



Soil Testing Manual: Procedures, Classification Data, and Sampling Practices

By Robert W. Day

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The essential tool for geotechnical and soil engineering fieldwork

Written by AIA award-winning civil engineer Robert Day, Soil Testing Manual gives engineers, geologists, contractors, on-site construction managers -- anyone who needs answers on the characteristics of soil -- a convenient, complete source of today's most authoritative solutions. This reader-friendly guide simplifies each step of every process, from selecting appropriate methods to analyzing your results. Filled with handy tables, charts, diagrams, and formulas that eliminate time-wasting and frustrating searches and calculations, this manual gives you better results in less time as you:

Get expert approaches to testing altered and disturbed soils

Set up a mobile field lab with complete directions

Use rip-out sheets for on-site reference and checks

Get quick access to data on grading, instrumentation, technical methods, procedure guidelines, and preferred practices

Draw authoritative conclusions on fill compaction

Measure cohesiveness, shear strength, settlement, permeability, and other critical parameters

Construct a subsoil profile

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Editorial Review

Review

"Robert O. Parmley, "I have reviewed the preliminary text material and found the writing style to be clear, well organized, well phrased and technically sound. The author has prepared good tables, charts, and guidelines for users.

From the Back Cover

Authoritative, Up-to-Date, Practical, and Necessary This reader-friendly guide puts every bit of current information you need on soil testing right where you want it. Expert engineer Robert W. Day's affordable Soil Testing Manual simplifies each step of every process, from selecting appropriate methods to analyzing your results. Filled with handy tables, charts, diagrams, and formulas that eliminate time-wasting and frustrating searches and calculations, this right-on-time manual is the new essential in all types of geotechnical and soil engineering fieldwork Better results in less time *Understand and apply soil classification systems *Get expert approaches to testing altered and disturbed soils *Set up a mobile field lab with complete directions *Use rip-out sheets for on-site reference and checks *Get quick access to data on grading, instrumentation, technical methods, procedure guidelines, and preferred practices *Draw authoritative conclusions on fill compaction *Measure cohesiveness, shear strength, settlement, permeability, and other critical parameters *Construct a subsoil profile *Follow ASTM standards *Find SI/US Customary units throughout Written by an American Institute of Architects award-winning civil engineer, Soil Testing Manual brings engineers, geologists, contractors, on-site construction managers, and anyone who needs answers on the characteristics of soil a convenient and complete source of today's most authoritative solutions. Best of all, you can add this comprehensive and practical resource to your arsenal for a very reasonable price.

About the Author

Robert W. Day, is a leading geotechnical engineer and the Chief Engineer at American Geotechnical. The author of over 200 published technical papers and three textbooks (Forensic Geotechnical and Foundation Engineering, Geotechnical and Foundation Engineering: Design and Construction, and Geotechnical Engineer's Portable Handbook), he serves on advisory committees for several professional associations, including ASCE, ASTM, and NCEES. He holds four college degrees: two from Villanova University (bachelor's and master's degrees majoring in structural engineering), and two from the Massachusetts Institute of Technology (master's and the Civil Engineer degree [highest degree] majoring in geotechnical engineering). He is also a registered civil engineer in several states and a registered geotechnical engineer in California.

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