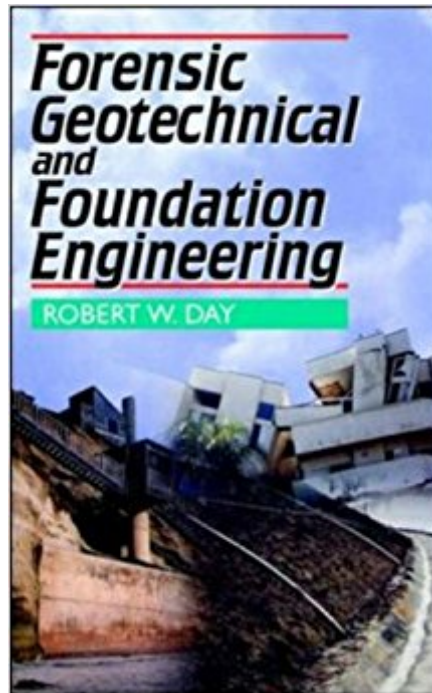




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Forensic Geotechnical And Foundation Engineering



Synopsis

Learn how to conduct a professional forensic geotechnical and foundation investigation. Clearly written and easy to use, this authoritative book shows you step-by-step how to: INVESTIGATE damage, deterioration, or collapse in a structure. EVALUATE problems caused by settlement, expansive soil, slope movement, moisture intrusion, and more. INVESTIGATE damage from earthquakes and other natural causes. DETERMINE what caused the damage. DEVELOP repair recommendations. PREPARE files and reports. AVOID civil liability. No matter what caused the structural damage, this book will help you pinpoint it and, if necessary, suggest a remedy. With advice on all aspects of the process, from accepting the assignment to testifying compellingly, this book is your all-in-one guide to geotechnical and foundation investigations in forensic engineering.

Book Information

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Customer Reviews

Why did the building collapse? What caused cracking in the bridge supports? Who's responsible for the sideways settling of the shopping mall? These are the types of questions forensics engineers answer, often as expert witnesses in legal procedures. Clearly written and easy to use, this authoritative book shows you how to conduct a professional forensic geotechnical and foundation investigation. Written by a leading forensic engineer and packed with interesting case studies, it shows you step-by-step how to: INVESTIGATE damage, deterioration, or collapse in a structure. EVALUATE problems caused by settlement, expansive soil, slope movement, moisture intrusion, and more. INVESTIGATE damage from earthquakes and other natural causes. DETERMINE what

caused the damage. DEVELOP repair recommendations. PREPARE files and reports. AVOID civil liability. Sulfate attack, dam failure, tree roots, decomposition of organic matter, or any other factor--no matter what caused the structural damage, this book will help you pinpoint it and, if necessary, suggest a remedy. With advice on all aspects of the process, from accepting the assignment to testifying compellingly, this book is your all-in-one guide to geotechnical and foundation investigations in forensic engineering.

Robert W. Day is a leading forensic engineer and the chief engineer at American Geotechnical in San Diego, California. The author of over 200 published technical papers, he serves on advisory committees for several professional associations, including ASCE, ASTM, and NCEES. He holds both bachelor's and master's degrees in structural engineering from Villanova University and a master's in civil engineering and a civil engineer degree from the Massachusetts Institute of Technology.

Great introduction to forensic geotechnical engineering. I appreciated that Mr. Day included many photographs and diagrams to go along with the many case studies discussed. The book doesn't go into great detail about exact calculations for failures, it is not a text book or how to type cookbook, but it does discuss many types of failures and provides a lot of perspective on the causes of failures, indications and methods of remediation. I am a practicing Structural Engineer, not a geotechnical engineer, but I do work on foundation designs and repairs and found this book quite informative.

Bought it used but it was like new. Good for architects and civil/structural engineers like me that don't already have a lot of knowledge about foundation problems, and for geotechnical/soils engineers with an interest in forensics. Good for me but probably a little light for geotechnical engineers that already have a lot of experience. A lot of good stuff in this book, five stars would have been for a larger book with more of the same in greater depth.

Good general knowledge with some good schematics and case studies.

great reference book

Dissapointing. Basic information for simple cases. I really thought this book was in a higher level.

Very detailed discussions on soils and foundation related items. A great addition to any collection and a valuable reference book.

This is great reference book. The information is presented in a logical and concise format but with the detail and depth needed to enable the reader to make an educated evaluation. This book covers all the fine points of a forensic investigation from administration to data collection to final report. A must have in any forensic or geotechnical office. Highly recommended.

Very well. good memory. a gift to my brother , just fine. Amazing customer service and a great product.

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