

Title	Operate a road mill or reclaimer stabiliser on infrastructure worksites		
Level	3	Credits	20

Purpose	People credited with this unit standard are able to: describe mills or reclaimer stabilisers; prepare for road mill or reclaimer stabiliser operations; manoeuvre and control a road mill or reclaimer stabiliser on site; mill and/or mix a pavement layer; and carry out post-operational procedures for a road mill or reclaimer stabiliser.
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Classification	Infrastructure Works > Civil Plant Operation
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Available grade	Achieved
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Prerequisite	Class of driver licence and any driver licence endorsement appropriate for the vehicle being driven.
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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 relevant to this unit standard includes – Health and Safety at Work Act 2015, 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

Describe road mills or reclaimer stabilisers.

Performance criteria

- 1.1 Road mills or reclaimer stabilisers and their controls are described in terms of purpose and function, and correct operation.
- 1.2 Types and weights of road mills or reclaimer stabilisers are described in terms of their capabilities and limitations, and suitability for specific infrastructure works tasks.
- 1.3 Road mills or reclaimer stabilisers are described in terms of their safety features and requirements for safe use.

Outcome 2

Prepare for road mill or reclaimer stabiliser operations.

Performance criteria

- 2.1 Pre-start check of machine and 360 walkaround are carried out prior to start-up and any required actions are taken.

Range machine operation, damage, wear, and tear, cutting edges.
- 2.2 A risk assessment for the site and machine is carried out, and any identified hazards are eliminated or minimised.
- 2.3 Site communication protocols are confirmed.

Outcome 3

Manoeuvre and control a road mill or reclaimer stabiliser on site.

Performance criteria

- 3.1 Mill or stabiliser is manoeuvred on site with adequate clearances and in accordance with job instructions.
- 3.2 Mill or stabiliser controls are used to produce smooth and stable movement.
- 3.3 Road furniture is preserved when manoeuvring mill or stabiliser.
- 3.4 Machine production is maintained at maximum usage relative to the task and the safety of the operator and machine.
- 3.5 Cooperation of road mill or reclaimer stabiliser operator with operators of other plant on the worksite took place.

Outcome 4

Mill and/or mix a pavement layer.

Performance criteria

- 4.1 Surface is milled and/or mixed in accordance with job instructions.
Range depth, line.
- 4.2 If required, milled material is removed and disposed of.

Outcome 5

Complete post-operational procedures for a road mill or reclaimer stabiliser.

Performance criteria

- 5.1 Machine is parked, shut down safely and secured, and daily maintenance is carried out.
- 5.2 Machine is inspected, and any faults are reported.

Replacement information	This unit standard replaced unit standard 22277 and unit standard 22278.
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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.