

CBR TEST
FOR COHESIONLESS SOILS

by

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Project Report

Submitted to

the Department of Civil Engineering
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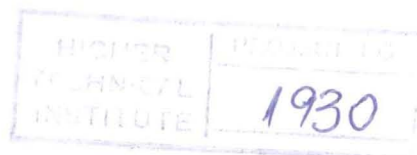
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SUMMARY

The primary aim of this work is to present the CBR test on a cohesionless soil and to investigate how this is affected by various factors.

To provide this, it was considered important to give an account on the various methods employed nowadays for the design of flexible pavements as well as on the tests used for this purpose. It would be an omission if no reference was done to the basic information that an engineer must bear in mind concerning the design of pavements. Thus the work is divided into four parts.

The first part deals with the elements of a flexible pavement, whereas the second gives an account on the basic information required for a pavement design, the strength of the subgrade, the materials to be used in construction and the amount of traffic to be carried. The third part separates the four different methods used in the design of a pavement and also gives the tests that can be carried out in the subgrade soil when the method of using a soil strength is employed. Finally, the fourth part presents the results and graphs of the tests carried out during the laboratory investigation, together with the conclusions on how CBR is influenced by dry density and moisture content.

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