



Australian Government

RIICBM305D Install pre-cast concrete bridge decks

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIICBM305A Install pre-cast concrete bridge decks
2	Corrected Knowledge Evidence formatting. 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 apply install pre-cast concrete bridge decks 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.

Pre-requisite Unit

Elements and Performance Criteria

1. Plan and prepare to install pre-cast concrete bridge decks	<p>1.1 Access, interpret and apply documentation to install pre-cast concrete bridge decks and ensure the work activity is compliant</p> <p>1.2 Obtain, interpret, clarify and confirm work instructions before proceeding</p> <p>1.3 Confirm and apply environmental protection and safety requirements</p> <p>1.4 Obtain, interpret and implement traffic management signage</p> <p>1.5 Select and check for faults plant, tools and equipment to carry out tasks</p> <p>1.6 Identify, address and report hazards, risks and environmental</p>
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	issues 1.7 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency
2. Install bearings	2.1 Determine bearing types and position 2.2 Check bearing dimensions and material for quality 2.3 Install bearings 2.4 Identify locating brackets/bolts and install in preparation for placement of girders
3. Install concrete bridge deck	3.1 Prepare deck components for grouting prior to placement 3.2 Place deck components 3.3 Carry out and complete pre-fabricated concrete decking grouting 3.4 Insert and tension pre-fabricated concrete decking transverse stressing bar 3.5 Grout transverse stressing bar 3.6 Grout anchor bolts 3.7 Place and specify deck joints of pre-fabricated decking and scuppers
4. Fix bridge fittings	4.1 Fit posts and bridge rails 4.2 Assemble and install pre-fabricated stairs
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

RIICBM305A Install pre-cast concrete bridge decks

Links

Companion Volume implementation guides are found in VETNet -

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