Discussion

Measurement of temporary prop loads at Mayfair car park

D. J. Richards, G. Holmes and D. R. Beadman

S. P. Marchard

A most interesting paper expanding our knowledge on this subject. Perhaps I can add a little from my experience of ascertaining strut temperatures, which is even more difficult than it appears in the paper. The surface temperature of the steel exposed to direct sunlight varies rapidly in the event of clouds passing across the sun. The temperature gradient between sun and shade occurs over approximately 50 mm, and where the temperatures were measured on the topside and

underside of the top flange of an I section, the underside was at shade temperature. It would be useful to know the temperatures on the inside of a tubular section. It is possible that we may in fact be overestimating the average temperature rise.

Could the authors advise us of the type of analysis and soil parameters used to arrive at the design loads, and of the cost of the monitoring operation (including or excluding staff time in analysing the results).

INDEX OF ADVERTISERS

Keller Ground Engineering	Inside front cover
Ashdown Site Investigation Ltd	277
Scott Wilson	277
Rock & Alluvium Ltd	277
STATS Ground Engineering Division	277
G-TEC	278
Keller Grand Engineering	278
ABG Geosynthetics Ltd	278
Geotechnical Developments Ltd	278
Bachy Soletanche	Inside back cover