



**Australian Government**

# **RIICBM302D Install pre-cast girders**

**Release: 2**

## RIICBM302D Install pre-cast girders

### Modification History

Release	Comments
1	This unit replaces RIICBM302A Install pre-cast girders
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 apply install pre-cast girders 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 to install pre-cast girders	1.1 Access, interpret and apply pre-cast girder installation documentation and ensure the work activity is compliant 1.2 Obtain, interpret, clarify and confirm work instructions before proceeding 1.3 Confirm and apply environmental protection and safety requirements 1.4 Obtain, interpret and implement traffic management signage 1.5 Select and check for faults plant, tools and equipment to carry out tasks 1.6 Identify, address and report environmental issues, potential
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	<p>hazards and risks</p> <p>1.7 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency</p>
2. Install bearings	<p>2.1 Determine bearing types and position</p> <p>2.2 Check bearing dimensions and materials for quality</p> <p>2.3 Install bearings</p> <p>2.4 Identify and install locating brackets/bolts in preparation for the placement of girders</p>
3. Install girders	<p>3.1 Determine individual girder location</p> <p>3.2 Determine fitting sequence to install girders and advise the crane operator</p> <p>3.3 Check girders for conformity to design prior to lifting</p> <p>3.4 Check lifting points on girders for serviceability and attach and use tag lines to guide girder to position</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</p> <p>3.7 Adjust bearings to provide support across the full face of the bearing 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</p> <p>3.10 Remove excess epoxy putty or mortar</p> <p>3.11 Remove timber packing at specified time</p>
4. Clean up	<p>4.1 Clear work area and dispose of or recycle materials</p> <p>4.2 Clean, check, maintain and store plant, tools and equipment</p>

## 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

RIICBM302A Install pre-cast girders

## **Links**

Companion Volume implementation guides are found in VETNet -

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