



**Australian Government**

# **RIICBM305E Install pre-cast concrete bridge decks**

**Release: 1**

# RIICBM305E Install pre-cast concrete bridge decks

## 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 install pre-cast concrete bridge decks in civil construction, including installing bearings and concrete bridge decking, as well as installing pre-fabricated stairs on multi-span bridges.

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.

## Pre-requisite Unit

CPCCLDG3001A Licence to perform dogging

## 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 to install pre-cast concrete bridge deck	1.1 Obtain, interpret, clarify and confirm work instructions 1.2 Access, interpret and apply documentation required to install pre-cast concrete bridge decks and confirm work activity is compliant 1.3 Obtain and interpret emergency procedures, and identify steps required to respond to emergencies 1.4 Select and wear personal protective equipment according to site requirements 1.5 Confirm and identify requirements for complying with environmental protection, safety and traffic management signage

<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b>
	requirements 1.6 Identify, address and report hazards, risks and environmental issues 1.7 Select plant, tools and equipment required to carry out tasks and check for faults 1.8 Identify, confirm, and locate materials required for work application
2. Install bearing	2.1 Determine bearing types and position according to job requirements 2.2 Confirm quality of bearing dimensions and material 2.3 Install bearings according to job and site requirements 2.4 Identify locating brackets and install according to job requirements
3. Install deck components and grout	3.1 Prepare deck components for grouting 3.2 Place deck components according to job requirements 3.3 Carry out pre-cast concrete decking grouting according to job requirements 3.4 Insert and tension pre-cast concrete decking transverse stressing bar according to job requirements 3.5 Grout transverse stressing bar 3.6 Grout anchor bolts 3.7 Place and specify deck joints of pre-cast decking and scuppers according to job requirements
4. Fix bridge fittings	4.1 Fit posts and bridge rails according to job requirements 4.2 Assemble and install pre-fabricated stairs according to job requirements
5. Conduct clean-up activities	5.1 Clear work area and dispose of or recycle materials according to site requirements 5.2 Clean, check, perform maintenance on and store plant, tools and equipment according to manufacturer specifications and site requirements

## Foundation Skills

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

<b>SKILL</b>	<b>DESCRIPTION</b>
Oral communication	<ul style="list-style-type: none"> <li>Identifies and interprets information from verbal instructions</li> <li>Conveys information and instructions to others verbally</li> </ul>

Self-management	<ul style="list-style-type: none"><li>• Monitors and minimises own exposure to worksite risks and hazards during work activities</li></ul>
Teamwork	<ul style="list-style-type: none"><li>• Works with others to complete tasks</li></ul>

## Unit Mapping Information

Supersedes and is not equivalent to RIICBM305D Install pre-cast concrete bridge decks.

## Links

Companion Volume Implementation Guide is found on VETNet -

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