



Handbook of Geotechnical Investigation and Design Tables: Second Edition

By *Burt G. Look*

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This practical handbook of properties for soils and rock contains in a concise tabular format the key issues relevant to geotechnical investigations, assessments and designs in common practice. There are brief notes on the application of the tables. These data tables are compiled for experienced geotechnical professionals who require a reference document to access key information. There is an extensive database of correlations for different applications. The book should provide a useful bridge between soil and rock mechanics theory and its application to practical engineering solutions.

The initial chapters deal with the planning of the geotechnical investigation and the classification of the soil and rock properties, after which some of the more used testing is covered. Later chapters show the reliability and correlations that are used to convert that data in the interpretative and assessment phase of the project. The final chapters apply some of these concepts to geotechnical design. The emphasis throughout is on application to practice.

This book is intended primarily for practicing geotechnical engineers working in investigation, assessment and design, but should provide a useful supplement for postgraduate courses. It evolved from the need to have a "go to" reference book which has both breadth and depth of information to apply immediately to projects. To keep to a handbook size one has to compress/restrict details to a few key bullet points – but a comprehensive reference list provides the "appendix" for additional information if required. This 2nd edition keeps to that format but contains updated information and adjustments that take into account feedback received since initial publication.

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