عنوان مقاله:

The Study of the Compressibility of Sand Soils Reinforced with Waste Tire Shreds by Versa Tester

محل انتشار:

کنفرانس بین المللی عمران،معماری و شهرسازی ایران معاصر (سال: 1396)

تعداد صفحات اصل مقاله: 10

نویسندگان:

Abdolla shayesteh - *Department of civil engineering, Isfahan Science and Research Branch, Islamic Azad University, Isfahan, Iran*

Abdolla shayesteh - *Department of Civil Engineering, Isfahan Branch, Islamic Azad University, Isfahan, Iran*

Mikaeil Yousefzadeh Fard - *Department of Civil Engineering, Faculty of Engineering, University of Tabriz, Tabriz, Iran*

Mahmood vafaian - *Department of Civil Engineering, Faculty of Engineering, University of Isfahan Technology, Isfahan, Iran*

خلاصه مقاله:

In this paper the effect of tire shred mixture in three dimension (1, 2, 3) and numerous volume percentages with soil gradation by transparent tank in Kianshahr (Chaf) located in north of Iran has been tested in experimental scale. The purpose of the study is the effect of tire shreds and numerous volume percentage on engineering features of soil gradation in the region, considering the effect of the porosity changes and elastic process of soil. The effect of tire in soil has been measured. For this purpose, a rigid strip shallow foundation was placed on the also/ shred existence/ sample made with the soil and tire shreds were loaded centrally in quick tank considering the volume percentages, aspect ratios and random distribution of these residuals. Finally the effect of various volume percentages of tire shreds, aspect ratios and respective graphs were discussed by measuring the bearing capacity and average settlement of shallow foundation under loading.

کلمات کلیدی:

Tire Shreds/ Quick Tank/ Bearing Capacity/ Compressibility/