



Asphalt Pavement Construction Essentials



Domestic Fees

\$495 per person + GST



Duration

Half Day



nziht.co.nz



This course is designed to enable both new and novice construction personnel to learn and understand the basic concepts and requirements to lay a quality chipseal/asphalt pavement.

On occasion a new staff member is thrown into a crew and is given a basic task to perform, yet they never really get to understand the total picture of what they are working towards. This course is designed to create a better understanding of all aspects of the construction process.

Topics include

- Basic Bitumen Safety and Hazard ID
- Chipseal and Asphalt Surfacing Types
- Planning the Job – Materials, Equipment and Subcontractors
 - Selecting the right mix
 - Paver/s
 - Rollers – type and numbers
 - Trucking – match to production/laying rate
 - Millers
- Marking out and measuring the Job
- Quality – Records and HOLD Points
- Chipseal Construction Basics:
 - Traffic Control/Hazard ID/Pre-Start
 - Binder types/heat/application rates/supply
 - Seal design basics
 - Single Coat/Two Coat
 - Chip sizes/application/rolling
 - QA
 - Excess chip removal
 - Line marking
- Asphalt Construction Basics:
 - Traffic Control/Hazard ID/Pre-Start
 - Preseal treatments
 - Asphalt type/thickness/density/tonnes required
 - AC Supply – manufacturer/deliver
 - Trucking – match production with laying rates
 - Mix temperature control

- Mark out runs
- Tack coating
- Membrane sealing
- Set up paver
- Compaction Control
 - Using the correct roller
 - Mix laying temperatures
 - When to start/stop compacting
- QA
- Line marking
- Client satisfaction

On completion of this course participants will

- Work safely on a surfacing job/project
- Distinguish; the various processes, roles and equipment used on surfacing sites
- Understand the basics of constructing a quality pavement surface

Who should attend

- Employees with limited surfacing knowledge who wish to gain a better understanding of the construction processes.
- Employees, with 'hands on' experience, who wish to understand why these processes are being followed.
- Engineers/consultants wishing to understand the practical aspects of bituminous surfacing.