



Australian Government

**RIICTB303E Erect temporary modular
support systems (baileys) on existing
bridges**

Release: 1

RIICTB303E Erect temporary modular support systems (baileys) on existing 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 erect temporary modular support systems (baileys) on existing bridges in civil construction including setting out, sequencing, constructing and disassembling temporary modular support systems.

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 erect a temporary modular support system	1.1 Obtain, interpret, clarify and confirm work instructions 1.2 Access, interpret and apply documentation required to erect temporary modular support systems (baileys) 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

ELEMENT	PERFORMANCE CRITERIA
	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. Set out support system	2.1 Assess load bearing capacity of support directly under the support system 2.2 Set out bearing locations according to job requirements 2.3 Install supplementary supports according to job requirements
3. Assemble temporary modular bridge	3.1 Select resources, materials and equipment according to job requirements 3.2 Confirm serviceability of components and replace faulty parts 3.3 Compile components and confirm inventory according to job requirements 3.4 Mark location points for high capacity panelling according to job requirements 3.5 Sequence assembly process according to job requirements 3.6 Assemble interlocking components using connections and fittings according to job requirements 3.7 Confirm completed assembly
4. Disassemble temporary modular bridge	4.1 Sequence disassembly process according to job requirements 4.2 Select resources, materials and equipment according to job requirements 4.3 Disassemble interlocking components including connections and fittings 4.4 Compile components and confirm inventory according to job requirements 4.5 Assess condition of components for acceptable reuse according to site and equipment safety requirements 4.6 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 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
Numeracy	<ul style="list-style-type: none"> Calculates basic measurements including mass and dimensions
Oral communication	<ul style="list-style-type: none"> Identifies and interprets information from verbal instructions Conveys information and instructions to others verbally
Self-management	<ul style="list-style-type: none"> Monitors and minimises own exposure to worksite risks and hazards during work activities

Unit Mapping Information

Supersedes and is equivalent to RIICTB303D Erect a temporary modular support system (bailey) on an existing bridge.

Links

Companion Volume Implementation Guide is found on VETNet -

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