

# ENGINEERING ASPECTS OF SOIL EROSION, DISPERSIVE CLAYS AND LOESS

Proceedings of a Symposium sponsored by the  
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Edited by C.W. Lovell  
School of Civil Engineering,  
Purdue University,  
West Lafayette, Indiana  
and  
Richard L. Wiltshire,  
Bureau of Reclamation,  
Denver, Colorado

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## PREFACE

The prediction of susceptibility of earthen materials to erosion by subsurface or surface flow continues to challenge geotechnical engineers. This includes the special interaction with water demonstrated by dispersive clays. Unique problems are posed by the use of loessial materials, particularly in situ. Explanations of loess behavior are usually sought in terms of the soil fabric. This special publication contains papers that were presented at a one-day symposium, entitled "Engineering Aspects of Soil Erosion, Dispersive Clays and Loess", held at the National Convention of the American Society of Civil Engineers in Atlantic City, New Jersey, on April 29, 1987.

It is the current practice of the Geotechnical Engineering Division that each paper published in a special publication be reviewed for its content and quality. These special publications are intended to reinforce the programs presented at convention sessions or specialty conferences and to contain papers that are timely or controversial to some extent. Ordinarily the reviews are carried out within a three-month period. The standards of review are essentially those for the *ASCE Journal of Geotechnical Engineering*, but the exigencies of timeliness and the need to have the publication available at the convention preclude more than one cycle of editing and revision. Therefore, it should be recognized that there are some differences in purpose between contributions to the special publications and those in the *Journal*. In accordance with ASCE policy, all papers published in this volume are open for discussion in the *ASCE Journal of Geotechnical Engineering*, and they are eligible for ASCE awards. Reviews of papers published in this volume were conducted by the Geotechnical Engineering Division's Committee on Soil Properties in coordination with the Division Committee on Publications. The following committee members or cooperating persons from the general membership reviewed these papers:

Robert R. Carter	William H. Hightner
Eric C. Drum	Paul C. Knodel
Kenneth R. Demars	C. William Lovell
Edward W. Gray, Jr.	Richard L. Wiltshire

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## CONTENTS

The Use of Chemical Additives to Control the Erosive Behavior of Dispersed Clays Charles H. McElroy .....	1
Alum Treatment of Dispersive Clays in Oklahoma Norman L. Ryker .....	17
Susceptibility of Dispersive Clay at Grenada Dam, Mississippi, to Piping and Rainfall Erosion Edward Perry .....	30
Piping Susceptibility and Filter Criteria for Sands Frank C. Townsend, Jih-Min Shiau and T. J. Pietrus .....	46
Surface Erosion of Compacted Pure Clays Alaeddin Shaikh, James F. Ruff and Steve R. Abt .....	67
Piping Failure of a Non-Dispersive Clay Dam Dan A. Brown and Kenneth Kerick .....	79
Dispersive Testing and Its Influence on the Design of the Tucson Aqueduct— Central Arizona Project Richard L. McNearny* .....	86
Slope Stability in Loess Larry D. Cast, Theresa J. Casias, and Robert A. Baumgarten .....	98
Pore Structure of Loess Using Mercury Intrusion Porosimetry Alan J. Lutenecker and Robert T. Saber .....	115
Results of Research in Soil Sampling for In-Place Unit Weight Determinations in Loessial Soil Theresa J. Casias .....	129
Dynamic Characteristics of Intact Loess Zhi-Hui Wu, Ding-Yi Xie, Qu-Yao Li, Xan-Yao Chen and Dong-Yan Cai .....	148
<b>Subject Index</b> .....	167
<b>Author Index</b> .....	169

\*This paper was not orally presented.