

## REFERENCE

- Berezantzev, V. G., Khristoforov, V., & Golubko, V. (1961). Load Bearing Capacity and Deformation of Piled Foundations. *Proc. 5th Int. Conf. S.M. & F. E., Vol 2*, 11-15.
- Bowles, J. E. (1996). *Foundation Analysis and Design*. Singapore: The McGraw-Hill Companies, Inc.
- Burland, J. B. (1973). Shaft Friction Piles in Clay - A Simple Fundamental Approach. *Ground Engineering, Vol. 6, no. 3*, 30-42.
- Chin, F. K. (1971). Discussion of Pile Test. Arkansas River Project. *Journal for Soil Mechanics and Foundation Engineering, ASCE, Vol 96, SM 6*, 930-932.
- Chin, F. K. (1970). Estimation of the Ultimate Load of Piles not carried to failure. *Proceedings of the 2nd Southeast Asian Conference on Soil Engineering*, (pp. 81-90).
- Chin, J. T., Chow, Y. K., & Poulos, H. G. (1990). Numerical Analysis of Axially loaded vertical piles and pile groups. *Computers and Geotechnics*, 273-290.
- Code of Practice for Foundations - BS 8004*. (1986). British Standard .
- Davisson, M. T. (1972). High Capacity Piles. . *Proceedings of Lecture Series on Innovations in Foundation Construction* (pp. 81-112). Chicago: American Society of Civil Engineers.
- Forehand, P. W., & Reese, J. L. (1964). Prediction of Pile Capacity by the Wave Equation. *Journal of the Soil Mechanics and Foundation Division, ASCE, Vol 90, SM 2*, 1-25.
- Gennaro, V. D., Frank, R., & Said, I. (2008). Finite element analysis of model piles axially loaded in sands. *Rivista Italiana di Geotecnica*, 44-62.
- Gowthaman, S., & Nasvi, M. (2017). 2D and 3D Numerical Simulation of Load-Settlement Behaviour of Axially Loaded Pile Foundations. *American Journal of Civil Engineering and Architecture*, 187-195.
- Gowthaman, S., & Nasvi, M. (2018). Three - dimensional Numerical Simulation and Validation of Load-settlement Behaviour of a Pile Group under Compressive Loading. *Engineer: Journal of the Institution of Engineers, Sri Lanka. Vol 51*, 9-21.
- Gowthaman, S., Nasvi, M. C., & Krishnya, S. (2017). Numerical Study and Comparison of the Settlement Behaviours of Axially Loaded Piles using Different Material Models. *Engineer* (pp. 1-10). The Institution of Engineers, Sri Lanka.
- Guideline for Interpretation of Site Investigation Data for Estimating the Carrying Capacity of Single Piles for Design of Bored Cast In-Situ Reinforced Concrete Piles*. (ICTAD PUBLICATION NO:ICTAD/DEV/15). Institute for Construction Training and Development 'Savsiripaya' 123, Wijerama Mawatha, Colombo 07.

- Hobbs, N. B. (1975). Proceedings of the Conference on Settlement of Structures. *British Geotechnical Society* (pp. 579-610). Pentech Press.
- Horvarth, R. G. (1978). Field Load Test Data on Concrete-to-Rock Bond Strength for Drilled Pier Foundations. *University of Toronto* , Publication 78-07.
- Jalali, M. M., Golmaei, S. H., Jalali, M. R., Ahmadi, M. K., & Moradi, R. (2012). Using Finite Element method for Pile-Soil Interface (through PLAXIS and ANSYS). *Journal of Civil Engineering and Construction Technology* , 256-272.
- Józefiak, K., Zbiciak, A., Maślakowski, M., & Piotrowski, T. (2015). Numerical Modelling and Bearing Capacity Analysis of Pile Foundation. *Procedia Engineering 111* , 356-363.
- Kerisel, P. J. (1961). Deep Foundations in Sand: Variation of Ultimate Bearing Capacity With Soil Density, Depth, Diameter and Speed. *International Society for Soil Mechanics and Geotechnical Engineering* , 73-83.
- Khodair, Y., & Abdel-Mohti, A. (2014). Numerical Analysis of Pile–Soil Interaction under Axial and Lateral Loads. *International Journal of Concrete Structures and Materials* , 239-249.
- Kondner, R. L. (1963). Hyperbolic Stress-Strain Response. Cohesive soils. *Journal for Soil Mechanics and Foundation Engineering, ASCE, Vol. 89, SM 1*, 115-143.
- Meyerhof, G. G. (1976). Bearing Capacity and Settlement of Pile Foundations. *Proceedings of the American Society of Civil Engineers, GT3*, (pp. 197-28).
- Mohotti, P. D. (2009). Study of Design and Construction Methods of Bored Piles in Sri Lanka. *M.Eng Thesis, Department of Civil Engineering, University of Moratuwa* .
- Mohotti, P., & Thilakasiri, H. (2009). Study of design and construction methods of bored piles in Sri Lanka (Master's Thesis, University of Moratuwa, Sri Lanka).
- Naveen, B. P., Sitharam, T. G., & Vishruth, S. (2011). Numerical simulation of vertically loaded piles. *Proceedings of Indian Geotechnical Conference* (pp. 835-838). Kochi: Indian Geotechnical Society.
- Osterberg, J. O., & Gill, S. A. (1973). Load Transfer Mechanisms for Piers Socketted in Hard Soil or Rock. *Proceedings of the 9th Canadian Symposium on Rock Mechanics, Montreal* , 235-262.
- Peck, R. B., Hansen, W. E., & Thornburn, T. H. (1974). *Foundation Engineering*. New York: John Wiley & Sons.
- Poulos, H. G. (1989). Pile Behaviour-Theory and Application. *Geotechnique 39, No-3* , 365-415.
- Poulos, H. G., & Mattes, N. S. (1969). The Behaviour of Axially Loaded End Bearing Piles. *Geotechnique 19, No-2* , 285-300.

