

عنوان مقاله:

Mechanical Behaviour of Soil-Cement

محل انتشار:

هشتمین کنگره بین المللی مهندسی عمران (سال: 1388)

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خلاصه مقاله:

Soil-cement stabilization is a technique used worldwide in construction to improve the engineering properties of soils. This technique is used on variety kind of soil often under environmental extremes. This paper investigates the resultant density, optimum water content and compressive strength when cement is used to improve the properties of a clay soil. A series of compaction tests were conducted on mixture of soil cement. Furthermore, a number of unconfined compressive strength tests were performed on different soil-cement samples. The results indicated that maximum dry density and optimum water content change with different percent cement under same compactive effort .and unconfined compressive strength increases approximately linearly with cement content

کلمات کلیدی:

Soil-cement, compressive strength, dry density, optimum water content

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