## Table of contents

- 1 Introduction
- 2 Measurement of Moisture Content
- 3 Measurement of Specific Gravity of Soil Solids
- 4 Measurement of Liquid Limit and Plastic Limit
- 5 Analysis of Grain Size Distribution
- 6 Laboratory Classification of Soil
- 7 Field Classification of Soil
- 8 Laboratory Soil Compaction
- 9 Field Measurement of Dry Unit Weight and Moisture Content
- 10 Measurement of Hydraulic Conductivity of Granular Soil Using a Fixed-Wall Permeameter
- 11 One-Dimensional Consolidation Test of Cohesive Soil
- 12 Direct Shear Strength Test of Granular Soil
- 13 Unconfined Compressive Strength Test of Cohesive Soil
- 14 Unconsolidated-Undrained Triaxial Shear Strength Test of Cohesive Soil
- Appendix A Laboratory Data Sheets