

Title	Assess and prepare the site for bitumen surfacing construction		
Level	4	Credits	25

Purpose	People credited with this unit standard are able to assess and prepare the site for bitumen surfacing construction.
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Classification	Infrastructure Works > Bitumen Surfacing Construction
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Available grade	Achieved
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Guidance Information

- 1 Learning and assessment within this unit standard must be carried out in an infrastructure works environment and in accordance with the following legislation and codes of practice, as relevant to their role, and any subsequent amendments or replacements:
 - Health and Safety at Work Act 2015;
 - Resource Management Act 1991;
 - Code of Practice: Safe Handling Bituminous Materials Used in Roading;
 - Bitumen Safety Book, both available from <http://nzcontractors.co.nz/Publications>.
- 2 Evidence from three different work sites is required to achieve this unit standard.
- 3 Definitions

Company requirements include the policy, procedures, and methodologies of the company. They include legislative and regulatory requirements that may apply across the company or to a specific site. Requirements are documented in the company health and safety plans, traffic management plans, contract work programmes, quality plans, policies, and procedural documents.

Job specifications are instructions given to the operator prior to undertaking a job. They may include site safety instructions, contract drawings, and written memos.

Safety hazards may refer to practices such as standing on the platform at the rear of the truck, or hazards relating to spraybar or transfer hose blockages, changing onsite conditions, hazardous temperatures, inadequate start up and shut down procedures, pre-heating the spraybar, strainer blockages or wear and tear, spillage, traffic, narrow shoulders, banks, limited passing, fire, and noise.

Outcomes and performance criteria

Outcome 1

Assess the site for bitumen surfacing construction.

Performance criteria

- 1.1 Site assessment is completed, safety hazards are identified, and any changes in site conditions are communicated in accordance with the site safety plan and company requirements.
- 1.2 Site suitability for access and truck movements, transferring chipseal or asphalt, loading and unloading plant, and the disposal of waste materials is confirmed in terms of public safety and company requirements.
- 1.3 Site is inspected for issues and compliance requirements that may impact on the use of equipment and the construction process in accordance with company requirements.
- 1.4 Pre-acceptance of site and site preparation requirements, before laying chipseal or asphalt, are explained in terms of meeting job specifications.
- 1.5 Site for heating, storing and transferring of chipseal or asphalt components is selected with consideration for workers, public, and environmental safety, and is in accordance with company requirements.
- 1.6 Acceptance of the site for spraying and paving is confirmed, and a temporary traffic management plan is in place, in accordance with job specifications.

Outcome 2

Prepare the site for bitumen surfacing construction.

Performance criteria

- 2.1 Areas where surfacing construction, existing base course, underground or site conditions could impact on quality outcomes, are marked, and communicated to the site supervisor.
- 2.2 External affected parties are notified in accordance with company requirements.
- 2.3 Road services are identified, marked and reinstated at the end of the day in accordance with company requirements.
- 2.4 Optimal construction techniques are confirmed with the team onsite prior to job commencement in terms of meeting the outcomes of the quality plan.
- 2.5 Materials and plant for surfacing construction are available when required and in accordance with company requirements.
- 2.6 Quantity and type of chipseal or asphalt delivered on site is checked and matches the job specifications.

Planned review date	31 December 2022
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	14 December 2017	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 ITO qualifications@connexis.org.nz if you wish to suggest changes to the content of this unit standard.