



Til medlemmene

Oslo, 27 oktober 2004

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MEDLEMSBREV NR. 6, 2004

1 Medlemsmøte 1 november 2004

Se vedlagt invitasjon.

2 Presentasjon av Bengt H. Fellenius

NGI inviterer NGFs medlemmer til en presentasjon av ”*Static Loading Test at Pend Oreille, Sandpoint, Idaho*” ved Bengt H. Fellenius, se vedlagt abstrakt. Møte holdes:

Mandag 15 november 2004, kl. 15.30 på NGI, Sognsveien 72, Oslo.

3 Geoteknikkdagen

Invitasjon til Geoteknikkdagen sendes direkte ut fra Tekna. Savner du en invitasjon så ta kontakt med Siri Engen på tlf.: 22 94 75 00.

4 3rd International YGEC – påminnelse!

Informasjon finnes på: www.issmge.org

NGF kan foreslå to deltakere. Om noen er interessert, vennligst ta kontakt med NGFs sekretariat på: ngf@ngi.no

5 Møter i de nordiske foreninger

Sjekk følgende internettsider:

www.sgf.net

www.danskgeotekniskforening.dk

www.sgy.fi

www.norskgeotekniskforening.no



6 Kurs og konferanser

NGFs sekretær har mer informasjon om følgende kurs/konferanser, nyhetene er skrevet med **uthevet skrift**.

- Pålggründläggning, principer för dimensionering, 10 november 2004, Stockholm, www.swedgeo.se
- Geoteknisk forskardag, 17 november 2004, Lindköping, www.swedgeo.se
- International Seminar on Geotechnics in Pavement and Railway Design and Construction, 16-17 December 2004, Athens, Hellas, www.geoforum.com/tc3
- Geo-Frontiers 2005, 24-26 januar 2005, Austin, Texas, USA, www.asce.org/conferences/geofrontiers05/index.cfm
- Baltic Geotechnics X, 2005, Geotechnical Engineering for Harbours, Onshore and Near Store Structures, 11-13 May 2005, Riga, Latvia, www.balticgeotechnics.lv
- International Conference on Problematic Soils, GEOPROB 2005, 25-27 May 2005, Tyrkia, www.geoprob2005.org
- **International Conference on Soil-Structure Interaction: Calculation Methods and Engineering Practice, 26-28 May 2005, St. Petersburg, Russia, www.georec.spb.ru/ssi.htm**
- International Conference on Landslide Risk Management, 31 May – 3 June 2005, Vancouver, Canada, www.cgs.ca/2005ICLRM
- 5th International Symposium on Geotechnical Aspects of Underground Construction in Soft Ground, 15-17 June 2005, Amsterdam, Netherlands, www.tc28-amsterdam.org
- 11th International Conference of the International Association of Computer Methods and Advances in Geomechanics, 19-24 June 2005, Torino, Italy, www.iacmag2005.it
- **International Symposium on 50 years of Pressure Meters, 22-24 August 2005, Paris, France, <http://pfe.enpc.fr/web2003/dyn/html/45001.htm>**
- 11th International Conference and Field Trip on Landslides, 1-10 September 2005, Norway, www.ivt.ntnu.no/ICFL05
- 16th ICSMGE, 12-16 September 2005, Osaka, Japan, www.icsmge2005.org
- International Symposium Frontiers in Offshore Geotechnics, 19-21 September 2005, Perth, Austria, www.isfog.com
- International Symposium on Design, Construction and Operation of Long Tunnels, 7-10 November 2005, Taipei, Taiwan, longtunnel2005.taneeb.gov.tw
- **5th International Congress on Environmental Geotechnics, 26-30 June 2006, Cardiff, Wales, UK, www.grc.cf.ac.uk/5icceg/**
- 6th European Conference on Numerical Methods in Geotechnical Engineering, 6-8 September 2006, Graz, Austria

Med vennlig hilsen
for NORSK GEOTEKNISK FORENING

Geraldine Sørnum
Sekretær

Vedlegg

NGF-møte

Mandag 1 november 2004

HVORDAN FORHOLDE OSS TIL MEDIA OG JOURNALISTER?

Sted: NGI, Sognsveien 72, Oslo

Tid: 16.00

Program:

kl 16.00-16.30: *Paal Espen Hambre* fra Lynx Porter Novelli skal fortelle oss noe om:

- medias arbeidsmetoder
- hvordan en sak blir til
- nyhetskriterier i dag
- medias særegenheter
- mediehåndtering i praksis (proaktiv/reaktiv)

kl 16.30-17.00: Pause med enkel servering

kl 17.00-17.30: *Kjell Hauge*, informasjonssjef på NGI, skal fortelle om sine erfaringer, blant annet faglig formidling via media, og erfaringer med media i vanskelige og konfliktfylte saker

kl 17.30: Spørsmål/diskusjon

kl 18.00: Slutt

Vel møtt!

Static Loading Test at Pend Oreille, Sandpoint, Idaho

Bengt H. Fellenius, Dr.Tech., P.Eng.

The U.S. Highway 95 through Sandpoint, Idaho, is being realigned. The site is underlain by glaciolacustrine soil that includes very thick deposits of soft, sensitive clay to estimated depths of greater than 200 m, which means that the project requires piled foundations. The area of the proposed new highway corridor includes existing historic and commercial buildings, a railroad, sensitive environmental areas, and economically vital tourism/recreational assets. A critical factor throughout the design of the foundations was the need for controlling settlements to levels that could be tolerated by the bridges. The proximity of the piles to the existing structures and proposed new embankments also required careful consideration. The geotechnical analysis included evaluation of the potential effects of pile construction on the existing facilities and slopes, including vibrations and pore pressure increases, and, in particular, consideration for dragloads on the piles and downdrag.

A static loading test was carried out on an instrumented, concrete-filled, 0.41 m diameter, closed-toe, pipe pile driven to a depth of 45 m below the ground surface. The instrumentation consisted of vibrating wire strain gages placed at 8 locations within the pile and also included two telltales. Vibrating wire pore pressure gages were installed approximately 1.2 m away from the test pile.

The presentation will focus on the results of the instrumented static loading test. The analysis of the test data included the evaluation of residual load. The results were related to effective stress analysis as well as direct CPTU methods and total stress analysis.

The planning, execution, and analysis of the static loading test was in collaboration with Donald .G. Anderson and Dean E. Harris of CH2M Hill.

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The presentation will focus on the results and analysis of a static loading test on an instrumented 45m long pile, including evaluation of residual load, aspects of effective stress analysis, direct CPTU methods, and total stress analysis for the design of a highway bridge considering dragload and downdrag in Sandpoint for Idaho Department of Transportation.