

عنوان مقاله:

Determining Compaction and Water Content Ratio of Compacted Soil Using Hilf Rapid Method

محل انتشار:

چهارمین همایش بین المللی مهندسی ژئوتکنیک و مکانیک خاک ایران (سال: 1389)

تعداد صفحات اصل مقاله: 7

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خلاصه مقاله:

Compaction is a substantial parameter in geomechanics, and can be determined by using Hilf method. This method determines water content ratio using equations; hence oven is not required. Thereby the time which is needed to dry soil has been eliminated. The test needs 3 points for determining optimum Compaction and water content ratio. Experimental data must initially be accumulated for particular soil in order that the moisture variation can be reliably assessed. In this research Hilf method is performed in laboratory using CH clay obtained from Sarcheshmeh mines and sand. Purpose of investigation is to introduce method and to compare its accuracy with usual Proctor Method. Results show that accuracy of Hilf method is more than 99% in both clay and sandy clay.

کلمات کلیدی:

Soil compaction, Hilf, Proctor, Moisture content

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