

TECHNICAL COMMITTEE REPORT FOR PRESENTATION AT THE QUARTERLY MEETING ON 19th July 2018

Date of Reported Meeting: 24th May 2018

Date of Next Meeting: 13th September 2018

LDSA Guidance Note

Previously Stuart Pennington presented the updates to the LDSA (London District Surveyors Association) guidance for the design for the design of straight shafted bored piles in London clay. The Chair agreed to respond to Stuart Pennington and Dinesh Patel to consider a revision incorporating comments from members of the Committee.

Guidance on Minimum SI Requirements

Following the presentation on the LDSA Guidance note it was noted the Committee need to pursue developing a Minimum Standard for Site Investigation for piling, as a key focus for 2018. Derek Egan has drafted a remit for the GI working group to review guidance and to re-run a survey originally produced in 2008, to get a clear opinion on quality of site investigation and see what change has occurred in the past 10 years.

Load Cases

There is a significant issue in the way pile load cases are being presented to piling sub-contractors; causing confusion and errors in the way piles schemes are designed. It proposes standardised terminology and recommends the FPS E-Pile Schedule. This now carries worked up examples of how to use it to aid uptake by structural engineers. It is also hoped that this can be integrated into the software used by structural engineers. It was agreed to be taken to the Executive for approval; then the Technical Committee will start looking at how to publicise it.

Sonic Testing vs Tip Testing

A small working group has been working on a document that compares sonic testing and thermal integrity profile testing and other testing methods. It covers the positives and negatives of each technique. The Technical Committee ultimately concluded that it was not viable to replace sonic cross hole logging with TIP testing. It was reviewed by the Safety & Training Committee, who have confirmed they are happy with the document. To be published subject to Quarterly approval.

Update of Codes

It was noted Chris Raison will present to the Technical Committee on the revision of EN1997-3 Clause 6 Pile Design. The FPS are being asked to input to its revision, members volunteered and will convene a meeting.

It was noted Jet Grouting is coming out for comment and will be sent to Committee members when received.

Building Information Management

Previously the possibility of creating a Geotechnical Data Transfer for piling as part of the AGS data format was presented. Previously it was agreed the FPS should be wary of taking on management and ownership of this, as it can be time consuming and highly complicated, the scope is too big for the Technical Committee, however HS2 have been approached to support this, it was noted HS2 have shown significant interest. When feedback from HS2 is received, the Chair will advise Neil Chadwick.

Rig Bearing Pressure Spreadsheets

Training has been organised with Derek Egan for 19th September in Derby and 11th December in London.

EFFC Tremie Concrete Guide 2nd Edition

It was noted the EFFC Tremie Concrete Guide 2nd Edition would be launched at the DFI Conference in Rome taking place in June 2018.