## **References** Cited

- AASHTO, Standard Specifications for Transportation Materials and Methods of Sampling and Testing, Part I, Specifications, 13th ed., AASHTO, Washington, DC, 1982.
- Alpan, I., "The Empirical Evaluation of the Coefficient K<sub>o</sub> and K<sub>or</sub>," *Soils and Foundations*, Japanese Society of Soil Mechanics and Foundations Engineering, Tokyo, **VII**(I) (1967).
- American Institute of Steel Construction, Inc., *Manual of Steel Construction*, Load and Resistance Factor Design, Chicago, 2001.
- Association of American Railroads, *Manual of Recommended Practice*, Construction and Maintenance Section, Engineering Division, Chicago, 1958.
- ASTM, 2002 Annual Book of ASTM Standards. Copyright, American Society for Testing and Materials, West Conshohocken, PA.
- ASTM, 1995 Annual Book of ASTM Standards. Copyright, American Society for Testing and Materials, West Conshohocken, PA.
- ASTM, 1989 Annual Book of ASTM Standards. Copyright, American Society for Testing and Materials, West Conshohocken, PA.
- Atterberg, A., Various papers published in the Int. Mitt. Bodenkd, 1911, 1912.
- Barksdale, R. D. and M. O. Schreiber, "Calculating Test-Boring Depths," *Civil Eng.*, *ASCE*, 49(8), 74–75 (1979).
- Bazaraa, A. R. S. S., "Use of the Standard Penetration Test for Estimating Settlements of Shallow Foundations on Sand," Ph.D. thesis, University of Illinois, 1967.
- Bishop, A. W., "The Use of Slip Circle in the Stability Analysis of Earth Slopes," Geotechnique, 5(1) (1955).
- Bjerrum, L., "Problems of Soil Mechanics and Construction on Soft Clays," 8th Int. Conf. SMFE, Moscow, 1973. Reprinted in Norwegian Geotechnical Institute Publ. No. 100, Oslo, 1974.
- Boussinesq, J., Application des Potentials a l'Etude de l'Equilibre et du Mouvement des Solides Elastiques, Ganthier-Villars, Paris, 1883.
- Bowles, J. E., *Engineering Properties of Soils and Their Measurement*, 2nd ed., McGraw-Hill Book Company, New York, 1978.
- Bowles, J. E., *Foundation Analysis and Design*, 2nd ed., McGraw-Hill Book Company, New York, 1977.
- Brown, R. E., "Vibroflotation Compaction of Cohesionless Soils," J. Geotech. Eng. Div. ASCE, 103(GT 12), 1437–1451 (1977).
- Burland, J. B. and M. C. Burbidge, "Settlement of Foundations on Sand and Gravel," *Proc. Inst. Civil Eng. (London)*, **78**(Part 1), 1325–1381 (1985).
- Casagrande, A., "Classification and Identification of Soils," Trans. ASCE, 113, 901 (1948).
- Casagrande, A., "The Determination of the Pre-Consolidation Load and Its Practical Significance," Proc. First Int. Conf. Soil Mech., Cambridge, Mass., 3, 60–64 (1936).

- Coduto, D. P., *Geotechnical Engineering Principles and Practices*, Prentice Hall, Upper Saddle River, NJ, 1999.
- Coyle, H. M. and R. R. Castello, "New Design Correlations for Piles in Sand," J. Geotech. Eng. Div. ASCE, 107(GT7), 965–986 (1981).
- Coyle, H. M. and I. H. Sulaiman, *Bearing Capacity of Foundation Piles: State of the Art*, Highway Res. Board, Record N, 333 (1970).
- Das, B. M. Principles of Geotechnical Engineering, PWS Publishing Company, Boston, 1994.
- Dennis, N. D. and R. E. Olson, "Axial Capacity of Steel Piles in Sand," Proc. ASCE Conf. Geotech. Practice Offshore Eng., Austin, Texas, 1983.
- Dunn, I. S., L. R. Anderson, and F. W. Kiefer, *Fundamentals of Geotechnical Analysis*, John Wiley & Sons, Inc., New York, 1980.
