



# 2004-2005

## *November/December Meeting Notice*

# Minnesota Geotechnical Society (Duluth)

## Rock Foundation Issues

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Rock foundations are a common foundation system for the Duluth area, as well as many parts of Northern Minnesota, Wisconsin, and Michigan. While rock foundation systems are generally capable of supporting large loads, considerations must be taken during project planning, design, and construction to ensure proper function. This discussion is a review of common issues which must be considered during exploration, planning, design, and construction of rock foundation systems. A short list of items to be discussed:

- Determination of “top of rock”, weathered zone, rock quality, and fracture patterns
- Method of excavation – excavator, ripper, hydraulic rock hammer, blasting
- Rock drainage and frost potential
- On site rock testing and inspection
- Levelness, smoothness, suitability, cleanliness, and suitability for foundation members

**Date:** Tuesday, November 30, 2004

**Location:** Grandma’s Saloon & Grill – Sand Bar Room  
522 Lake Avenue South  
Duluth, MN

**Time: 12:00** Lunch – Your choice of:

1. California Chicken – a broiled breast of chicken topped with lettuce, tomato and mayonnaise. Served with a fresh old-fashioned roll with dill pickles and crispy french fries.
2. American Classic Burger – A 1/3 pound all-beef hamburger topped with grilled onions and American cheese, served on an old-fashioned roll with pickles, lettuce, and tomato and crispy french fries.
3. Marathon Spaghetti –Italian spaghetti featuring our zesty meat and tomato sauce. Served with a freshly baked Italian breadstick. Also available with vegetarian marinara.
4. Chicken Caesar Salad – A grilled chicken breast, julienned and served over a bed of crisp romaine lettuce, tossed with our classic Caesar dressing. Topped with garlic croutons and grated parmesan cheese. Served with a freshly baked Italian breadstick.

**12:30** Introduction to the Minnesota Geotechnical Society – Robert Martin - President

**12:45** Presentation – Stan Vitton, Michigan Technological University  
Travis Davidsavor, American Engineering Testing, Inc.

(One professional development hour toward continuing education requirements for Professional Engineers is available).

**Cost:** \$20.00 members, \$20.00 non-members, and \$5.00 Full-time students, payable to MGS at the door.

**Reservations:** Requested by 12 PM, Wednesday, November 24<sup>th</sup>, 2004.

Please call Travis Davidsavor to indicate your lunch selection at (218) 628-1518, fax: (218) 628-1580 or email: [tdavidsavor@amengtest.com](mailto:tdavidsavor@amengtest.com)

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