CASE STUDY

PROJECT OVERVIEW

ROAD FORMATION USING STABILISATION

The construction of roads and highways is a basic requirement of nearly every construction site or development.

The traditional method of road construction is to excavate subsoil and import aggregate to create the formation for pavement construction.

Modifying soil using stabilisation can be used to create a road formation which is equal in strength to traditional methods, using site won material.

Using soil stabilisation removes the need for expensive excavation, spoil removal and the importing of aggregates.

Using site specific testing and designs we can offer a fully PI backed and validated solution.

Soil stabilisation is a recognised and approved method of construction within the **Highways Agency – *Design Manual for the Construction of Roads and Bridges* (DMRB)**

CHALLENGES

Many clients have not yet realised the potential of using soil stabilisation for constructing road formation.

Existing ground and site won materials can be quickly and effective modified regardless of its condition.

SOLUTIONS

Soil stabilisation methods are quick, reliable and cost efficient.

Using designs tailored to individual site requirements and conforming to British Standards for Highways Design we can construct road formation surfaces with CBR's in excess of 30% by just modifying existing site won soils.

BENEFITS

Professional soil modification methods will on average be 50% of the cost of traditional methods.

The stabilisation process is faster and less disruptive than traditional methods too.

Without the need for exporting spoil and importing aggregate to site the environmental benefits of soil stabilisation are also a very attractive proposition to modern development projects.

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