

Appendix A References and Bibliography

A-1. Required Publications

Departments of the Army and the Navy

NAVFAC DM-7.1
Soil Mechanics

TM 5-818-1
Soils and Geology; Procedures for Foundation Design of Buildings and Other Structures (Except Hydraulic Structures)

TM 5-818-7
Foundations in Expansive Soils

TM 5-849-1
Pile Driving Equipment

¹Federal Specifications

TT-W00571J
Wood Preservation: Treating Practices

²U.S. Department of Transportation

FHWA-DP-66-1 (Revision 1)
Manual on Design and Construction of Driven Pile Foundations, April 1986

FHWA-RD-IR-77-8
User's Manual for the Texas Quick-Load Method for Foundation Load Testing, 1977

FHWA-TS-78-209
Guidelines for Cone Penetration Test Performance and Design, 1978

FHWA-RD-83-059
Allowable Stresses in Piles, 1983

¹Naval Publications and Form Center, 5801 Tabor Avenue, Philadelphia, PA 19120.

²Federal Highway Administration, Office of Implementation, 6300 Georgetown Pike, McLean, Virginia 22101

FHWA-RD-85-106
Behavior of Piles and Pile Groups Under Lateral Load, 1985

FHWA-HI-88-042
Drilled Shafts: Construction Procedures and Design Methods, 1988

FHWA-DP-66-1
Manual on Design and Construction of Driven Pile Foundation, 1986

U.S. Army Engineer Waterways Experiment Station 1975. U.S. Army Engineer Waterways Experiment Station. 1975. "Background Theory and Documentation of Five University of Texas Soil-Structure Interaction Computer Programs," Miscellaneous Paper K-75-2, Vicksburg, MS.

U.S. Army Engineer Waterways Experiment Station 1984. U.S. Army Engineer Waterways Experiment Station, 1984 (Feb). "User's Guide: Computer Program for Soil-Structure Interaction Analysis of Axially Loaded Piles (CAXPILE)," Instruction Report K-84-4, Vicksburg, MS.

U.S. Army Engineer Waterways Experiment Station 1992. U.S. Army Engineer Waterways Experiment Station. 1992. "User's Guide for Concrete Strength Investigation and Design (CASTR) in Accordance with ACI 318-89," Instruction Report ITL-87-2 (Revised), Vicksburg, MS.

U.S. Army Engineer Waterways Experiment Station 1989. U.S. Army Engineer Waterways Experiment Station. 1989. "User's Guide: Pile Group Analysis (CPGA) Computer Program," Technical Report ITL-89-3, Vicksburg, MS.

U.S. Army Engineer Waterways Experiment Station 1990. U.S. Army Engineer Waterways Experiment Station. 1990. "User's Guide: Pile Group/Concrete Pile Analysis Program (CPGC) Preprocessor to CPGA Program," Instruction Report ITL-90-2, Vicksburg, MS.

American Association of State Highway and Transportation Officials (AASHTO) 1989. American Association of State Highway and Transportation Officials (AASHTO), 14th edition, 444 North Capitol Street NW, Suite 225, Washington, DC 20001.

Standard Specification for Highway Bridges
Standard Specification for Highway Bridges

³American Concrete Institute 1986

American Concrete Institute. 1986. "Use of concrete in Buildings: Design, Specifications, and Related Topics," *Manual of Concrete Practice*. Parts 3 and 4.

³American Concrete Institute 1989

American Concrete Institute. 1989. "Building Code Requirements for Reinforced Concrete," ACI Report No. 318-89.

³American Concrete Institute 1974

American Concrete Institute. 1974. "Recommendations for Design, Manufacture and Installation of Concrete Piles," ACI Report No. 543R-74.

³American Concrete Institute 1985

American Concrete Institute. 1985. "Ultimate Strength Design Handbook, Volume I: Slabs, 1984; Columns," ACI Report No. SP 17.

Association of Drilled Shaft Contractors 1989

Association of Drilled Shaft Contractors (ADSC). 1989. "Drilled Shaft Inspector's Manual," First Edition, P.O. Box 280379, Dallas, TX.

American Institute of Steel Construction 1986

American Institute of Steel Construction (AISC). 1986. "Load and Resistance Factor Design," First Edition, *Manual of Steel Construction*, 1 E. Wacker Drive, Chicago, IL.

