

عنوان مقاله:

SEISMIC BEARING CAPACITY OF SHALLOW FOUNDATIONS ON GEOGRID REINFORCED CLAY

محل انتشار:

ششمین کنفرانس بین المللی زلزله شناسی و مهندسی زلزله (سال: 1390)

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خلاصه مقاله:

A closed form solution is developed in this paper for calculation of seismic bearing capacity of shallow foundations constructed on geogrid reinforced clay. For this purpose a fictitious vertical retaining wall is assumed to pass the foundation edge. It is assumed that the active earth pressures exerted on the wall originate from the foundation pressure as well as the soil beneath the foundation. in addition it is also assumed that the passive earth pressure is provided from the soil outside the foundation edges.

کلمات کلیدی:

shallow foundation, seismic bearing capacity , lateral earth pressure , clay bed,geogrid

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