Accepted Manuscript

Rate of consolidation of stone column-improved ground considering change in permeability and compressibility during consolidation

Kousik Deb, Aparajita Behera

 PII:
 S0307-904X(17)30280-9

 DOI:
 10.1016/j.apm.2017.04.016

 Reference:
 APM 11724

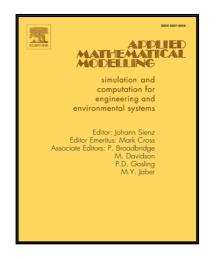
To appear in:

Applied Mathematical Modelling

Received date:2 December 2016Revised date:6 March 2017Accepted date:8 April 2017

Please cite this article as: Kousik Deb, Aparajita Behera, Rate of consolidation of stone columnimproved ground considering change in permeability and compressibility during consolidation, *Applied Mathematical Modelling* (2017), doi: 10.1016/j.apm.2017.04.016

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Highlights

- •Mathematical formulation is developed for rate of radial consolidation.
- Stone column-improved ground is considered.
- •Variation of soil permeability and compressibility during consolidation are considered.
- •Parabolic variation of permeability and compressibility within smear zone are considered.
- Effect of various parameters is studied.

Ċ,

Download English Version:

https://daneshyari.com/en/article/5470940

Download Persian Version:

https://daneshyari.com/article/5470940

Daneshyari.com