

Evaluations of pullout resistance of grouted soil nails

吳淵洵, 張志民

Civil Engineering & Engineering Informatics

Engineering

jasonwu@chu.edu.tw

Abstract

This study conducted laboratory and field pullout tests on grouted soil nails in sand to examine the interface shear resistance between nails and soil during pullout. The results indicated that the pullout strength found in the laboratory correlated reasonably well with that observed in the field. Such a finding makes the predication of field pullout resistance possible, based on the laboratory protocols developed in this study.

Keyword : soil nail, pullout resistance, slope