American Institute of Steel Construction 1989

American Institute of Steel Construction (AISC). 1989. "Allowable Stress Design," 9th Edition, *Manual of Steel Construction*, 1 E. Wacker Drive, Chicago, IL.

⁴American Society for Testing and Materials

ASTM A 252

(1993) Specification for Welded and Seamless Steel Pipes

ASTM D 25

(1991) Specification for Round Timber Piles

ASTM D 1143

(1987) Piles Under Static Axial Compressive Load

³American Concrete Institute (ACI), P.O. Box 19150, Redford Station, Detroit, MI 48219

⁴American Society for Testing and Materials (ASTM), 1916 Race Street, Philadelphia, PA 19103

ASTM D 1586

(1992) Penetration Test and Split-Barrel Sampling of Soils

ASTM D 2435

(1990) One-Dimensional Consolidation Properties of Soils

ASTM D 2487

(1993) Classification of Soils for Engineering Purposes

ASTM D 2899

(1986) Method for Establishing Design Stresses for Round Timber Piles

ASTM D 3200

(1986) Establishing Recommended Design Stresses for Round Timber Construction Poles

ASTM D 3441

(1986) Deep, Quasi-Static, Cone and Friction-Cone Penetration Tests of Soil

ASTM D 3689

(1990) Individual Piles Under Static Axial Tensile Load

ASTM D 3966

(1990) Piles Under Lateral Loads

ASTM D 4546

(1990) One-Dimensional Swell or Settlement Potential of Cohesive Soils Wood

American Society for Testing and Materials

American Society for Testing and Materials (ASTM). Steel-Piping, Tubing, Fitting, Vol 01.01.

American Society for Testing and Materials

American Society for Testing and Materials. "Steel-Structural, Reinforcing, Pressure Vessel, Railway," ASTM Vol 01.04.

American Society for Testing and Materials

American Society for Testing and Materials. "Soil and Rock; Dimension Stone; Geosynthetics," ASTM Vol 04.08.

American Society for Testing and Materials

American Society for Testing and Materials. "Soil and Rock (II): D4943-latest; Geosynthetics," ASTM Vol 04.09.

American Wood Preservers Institute 1977-1979

American Wood Preservers Institute. 1977-1979. "Standards for Creosoted-Wood Foundation Piles," 1945

Old Gallows Road, Suite 405, Vienna, VA, C1-C12.

International Conference of Building Officials 1991

International Conference of Building Officials. 1991. "Uniform Building Code," 5360 South Workman Mill Road, Whittier, CA.

Pile Buck, Inc. 1988

Pile Buck, Inc. 1988. "Testing Methods of Driven Piles," *Pile Buck Annual*, P.O. Box 1056, Jupiter, FL, Chapter 13, pp 297-318.

Pile Buck, Inc. 1992

Pile Buck, Inc. 1992. "Design of Pile Foundations," *Foundations*, P.O. Box 1056, Jupiter, FL, pp 1-69.

Precast and Prestressed Concrete Institute 1988

Precast and Prestressed Concrete Institute. 1988. "Recommended Practice for the Design of Prestressed Concrete Columns and Walls," *PCI Committee on Prestressed Concrete Columns, PCI Journal*, Vol 33, No. 4, pp 56-95.

A-2. Related Publications

American Petroleum Institute 1987

American Petroleum Institute. 1987 (Apr). "Recommended Practice for Planning, Designing, and Constructing Fixed Offshore Platforms, API Recommended Practice 2A (RP 2A)," Seventeenth Edition.

Awoshika and Reese 1971

Awoshika, K., and Reese, L. C. 1971 (Feb). "Analysis of Foundation with Widely Spaced Batter Piles," Research Report 117-3F, Project 3-5-68-117, Center for Highway Research, University of Texas at Austin.

Baguelin, Jézéquel, and Shields 1978

Baguelin, F., Jézéquel, J. F., and Shields, D. H. 1978. *The Pressuremeter and Foundation Engineering*, Trans Tech Publications.

Banerjee and Davies 1979

Banerjee, P. K., and Davies, T. G. 1979 (May). "Analysis of Some Reported Histories of Laterally Loaded Pile Groups." *Proceedings, Numerical Methods in Offshore Piling*, The Institute of Civil Engineers, London, pp 101-108.

Barker et al. 1991

Barker, R. M., et al. 1991. "Manual for the Design of Bridge Foundations," National Cooperative Highway Research Program Report 343, Transportation Research

Board, 2101 Constitution Avenue, Washington, DC.

