



Australian Government

RIICBM306E Undertake concreting work on concrete bridges

Release: 1

RIICBM306E Undertake concreting work on 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 undertake concreting work on concrete bridges in civil construction. This includes concrete placing, finishing and curing to the finished form for cast in-situ decks, footings, pile caps, abutments and piers or headstocks.

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 undertake concreting work	1.1 Obtain, interpret, clarify and confirm work instructions 1.2 Access, interpret and apply documentation required to undertake concreting work 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

ELEMENT	PERFORMANCE CRITERIA
	requirements 1.6 Identify, address and report hazards, risks and environmental issues 1.7 Select plant, tools and equipment to carry out tasks and check for faults 1.8 Identify, confirm, and locate materials required for work application
2. Place concrete	2.1 Identify and confirm location and design of concrete work according to job requirements 2.2 Remove debris and waste from pour area according to site requirements 2.3 Apply release agent according to job requirements 2.4 Pour concrete in horizontal layers up to levels indicated by markers, level pegs or lines 2.5 Implement methods to avoid segregation 2.6 Consolidate poured concrete according to job requirements
3. Finish concrete	3.1 Screed concrete to required levels using appropriate straight edged tool or formwork mounted screeds, according to job requirements 3.2 Float screeded concrete surface according to job requirements 3.3 Define control and structural joints and finish edges 3.4 Finish concrete surface according to job requirements
4. Cure concrete	4.1 Perform maintenance on curing method on concrete surface according to job requirements 4.2 Barricade area according to site requirements to protect concrete during curing
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.

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
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Unit Mapping Information

Supersedes and is equivalent to RIICBM306D Undertake concreting work on concrete bridges

Links

Companion Volume Implementation Guide is found on VETNet -

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