References

1-Altemyer, W.T. (1955).Discussion of engineering properties of expansive clays. Proc. Am. Soc. Civil Eng. 81 (separate No. 658):17-19

2-Aylmore , L . A . G ., Post , and Padua, I. D. (1969). Effects of heating on the swelling of clay minerals .Highway Res. Board Special Rep. 103; 31-38.

3-Basu, R, and Arulanandan, k., "Anew approach to the identification of *swell potential in soils*", proc. 3rd int. conf. Expansive soils, Hafia, Israel, 1973.

4-Bell,J.R. and Steward, J.E , "*Construction and observation of fabric retained soil walls*", Proc. Int. conf. On the use of fabrics in geotechnics, Paris,1, 123- 128, .1977.

5-Blight, G. E. and Dewer, J. A.. (1965). The acceleration of heave by flooding. Moisture Equilibria and Mositure Changes Beneath Covered Areas. A Symposium in Print. Buterworths, Australia, pp. 89-92.

6-Broms, B.B, "*Polyester fabric as reinforcement in soil*", Proc. Int. conf. On the use of Fabrics in geotechnics, Paris, 1, 129-135, .1977

7-Burland, J. B. (1984). Some aspects of the mechanical behaviour o partly saturated soils. Moisture ZEquilibria and moisture Changes in Soils Beneath Covered Areas. A. Symposium in print. Butterworth. Australia, pp. 270- 278.

8-Chamely, I H.and Weaver (1989). "Clay sedimentary printed in Germany.

9-Chang. J.C., et al., "Stresses and deformation in Jail Gulch embankment." Research report CA. HWY- MR 623509-4-72-07, State of California. Department of Public Work., Division of Highways . Materials and Research Department. Feb. (1972)

10-Chen, F. H (1965). The use of piers to prevent the uplifting of lightly loaded structures founded on expansive soil. Concluding. Proc .End Effects of Moisture Changes in Soils, Int. Res. Eng. Conf. Expansive Clay Soils, Supplementing the Symposium in print, Texas A and M Press, pp. 125-172

11-Chen, F. H. "*The basic physical property of expansive soils*", proc. 3rd. int. conf. Expansive soils, Haifa, Israel 1: 17 – 25, 1973.

12-Chen, F. H., *"Foundations on expansive soils"*, American Elsevier Science publ., Newyork, 1988.

13-Currin, D. D., Allen, J.J. and Little, D. N. (1976). Validation of Soil Stablization Index System with Manual Development. U.S. Air Force Tech. Rep. SRL- TR- 76- 0006

14-Dawson, R. F. (1959).Modern particles used in the design of foundation for structures on expansive soils. Quart. School Mines 54(4):66-87.

15-Dawson, R. F. (1953). Movement of small houses erected on an expansive clay soil. Proc.3rd Int. Conf. Soil Mech.Found. Eng. 1: 346-350.

16-Fredlund. D. G.(1983): Prediction of ground movements in swelling clays.31 st Annu. Soil h. Found. Eng. Conf., of Minnesota. Minneapolis. February.

17-Grim, R. E. (1949). Mineralogical composition in relation to the properties certain soils Geotechnique.

18-Grim, R.E 1968, "*Clay mineralogy*", 2nd ed . McGraw- Hill , New york,.

19-Gizienski, S. F. and Lee, L.J. (1965). Comparison of laboratory swell tests to small scale field tests. Engineering Effects of Moisture Changes in Soil, Concluding Proceedings. International Research and Engineering Conference on Expansive Clay Soils. Texas A and M Press, College Station, TX,pp. 108-119

20-Gokhale, K. V.G.K., and Swainathin, E (1973). Accelerated stabilization of expansive soils. Proc.3rd int. Conf. Expansive Soils, Divisions 1-5 Haifa , Isreal 1:35 - 41

21-Goode, J. C. (1982). Heave prediction and moisture migiration beneath slabs on on expansive soils. M. S. thesis, Colorado State University, Fort Collins, CO.

22-Gromko, G. J. (1974). Review of expansive soil. J. Geotech. Eng.. Div., ASCE 100 (GT6):667- 687.

23- G. W. Donldson (1969). The ocurrance of problems of heave and the factors affecting its nature. End Int. Research and Eng. Conference on expansive clay soils. Texas A and M press

-Hamberg, D. J. (1982). A simplified methods for predicting heave in expansive soils. M.S. thesis, Colorado State University, Fort Collins, CO.

-Holtez, W.G.(1959). Expansive clays – properties and problems. Quart. Colorado School Mines 54(4) : 89-- 117

-Holtz, W.G, and Gibbs, H.J, *"Engineering properties of expansive clays. Transact"*, ASCE 121:641- 677, 1956.

-Howard, A. K (1977). Laboratory classification of soils –Unified Classification System. Earth Sciences Training Manual No. 4, U.S. Bureau of Reclamation, Denver. 56 pp.

-Jones, D. E. and Holtz, W.G. (1973). Expansive soils – the hidden disaster. Civil Eng.ASCE 43(8): 49- 51.

-Kern, F. (1977). An earth dam with the vertical down stream face constructed using fabric prov. Int. comp. of the use of fabrics in geatechnics, Paris, 1, 91-94.