Bieniawski 1984

Bieniawski, Z. T. 1984. *Rock Mechanics Design in Mining and Tunneling*, A. A. Balkema, Rotterdam/Boston.

Bogard and Matlock 1983

Bogard, D., and Matlock, H. 1983 (Apr). "Procedures for Analysis of Laterally Loaded Pile Groups in Soft Clay," *Proceedings, Geotechnical Practice in Offshore Engineering*, American Society of Civil Engineers, New York, NY.

Bowles 1968

Bowles, J. E. *Foundation Analysis and Design*, Appendix A, McGraw-Hill, NY.

Broms 1964a

Broms, B. B. 1964a. "Lateral Resistance of Piles in Cohesive Soils," *Journal of the Soil Mechanics and Foundations Division*, American Society of Civil Engineers, New York, NY, Vol 90, pp 27-63.

Broms 1964b

Broms, B. B. 1964b. "Lateral Resistance of Piles in Cohesionless Soil," *Journal of the Soil Mechanics and Foundations Division*, American Society of Civil Engineers, New York, NY, Vol 90, pp 123-156.

Broms 1965

Broms, B. B. 1965. "Design of Laterally Loaded Piles," *Journal of Soil Mechanics and Foundations Division*, American Society of Civil Engineers, New York, NY, Vol 91, pp 79-99.

Bryant 1977

Bryant, L. M. 1977. "Three-Dimensional Analysis of Framed Structures with Nonlinear Pile Foundations," Unpublished Dissertation, University of Texas at Austin, Austin, TX.

Canadian Geotechnical Society 1985

Canadian Geotechnical Society. 1985. "Canadian Foundation Engineering Manual," 2nd Edition, BiTech Publishers Ltd., 801-1030 W. Georgia Street, Vancouver, B.C.

Cox, Reese, and Grubbs 1974

Cox, W. R., Reese, L. C., and Grubbs, B. R. 1974. "Field Testing of Laterally Loaded Piles in Sand," *Proceedings*, 6th Annual Offshore Technology Conference Paper No. OTC 2079, Houston, TX pp 459-472.

Coyle and Reese 1966

Coyle, H. M., and Reese, L. C. 1966. "Load Transfer for Axially Loaded Piles in Clay," *Proceedings, American Society of Civil Engineers*, New York, NY, Vol 92, No.SM2, pp 1-26.

Coyle and Sulaiman 1967

Coyle, H. M., and Sulaiman, I. H. 1967. "Skin Friction for Steel Piles in Sand," *Proceedings, American Society of Civil Engineers*, New York, NY, Vol 93, No. SM6, pp 261-278.

Davisson 1970

Davisson, M. T. 1970. "Lateral Load Capacity of Piles," *Highway Research Record*, Transportation Research Board, 2101 Constitution Avenue, Washington, DC.

Davisson 1972

Davisson, M. T. 1972. "High Capacity Piles," *Proceedings Lecture Series, Innovations in Foundation Construction*, Illinois Section, American Society of Civil Engineers, New York, NY.

Davisson and Robinson 1965

Davisson, M. T., and Robinson, K. E. 1965. "Bending and Buckling of Partially Embedded Piles," *Proceedings 6th International Conference on Soil Mechanics and Foundation Engineering*, Montreal, Canada, University of Toronto Press, 63a George Street, Toronto ONM5S1A6, pp 243-246.

Deere 1968

Deere, D. V. 1968. "Geological Considerations," *Rock Mechanics in Engineering Practice*, K. G. Staggs and O. C. Zienkiewicz, New York, NY, Chapter 1.

Det norske 1977

Det norske, V. 1977. "Rules for the Design, Construction, and Inspection of Offshore Structure," *Veritasveien 1*, 1322 HØ vik, Norway.

Donald, Sloan, and Chiu 1980

Donald, I. B., Sloan, S. W., and Chiu, H. K. 1980. "Theoretical Analyses of Rock-socketed Piles," *Proceedings International Conference on Structural Foundations on Rock*, Sydney, Australia, A. A. Balkema, Rotterdam/Boston.

Fleming et al. 1985

Fleming, W. G. F., et al. 1985. *Pile Engineering*, Blackie and Son, Ltd., Glasgo, Scotland.

George and Wood 1977

George, P., and Wood, D. 1977. *Offshore Soil Mechanics*,

Cambridge University Engineering Department, Cambridge, MA.

