

K 2205861
D 2205771
USC I
M-GTEC-332

2205861
2205771

BIBLIOTECA
★ OLIN

FOUNDATION Upgrading and Repair For Infrastructure Improvement

Proceedings of the Symposium sponsored by the
Deep Foundations Committee of the
Geotechnical Engineering Division of the
American Society of Civil Engineers
in conjunction with the ASCE Convention
in San Diego, California

October 23-26, 1995

Edited by William F. Kane and John M. Tehaney

Geotechnical Special Publication No. 50



Published by the
American Society of Civil Engineers
345 East 47th Street
New York, New York 10017-2398

CONTENTS

Introduction to Micropiles: An International Perspective	1
Bruce, D.A., DiMillio, A.F., and Juran, I.	1
Instrumentation and Measurements of a Type-A Insert Wall	27
Brown, D.A., and Wolosick, J.	27
Jet Grouting to Support Historic Buildings	42
Drooff, E.R., Furth, A.J., and Scarborough, J.A.	42
Foundation Repair Using Helical Screw Anchors	56
Carville, C.A., and Walton, R.W.	56
Design Considerations and Field Load Tests of a Helical Anchoring System for Foundation Renovation	76
Huang, F.-C., Mahmood, I., Joolazadeh, M., and Axten, G.W.	76
Buckling of Helical Anchors Used for Underpinning	89
Hoyt, R., Seider, G., Reese, L.C., and Wang, S.-T.	89
Subject Index	109
Author Index	111