

# References

1. Boussinesq, V. J., (1883), "Application des Potential a L'Etude de L'Equilibre et due Mouvenent des Solides Elastiques," Gauthier-Villars, Paris.
2. Bowles, J. E., (1988), "Foundation Analysis and Design," 4<sup>th</sup> Edition, McGraw-Hill Book Co.,pp. 474.
3. Bros, B., (1972), "The Influence of Model Retaining Wall Displacement on Active and Passive Earth Pressures in Sand," Proc., 5<sup>th</sup> European Conf. On Soil Mechanics, Madrid, Vol. 1, pp. 241-249.
4. Burgess, G. P.,(1999), "Performance of Two Full-scale Model Geosynthetic Reinforced Segmental Retaining Walls," Master Thesis, Royal Military College of Canada, Kingston, Ontario, p. 207.
5. Chang, S. Y., (2000), "Effects of Backfill Compaction on Active Earth Pressure," Master of Engineering Thesis, National Chaio Tung University, Hsinchu, Taiwan.
6. Chen, H., R., (1997), "Earth Pressure At-Rest with Different Soil Densities and Backfill Inclinations," Master of Engineering Thesis, National Chiao Tung University, Hsinchu, Taiwan.bvnmm
7. Chen, T. J., and Fang, Y. S, (2002) "A New Facility For Measurement of Earth Pressure At-Rest," Geotechnical Engineering, SEAGS, Vol. 3, December, pp.153-159.
8. Das, B. M., (1983), Advance Soil Mechanics, Publishing Company, McGraw-Hill.
9. Das, B. M., (1994), "Principal of Geotechnical Engineering," 3<sup>rd</sup> Edition, PWS Publishing Company, Boston.
10. Fang, Y. S., Chen, J. M., and Chen, C. Y., (1997), "Earth Pressures with Sloping

Backfill,” *Journal of Geotechnical and Geoenvironmental Engineering*, ASCE, Vol. 123, No. 3, March, pp. 250-259.

11. Fang, Y. S., Chen, T. J., Holtz, R. D., and Lee, W. F., (2004), “Reduction of Boundary Friction in Model Tests”, Submitted to *Geotechnical Testing Journal*, ASTM, Vol. 27, No. 1, pp. 1-10.
12. Gerber, E. (1929), “Untersuchungen uber die Druckverteilung im ortlichen belasteten Sand,” Zurich, Switzerland.
13. Hendron, A. J., (1963), “The Behavior of Sand in One-Dimensional Compression,” Ph. D. Thesis, Univ. Illinois, 285 pp.
14. Ho, Y. C., (1999), “Effects of Backfill Compaction on Passive Earth Pressure,” Master of Engineering Thesis, National Chaio Tung University, Hsinchu, Taiwan.
15. Hunt, R. E., (1986), “ Geothchnical Engineering Techniques and Practices,” McGraw-Hill Book Co, pp. 562.
16. Jaky, J., (1944), “The Coefficient of Earth Pressure at Rest,” *Journal for Society of Hungarian Architects and Engineers*, Budapest, Hungary, Oct., pp. 355-358.
17. Jaky, J., (1948), “Pressure in Soils,” *Proceedings, 2<sup>nd</sup> International Conference on Soil Mechanics and Foundation Engineering*, Vol. 1, pp. 103-107.
18. Jurgenson, L. (1934) *The application of theories of elasticity and plasticity to foundation problems. Contributions to Soil Mechanics 1925-1940.* Boston Society of Civil Engineers.
19. Kulhawy, F. H.(1983) ”Transmission Line Structure Foundations for Uplift-Compression Loading,” Report No. 119 EI-2870, Electric Power Reasearch Insitute, Palo Alto, CA.
20. Kumbhojkar, A. S., (1993) “ Numerical Elavuation of Terzaghi’s  $N_7$ ,” *Journal of*

Geotechnical Engineering, American Society of Civil Engineering, Vol. 119, No. 3, pp. 598-607

21. Lambe, T. W. and Whitman, R. V.,(1969), Soil Mechanics, John Wiley & Sons, New York.
22. Lee C. C., (1998), “Passive Earth Pressure with Various Backfill Densities”, Master of Engineering Thesis, National Chiao Tung University, Hsinchu, Taiwan.
23. Lo Presti, D. C. F., Berardi, R., Pedroni, S., and Crippa, V., (1993), “A New Traveling Sand Pluviator to Reconstitute Specimens of Well-Graded Silty Sands,” Geotechnical Testing Journal, ASTM, Vol. 16, No. 1, pp.18-26
24. Mackey, R. D., and Kirk, D. P., (1967), “At Rest, Active and Passive Earth Pressures,” Proceedings, South East Asian Conference on Soil Mechanics and Foundation Engineering, Bangkok, pp. 187-199.
25. Matteotti, G., (1970), “Some Results of Quay-Wall Model Tests on Earth Pressure,” Proc., Institution of Civil Engineers, Vol. 47, pp. 185-204.
26. Mayne, P. W. and Kulhawy, F. H., (1982), “  $K_0$  - OCR relationships in soils,” Journal of Geotechnical Engineering, Division, ASCE, Vol. 108, No. GT6, June., pp. 851-873.
27. McElory, J. A., 1997, “Seismic Stability of Geosynthetic Reinforced Slopes: A Shaking Table Study”, Master Thesis, University of Washington, Seattle.
28. Mesri, G., and Hayat, T. M., (1993), “The Earth Pressure at Rest,” Canadian Geotechnical Journal, Vol. 30, No. 4, August, pp. 647-666.
29. Meyerhof, G. G. (1956). “ Some Recent Reach on the Bearing Capacity of Foundations,” Canadian Geotechnical Journal, Vol. 1, No.1, pp.16-26
30. Mindlin, R. D. (1936), “Discussion: Pressure Distribution on Retaining walls,” 1<sup>st</sup> ICSMFE, vol.3, pp. 155-156