Goble, Rausche, Likins and Associates, Inc. 1988

Goble, Rausche, Likins and Associates, Inc. 1988. (GRL), *GRLWEAP Wave Equation Analysis of Pile Driving*. Available from GRL, 4535 Emery Industrial Parkway, Cleveland, OH.

Hansen 1963

Hansen, J. B. 1963. "Hyperbolic Stress-strain Response: Cohesive Soils," *Discussion Journal of the Soil Mechanics and Foundations Division*, American Society of Civil Engineers, New York, NY, Vol 89, No. SM4.

Hetenyi 1946

Hetenyi, M. I. 1946. *Beams on Elastic Foundation*, University of Michigan Press, Ann Arbor, MI.

Horvath and Kenney 1979

Horvath, R. G., and Kenney, T. C. 1979. "Shaft Resistance of Rock Socketed Drilled Piers," *Proceedings Symposium on Deep Foundations*, American Society of Civil Engineers, Atlantic, GA.

International Conference of Building Officials 1991

International Conference of Building Officials. 1991. "Uniform Building Code," Whittier, CA.

Jamiolkowski 1977

Jamiolkowski, M. 1977. "Design of Laterally Loaded Piles," General Lecture, International Conference on Soil Mechanics and Foundation Engineering, Tokyo, Japan.

Japanese Road Association 1976

Japanese Road Association. 1976 (May). "Road Bridge Substructure Design Guide and Explanatory Notes, Designing of Pile Foundations," p 67.

Kraft, Focht, and Amarasinghe 1981

Kraft, L. M., Jr., Focht, J. A., and Amarasinghe, S. R. 1981. "Friction Capacity of Piles Driven into Clay," *Journal of Geotechnical Engineering Division*, Vol 107, pp 1521-1541.

Kraft, Ray, and Kagawa 1981

Kraft, L. M., Ray, R. P., and Kagawa, T. 1981. "Theoretical t-z Curves," *Journal of the Geotechnical Engineering Division*, American Society of Civil Engineers, New York, NY, Vol 107, pp 1543-1561.

Kuthy et al. 1977

Kuthy, R. A. et al. 1977 (Apr). "Lateral Load Capacity of

Vertical Pile Groups,” Research Report 47, Engineering Research and Development Bureau, New York State Department of Transportation, Albany, NY.

Kubo 1965

Kubo, K. 1965. “Experimental Study of the Behavior of Laterally Loaded Piles,” *Proceedings*, Sixth International Conference on Soil Mechanics and Foundation Engineering, Montreal, Vol 2, pp 275-279.

Lam 1981

Lam, P. 1981. “Computer Program of Analysis of Widely Spaced Batter Piles,” Unpublished thesis, University of Texas at Austin, Austin, TX.

Matlock 1970

Matlock, H. 1970. “Correlations for Design of Laterally Loaded Piles in Soft Clay,” *Proceedings*, 2nd Annual Offshore Technology Conference, Paper No. OTC 1204, Houston, TX, pp 577-594.

Matlock and Reese 1961

Matlock, H., and Reese, L. C. 1961. “Foundation Analysis of Offshore Pile-Supported Structures,” *Proceedings*, Fifth International Conference, International Society of Soil Mechanics and Foundation Engineering, Paris, France, Vol 2, pp 91-97.

Matlock et al. 1980

Matlock, H., et al. 1980 (May). “Field Tests of the Lateral Load Behavior of Pile Groups in Soft Clay,” *Proceedings*, 12th Annual Offshore Technology Conference, Paper No. OTC 3871, Houston, TX.

McClland 1972

McClland, B. 1972 (Jun). “Design and Performance of Deep Foundations,” *Proceedings*, Specialty Conference on Performance of Earth and Earth Supported Structures, Purdue University, Soil Mechanics and Foundations Division, American Society of Civil Engineers .

McClland and Focht 1958

McClland, B., and Focht, J. A. 1958. “Soil Modulus for Laterally Loaded Piles,” *Transactions*, American Society of Civil Engineers, Vol 123, pp 1049-1086.

Meyerhof 1976

Meyerhof, G. G. 1976. “Bearing Capacity and Settlement of Pile Foundations,” *Journal of Geotechnical Engineering*, American Society of Civil Engineers, New York, NY, Vol 102, GT3, pp 197-228.

