

<b>Title</b>	<b>Use dig-out and stabilisation or modification methods for road maintenance tasks</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>7</b>

<b>Purpose</b>	People credited with this unit standard are able to prepare to carry out road maintenance tasks, carry out dig-outs for road maintenance, and apply stabilisation or modification for road maintenance.
----------------	---

<b>Classification</b>	Infrastructure Works > Road Maintenance
-----------------------	---

<b>Available grade</b>	Achieved
------------------------	----------

---

### Guidance Information

- 1 Legislation relevant to this unit standard includes:  
Health and Safety at Work Act 2015;  
Resource Management Act 1991;  
Health and Safety in Employment Regulations 1995;  
NZTA B/2 *Specification for construction of unbound granular pavement layers.*  
TNZ B/3 *Structural design and construction of flexible unbound pavements;*  
NZTA B/5; *Specification for the in-situ stabilisation of modified pavement layers*  
NZTA B/7; *Specification for the manufacture and construction of plant mixed modified pavement layers.*  
NZTA F/7; *Specification for Geotextiles*  
NZTA M/4: *Specification for basecourse aggregate*  
TNZ M/15: *Lime for use in Soil Stabilisation*, available from  
TNZ M/22 *Unbound road base and sub-base aggregates evaluation*, available from <http://www.nzta.govt.nz/resources/>;  
Territorial Authority guidelines.
- 2 Assessment against this unit standard must take place in a workplace environment. Assessment parameters depend on company and site-specific equipment, procedures, and practices. Practices must reflect industry best practice and comply with legislative requirements.
- 3 Definitions  
*Company requirements* include the policy, procedures, and methodologies of the company. They include legislative and regulatory requirements which may apply across the company or to 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.  
*Dig-out* refers to restoration of road using excavation, backfilling, and compaction.

---

## Outcomes and performance criteria

### Outcome 1

Prepare to carry out road maintenance tasks.

Range dig-out, stabilisation or modification.

### Performance criteria

- 1.1 Area to be maintained is identified and method is selected and confirmed in accordance with contract specifications and company requirements.
- 1.2 Site conditions are checked and confirmed as suitable for restoration to take place.
- 1.3 Plant, equipment, and materials are selected in accordance with method to be employed and company requirements.
- 1.4 Site management and communication requirements are identified and confirmed as in place before commencement of work.

Range site safety plan, environmental plan, traffic management plan.

### Outcome 2

Carry out dig-outs for road maintenance.

### Performance criteria

- 2.1 Identified pavement failure is excavated including trimming, preshaping, and preparation for backfilling in accordance with contract specifications and company requirements.
- 2.2 Testing is carried out and suitability for backfilling is determined in accordance with contract specifications and company requirements.
- 2.3 Area is backfilled, compacted, and shaped to specified bearing capacity and finished surface levels in accordance with contract specifications and company requirements.
- 2.4 Surfaces are laid, shaped and compacted in accordance with contract specifications and company requirements.

### Outcome 3

Apply stabilisation or modification for road maintenance.

Range two of – cement, lime, geotextiles, geotech grid.

**Performance criteria**

3.1 Material is prepared for stabilisation or modification in accordance with contract specifications and company requirements.

Range may include – excavation, trimming, shaping.

3.2 Stabilising or modification material is applied to achieve a uniformly stable surface in accordance with contract specifications and company requirements.

3.3 Surface profile is milled, shaped, and trimmed in accordance with contract specifications and company requirements.

3.4 Surfaces are laid, shaped, and compacted in accordance with contract specifications and company requirements.

<b>Replacement information</b>	This unit standard replaced unit standard 11303 and unit standard 11306.
--------------------------------	--

<b>Planned review date</b>	31 December 2023
----------------------------	------------------

**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	27 September 2018	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0101
--	------

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact Connexis Infrastructure ITO [qualifications@connexis.org.nz](mailto:qualifications@connexis.org.nz) if you wish to suggest changes to the content of this unit standard.