



Australian Government

RIICRC311D Conduct concrete road paver operations

Release: 2

RIICRC311D Conduct concrete road paver operations

Modification History

Release	Comment
1	This unit replaces RIICRC311 Conduct concrete road paver operations
2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Application

This unit describes a participant's skills and knowledge required to conduct concrete road paver operations 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

1. Plan and prepare for conducting concrete road paver operations	1.1 Access, interpret and apply concrete road paver operations documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and address potential risks, hazards and environmental issues, and implement control measures 1.4 Select and wear correct personal protective equipment appropriate for work activities 1.5 Identify, obtain, confirm and implement signage requirements 1.6 Select and check for faults all plant, tools and equipment to carry out tasks 1.7 Identify type of pavement required
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2. Set up concrete road paver	2.1 Set up paver width and settings in accordance with job specification and plans 2.2 Use paving drawings and survey markings to establish work area 2.3 Conduct pre-start and maintenance checks
3. Operate concrete road paver	3.1 Make adjustments to sensors and controls while paving 3.2 Use communication systems and hand signals within workplace specifications 3.3 Operate paver within machinery guidelines and job specifications 3.4 Complete shut-down and park-up procedures as per machine and site instructions 3.5 Complete required written documentation and report concerns to appropriate personnel
4. Clean up	4.1 Conduct wash down procedures within worksite and manufacturer's specifications 4.2 Clean-up work area and dispose of or recycle materials 4.3 Clean, check, maintain and store plant and tools

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

RIICRC311A Conduct concrete road paver operations

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for RIICRC311D Conduct concrete road paver operations

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Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies applicable documentation, policies and procedures
- implements the of requirements, procedures and techniques for the safe, effective and efficient completion of concrete road paver operations including:
 - accessing, interpreting and applying documentation relevant to conducting concrete road paver operations
 - identifying and applying relevant specifications to all work activities
 - identifying, addressing and reporting potential hazards and risks
 - identifying, obtaining, confirming and implementing signage requirements
 - selecting and checking for faults all plant, tools and equipment to carry out tasks
 - identifying, addressing and reporting environmental issues
- works effectively with others to undertake and complete concrete road paver operations that meets all of the required outcomes including:
 - preparing for and organising work activities to meet all task requirements
 - communicating clearly and concisely with others to receive and clarify work instructions
 - using a range of communication techniques and aids to advise others of work activity and exclusion zones
 - monitoring movements and hazards and identifying and communicating changes to the work environment during the work process

- demonstrates completion of conducting concrete road paver operations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - setting up concrete road paver
 - operating concrete road paver making adjustments to sensors and controls while paving
 - using communication systems and hand signals within workplace specifications
 - clearing work area and disposing of, recycling or storing materials
 - cleaning, checking, maintaining and storing plant, tools and equipment
 - conducting road paver operations are to be performed for a minimum of two (2) different concrete types/surface types:
 - no – fines
 - kerb – gutter
 - base
 - sub-base
 - type F barrier
 - shoulder
 - continuous reinforced concrete pavement
 - and are to include the following tasks:
 - formation within recommended lateral tilt values
 - mixing and spreading granular materials
 - spreading concrete materials
 - mixing and spreading stabilised materials
 - and cover as a minimum
 - three (3) longitudinal jointsof at least one hundred metres (100m)to be constructed to required thickness, uniformity, line and level, on both matching and unsupported edge in accordance with project specifications and/or work instructions
 - five (5) occasions of straight paving (one (1) of at least one hundred (100) linear metres) to required thickness, uniformity, line and level, on both matching and unsupported edge in accordance with project specifications and/or work instructions
 - one (1) intersection to required thickness, uniformity, line and level, on both matching and unsupported edge in accordance with project specifications and/or work instructions

Knowledge Evidence

The candidate must demonstrate knowledge in conducting concrete road paver operations through:

- accessing, interpreting and applying the organisation and site requirements and procedures for:
 - identifying and managing risks

- identifying, addressing and reporting environmental issues
- setting up work activity
- site isolation, signage, erecting barriers and traffic control
- work health and safety
- managing waste
- selecting and checking for faults, all tools and equipment to carry out tasks
- carrying out work to specifications
- manufacturer's design specifications
- applying effective techniques for concrete road paver operations

Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit must be assessed in the context of this sector's work environment; and,
- this unit must be assessed in compliance with relevant legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,
- assessment may be conducted in conjunction with the assessment of other Units of Competency; and,
- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,
- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through the minimum years of current* work experience specified below in an Industry sector relevant to the outcomes of the unit; or,
- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an Industry subject matter expert. The Industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An Industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the Industry sector, including time spent in roles related to the unit being assessed; and,
- assessor and Industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or Industry Sector as follows:

Industry sector	AQF** Level	Required assessor or Industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Construction	1	1 Year
	2	2 Years
Drilling, Coal Mining and Extractive	3-6	3 Years

(Quarrying)		
Metalliferous Mining and Civil Construction	3-6	5 Years
Other sectors	Where this Unit is being assessed outside of the Resources and Infrastructure Sectors assessor and/or Industry subject matter expert experience should be in-line with industry standards for the sector in which it is being assessed and where no Industry standard is specified should comply with any relevant regulation.	

*Assessors can demonstrate current work experience through employment within Industry in a role relevant to the outcomes of the Unit; or, for external assessors this can be demonstrated through exposure to Industry by conducting frequent site assessments across various locations.

**Where a unit is being delivered outside of a Qualification the first numeric character in the Unit code should be considered to indicate the AQF level

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