

<b>Title</b>	<b>Construct roads</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>20</b>

<b>Purpose</b>	People credited with this unit standard are able to prepare to carry out road construction, and construct road pavement layers.
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<b>Classification</b>	Infrastructure Works > Road Construction
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<b>Available grade</b>	Achieved
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### 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;  
BS 6031:2009 *Code of practice for earthworks* and  
NZS 4404:2010 *Land development and subdivision*, available from  
<https://www.standards.govt.nz/>;  
TNZ B/02: 2005, *Specification for Construction of Unbound Granular Pavement Layers*,  
NZTA M/04: 2006, *Specification for Basecourse Aggregate*, and  
NZTA F/01 *Specification for Earthworks Construction*, 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.

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## Outcomes and performance criteria

### Outcome 1

Prepare to carry out road construction.

#### Performance criteria

- 1.1 Method of construction and hold points are determined and confirmed in accordance with contract specifications and company requirements.
- 1.2 Plant, equipment and materials are selected in accordance with construction sequence and company requirements.
- 1.3 Road drainage system and subgrade are checked and confirmed as in place and in accordance with contract specifications 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

Construct road pavement layers.

Range subgrade improvement, sub-base, base course.

#### Performance criteria

- 2.1 Layers are placed and spread in a uniform thickness and free of segregation, and any required tapering is carried out in accordance with contract specifications and company requirements.
- 2.2 Compaction of each layer is carried out to achieve a uniform, stable density in accordance with contract specifications and company requirements.
- 2.3 Any required stabilisation is carried out in accordance with contract specifications and company requirements.
- 2.4 Required tests are carried out, results of testing are interpreted, and appropriate action is taken to ensure specified density and/or bearing strength is achieved in accordance with contract specifications and company requirements.
- 2.5 Pavement layers are shaped in accordance with contract specifications and company requirements.
- 2.6 Final levels and cross-falls of materials are checked against control marks and confirmed as in accordance with contract specifications.

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<b>Planned review date</b>	31 December 2023
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**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
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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.