- Poulos, H., & Davis, E. (1980). *Pile Foundation Analysis and Design*. Sydney: Rainbow-Bridge Book Co.
- Rausche, F. (1970). *Soil Response from Dynamic Analysis and Measurements on Piles*. Case Western Reserve University, Division of Soil Mechanics, Structures and Mechanical Design .
- Rosenberg, P., & Journeaux, N. L. (1976). Friction and End Bearing Tests on Bedrock for High Capacity Socket Design. *Canadian Geotechnical Journal*, Vol 13, 324-333.
- Salim, R. R., & Abdulrazzaq, O. A. (2017). Analysis of Cast in Place Piles Using Finite Elements Method. *Applied Engineering Research* , 6029-6036.
- Seo, H., Prezzi, M., & Salgado, R. (2008). Settlement Analysis of Axially Loaded Piles. *Sixth International Conference on Case Histories in Geotechnical Engineering* .
- Shioi, Y., & Fukui, J. (1982). *Application of N value to Design of Foundation in Japan* (Vols. 2nd ESOPT, Vol 1).
- Singh, A., Bhandari, T., Ayothiraman, R., & Rao, K. (2017). Numerical Analysis of Rock-Socketed Piles under Combined Vertical-Lateral Loading. *International Society for Rock Mechanics* (pp. 776-784). ELSEVIER.
- Skempton, A. W. (1951). The Bearing Capacity of Clay. *Proc. Building Research Congress*, Vol. 1, 180-189.
- Smith, E. A. (1960). Pile Driving Analysis by the Wave Equation. *Journal of the Soil Mechanics and Foundation Division*, Vol 86, SM 4, 35-61.
- Specifications for Bored and Cast In-Situ Reinforced Concrete Piles*. (ICTAD PUBLICATION NO: ICTAD/DEV/16). Institute for Construction Training and Development 'Savsiripaya' 123, Wijerama Mawatha, Colombo 07.
- Srilakshmi, G., & Yashwanth, M. P. (2013). Analysis of pile group using finite element method. *International Journal of Engineering Research and Science & Technology* , 110-118.
- (ASTM D4945 ). *Standard Test Method for High-Strain Dynamic Testing of Deep Foundations*.
- Teshager, D. K., & Kabeta, W. (2020). Review on experimental and finite element analysis of vertically loaded piles. *Advanced Research in Engineering and Applied Sciences* , 1-11.
- Thilakasiri, H. S., & Silva, W. H. (2007). Interpretation of Compressibility Properties of Soil Surrounding Bored Piles from Pile Load Test Results. *Proceedings of Annual Sessions of Institute of Engineers, Sri Lanka*, (pp. 69-76).
- Thilakasiri, H. S., Jayaweera, R., & Abeyasinghe, R. M. (2009). Investigation of the Accuracy of the Dynamic Methods of Capacity Estimation of Piles. *Proceedings of Annual Sessions of Institute of Engineers, Sri Lanka*, (pp. 75-85).

- Tomlinson, M. J. (1971). Some effect of Pile Driving on Skin Friction. *Conference on Behavior of Piles* (pp. 107-114). London: ICE.
- Tomlinson, M., & Woodward, J. (2008). *Pile Design and Construction Practice, Fifth edition*. London and New York: Taylor & Francis.
- Vesic, A. S. (1967). *A Study of Bearing Capacity of Deep Foundations*. Atlanta, Ga.: School of Civil Engineering. Georgia Inst. Tech.
- Williams, A. F., & Pells, P. J. (1981). Side Resistance Rock Sockets in Sandstone, Mudstone and Shale. *Canadian Geotechnical Journal, Vol 18*, 502-513.
- Wyllie, D. C. (1991). *Foundation on Rock*. London: E & FN Spon.
- Zhan, Y.-g., Wang, H., & Liu, F.-c. (2012). Modeling Vertical Bearing Capacity of Pile Foundation by Using ABAQUS. *Electronic Journal of Geotechnical Engineering, Vol 17* , 1855-1865.
- Zhang, L., & Einstein, H. (2004). Using RQD to estimate the deformation modulus of rock masses. *International Journal of Rock Mechanics & Mining Sciences* , 337–341.