31. Van DEN BERG (1991), "Effects of surface loading behind earth retaining walls," Deformation of Soils and Displacements of Structures, Volume 11, pp.767-771.
32. Rad, N. S. and Tumay, M. T., (1987), "Factors Affecting Sand Specimen Preparation by Raining," Geotechnical Testing Journal, ASTM, Vol. 10, No.1, pp.31-37
33. Richard, S. C. and Ronald, G. C., (1982), "Soils and Foundations Workshop Manual," U. S. Department of Transportation, Federal Highway Administration, Washington, D. C. 20590.
34. Rowe, P. W., (1954), "A Stress Strain Theory for Cohesionless Soil with Applications to Earth Pressures At Rest and Moving Walls," Geotechnique, Vol. 4, pp. 70-88.
35. Rehnman, S. E. and Broms, B. B. ,(1972), " Lateral Pressures on Basement Wall. Result from Full-Scale Tests," Proc. 5<sup>th</sup> European Conf. SMFE, vol. 1, pp.189-197.
36. Sherif, M. M. and Mackey, R. D., (1977), "Pressure on the Retaining Wall with Repeated Loading," Journal of Geotechnical Engineering Division, ASCE, Vol. 103 no, GT11, pp. 1341-1345.
37. Sherif, M. A., Fang, Y. S., and Sherif, R. I., (1984), "K<sub>a</sub> and K<sub>o</sub> behind Rotating and Non-Yielding Walls," Journal of Geotechnical Engineering, ASCE, Vol. 110, No. 1, Jan., pp. 41-56.
38. Smolczyk, U.; Vogt, N.; Hilmer, K., (1979), "Lateral Earth Pressure Due to Surcharge Loads," Proceedings of the European Conference on Soil Mechanics and Foundation Engineering, Vol 2 Sept, pp. 131-139
39. Sowers, G. B., and Sowers, G. F., (1961), Introductory Soil Mechanics and Foundations, Macmillan New York, pp. 386.

40. Spangler, M. G. (1936), "the Distribution of Normal Pressure on a Retaining Walls Due to a Concentrated Surface loads," 1<sup>st</sup> ICSMFE, vol.1 pp.200-207
41. Spangler, M. G.U (1938) "Horizontal Pressure on Retaining Walls Due to Concentrated Surface Loads," Bulletin No. 140, Iowa Engineering experiment Station, Ames, Iowa, 1938.
42. Spangler, M. G. and Mickle, J. L. (1956), "Lateral Pressures on Retaining Walls Due to Backfill Surface Loads," Highway Research Board 141 1-18.
43. Spangler, M. G. and Handy, R. L., (1982), "Soil Engineering 4<sup>th</sup> Edition," Publishing, Harper & Row Publishing company.
44. Terzaghi, K., (1943), Theoretical soil Mechanics, Wiley, New York.
45. Terzaghi, K., (1954), "Anchored bulkhesds", Transactions, ASCE. 119, Paper No. 2720.
46. Terzaghi, K. and Peck, R. B. (1948), Soil Mechanics in Engineering Practice, 1<sup>st</sup> ed. John Wiley, New York. pp. 312-318.
47. Tschebotarioff, G. B, (1973), Foundations, Retaining and Earth Structures, 2<sup>nd</sup> ed. McGraw-Hill Book Co. New York.
48. US NAVY, (1982), Foundation and Earth Structures, NAVFAC Design Manual DM-7.2, Washington, D. C., pp. 73-74.
49. Canadian Geotechnical Society, (1985), Canadian Foundation Engineering Manual 2<sup>nd</sup> edition, pp. 380-381
50. Vaid, Y. P., and Negussey, D., (1984), "Relative Density of Pluviated Sand Samples," Soils and Foundations, JSSMFE, Vol. 24, No. 2, pp.101-105
51. Vesic, A. S. (1973), " Analysis of Ultimate Loads of Shallow Foundations,"

Journal of the soil Mechanics and Foundations Division, ASCE, Vol. 99 No. SM1,  
pp. 45-73.

52. Wu, B. F., “design and Construction of National Chiao Tung University Model Retaining Wall, Thesis, Dept. of Civil Engineering, NCTU, 1992..

