

- Subgrade. ARI, The Bulletin of the İstanbul Technical University, 53, pp. 89-95.2003.
- [20] Senol A, Bin-Shafique MdS, Edil TB, Benson CH. Use of class C fly ash for stabilization of soft subgrade. ACE proceedings 2002. p. 963–72.
- [21] Şenol, A., Edil, T., Bin-Shafique, M. S., Acosta, H., & Benson, C. H. Soft Subgrades' Stabilization by Using Various Fly Ashes. Resources, Conservation and Recycling, 46(4), pp. 365-76. 2006.
- [22] Sharma, N.K., S.K. Swain, and U.C. Sahoo. "Stabilization of a Clayey Soil with Fly Ash and Lime: A Micro Level Investigation." Geotechnical and Geological Engineering 24, No. 02 (2012)
- [23] Skempton, A. W. "Notes on the Compressibility of Clays." Q. J. Geol. Soc. London 100, no 1-4 (1944): 119-135.
- [24] Tastan E. O., Edil T. B., Benson C. H., and Aydilek A. H., "Stabilization of organic soils with fly ash," Journal of Geotechnical and Geoenvironmental Engineering, vol. 137, no. 9, pp. 819–833, 2011.
- [25] Terzaghi, K., R. Peck, and G. Mesri. Soil Mechanics in Engineering Practice. 3rd ed. New York: John Wiley and Sons, 1996.
- [26] Turner JP. Evaluation of western coal fly ashes for stabilization of low-volume roads. In: Wasemiller MA, Hoddinott B, editors. Testing soils mixed with waste or recycled materials. ASTM STP 1275; 1997. 340pp.
- [27] Vesic, A. "Analysis of Ultimate Loads of Shallow Foundations." Journal of the Soil Mechanics and Foundations Division 99, no 1 (1973): 45-73.
- [28] Zha, F., Liu, S., Du Y., and Cui, K. "Behavior of expansive soils stabilized with fly ash." Natural Hazards, 47 (3), 509-523. 2008.

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