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(57) Abstract :
ABSTRACT: Title: Method for Determining the Coefficient of Elastic Uniform Compression (Cu) Accounting for Embedment Depth Effect The present disclosure proposes a method for determining the coefficient of elastic uniform compression (Cu) by accounting the effect of the embedment depth of the machine foundation. In specific, a generalised equation may be developed for the determination of the coefficient of elastic uniform compression (Cu) considering the effect of the embedment depth of machine foundation in Clayey silty sand. The work has been carried out by performing tests both in the laboratory and in the field. In the laboratory, small-scale cyclic load tests were performed by placing circular and square plates at different embedment depths in Clayey silty sand (Df/B =0, 0.5, 1, 1.5) in CBR moulds in OMC and MDD conditions, and the loading was done through a self-straining load frame.

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