



**Australian Government**

# **RIICBM302E Install pre-cast girders**

**Release: 1**

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## RIICBM302E Install pre-cast girders

### 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 girders in civil construction. This includes installing bearings and pre-cast concrete girders on multi-span bridges with a minimum length of twenty metres.

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

### Unit Sector

Civil construction

### 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 girders	1.1 Obtain, interpret, clarify and confirm work instructions 1.2 Access, interpret and apply documentation required to install pre-cast girders 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

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<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b>
	<p>requirements</p> <p>1.5 Confirm and identify requirements for complying with environmental protection, safety and traffic management signage requirements</p> <p>1.6 Identify, address and report environmental issues, potential hazards and risks</p> <p>1.7 Select plant, tools and equipment required to carry out tasks and check for faults</p> <p>1.8 Identify, confirm, and locate materials required for work application</p>
2. Position and install bearings	<p>2.1 Determine bearing types and position according to job requirements</p> <p>2.2 Confirm quality of bearing dimensions and materials</p> <p>2.3 Install bearings according to job and site requirements</p> <p>2.4 Identify and install locating brackets and bolts in preparation for placement of girders</p>
3. Install girder	<p>3.1 Determine individual girder location according to job requirements</p> <p>3.2 Determine fitting sequence to install girders and advise crane operator</p> <p>3.3 Confirm girders conform to design requirements</p> <p>3.4 Check lifting points on girders for serviceability and attach and use tag lines to guide girder to position according to job requirements</p> <p>3.5 Place timber packing to support girder load</p> <p>3.6 Use drift to align holes and insert and tension locating bolts according to job requirements</p> <p>3.7 Adjust bearings such that the full face of the bearing provides support to the girder</p> <p>3.8 Brace girder to prevent lateral movement or rolling</p> <p>3.9 Remove, roll and store tag lines according to job and site requirements</p> <p>3.10 Remove excess epoxy putty according to job and site requirements</p> <p>3.11 Remove timber packing at specified time according to job and site requirements</p>
4. Conduct clean up activities	<p>4.1 Clear work area and dispose of or recycle materials according to site requirements</p> <p>4.2 Clean, check, perform maintenance on and store plant, tools and equipment according to manufacturer specifications and site requirements</p>

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## Foundation Skills

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

SKILL	DESCRIPTION
Numeracy	<ul style="list-style-type: none"><li>Calculates basic measurements including mass and dimensions</li></ul>
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 RIICBM302D Install pre-cast girders.

## Links

Companion Volume Implementation Guide is found on VETNet -

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

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