



RESUME

ROBERT W. DAY

REGISTERED CIVIL AND GEOTECHNICAL ENGINEER
B.C.E., M.C.E., C.E., R.C.E., G.E.

EMPLOYMENT HISTORY

1984 - Present Principal Geotechnical Engineer
AMERICAN GEOTECHNICAL, INC.
(A California Corporation)

1983 - 1984 Lecturer in Civil Engineering
SAN DIEGO STATE UNIVERSITY
San Diego, California

1981 - 1982 Staff Engineer
SAN DIEGO SOILS ENGINEER
San Diego, California

1978 - 1981 Teaching and Research Assistant
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Cambridge, Massachusetts

1978 - 1978 Civil Engineer
SHELL OIL COMPANY
(Summer Program)

EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Cambridge, Massachusetts
Engineer Degree
Master of Science in Civil Engineering

VILLANOVA UNIVERSITY
Villanova, Pennsylvania
Master of Civil Engineering
Bachelor of Civil Engineering, Magna Cum Laude

PROFESSIONAL
REGISTRATIONS

State of California, Civil Engineer 34544
State of California, Geotechnical Engineer 2059
State of California, Environmental Assessor 4482

PROFESSIONAL
AFFILIATIONS

American Society of Civil Engineers
American Society for Testing and Materials
Tau Beta Pi Engineering Honor Society

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PUBLICATIONS

Foundation Engineering: Design and Construction with the 2006 International Building Code, Sponsored by the International Code Conference (ICC) and the American Society of Civil Engineers (ASCE), published by McGraw-Hill Book Company, 2006, published in Hardcopy and in the Digital Engineering Library (DEL), 1000pp.

Chapter 14 title “Foundations and Retaining Walls” in *Structural Condition Assessment*, Sponsored by American Society of Civil Engineers (ASCE) and Structural Engineering Institute (SEI), 2005, published by John Wiley and Sons, Inc., pp. 461-494.

Geotechnical Earthquake Engineering Handbook, Sponsored by the International Conference of Building Officials (ICBO), published by McGraw-Hill Book Company, 2002, published in Hardcopy and in the Digital Engineering Library (DEL), 585 pp. Also translated in Turkish, titled *Geoteknik Deprem Mühendisliği Elkitabı*, translated by Professor Murat Mollamahutoğlu and Dr. Kâmil Kayabali, sponsored by Gazi University, 2002, 600pp.

Section 6 titled “Soil Mechanics and Foundations” in *Building Design and Construction Handbook*, Sixth Edition, Fredrick S. Merrit and Jonathan T. Ricketts, editors, 2001, published by McGraw-Hill Book Company, 2001, pp. 6.1 to 6.121.

Soil Testing Manual: Procedures, Classification Data, and Sampling Practices, published by McGraw-Hill Book Company, 2001, published in Hardcopy and in the Digital Library (DEL), 618 pp.

Chapter 16 titled “Structural Foundations and Retaining Walls” in *Forensic Structural Engineering Handbook*, Robert T. Ratay, editor, published by McGraw-Hill Book Company, 2000, pp 16.1 to 16.78.

Geotechnical Engineers Portable Handbook, published by McGraw-Hill Book Company, 2000, 750 pp.

Geotechnical and Foundation Engineering: Design and Construction, published by McGraw-Hill Book Company 1999, 808 pp.

Forensic Geotechnical and Foundation Engineering, published by McGraw-Hill Book Company, 1999, 460 pp.

PROFESSIONAL EXPERIENCE SUMMARY

Mr. Day's experience is widely varied and utilizes the best of two worlds; academic and professional consulting. As a graduate with advanced graduate degrees, Mr. Day is ideally suited to apply advanced theoretical geotechnical engineering to real situations.

Examples of research projects include surficial stability of clay slopes, deep sea drilling project testing of oceanic sediments (important because some properties apply to geotechnical formations commonly encountered in today's developments), and liquefaction of reinforced sand.

Mr. Day's consulting experience has been utilized in evaluation of slope stability, landslide analysis,

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commercial and residential development, foundation design and other areas.

Specific geotechnical evaluations have included design of earth retaining structures, landslide stabilization, geotechnical distress investigations, as well as mass grading for hillside developments.