



Australian Government

RIICRC310D Construct and maintain roads

Release: 1

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Modification History

Not applicable.

Application

This unit describes a participant's skills and knowledge required to construct and maintain roads in Civil Construction.

This unit is appropriate for those working in operational roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and Industry sectors. Relevant information must be sourced prior to application of the unit.

Unit Sector

Civil construction

Elements and Performance Criteria

<p>1. Prepare for road construction and maintenance</p>	<p>1.1 Access, interpret and apply road construction and maintenance documentation and ensure the work activity is compliant</p> <p>1.2 Obtain, read, interpret, clarify and confirm work requirements</p> <p>1.3 Identify and address potential risks, hazards and environmental issues, and implement control measures</p> <p>1.4 Select and wear correct personal protective equipment appropriate for work activities</p> <p>1.5 Identify, obtain, confirm and implement signage requirements</p> <p>1.6 Receive, interpret and clarify shift changeover details</p> <p>1.7 Select and check for faults all tools and equipment to carry out tasks</p> <p>1.8 Locate ancillary services and mark services out before work commences</p> <p>1.9 Conduct equipment pre-start checks and ensure equipment is ready for operation</p>
<p>2. Construct roads</p>	<p>2.1 Conform to specified road construction characteristics and location</p> <p>2.2 Peg road detailing direction and shape</p> <p>2.3 Prepare road sub-base so that road material can be applied to meet planned road characteristics</p> <p>2.4 Construct road surface to achieve required traction, manoeuvrability and stable haul surface for all vehicles and personnel</p> <p>2.5 Erect and construct road signage and safety barriers to avoid damage to equipment, avoid injury to personnel, protect surrounding vegetated areas and delineated roadways</p> <p>2.6 Construct drains and water crossing points to aid the removal of run-off, avoid accumulation of excessive water, and minimise road and environmental damage</p>
<p>3. Maintain roads</p>	<p>3.1 Assess road conditions regularly for compliance with road design characteristics</p> <p>3.2 Maintain condition of roads in relation to volume of traffic and future requirements</p> <p>3.3 Identify, repair and/or report damage to road to appropriate authorities</p> <p>3.4 Maintain effective drainage for the removal of excess water and ensure safe operating surface</p> <p>3.5 Monitor, redesign and remake areas subject to excessive wear</p>

	and tear to meet design characteristics
	3.6 Maintain the road surface utilising approved dust suppressants
4. Clean up	4.1 Clear work area and recycle or dispose of materials
	4.2 Clean, check, maintain and store plant, tools and equipment

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIICRC310A Construct and maintain roads

Links

SkillsDMC RII Companion Volumes - <http://www.skillsdmc.com.au/>