

عنوان مقاله:

The Effect of BedRock Slope on Bearing Capacity of Shallow Foundations By Numerical Modelling in PLAXIS

محل انتشار:

همایش ملی مهندسی عمران ، شهرسازی و توسعه پایدار (سال: 1393)

تعداد صفحات اصل مقاله: 6

نویسندگان:

.Sina Fatolahzadeh - Islamic Azad University of Najaf Abad, Esfahan, Iran

.Bahram Nadi - Islamic Azad University of Najaf Abad, Esfahan, Iran

.Rasool Mehdizadeh - Islamic Azad University of Najaf Abad, Esfahan, Iran

خلاصه مقاله:

In determining of bearing capacity of shallow foundations, for east in this procedure, it is assumed that the soil layers below the foundation is homogenous an extended to a great depth below the bottom of the foundation. In real situations where these assumptions are not true, they lead to different values in bearing capacity. In this paper, with considering a bedrock layer under a foundation, and by using modelling in PLAXIS software, the effect of slope in this hard layer has been studied. Modeling for different scenarios of width of the foundation, distance of bedrock layer from the center of the foundation and slope of this hard layer was applied. The results show that approximately, up to .40 degrees in slope, an increase in the values of the ultimate bearing capacity of shallow foundations can be seen

کلمات کلیدی:

(Bearing capascity, BedRock slop, Numerical modelling, PLAXIS, Shallow foundations Introduction (Heading 1

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/345841>