- Goodman, L. J. and R. H. Karol, *Theory and Practice of Foundation Engineering*, Macmillan Publishing Co., New York, 1968.
- Highway Research Board, *Frost Action in Roads and Airfields*, Highway Research Board, Special Report No. 1, Publ. 211, National Academy of Sciences–National Research Council, Washington, DC, 1952.
- Holtz, R. D. and W. D. Kovacs, *An Introduction to Geotechnical Engineering*, Prentice Hall, Englewood Cliffs, NJ, 1981.
- Hough, B. K., *Basic Soils Engineering*, 2nd ed., The Ronald Press Company, New York, 1969.
- Jaky, J., "Pressure in Silos," Proc. 2nd Int. Conf. Soil Mech. Found. Eng., 1 (1948).
- Jumikis, A. R., *Foundation Engineering*, Intext Educational Publishers, Scranton, PA, 1971.
- Karol, R. H., Soils and Soil Engineering, Prentice Hall, Upper Saddle River, NJ, 1960.
- Koerner, R. M., *Design with Geosynthetics*, 2nd ed., Prentice Hall, Upper Saddle River, NJ, 1990.
- Krebs, R. D. and R. D. Walker, *Highway Materials*, McGraw-Hill Book Company, New York, 1971.
- LaLonde, Jr., W. S. and M. F. Janes, eds., *Concrete Engineering Handbook*, McGraw-Hill Book Company, New York, 1961.
- Lambe, T. W. and R. V. Whitman, *Soil Mechanics, SI Version*, John Wiley & Sons, New York, 1979.
- Lee, K. L., B. D. Adams, and J.-M. J. Vagneron, "Reinforced Earth Retaining Walls," J. Soil. Mech. Found. Eng. Div., Proc. ASCE, 99(SM 10), 745–764 (1973).
- Leonards, G. A., ed., *Foundation Engineering*, McGraw-Hill Book Company, New York, 1962.
- Leonards, G. A., W. A. Cutter, and R. D. Holtz, "Dynamic Compaction of Granular Soils," J. Geotech. Eng. Div. ASCE, **106**(GT1) 35–44 (1980).
- Liao, S. S. C. and R. V. Whitman, "Overburden Correction Factors for SPT in Sand," J. Geotech. Eng. Div. ASCE, 112(3), 373–377 (1986).
- Liu, C. and J. B. Evett, *Soil Properties: Testing, Measurement, and Evaluation,* 5th ed., Prentice Hall, Upper Saddle River, NJ, 2003.

- McCarthy, D. F., *Essentials of Soil Mechanics and Foundations*, 6th ed., Prentice Hall, Upper Saddle River, NJ, 2002.
- McClelland, B., "Design and Performance of Deep Foundations," Proc. Specialty Conf. Perform. Earth Earth-Supported Struct. ASCE, 2 (June 1972).
- Meyerhof, G. G., "Bearing Capacity and Settlement of Pile Foundations," J. Geotech. Eng. Div. ASCE, 102(GT3), 197–228 (1976).
- Meyerhof, G. G., "The Bearing Capacity of Foundations under Eccentric and Inclined Loads," Proc. 3rd Int. Conf. Soil Mech. Found. Eng., Switzerland, 1, 440-445 (1953).
- Meyerhof, G. G., "Influence of Roughness Base and Groundwater Conditions on the Ultimate Bearing Capacity of Foundations," *Geotechniques*, 5, 227–242 (1955).
- Meyerhof, G. G., "The Ultimate Bearing Capacity of Foundations on Slopes," Proc. 4th Int. Conf. Soil Mech. Found. Eng., London, 1, 385–386 (1957).
- Moore, R. W., "Geophysics Efficient in Exploring the Subsurface," J. Soil Mech. Found. Div., Proc. ASCE, SM3 (June 1961).
- Newmark, N. M., Influence Charts for Computation of Stresses in Elastic Foundations, University of Illinois Bull. 338 (1942).
- Newmark, N. M., Simplified Computation of Vertical Pressures in Elastic Foundations, Circ. No. 24, Eng. Exp. Sta., University of Illinois (1935).
