



**STABILISED
PAVEMENTS
OF AUSTRALIA**
PTY LTD

“ GETTING THE SUBGRADE FIXED! ”

Road Stabilisation is a very efficient process. In situ works allow the base material to be strengthened and improved using a range of binders to meet the specific pavement requirements with a significant cost reduction.

But what happens when the subgrade material is too weak to support the traffic? The RMS (NSW) and Queensland Main Roads, among others, are now utilising profilers and stabilisers to strengthen subgrades in a very simple insitu process.



a. Urban street



b. Rural Highway site.

“ The modified profiler removing existing base material and stockpiling material on adjacent roadway as an initial process before lime stabilising the subgrade. ”



→ THE STAGES OF CONSTRUCTION ARE:

- Close half road.
- Remove existing base material to up to 300mm depth using a profiler and stockpile material on closed road surface adjacent to excavation.
- Insitu stabilise subgrade using 2 to 6% quicklime to a depth of up to 300mm (depending on testing).
- Reinstate base materials on newly stabilised subgrade, compact and trim allowing traffic to run on the lane overnight.
- Carry out task on other section of carriage way.
- Swap road closure sides and complete other half of roadway.
- Seal road and complete line marking.



Clay prior to treatment

→ ADVANTAGES OF THIS PROCESS ARE:

- Existing levels of pavement can be maintained (desirable in flood plains or kerb and gutter).
- All existing materials are utilised - no waste of valuable resources.
- between 3,000 to 5,000sq.m. can be treated in one day.
- Minimum costs and disruption compared to conventional methods of subgrade strengthening such as subgrade replacement.
- Modified profiler adds moisture when excavating existing pavement material to assist with the compaction of base materials allowing speedy reinstatement and compaction of the base materials.
- Traffic Management - Implement construction milestones to evaluate progress and limit impacts of potential delays.

“ Lime stabilisation of the weak subgrade material. ”



New South Wales

234 Wisemans Ferry Road
Somersby NSW 2250

P 02 4340 0111

1800 656 835

E info@stabilis.com.au

Queensland (South)

67 Boundary Street
Beenleigh QLD 4207

P 07 3807 7600

E sqld@stabilis.com.au

Queensland (North)

17 Titanium Place
Bohle, Townsville Qld 4818

P 07 4412 0100

E nqld@stabilis.com.au

Victoria

59 Yellowbox Drive
Craigieburn VIC 3064

P 03 8339 4063

E vicadmin@stabilis.com.au

Western Australia

81 John Street
Welshpool WA 6106

P 08 9258 4349

E wa@stabilis.com.au

South Australia

PO Box 10186,
Adelaide BC SA 5000

P 0459 600 814

E sa@stabilis.com.au

Tasmania

M 0419 888740

E tas@stabilis.com.au

www.stabilisedpavements.com

