

## SERIES IN SOIL ENGINEERING

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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

1976

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SECRET

CHAPTER 1	Introduction	1
1.1	<i>Civil Engineering, Geotechnical Engineering, and Soil Behavior, Perspective</i>	1
1.2	<i>Scope and Organization</i>	2

## PART I     *The Nature of Soils*

CHAPTER 2	Bonding, Crystal Structure, and Surface Characteristics	7
2.1	<i>Introduction</i>	7
2.2	<i>Atomic Structure</i>	7
2.3	<i>Interatomic Bonding</i>	10
2.4	<i>Secondary Bonds</i>	11
2.5	<i>Crystals and Their Properties</i>	13
2.6	<i>Crystal Notation</i>	15
2.7	<i>Factors Controlling Crystal Structure</i>	18
2.8	<i>Silicate Crystals</i>	21
2.9	<i>Surfaces</i>	22
2.10	<i>Practical Implications</i>	23
	<i>Suggestions for Further Study</i>	23
CHAPTER 3	Soil Mineralogy	24
3.1	<i>Introduction</i>	24
3.2	<i>Nonclay Minerals in Soils</i>	25

3.3	<i>Structural Units of the Layer Silicates</i>	27
3.4	<i>Classification of Clay Minerals</i>	31
3.5	<i>Intersheet and Interlayer Bonding in the Clay Minerals</i>	32
3.6	<i>The 1 : 1 Minerals</i>	33
3.7	<i>The Smectite Minerals</i>	36
3.8	<i>The Mica-like Clay Minerals</i>	39
3.9	<i>The Chlorite Minerals</i>	42
3.10	<i>Chain Structure Clay Minerals</i>	42
3.11	<i>Summary of Clay Mineral Characteristics</i>	42
3.12	<i>Mixed Layer Clays</i>	43
3.13	<i>Noncrystalline Clay Materials</i>	43
3.14	<i>Origin of Clay Minerals</i>	43
3.15	<i>Practical Implications</i>	43
	<i>Suggestions for Further Study</i>	46
CHAPTER 4	<i>Soil Formation and Soil Deposits</i>	47
4.1	<i>Introduction</i>	47
4.2	<i>The Geologic Cycle</i>	47
4.3	<i>The Earth's Crust</i>	48
4.4	<i>Rock and Mineral Stability</i>	48
4.5	<i>Weathering</i>	49
4.6	<i>Clay Genesis by Weathering</i>	53
4.7	<i>Soil Profiles and Their Development</i>	54
4.8	<i>Surficial Soils</i>	54
4.9	<i>Great Soil Groups</i>	57
4.10	<i>Sediment Erosion, Transport, and Deposition</i>	60
4.11	<i>Alluvial Deposits</i>	68

	CONTENTS	xi
4.12	<i>Aeolian Deposits</i>	69
4.13	<i>Glacial Deposits</i>	69
4.14	<i>Marine Sediments</i>	73
4.15	<i>Chemical and Biological Deposits</i>	75
4.16	<i>Collapsing Soils</i>	76
4.17	<i>Postdepositional Changes in Sediments</i>	79
4.18	<i>Practical Implications</i>	83
	<i>Suggestions for Further Study</i>	83
CHAPTER 5	Determination of Soil Composition	84
5.1	<i>Introduction</i>	84
5.2	<i>Methods for Compositional Analysis</i>	84
5.3	<i>Accuracy of Compositional Analysis</i>	84
5.4	<i>General Scheme for Compositional Analysis</i>	85
5.5	<i>X-Ray Diffraction Analysis</i>	87
5.6	<i>Differential Thermal Analysis</i>	92
5.7	<i>Optical Microscope Studies of Soil</i>	95
5.8	<i>Electron Microscopy</i>	95
5.9	<i>Quantitative Estimation of Soil Components</i>	97
5.10	<i>Nature of Soil Fines</i>	98
	<i>Suggestions for Further Study</i>	99
CHAPTER 6	Soil Water	100
6.1	<i>Introduction</i>	100
6.2	<i>The Nature of Ice and Water</i>	100

