SERIES IN SOIL ENGINEERING

Edited by

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BOOKS IN SERIES:
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Soil Mechanics by T. William Lambe and Robert V. Whitman, 1968
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Fundamentals of Soil Behavior by James K. Mitchell, 1976
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The aim of this series is to present the modern concepts of soil engineering, which is the science and technology of soils and their application to problems in civil engineering. The word "soil" is interpreted broadly to include all earth materials whose properties and behavior influence civil engineering construction.

Soil engineering is founded upon many basic disciplines: mechanics and dynamics; physical geology and engineering geology; clay mineralogy and colloidal chemistry; and mechanics of granular systems and fluid mechanics. Principles from these basic disciplines are backed by experimental evidence from laboratory and field investigations and from observations on actual structures. Judgment derived from experience and engineering economics are central to soil engineering.

The books in this series are intended primarily for use in university courses, at both the undergraduate and graduate levels. The editors also expect that all of the books will serve as valuable reference material for practicing engineers.

T. William Lambe and Robert V. Whitman

Fundamentals of Soil Behavior

James K. Mitchell

University of California, Berkeley

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