-Mc Dowell,C.(1965). Redimal procedures used in the reduction of Changes in Soils. Conducting Preceedings, International Research and Engineering Conference on Expansive Clays Soils. Tex A and M Unv. Press, College Station, TX, pp.239- 275.as

31-Mc Gown and Ozelton (1973). Fabric membrane in flexible pavement construction over soils of low bearing strength. Civ. Engng. Pub. Wks.Rev., Jan., 25-29.

-Mc Gown, A. and Andrawes, K. Z. (1977). The influence of non -woven fabricinclusions on the stress- strain behaviour of soil mass. Proc. Int. on the use of fabrics in geotechnics, Paris,1, 161-166

-McKeen, R.G., "*Design and construction of airport pavements on expansive soils*", Civil Engineering Research Institute , Uinv. Of New Mexico. Albuquerque. Rep. No. CERF- AP- 18, June. 178 pp. , 1976.

34- Mithchell. J.K., and Raad, L.(1973).Control of volume changes in expansive earth materials.Proc.Workshop Expansive Clays and Shales in Highway Design and Construction,Vol.2.D.R. Lamb and S. J.Hanna,ed. Federal Highway Adminstration, Denver, CO, pp. 200- 219.

35-Nelson, J. D. and Edgar, T. V. (1978), Moisture migration beneath impermeable membranes. Proc. 15th Annu. Symp. Eng. Geol. Soil Eng., Idaho Dept., Boise, Idho, April.

36-O,Neill,M. W. , and Poormoayed,, N. (1980). Methodology for foundation on expansive soils. J. Geotech. . Eng. Div., ASCE 106 (GT12), December : 1345- 1367.

37-Osman and Charilie (1984). Expansive soil in Sudan (paper)

38-Perrin, R. M. S. (1971). The clay mineralogy of British sediments. The mineralogical Society, London.

39-Polyondy, J, G., (1961). "skin friction between cohesive granular soils and construction materials" .M.E. Thesis, Nova. Scota Tech. College, Halifax, N. S.

40-Post, J. L., and Padua, J. A. (1969). Soil stabilization by incipient fusion. Highway Res. Board Special Rep. 103 : 243- 253.

41-Poor, A. R. (1979). Experimental residential foundation design on expansive clay soils. Final report, Construction Research Centre. Unv. Of Texas, Arlington, Rep. No. TR- 3-78, June.

42-Porter, A.A. (1977).Mechanics of Swelling in expansive clay. M.S. thesis, Colorado State University, Fort Collins. CO.

43-Puig, J, Blivet, J.C.and Pasquet P.(1977). Earth fill reinforced with synthetic fabric Proc. Int. Conf. on the use of fabrics in Geotechnics, Paris, 1, 85-90.

44-Raman, V. (1967). Identification of expansive soils from the plasticity index and the shrinkage index data. Inndian Eng. Callcuta 11(1: 17-22)

45-Snethen, D.R., "*Technical guidelines for expansive soils in highway subgrades*", U.S. Army Eng. Waterway Exp. Sta., Vicksburg, MS, Rep. No.FHWA-RD- 79-51, 1979a.

46-Teng, T. C. P., Mattox, R. M., and Clisby, M. B. (1973). Astudy of active clays as related to highway design. Research and development Division, Mississippi State Highway Dept., Engineering and Industerial research Station, Mississippi State University, MSHDRD- 72- 045, 134 pp.

47-Thorez , J. (1976). "Practical identification of clay minerals." G. Lelohe B. 4820 Dison. Belgique.

48-Thompson, M. R. (1968). Lime stabilization of soils for highway purposes. December 1968. Final Summary Rep. Civil Engineering Studies, Highway Series No. 25 Illinois Cooperative Highway Research Program, Project IHR- 76, 26 pp. Mech. Found. Div.92 (SM5): 67-92

49-Tucker, M. (1991). "Sedimentary petrology and introduction to the origin of sedimentary rocks". Black Well Scientific publications", Oxford OX2 OEL 8 John Sreet.

50-Van der Merwe, D. H., Hugo, F. and Steyn, A. p. (1980).The pretreatment of clay soils for road construction. Proc. 4th Int. Conf. Expansive Soils, Vol. 1.ASCE, Denver 4;361- 382.

51-Van der Merwe, D. H., (1964). The prediction of heave from the plasticity index and the percentage clay fraction of soils. Civil Eng. South Africa 6: 103-107.

52-Vidal, H. (1969). "The principle of reinforce earch" Highw. Res. Rec., No. 282., (1969)

53-Weaver, C. E (1989). "Clay Muds and shales development in sedementology" 44, p 819.

Pasquet 1977

Kern 1977

Borms 1977

Polyondy 1961

Alimi 1973

Androwes and Mc Gown 1977

Alimi 1973

Androwes et al 1978

Jenel 1978

G.W. Donlson 1969

G.W. Donlson 1969

Burland 1984

Van der Waalds Dakshanamurthy Roman 1973 Grim 1962

•

Grim, R. E. (1968). Clay Mineralogy , 2nd ed. McGrow – Hill, New York

Teng .T.C.P , Mattox ,R.M., and Get al;(1973)