

Title	Construct roads		
Level	4	Credits	20

Purpose	People credited with this unit standard are able to prepare to carry out road construction, and construct road pavement layers.
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Classification	Infrastructure Works > Road Construction
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Available grade	Achieved
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Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with relevant legislative and industry requirements.
- 2 Legislation and references relevant to this unit standard include:
 - Health and Safety at Work Act 2015;
 - Resource Management Act 1991;
 - BS 6031:2009 *Code of practice for earthworks*;
 - 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*;
 - NZTA F/01: *Specification for Earthworks Construction*; available from <http://www.nzta.govt.nz/resources/>;
 and all subsequent amendments and replacements.
- 3 **Definition**
Industry requirements refer to relevant policies, processes, methodologies, industry codes of practice, site specific health and safety plans, standard operating procedures, site safety plans, quality plans, work plans, traffic management plans, contract work programmes, job safety analysis, safe work method statements, job instructions, manufacturer's requirements, contract specifications, manuals, procedural documents. Waka Kotahi New Zealand Transport Agency specifications and guidelines.

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.
- 1.2 Plant, equipment and materials are selected in accordance with construction sequence.
- 1.3 Road drainage system and subgrade are checked and confirmed.
- 1.4 Site management and communication requirements are identified and confirmed as in place before commencement of work.

Range requirements include – 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.
- 2.2 Compaction of each layer is carried out to achieve a uniform, stable density.
- 2.3 Any required stabilisation is carried out.
- 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.
- 2.5 Pavement layers are shaped.
- 2.6 Final levels and cross-falls of materials are checked against control marks.

Planned review date	31 December 2026
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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	31 December 2023
Review	2	30 September 2021	N/A

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>.

Comments on this unit standard

Please contact Connexis - Infrastructure Industry Training Organisation qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.