6.3	<i>The Influence of Dissolved Ions</i>	102
6.4	<i>Possible Mechanisms of Soil-Water Interaction</i>	104
6.5	<i>Evidence on the Structure and Properties of Adsorbed Water</i>	104
6.6	<i>Summary and Conclusions</i>	109
6.7	<i>Practical Implications</i>	110
	<i>Suggestions for Further Study</i>	111
CHAPTER 7	Clay-Water-Electrolyte System	112
7.1	<i>Introduction</i>	112
7.2	<i>Ion Distributions in Clay-Water Systems</i>	112
7.3	<i>Double Layer Equations</i>	113
7.4	<i>Influences of System Variables on the Double Layer According to the Gouy Theory</i>	118
7.5	<i>Shortcomings of Double Layer Theory and Additional Factors Influencing Behavior</i>	125
7.6	<i>Energy and Force of Repulsion</i>	127
7.7	<i>Long Range Attraction</i>	127
7.8	<i>Net Energy and Force of Interaction</i>	129
7.9	<i>Cation Exchange—General Considerations</i>	129
7.10	<i>Stability of Adsorbed Ion Complexes on Clays</i>	131
7.11	<i>Theories for Ion Exchange</i>	131
7.12	<i>Anion Exchange</i>	133
7.13	<i>Practical Implications</i>	134
	<i>Suggestions for Further Study</i>	134
CHAPTER 8	Soil Fabric and Its Measurement	135
8.1	<i>Introduction</i>	135
8.2	<i>Definitions of Fabrics and Fabric Elements</i>	135

	CONTENTS	xiii
8.3	<i>Single Grain Fabrics</i>	139
8.4	<i>Multigrain Fabrics</i>	146
8.5	<i>Fabric Determination in Fine-Grained Soils</i>	147
8.6	<i>Sample Preparation for Fabric Analysis</i>	151
8.7	<i>Fabric Study Using the Polarizing Microscope</i>	152
8.8	<i>Fabric Study Using the Electron Microscope</i>	156
8.9	<i>Fabric Study by X-Ray Diffraction</i>	158
8.10	<i>Applications of Transmission X-Ray (Radiography)</i>	161
8.11	<i>Pore Size Distribution Analysis</i>	161
8.12	<i>Indirect Methods for Fabric Characterization</i>	161
8.13	<i>Quantification of Fabric</i>	165
8.14	<i>Practical Applications</i>	166
	<i>Suggestions for Further Study</i>	166

## PART II      *Soil Behavior*

CHAPTER 9	Soil Composition and Engineering Properties	169
9.1	<i>Introduction</i>	169
9.2	<i>Approaches to the Study of Composition and Property Interrelationships</i>	169
9.3	<i>The Dominating Influence of the Clay Phase</i>	170
9.4	<i>Engineering Properties of the Clay Minerals</i>	171
9.5	<i>The Effects of Organic Matter</i>	175
9.6	<i>Atterberg Limits</i>	177
9.7	<i>Activity</i>	179
9.8	<i>Influences of Exchangeable Cations and pH</i>	181
9.9	<i>Shrinkage and Swelling</i>	182

	9.10	<i>Viscoelastic Behavior</i>	184
	9.11	<i>Practical Implications</i>	184
		<i>Suggestions for Further Study</i>	185
CHAPTER 10		Effective, Intergranular, and Total Stress	186
	10.1	<i>Introduction</i>	186
	10.2	<i>The Principle of Effective Stress</i>	186
	10.3	<i>Interparticle Forces</i>	187
	10.4	<i>Intergranular Pressure</i>	189
	10.5	<i>Water Pressures and Potentials</i>	191
	10.6	<i>Water Pressure Equilibrium in Soil</i>	192
	10.7	<i>Measurement of Pore Pressures in Soils</i>	193
	10.8	<i>Effective and Intergranular Pressure</i>	194
	10.9	<i>Assessment of Terzaghi's Equation</i>	195
	10.10	<i>Practical Applications</i>	195
		<i>Suggestions for Further Study</i>	196
CHAPTER 11		Soil Structure and Its Stability	197
	11.1	<i>Introduction</i>	197
	11.2	<i>Structure Development</i>	197
	11.3	<i>Sensitivity</i>	208
	11.4	<i>Causes of Sensitivity</i>	209
	11.5	<i>Tunneling Failures and Erosion</i>	218
	11.6	<i>Cation Exchange and Slope Stability</i>	221
		<i>Suggestions for Further Study</i>	221
CHAPTER 12		Fabric, Structure, and Property Relationships	222
	12.1	<i>Introduction</i>	222
	12.2	<i>Fabric-Property Interrelationships—Principles</i>	222

