



Australian Government

RIICBM301E Maintain concrete bridges

Release: 1

RIICBM301E Maintain concrete 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 maintain concrete bridges in civil construction, including inspecting, reporting and repairing concrete bridges.

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 maintain concrete bridge	1.1 Obtain, interpret, clarify and confirm work instructions 1.2 Access, interpret and apply documentation required to perform maintenance on concrete 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 1.5 Confirm and identify requirements for complying with environmental protection, safety and traffic management signage requirements

ELEMENT	PERFORMANCE CRITERIA
	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. Repair bridge	2.1 Follow work order of repairs and maintenance according to job requirements 2.2 Inspect bridge structure to confirm type and extent of fault 2.3 Report deterioration of existing faults or new faults 2.4 Carry out repairs and maintenance of bridge structure according to job requirements 2.5 Report completed repairs and maintenance, documenting new faults according to job 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"> 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
Writing	<ul style="list-style-type: none"> Communicates and documents information in written form

Unit Mapping Information

Supersedes and is equivalent to RIICBM301D Maintain concrete bridges.

Links

Companion Volume Implementation Guide is found on VETNet -

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