

Title	Maintain road by repairing unbound pavement layers		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to: prepare for the dig-out and repair of unbound pavement layers using granular materials; identify and excavate the failed area; backfill and shape the area; and clear the worksite on completion of work.
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Classification	Infrastructure Works> Road Maintenance
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Available grade	Achieved
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Guidance Information

- 1 The following legislation and regulations must be complied with: Health and Safety in Employment Act 1992; and Health and Safety in Employment Regulations 1995.
- 2 Assessment against this unit standard must take place in a workplace environment. Assessment parameters will depend on company and site specific equipment, procedures, and practices. Practices must reflect industry best practice and comply with legislative requirements.
- 3 The requirements within the following code of practice applying to civil construction operations must be complied with as appropriate to the context of assessment for this unit standard: The current issue of SP/M/010 *Code of Practice for Temporary Traffic Management* (CoPTTM), produced by NZ Transport Agency and available at <http://www.nzta.govt.nz/technical/copttm.jsp>, and such other specifications as are required by the road controlling authority on its network.
- 4 **Definitions**
Company requirements include the policy, procedures, and methodologies of the company. They include legislative and regulatory requirements applicable to the company or a specific site. Requirements are documented in the company’s health and safety plans, traffic management plans, contract work programmes, quality assurance programmes, policies, and procedural documents.
Contract specifications include plans, diagrams, and special technical conditions. They do not include special administrative conditions.
Traffic Management Plan is a document describing the design, implementation, maintenance and removal of temporary traffic management.

Outcomes and performance criteria

Outcome 1

Prepare for the dig-out and repair of unbound pavement layers using granular materials.

Performance criteria

1.1 Site conditions are confirmed in accordance with company requirements.

Range location, extent, drainage, environmental conditions.

1.2 Resources are confirmed with supervisor.

Range materials, equipment, workforce.

1.3 Site is set up in accordance with the Traffic Management Plan.

Outcome 2

Identify and excavate the failed area.

Performance criteria

2.1 The failed area is identified in accordance with the contract specifications.

2.2 The failed material is excavated in accordance with company requirements.

Range cut edge of excavation;
excavation – trim, shape, prepare for backfill.

2.3 The excavated area is assessed to determine suitability for backfill in accordance with company requirements.

Range assessment may include but is not limited to – Clegg impact test,
Scala penetrometer.

Outcome 3

Backfill and shape the area.

Performance criteria

3.1 The area is backfilled and compacted in accordance with contract specifications.

3.2 Shape is compatible with the surrounding finished surface levels.

Outcome 4

Clear the worksite on completion of work.

Performance criteria

- 4.1 Surplus and loose materials are cleared from the site in accordance with company requirements.
- 4.2 Temporary traffic control measures are removed in accordance with company requirements.

Replacement information	This unit standard and unit standard 11306 were replaced by unit standard 31484.
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This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 July 1997	31 December 2014
Review	2	25 September 2006	31 December 2016
Review	3	19 February 2015	31 December 2021
Review	4	27 September 2018	31 December 2021

Consent and Moderation Requirements (CMR) reference	0101
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.