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☰ Menu   🔍 Search   🛒 Cart

Home > Foundation and Forensic Geotechnical Engineering > Conference paper

Effect of Slope Inclination on V-H and V-M Capacity Envelope of Strip

Ayushi Goyal

Department of Civil Engineering, MNIT Jaipur, Jaipur, Rajasthan, 302017, India

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Abstract

In this article, a numerical study is presented to estimate the capacity of the strip foundations located on undrained clay slopes and subjected to the combined action of V-H or V-M loadings. A series of 'Probe' analyses is performed using OptumG2 (a finite element limit analysis package) for 2D plane-strain soil slope models with different inclinations, to develop the V-H and V-M capacity