



2005-2006

February Meeting Notice

Minnesota Geotechnical Society and American Society of Civil Engineers

Load Resistance Factor Design (LRFD) for Geotechnical Transportation Features

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This presentation examines the history, current status, and suggested implementation needs of the structural and geotechnical design communities for Load Resistance Factor Design (LRFD) of Geotechnical features on United States Transportation projects. The American Association of State Highway and Transportation Officials (AASHTO) and the Federal Highway Administration (FHWA) have established an October, 2007 deadline for a transition of all new highway structure designs to be undertaken following LRFD design principles. This change in design platform provides many direct and indirect advantages to designers and project owners as compared to traditional methods of allowable stress design (ASD), and load factor design (LFD). The design of Geotechnical Transportation features (shallow and deep foundations, earth retaining structures, earthworks, and culverts) present unique technical and communication issues and considerations that must be addressed by public and private sector designers for a successful and smooth transition to LRFD.

In addition to these “real” factors, misinformation and the natural human resistance to major changes of behavior have influenced the perceptions and opinions of many regarding the benefits, complexity, needs related to this change.

The presentation is based on the author’s approximately 10 years of experience working with LRFD designs, the evolution of the AASHTO LRFD Specifications, and serving as FHWA’s technical program manager for the development of a recently completed (June 2005) training course on LRFD for Highway Substructures.

Date: Thursday, February 16, 2006

Location: Continuing Education and Conference Center (formerly Earle Brown Continuing Education Center)
1890 Buford Avenue, on the St. Paul Campus of the University of Minnesota. [Directions](#)

Time: 6:00 Social Hour Sponsored by Hayward Baker, Inc.

7:00 Dinner – Buffet style

8:00 Presentation – Jerry A. DiMaggio, P.E., Principal Geotechnical Engineer

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

Cost: \$25.00 members, \$30.00 non-members, and \$5.00 full-time students, payable to MGS at the door.

Reservations: Requested by 12 Noon, Friday, February 10, 2006.

Please register via the website at <http://www.mngeotechnicalsociety.com/eventsmpls.asp> or call Greg Norris. Greg may be reached by phone: (763) 428-2242, fax: (763) 428-8348 or email: gnorris@veitcompanies.com

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