

Research title: Geographical Information System of Soil Data for Construction

Purpose, Phase 3

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Academic year: 2010

ABSTRACT

This research applies **Geographical Information System – GIS** and computer programming to collect the enormous number of soil investigation data of all over Bangkok area thus enabling an engineer to retrieve the physical characteristics of soil properties (roughly) at any location base on the nearest existing soil data. Field soil investigation prior to the foundation design of any structure is a must for the design engineer. Since the cost of such operation is rather high, then it is sometimes impractical. The design and the preliminary cost estimation of the construction is then impossible to be prepared. For second stage of this research, a number of soil data are added. Moreover, the program was improved and usage of this program companied with Google Map is explored in more suitable.

However, the retrieved data from this program is the existing soil properties that has been bored nearest the target position. It might not be representative soil data as construction site. Therefore, an engineer who utilizes this program requires to understand this aspect clearly

Keywords: Boring Log

Disclaimer:

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