Engineering

Cost: Paid 2012-2013 MGS Members receive a \$5 meeting discount on the meal costs listed above.
The cost to Full-time students is \$5, payable to MGS at the door.

Reservations: Requested by Noon, Friday, May 3rd, 2013
Please register via the website at <http://www.mngeotechnicalsociety.com/eventsmpl.asp>.

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