

USE GEOSYNTHETIC (GEOCELL MATTRES) IN ROAD EMBANKMENT OVER SOFT CLAYS

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ABSTRACT

Extensive experience has shown that reinforced soil techniques are very effective in the construction of embankment over soft foundation. Mattress foundation using geogrids are often used to improve the supporting capability of a soft soil foundation. It is well know that the vertical load applied on a geogrid – mattress foundation is transmitted to the supporting soil over a wider area, thus, improving the soils ability to support the foundation load.