- North Carolina State Building Code, Vol. I, General Construction, 1994 ed.
- Olson, R. E., "Axial Load Capacity of Steel Pipe Piles in Sand," Proc. Offshore Tech. Conf., Houston, Texas, 1990.
- O'Neil, M. W. and L. C. Reese, *Drilled Shafts Construction Procedures and Design Methods*, U.S. Department of Transportation, Federal Highway Administration, Washington, DC, 1999.
- Peck, R. B., W. E. Hansen, and T. H. Thornburn, *Foundation Engineering*, 2nd ed., John Wiley & Sons, New York, 1974.
- Reissner, H., "Zum Erddruckproblem," Proc. 1st Int. Conf. Appl. Mech., Delft, The Netherlands, 1924.
- Robertson P. K., R. G. Campanella, and A. Wightman, "SPT-CPT Correlations," J. Geotech Eng. Div. ASCE, 109(GT 11), 1449–1459 (1983).
- Robertson, P. K. and R. G. Campanella, "Interpretation of Cone Penetration Tests. Part I: Sand," *Canadian Geotech. J.*, **20**, 718–733 (1983).
- Schmertmann, J. H., "Estimating the True Consolidation Behavior of Clay from Laboratory Test Results," *Proc. ASCE*, **79**, Separate 311, 26 pp., 1953.
- Schmertmann, J. H., "Static Cone to Compute Static Settlement over Sand," J. Soil Mech. and Found. Div. ASCE (SM3), 1372–1405 (1970).
- Schmertmann, J. H., "The Undisturbed Consolidation Behavior of Clay," Trans. ASCE, 120, 1207–1227 (1955).
- Schmertmann, J. H., J. P. Hartman, and P. R. Brown, "Improved Strain Influence Factor Diagrams," J. Geotech. Eng. Div. ASCE, 104(GT 8), 1131–1135 (1978).
- Sherard, J. L., L. P. Dunnigan, and J. R. Talbot, "Basic Properties of Sand and Gravel Filters," J. Geotech. Eng. Div. ASCE, 110(6), 684–700 (1984).

- Skempton, A. W. "Notes on the Compressibility of Clays," Quarterly J. Geol. Soc. London, C, 119–135 (1944).
- Skempton, A. W., "Standard Penetration Test Procedures and the Effects in Sands of Overburden Pressure, Relative Density, Particle Size, Ageing, and Overconsolidation," *Geotechnique*, 36(3), 425–447 (1986).
- Skempton, A. W. and A. W. Bishop, "The Measurement of the Shear Strength of Soils," *Geotechnique*, 2(2) (1950).
- Sowers, G. F., *Introductory Soil Mechanics and Foundations*, 4th ed., Macmillan Publishing Company, 1979.
- Spangler, M. G. and R. L. Handy, *Soil Engineering*, 3rd ed., Intext Educational Publishers, New York, 1973.
- Taylor, D. W., "Stability of Earth Slopes," J. Boston Soc. Civil Eng., 24 (1937).
- Taylor, D. W., Fundamentals of Soil Mechanics, John Wiley & Sons, New York, 1948.
- Teng, W. C., Foundation Design, Prentice Hall, Englewood Cliffs, NJ, 1962.
- Terzaghi, K. and R. B. Peck, *Soil Mechanics in Engineering Practice*, 2nd ed., John Wiley & Sons, New York, 1967.
- Terzaghi, K., R. B. Peck, and G. Mesri, *Soil Mechanics in Engineering Practice*, 3rd ed., John Wiley & Sons, New York, 1996.
- U.S. Department of the Navy, "Design Manual—Soil Mechanics, Foundations and Earth Structures," NAVFAC DM-7, U.S. Government Printing Office, Washington, DC, 1971.
- Westergaard, H. M., "A Problem of Elasticity Suggested by a Problem in Soil Mechanics: Soft Material Reinforced by Numerous Strong Horizontal Sheets," in *Contributions to the Mechanics of Solids*, Stephen Timoshenko 60th Anniversary Volume, Macmillan Publishing Company, New York, 1938.
- Wu, T. H., Soil Mechanics, Allyn and Bacon, Boston, 1976.