Meyerhof 1983

Meyerhof, G. G. 1976. “Scale Effects of Ultimate Pile Capacity,” *Journal of Geotechnical Engineering*, American Society of Civil Engineers, New York, NY, Vol 109, No. 6, pp 797-806.

Nordlund 1963

Nordlund, R. L. 1963. “Bearing Capacity of Piles in Cohesionless Soils,” *Journal of the Soil Mechanics and Foundations Division*, American Society of Civil Engineers, Vol 89, pp 1-36.

Nottingham and Schmertmann 1975

Nottingham, L., and Schmertmann, J. 1975. “An Investigation of Pile Capacity Design Procedures,” Final Report D629 to Florida Department of Transportation from Department of Civil Engineering, University of Florida.

O’Neill 1983

O’Neill, M. W. 1983 (Apr). “Group Action in Offshore Piles,” *Proceedings*, Geotechnical Practice in Offshore Engineering, American Society of Civil Engineers.

O’Neill, Ghazzaly, and Ha 1977

O’Neill, M. W., Ghazzaly, O. I., and Ha, H. B. 1977. “Analysis of Three-Dimensional Pile Groups with Nonlinear Soil Response and Pile-Soil-Pile Interaction,” *Proceedings* 9th Annual Offshore Technology Conference, Houston, TX, Vol II, Paper No. 2838, pp 245-256.

Osterberg 1995

Osterberg, J. O. 1995. “The Osterberg CELL for Load Testing Drilled Shafts and Driven Piles,” report for U.S. Department of Transportation, Federal Highway Administration, by J. O. Osterberg, Ltd., Aurora, CO.

Peck 1976

Peck, R. B. 1976. “Rock Foundations for Structures,” *Proceedings ASCE Specialty Conference on Rock Engineering for Foundations and Slopes*, Boulder, CO.

Poulos 1971

Poulos, H. G. 1971. “Behavior of Laterally Loaded Piles: II - Pile Groups,” *Proceedings*, American Society of Civil Engineers, Vol 97, No. SM5, pp 733-751.

Poulos and Davis 1980

Poulos, H. G., and Davis, E. H. 1980. *Pile Foundation Analysis and Design*, Wiley, New York.

Prakash and Sharma 1989

Prakash, S., and Sharma, H. D. 1989. *Pile Foundations in Engineering Practice*, Wiley, New York.

Preiss, Weber, and Caiserman 1978

Preiss, K., Weber, H., and Caiserman, A. 1978. "Integrity Testing of Bored Piles and Diaphragm Walls," *Transactions*, South African Institution of Civil Engineers, Vol 20, No. 8, pp 191-196.

Randolph and Wroth 1978

Randolph, M. F., and Wroth, C. P. 1978. "Analysis of Deformation of Vertically Loaded Piles," *Journal of the Geotechnical Engineering Division*, American Society of Civil Engineers, New York, NY, Vol 104, No. GT12, pp 1465-1488.

Reese 1964

Reese, L. C. 1964 (Feb). "Load versus Settlement for an Axially Loaded Pile," *Proceedings*, Part II, Symposium on Bearing Capacity of Piles, Central Building Research Institute, Roorkee, pp 18-38.

Reese 1966

Reese, L. C. 1966 (Apr). "Analysis of a Bridge Foundation Supported by Batter Piles," *Proceedings*, 4th Annual Symposium on Engineering Geology and Soil Engineering, Moscow, ID, pp 61-73.

Reese 1984

Reese, L. C. 1984 (Jul). *Handbook on Design of Piles and Drilled Shafts Under Lateral Load*, U. S. Department of Transportation, Federal Highway Administration, FHWA-IP-84-11, p 360.

Reese, Cox, and Koop 1974

Reese, L. C., Cox, W. R., and Koop, F. D. 1974. "Analysis of Laterally Loaded Piles in Sand," *Proceedings*, 5th Annual Offshore Technology Conference, Paper No. OTC 2080, Houston, TX, pp 473-485.

Reese, Cox, and Koop 1975

Reese, L. C., Cox, W. R., and Koop, F. D. 1975. "Field Testing and Analysis of Laterally Loaded Piles in Stiff Clay," *Proceedings*, 7th Annual Offshore Technology Conference, Paper No. OTC 2312, Houston, TX, pp 672-690.

