



**Australian Government**

# **RIICBM303E Install pre-cast parapets**

**Release: 1**

## RIICBM303E Install pre-cast parapets

### 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 parapets in civil construction, including positioning, fixing and finishing pre-cast parapets 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.

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

<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b>
	1.6 Identify, address and report environmental issues, potential hazards and risks 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. Confirm parapet design and location	2.1 Confirm stirrup spacing aligns with spacing of cast in ligatures and brackets 2.2 Determine individual pre-cast parapet unit location according to job requirements 2.3 Determine sequence of parapet installation and carry out according to job requirements 2.4 Confirm parapets conform to design 2.5 Check lifting points on pre-cast units for serviceability
3. Align and install parapet	3.1 Raise pre-cast parapet end unit to allow fitting of bracket 3.2 Manoeuvre pre-cast parapet unit into the vertical position 3.3 Guide pre-cast parapet unit into approximate position and attach locating bolts to cast in brackets 3.4 Establish vertical and horizontal alignment of pre-cast parapet end units and tighten bolts 3.5 Install intermediate pre-cast parapet units in position according to job requirements 3.6 Confirm height and alignment of pre-cast units meet specifications according to job requirements 3.7 Adjust intermediate pre-cast parapet units to design alignment and tighten locating bolts 3.8 Install anchor cable and fix ends
4. Finish parapet	4.1 Install services and fittings according to job requirements 4.2 Fit joints with foam inserts and grout 4.3 Form up and prepare cast in-situ infills of the pre-cast units 4.4 Place concrete and finish according to job requirements 4.5 Dismantle formwork and remove from site according to site 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>
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>

## Unit Mapping Information

Supersedes and is equivalent to RIICBM303D Install pre-cast parapets.

## Links

Companion Volume Implementation Guide is found on VETNet -

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