



Geotechnical Engineer's Portable Handbook

By Robert Day



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One-volume library of instant geotechnical and foundation data Now for the first time ever, geotechnical, foundation, and civil engineers...geologists...architects, planners, and construction managers can quickly find information they must refer to every working day, in one compact source. Edited by Robert W. Day, the time-and effort-saving Geotechnical Engineer's Portable Handbook gives you field exploration guidelines and lab procedures. You'll find soil and rock classification, basic phase relationships, and all the tables and charts you need for stress distribution, pavement, and pipeline design. You also get abundant information on all types of geotechnical analyses, including settlement, bearing capacity, expansive soil, slope stability - plus coverage of retaining walls and building foundations. Other construction-related topics covered include grading, instrumentation, excavation, underpinning, groundwater control and more.

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Geotechnical Engineer's Portable Handbook By Robert Day Bibliography

- Sales Rank: #171213 in Books
- Published on: 1999-11-11
- Original language: English
- Number of items: 1
- Dimensions: 8.00" h x 1.40" w x 5.20" l, 1.73 pounds
- Binding: Paperback
- 560 pages

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Editorial Review

From the Back Cover

Instant, project-ready geotechnical answers

The latest in McGraw-Hill's popular **Portable Handbook** series, this is the first quick-reference book on geotechnical engineering and construction-related topics. Filled with vital, ready-to-implement geotechnical data, formulas, and guidelines that you can flip to at a moment's notice, the comprehensive, yet pocket-sized *Geotechnical Engineer's Portable Handbook* features:

- * Field exploration guidelines, soil and rock classifications, and percolation and lab test procedures
- * Basic phase relationships and stress distribution tables and charts
- * Clear analysis guidelines for settlement, bearing capacity, expansive soil, slope stability, earthquake, erosion control, and deterioration from other causes
- * Quick access to essential design and construction data for foundations and retaining walls
- * Easy-to-use data on grading, instrumentation, excavation, underpinning, groundwater control, and geosynthetics
- * Pavement and pipeline design charts

Written by an AIA award-winning civil engineer, the *Geotechnical Engineer's Portable Handbook* adds up to a complete set of research-reducing tools for civil engineers, construction personnel, and architects. It's the most convenient source of information you need on the job every day, for projects large and small.

About the Author

Robert W. Day (San Diego, CA) has published over 200 papers, as is currently active on various committees with ASCE, ASTM, Transportation Research Board, and received a design award from AIA. After completing his Bachelors and Masters degrees in Civil Engineering at Villanova specializing in Structural Engineering, he completed his masters in Civil Engineering and Engineer Degree at MIT.

Users Review

From reader reviews:

Maurice Miller:

This Geotechnical Engineer's Portable Handbook are generally reliable for you who want to certainly be a successful person, why. The key reason why of this Geotechnical Engineer's Portable Handbook can be among the great books you must have will be giving you more than just simple reading food but feed you with information that might be will shock your preceding knowledge. This book is handy, you can bring it almost everywhere and whenever your conditions throughout the e-book and printed people. Beside that this Geotechnical Engineer's Portable Handbook forcing you to have an enormous of experience including rich vocabulary, giving you trial of critical thinking that we understand it useful in your day task. So , let's have it and enjoy reading.

William Duhon:

A lot of people always spent their particular free time to vacation as well as go to the outside with them friends and family or their friend. Do you know? Many a lot of people spent they free time just watching TV, as well as playing video games all day long. In order to try to find a new activity that's look different you can read a book. It is really fun for yourself. If you enjoy the book which you read you can spent all day long to reading a book. The book Geotechnical Engineer's Portable Handbook it doesn't matter what good to read. There are a lot of people that recommended this book. These people were enjoying reading this book. In the event you did not have enough space bringing this book you can buy typically the e-book. You can m0ore effortlessly to read this book from your smart phone. The price is not too costly but this book has high quality.

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