



**Australian Government**

# **RIICTB307E Assemble and disassemble temporary modular bridges**

**Release: 1**

# RIICTB307E Assemble and disassemble temporary modular bridges

## 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 assemble and disassemble temporary modular bridges in civil construction. This includes assembling, checking and launching a full temporary modular bridge, including all components, connections and fittings, and conducting disassembly.

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 assemble a temporary modular bridge	1.1 Obtain, interpret and confirm work instructions 1.2 Access, interpret and apply documentation required to assemble and disassemble temporary modular bridges 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

<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b>
	1.5 Confirm and identify requirements for complying with environmental protection, safety and traffic management signage requirements 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. Assemble temporary bridge components	2.1 Confirm condition of components and discard faulty parts 2.2 Compile components and confirm inventory according to job requirements 2.3 Mark location points for high capacity panelling according to job requirements 2.4 Sequence assembly process according to job requirements 2.5 Assemble interlocking components using connections and fittings 2.6 Re-check completed assembly according to job requirements
3. Launch temporary bridge	3.1 Set out starting approach site according to job requirements 3.2 Set out arrival approach site with receiving bearings 3.3 Position temporary bridge on starting approach according to job requirements 3.4 Fit launching nose, inclined upwards, to the first module 3.5 Set up launching pad on starting approach 3.6 Roll out temporary bridge by winching 3.7 Cantilever temporary bridge modules at angle required to reach arrival approach and launch, according to job requirements 3.8 Fit launching nose and end module to receiving bearings at arrival approach
4. Disassemble temporary bridge components	4.1 Sequence disassembly process according to job requirements 4.2 Disassemble interlocking components including connections and fittings 4.3 Compile components and confirm inventory according to job requirements 4.4 Confirm condition of components and discard faulty parts 4.5 Store components according to manufacturer specifications and 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 machinery, tools and equipment according to manufacturer specifications and site

ELEMENT	PERFORMANCE CRITERIA
	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.*

SKILL	DESCRIPTION
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 RIICTB307D Assemble a temporary modular bridge.

## Links

Companion Volume Implementation Guide is found on VETNet -

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