Stabilisation of Road Pavements - Fundamentals

Domestic Fees
$745 per person + GST

International Fees
$745 per person + GST

Intakes
17/11/2025

Campus
Christchurch

Duration
1 day

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Stabilisation of Road Pavements - Fundamentals

This workshop provides an overview of the main issues involved with the design and construction of sealed and unsealed pavements using stabilisation.

Stabilisation can provide major benefits for roading projects of all sizes, and significantly offer acceptable cost effective alternatives to the use of premium sources of aggregates. With the advent of new TNZ performance specifications (B/3 and M/22), there is the opportunity to use alternative materials in conjunction with stabilisation techniques, to meet strength and durability requirements for pavements.

Topics include

- Why, and when to stabilise
- Investigation and testing
- Alternative stabilising agents, lime or cement, bitumen: factors to consider
- Cement treated basecourse
- Pavement design principles
- Planning and economic issues
- Pavement life considerations
- Subgrade, sub-base and basecourse treatment
- Construction basecourse, including compaction
- In-situ stabilisation
- Road rehabilitation, and how stabilisation can help
- Area treatment options
- Use of recycled material
- Seal coat application to stabilised surfaces

On completion of this course participants will

- Apply the use of material stabilisation to the design and construction of pavements

Who should attend

Construction managers and supervisors will benefit from this course. It also may provide an understanding for road asset managers.

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