

**Client:**

Hancock Coal

Main Contractor:

Shadforths Civil

Specialist Sub-contractors:

SEALS Group

Project description:

Sub-grade strengthening & capping (road upgrade)

Location:Hobartville Road
Alpha, Qld**Date:**

February 2011

Product:

PolyCom Stabilising Aid

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Project Facts

Hobartville Road

Problem:

Requirement was to up-grade a local rural road to a standard which will support road train haul traffic from the mine. Haul traffic consists of doubles and triples transporting coal. Local sub-grade is of very low strength and with clay variations from silty to sandy/loamy material and some local bush gravels added to sections over the past years.

This existing road/track is considered sub-grade with the entire area to be re-sheated.

Secondary problem is a lower layer of rock and heavy clay which has trapped ground water in this area producing instability.

Some areas were responding well to a standard treatment of opening, drying and re-compacting but some areas required further work.

Solution:

SEALS Group solution was to stabilise these unstable areas of sub-grade producing a very strong soil raft - remediating the unstable sub-grade.

Project Aims:

1. Stabilise sub-grade to increase strength and add a workability factor to this difficult to manage material
2. Deliver a solid soil bridge over the unstable lower levels eliminating the need for more extensive work



Stabilisation with PolyCom has delivered increased strength and workability to the in-situ ground. This realises savings for the client with less work and materials required to remediate the area. Standard construction equipment was used for this task.