

INTRODUCTION

The purpose of this manual is to provide a simple, practical guide for settlement studies. It is concerned with (1) settlement problems and building damage due to settlement, (2) methods of estimating settlements of shallow foundations on sand, (3) methods of estimating immediate, consolidation, and secondary compression settlements of shallow foundations on clay, (4) methods of estimating settlements of pile foundations, and (5) methods of eliminating, reducing, or coping with settlements.

The emphasis of this manual is on simple, routine procedures. It does not include advanced analysis procedures, nor does it deal with specialized problems such as settlements due to vibrations or wetting of collapsible soils. References are given to the sources of the material contained in the manual, to provide avenues for studies going beyond the scope of this manual