



2013 - 2014

April Meeting Notice

Minnesota Geotechnical Society

State Trunk Highway 55/62 Interchange, Geosynthetic Liner System and Performance Monitoring

Brian Albrecht, P.E. – Short Elliott Hendrickson

Reconstruction of the State Trunk Highway 55/62 interchange adjacent to the Minneapolis St. Paul International Airport required lowering the surface of TH 62 below the existing groundwater table to provide adequate vertical clearance under the proposed TH 55 overpass. A change in state law, that occurred after construction had already commenced, resulted in a need to redesign the interchange so TH 62 could be constructed without permanent dewatering to maintain the water table below the surface of the road. The redesign utilized a geomembrane/geosynthetic clay liner system to create a water resistant barrier under the roadway. Uplift protection for the road and liner was provided by the weight of the road and a two stage pressure relief system. The presentation will cover the design and construction of the liner system, and the results of 30 months of post construction performance monitoring.

Date: Wednesday, April 09, 2014

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

Time: 6:00 Social Hour and Dessert – Sponsored by Soil Engineering Testing

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 - Two char-grilled pork chops stuffed with golden raisins, cornbread and apples – \$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 – Brian Albrecht, P.E. – Short Elliott Hendrickson
(One professional development hour toward continuing education requirements for Professional Engineers is available).

Cost: Paid 2013-2014 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 12 Noon, Friday, April 4, 2014
Please register via the website at http://www.mngeotechnicalsociety.com/eventsmpls.asp.
Please print, fill out and bring the New Membership Application to the next meeting. The form is at: http://www.mngeotechnicalsociety.com/aboutmembership.asp

Table with 8 columns: President, Vice President, Secretary, Treasurer, Program Chair, ASCE Chair, Past President, Duluth Representative. Rows include names and phone numbers for each position.