



Australian Government

RIICRC307D Conduct road pavement construction

Release: 2

RIICRC307D Conduct road pavement construction

Modification History

Release	Comment
1	This unit replaces RIICRC307A Conduct road pavement construction
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 road pavement construction 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 work to conduct road pavement construction	1.1 Access, interpret and apply road pavement construction 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 and barrier requirements 1.6 Select and check for faults all plant, tools and equipment to carry out tasks 1.7 Survey the work area for ease of access and movement of
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	materials safely
2. Set out sub-base/base	2.1 Set out job to plan from survey controls 2.2 Establish offset pegs/profiles to line and level as specified
3. Place and spread materials	3.1 Determine layer depth for spreading materials and inform plant operators accordingly 3.2 Direct trucks to correct location and specify the method of dispatching for load placement 3.3 Check moisture content of materials and adjust uniformly 3.4 Assess road pavement laying to ensure specified heights and the overall dimensions are achieved
4. Compact materials	4.1 Inform roller operators of the required number of passes 4.2 Assess compaction process to ensure the nominated number of passes are made to achieve uniform compaction across the pavement 4.3 Check pavement trimming to ensure specified tolerances are achieved
5. Clean up	5.1 Clear work area and dispose of or recycle materials 5.2 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

RIICRC307A Conduct road pavement construction

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 RIICRC307D Conduct road pavement construction

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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 requirements, procedures and techniques for the safe, effective and efficient completion of road pavement construction including:
 - accessing, interpreting and applying documentation relevant to road pavement construction
 - 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
 - surveying the work area for ease of access and movement of materials safely
 - correctly identifying compaction standards and testing requirements
- identifying, addressing and reporting environmental issues and ground conditions works effectively with others to undertake and complete the road pavement construction 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 road pavement construction that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - construction of a road pavement to drawing and specifications
 - setting out sub-base/base to requirements
 - placing and spreading materials by determining layer depth for spreading materials
 - informing plant operators accordingly
 - providing directions to trucks specifying method of dispatching for load placement
 - checking moisture content of materials and adjusting uniformly
 - assessing road pavement laying to ensure specified heights and the overall dimensions are achieved compacting materials correctly
 - clearing work area and disposing of, recycling or storing materials
 - cleaning, checking, maintaining and storing plant, tools and equipment

Knowledge Evidence

The candidate must demonstrate knowledge in conducting road pavement construction through:

- accessing, interpreting and applying 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, tools and equipment to carry out tasks
 - compaction standards and testing requirements
 - general plant operations and capabilities
 - carrying out work to specifications
 - applying effective techniques for road pavement construction

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 (Quarrying)	3-6	3 Years
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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