

Title	Implement, monitor, and complete the work plan for the bitumen surfacing construction site		
Level	4	Credits	30

Purpose	People credited with this unit standard are able to implement, monitor, and complete the work plan for the bitumen surfacing construction site.
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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; in accordance with industry requirements, the following legislation, guidelines, as relevant to their role, and any subsequent amendments or replacements:
 - Health and Safety at Work Act 2015;
 - Resource Management Act 1991, available from www.legislation.govt.nz;
 - Best Practice Guideline: Safe Handling of Bituminous Materials Used for Roading (BPG01), available from BPG01 | Civil Contractors NZ;
 - The Bitumen Safety Handbook, available from <https://civilcontractors.co.nz/>.
- 2 Evidence from three different work sites is required to achieve this unit standard.
- 3 Definitions

Industry 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.

Outcomes and performance criteria

Outcome 1

Implement the work plan for the bitumen surfacing construction site.

Performance criteria

- 1.1 Work plan is outlined in accordance with job specifications, and site constraints.
Range schedule of site activities and work sequences.
- 1.2 Sequencing of operations and plant is communicated to the team onsite in accordance with job specifications.
- 1.3 Materials, equipment and resource allocations are confirmed in accordance with the job specifications.
- 1.4 Procedures for risk and health assessments, hazard identification, and emergencies, are identified, communicated to the team onsite, and implemented, in accordance with the site safety plan.
- 1.5 Services requiring protection or reinstatement are identified and documentation is completed in accordance with job specifications.

Outcome 2

Monitor the work plan for the bitumen surfacing construction site.

Performance criteria

- 2.1 Environmental hazards are controlled and monitored on site and any environmental issues are actioned.
- 2.2 Spill prevention and management procedures are completed and monitored.
- 2.3 Conditions are monitored on site and work is terminated when a safety or quality issue is identified.
- 2.4 Site communications are carried out in terms of ensuring the safety, health, and wellbeing of all affected parties.
- 2.5 Issues with plant and equipment and their operation are identified and remedied, in terms of quality outcomes.
- 2.6 Site issues and changes are recorded and escalated to a supervisor.

Outcome 3

Complete the work plan for the bitumen surfacing construction site.

Performance criteria

- 3.1 Site is packed, tidied, and reinstated.
- 3.2 Corrective actions are identified in terms of site works, pavement defects or equipment repairs.

- 3.3 Incidents of environmental non-compliance are reported to relevant personnel.
- 3.4 Reporting and documentation requirements are completed in accordance with job specifications.

Planned review date	31 December 2028
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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	31 December 2026
Review	2	29 June 2023	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 Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at qualifications@WaihangaAraRau.nz if you wish to suggest changes to the content of this unit standard.