

LIME STABILIZATION OF SOILS

BY:

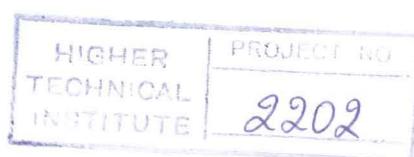
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SUMMARY:

It is obvious from the title that this project is about soil stabilization using lime.

At the first chapter an account on soil stabilization and the various methods used are given.

In chapter two it is discussed how certain soil properties influence by stabilization. These properties as it can be seen are, strength, permeability, durability and volume stability.

Then chapter three elaborates on soil stabilization using lime. In this chapter the definition of lime stabilization is firstly stated and then the application of lime stabilization are discussed. Chemical reactions involved in stabilization are then analyzed, and then kinds of lime are mentioned. Properties and characteristics of lime treated soils are examined and finally the soil-lime mixture design procedures are analyzed.

In chapter four the construction methods and equipments used in lime stabilization are discussed.

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