



Australian Government

RIICRC304E Maintain sealed roads

Release: 1

RIICRC304E Maintain sealed roads

Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.

Application

This unit describes the skills and knowledge required to maintain sealed roads in civil construction, including repairing damaged or wearing surfaces, edges and pavement fail and sealing surface cracks.

It applies to those working in operational roles. They generally work under minimal supervision to undertake a broad range of tasks in varied work contexts, using some discretion and judgement in selecting equipment, services or contingency measures.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories and industry sectors. Users must check requirements with relevant body before applying the unit.

Unit Sector

Civil construction

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare work to maintain sealed roads	1.1 Obtain, interpret, clarify and confirm work requirements 1.2 Access, interpret and apply documentation required to maintain sealed roads and confirm work activity is compliant 1.3 Identify and address potential risks, hazards and environmental issues, and implement control measures 1.4 Select and wear personal protective equipment according to site requirements 1.5 Identify, obtain, confirm and implement signage and barrier requirements 1.6 Select plant, tools and equipment required to carry out tasks and

ELEMENT	PERFORMANCE CRITERIA
	<p>check for faults</p> <p>1.7 Locate stockpile area in proximity to job site</p>
2. Store, prepare and transport materials	<p>2.1 Store and maintain materials in quantity and condition required for regular maintenance program</p> <p>2.2 Prepare materials to specified mix according to job requirements</p> <p>2.3 Load, transport and unload materials according to job requirements and minimise spillage and water</p>
3. Repair damaged or wearing surfaces and edges	<p>3.1 Identify faults in roads and apply specified repair method according to job requirements</p> <p>3.2 Remove water and loose material from damaged section</p> <p>3.3 Trim section according to job requirements</p> <p>3.4 Prepare base and sides of sections and confirm bonding of repair material according to job requirements</p> <p>3.5 Place and compact material and maintain alignment of surface according to job requirements</p>
4. Repair pavement failures	<p>4.1 Remove water and loose material</p> <p>4.2 Excavate failed area and create a firm base</p> <p>4.3 Trim edges and confirm appropriate adhesion of repair material</p> <p>4.4 Place and compact material and maintain alignment of surface according to job requirements</p>
5. Repair and seal surface cracks	<p>5.1 Identify cracks and surface drainage conditions and determine appropriate repair and sealing process</p> <p>5.2 Clear cracks of foreign materials</p> <p>5.3 Apply sealant to cracks and finish</p>
6. Conduct clean-up activities	<p>6.1 Clear work area and dispose of or recycle materials according to site requirements</p> <p>6.2 Protect storm water systems according to site requirements</p> <p>6.3 Clean, check, maintain and store plant, tools and equipment according to manufacturer specifications and site requirements</p>

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Numeracy	<ul style="list-style-type: none"> Calculates basic measurements including mass and dimensions

SKILL	DESCRIPTION
Self-management	<ul style="list-style-type: none">• Monitors and minimises own exposure to worksite risks and hazards during work activities

Unit Mapping Information

Supersedes and is equivalent to RIICRC304D Maintain sealed roads.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>