

Geologic input, or the lack of it, in civil construction

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Although the need for geologic input into civil engineering projects is common knowledge to all, for various reasons in many projects in Malaysia geologic input is either lacking or highly inadequate. An indicator of the extent of neglect of geologic input is the fact that many soil investigation reports in this country do not contain a section or even a brief write-up of the site geology.

This paper presents several case studies of civil engineering projects where geologic factors have been neglected, thus resulting in delay in the completion of the project and increase in project cost. The examples given include a bridge project, dams, building foundations, piling, construction material, etc.