12.3	<i>Property Interrelationships in Sensitive Clays</i>	222
12.4	<i>Fabric and Property Anisotropy</i>	226
12.5	<i>Fabric, Structure, and Volume Change</i>	237
12.6	<i>Stress-Deformation and Strength Behavior</i>	240
12.7	<i>Fabric and Permeability</i>	244
12.8	<i>Practical Applications</i>	251
	<i>Suggestions for Further Study</i>	251
CHAPTER 13	Volume Change Behavior	253
13.1	<i>Introduction</i>	253
13.2	<i>General Relationships Between Soil Type, Pressure, and Void Ratio</i>	253
13.3	<i>Factors Controlling Resistance to Volume Change</i>	255
13.4	<i>Physical Interactions in Volume Change</i>	257
13.5	<i>Osmotic Pressure Concept of Volume Change</i>	260
13.6	<i>Application of Osmotic Pressure Concepts for Description of Volume Change Behavior of Soils</i>	266
13.7	<i>Importance of Mineralogical Detail in Soil Expansion</i>	269
13.8	<i>Preconsolidation Pressure and Secondary Compression</i>	272
13.9	<i>Temperature-Volume Relationships</i>	274
13.10	<i>Practical Applications</i>	281
	<i>Suggestions for Further Study</i>	282
CHAPTER 14	Strength and Deformation Behavior	283
14.1	<i>Introduction</i>	283
14.2	<i>General Characteristics</i>	283
14.3	<i>Soil Deformation as a Rate Process</i>	292
14.4	<i>Bonding, Effective Stresses, and Strength</i>	295

14.5	<i>Shearing Resistance as a Rate Process</i>	303
14.6	<i>Friction Between Solid Surfaces</i>	305
14.7	<i>Frictional Behavior of Minerals</i>	310
14.8	<i>Residual Strength</i>	313
14.9	<i>The Strength of Granular Soil</i>	316
14-10	<i>Cohesion</i>	319
14.11	<i>Creep and Stress Relaxation—General Considerations</i>	320
14.12	<i>Stress-Strain-Time Functions and Rheological Models</i>	327
14.13	<i>Creep Rupture</i>	333
14.14	<i>Conclusion</i>	338
	<i>Suggestions for Further Study</i>	338
CHAPTER 15	<i>Conduction Phenomena</i>	340
15.1	<i>Introduction</i>	340
15.2	<i>Flow Laws and Relationships</i>	340
15.3	<i>Hydraulic Conductivity</i>	345
15.4	<i>Electrokinetic Phenomena</i>	353
15.5	<i>Theories for Electro-Osmosis</i>	354
15.6	<i>Prediction of Electro-Osmosis Efficiency</i>	359
15.7	<i>Consolidation by Electro-Osmosis</i>	363
15.8	<i>Electrochemical Effects</i>	368
15.9	<i>Chemico-Osmotic Effects in Soils</i>	370
15.10	<i>Heat Flow Through Soil</i>	373
	<i>Suggestions for Further Study</i>	382
	<i>List of Symbols</i>	384
	<i>Bibliography</i>	387
	<i>Author Index</i>	409
	<i>Subject Index</i>	415

**FUNDAMENTALS OF  
SOIL BEHAVIOR**