
**JOINT
BRITISH GEOTECHNICAL ASSOCIATION
&
BRITISH TUNNELLING SOCIETY**

**INFORMAL DISCUSSION
WEDNESDAY 8 September 2004 AT 6.00PM**

at
The Institution of Civil Engineers,
One Great George St, Westminster London SW1P 3AA

Geotechnical Aspects of the Dublin Port Tunnel

Presented by:

**Tim Brick: Dublin City Council
Paul Nowak: Kellogg, Brown & Root
Chris Menkiti: Geotechnical Consulting Group**

The 5.6 kilometre long Dublin Port Tunnel scheme has been under construction since May 2001 and is the largest infrastructure project under construction in Ireland. The construction works are predominantly in Black Boulder Clay and Carboniferous Limestone which is overlain by Made Ground and Marine Deposits in the southern section of the scheme.

The central 2.7 kilometre section is being constructed using Eleven metre diameter Tunnel Boring Machines. The remaining lengths are being built as cut and cover tunnel or at grade.

The presentation deals with the geotechnical aspects of design and construction outside the main bored tunnel section, including the cut and cover sections in diaphragm walling and soil nailed slopes, the crossing beneath the Dublin to Dundalk railway line, and the construction of the surface sections on Made Ground.