



## BRITISH TUNNELLING SOCIETY

Thursday 17<sup>th</sup> May 2017 at 6.15pm

TELFORD THEATRE  
INSTITUTION OF CIVIL ENGINEERS  
ONE GREAT GEORGE STREET, WESTMINSTER, LONDON SW1P 3AA

**BTS Annual General Meeting, followed by:**

### **Joint BTS/BGA Presentation**

## **Crossrail's Experience of Geotechnical Baseline Reports – A Client's Perspective**

**Speakers:**

**John Davis** EurGeol BSc (Hons) MSc CGeol CSci FGS

**Mike Black** BSc (Hons) MSc CGeol CSci FGS



### **Synopsis**

The presentation sets out to record Crossrail's experience of GBRs from the client's perspective.

It covers why Crossrail adopted GBRs, where they were adopted and summarises how they were adopted.

A semi quantitative assessment of the performance of the GBRs is then presented along with an analysis of the types of encounter that gave rise to successful compensation events.

The presentation closes with a subjective view on whether the GBRs were a success and some thoughts on who is best placed to write them.

**This is a free event - advance booking not required**

**Tea and biscuits will be available at 5:30pm**

In case of any query please contact; [societyevents@ice.org.uk](mailto:societyevents@ice.org.uk)

or e-mail: [bts@ice.org.uk](mailto:bts@ice.org.uk)

or visit: [www.britishtunnelling.org.uk](http://www.britishtunnelling.org.uk)

### Biographies

#### **John Davis EurGeol BSc (Hons) MSc CGeol CSci FGS**



John is an engineering geologist who has been working in geotechnics since the mid 1980's, mostly as a consultant and designer but with periods working for contractors as well. About a third of that time has been spent working on tunnelling projects.

In the mid 90's John was seconded in to London Underground for a couple of years to run a research project into the impact of rising groundwater on LU infrastructure.

For most of the last 10 years John has worked almost exclusively on Crossrail where he was seconded into the Chief Engineer's Group. During this time he was closely involved in the production of all the Crossrail GBRs.

When Crossrail construction started he had an overview role for any 'in-ground' issues that arose east of Farringdon, this often included assisting individual project teams in assessing GBR related compensation events. John is a Partner at Geotechnical Consulting Group where he has worked for the last 10 years

#### **Mike Black BSc (Hons) MSc CGeol CSci FGS**



Mike is a Principal Geotechnical Engineer with 30 years' experience primarily spent in the tunnelling industry on projects that include the Channel Tunnel, Jubilee Line Extension and Crossrail. He is currently with Transport for London working on a number of TfL projects including Crossrail 2. During his 20+ years on Crossrail, where he held the role of Head of Geotechnics, he was involved in

all stages of its development, from early feasibility design, the passage of the Hybrid Bill through Parliament, detailed design and ultimately construction. Mike held technical authority for all geotechnical matters on Crossrail and his responsibilities included the design and procurement of Crossrail's ground investigations, defining the geotechnical requirements and standards during design as well as geotechnical oversight and support during construction.

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