Reese and Matlock 1956

Reese, L. C., and Matlock, H. 1956. "Non-Dimensional Solutions for Laterally Loaded Piles with Soil Modulus Assumed Proportional to Depth," *Proceedings Eighth Texas Conference on Soil Mechanics and Foundation Engineering*, Special Publication No. 29, Bureau of Engineering Research, University of Texas, Austin, TX.

Reese and Matlock 1966

Reese, L. C., and Matlock, H. 1966. "Behavior of a Two-

Dimensional Pile Group Under Inclined and Eccentric Loading," *Proceedings*, Offshore Exploration Conference, Long Beach, CA, pp 123-140.

Reese, O'Neill, and Smith 1970

Reese, L. C., O'Neill, M. W., and Smith, R. E. 1970 (Jan). "Generalized Analysis of Pile Foundations," *Proceedings*, American Society of Civil Engineers, Vol 96, No. SM1, pp 235-250.

Reese and Welch 1975

Reese, L. C., and Welch, R. C. 1975 (Feb). "Lateral Loading of Deep Foundations in Stiff Clay," *Journal of the Geotechnical Engineering Division*, American Society of Civil Engineers, Vol 101, No. GT7, pp 633-649.

Reese and Wright 1977

Reese, L. C., and Wright, S. J. 1977. "Drilled Shaft Manual - Construction Procedures and Design for Axial Loading," Vol 1, U.S. Department of Transportation, Implementation Division, Implementation Package 77-21.

Saul 1968

Saul, W. E. 1968. "Static and Dynamic Analysis of Pile Foundations," *Journal of the Structural Division*, American Society of Civil Engineers, Vol 94, pp 1077-1100.

Scott 1969

Scott, C. R. 1969. *An Introduction to Soil Mechanics and Foundations*, Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England, p 310.

Seed and Reese 1957

Seed, H. B., and Reese, L. C. 1957. "The Action of Soft Clay Along Friction Piles," *Transactions*, American Society of Civil Engineers, New York, NY, Vol 122, pp 731-753.

Smith and Mlakar 1987

Smith, W. G., and Mlakar, P. F. 1987. "Lumped Parameter Seismic Analysis of Pile Foundations," Report No. J650-87-008/2495, Vicksburg, MS.

Stewart and Kulhawy 1980

Stewart, J. P., and Kulhawy, F. H. 1980. "Behavior of Drilled Shafts in Axial Uplift Loading," Geotechnical Engineering Report 80-2, School of Civil and Environmental Engineering, Cornell University, Ithica, NY.

Stewart and Kulhawy 1981

Stewart, J. P., and Kulhawy, F. H. 1981. "Experimental Investigation of the Uplift Capacity of Drilled Shaft Foundations in Cohesionless Soil," Contract Report B-49 (6), Niagara Mohawk Power Corporation, Syracuse, NY.

Tomlinson 1980

Tomlinson, M. J. 1980. *Foundation Design and Construction*, Fourth Edition, Pitman Publishing Limited, 128 Long Acre, London WC2E 9AN, UK.

Tomlinson 1987

Tomlinson, M. J. 1987. *Pile Design and Construction Practice*, Viewpoint Publications.

Vesic 1971

Vesic, A. S. 1971. "Breakout Resistance of Object Embedded in Ocean Bottom," *Journal of the Soil Mechanics and Foundation Division*, American Society of Civil Engineers, New York, NY, Vol 97, SM9, pp 1183-1205.

Vesic 1977

Vesic, A. S. 1977. "Design of Pile Foundations," *National Cooperative Highway Research Program Synthesis of Highway Practice*, No. 42, Transportation Research Board, 2101 Constitution Avenue, Washington, DC.

Vijayvergiya and Focht 1972

Vijayvergiya, V. N., and Focht, J. A., Jr. 1972. "A New Way to Predict Capacity of Piles in Clay," *Proceedings*, 4th Annual Offshore Technology Conference, Paper No. OTC Paper 1718, Houston, TX.

Vijayvergiya 1977

Vijayvergiya, V. N. 1977. "Load-Movement Characteristics of Piles," *Port 77 Conference*, American Society of Civil Engineers, New York, NY.

Welch and Reese 1972

Welch, R. C., and Reese, L. C. 1972 (May). "Laterally Loaded Behavior of Drilled Shafts," Research Report No. 3-5-65-89, Center for Highway Research, University of Texas at Austin, Austin, TX.

Wolff 1990

Wolff, T. F. 1990. "User's Guide: Pile Group Interference Probabilistic Assessment (CPGP) Computer Program," U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.