



Australian Government

RIICBM307E Construct formwork and false work on concrete bridges

Release: 1

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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 construct formwork and false work on concrete bridges in civil construction, including erecting, inspecting and dismantling formwork and false work on concrete 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 construct formwork and falsework	1.1 Obtain, interpret, clarify and confirm work instructions 1.2 Access, interpret and apply documentation required to construct formwork and false 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

ELEMENT	PERFORMANCE CRITERIA
	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. Prepare for formwork and false work erection	2.1 Identify and confirm location and design of formwork and false work according to job requirements 2.2 Place key set out locations according to job requirements 2.3 Prepare work area and materials for formwork and false work erection 2.4 Assemble formwork shutters according to job requirements 2.5 Erect formwork support system sequentially according to job requirements 2.6 Check scaffolding and hand railing as required 2.7 Place bracing of formwork according to job requirements 2.8 Set support system to specified height level, line and tolerance according to job requirements
3. Erect formwork	3.1 Fabricate, position and fix formwork for beams, drop panels and cantilevers into place according to job requirements 3.2 Assemble, erect and fix formwork for walls into place, plumb and to specified tolerance according to job requirements 3.3 Fabricate, position and fix soffit formwork into place according to job requirements 3.4 Fix edge boxing to formwork in specified position according to job requirements and plumb to alignment. 3.5 Brace formwork 3.6 Install cast-ins, inserts and penetration blocks to locations according to job requirements
4. Inspect formwork	4.1 Inspect erected formwork and formwork support system, including for safety and quality of work 4.2 Remove waste material according to site requirements 4.3 Apply release agent to formwork 4.4 Monitor formwork and support system during concrete pour
5. Strip of formwork	5.1 Obtain approval to remove formwork and false work support from required authorities 5.2 Remove edge boxing and braces, de-nail, clean and store according

ELEMENT	PERFORMANCE CRITERIA
	<p>to site requirements</p> <p>5.3 Back off support system to specified height to loosen soffit decking according to job requirements</p> <p>5.4 Remove formwork, denail and relocate or store according to job and site requirements</p> <p>5.5 Select and install back propping system as required</p>
6. Conduct clean-up activities	<p>6.1 Clear work area and dispose of or recycle materials according to site requirements</p> <p>6.2 Clean, check, perform maintenance on and store plant, tools and equipment according to manufacturer specifications and site requirements</p>

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 RIICBM307D Construct formwork and false 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>