



**Australian Government**

# **RIICTB305E Install or replace super-structure members**

**Release: 1**

## RIICTB305E Install or replace super-structure members

### 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 install or replace super-structure members in civil construction including installing and dismantling temporary supports, fitting new members and applying durability treatments to facilitate installation or replacement.

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. Relevant information must be sourced prior to application of the unit. 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 install or replace super-structure members	1.1 Obtain, interpret and confirm work instructions 1.2 Access, interpret and apply documentation required to install or replace super-structure members 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
	<p>environmental protection, safety and traffic management signage requirements</p> <p>1.6 Identify, address and report environmental issues, potential hazards and risks</p> <p>1.7 Select plant, tools and equipment to carry out tasks and check for faults</p> <p>1.8 Identify, confirm, and locate materials required for work application</p>
2. Install temporary supports	<p>2.1 Locate and level bed logs according to job requirements</p> <p>2.2 Bolt temporary headers to girders</p> <p>2.3 Position toms and jacks on bed logs according to job requirements</p> <p>2.4 Install temporary bracing according to job requirements</p> <p>2.5 Loosen existing bolts to allow movement and access</p> <p>2.6 Jack structure to allow removal of defective part according to job requirements</p>
3. Install and secure members	<p>3.1 Remove defective members according to job requirements</p> <p>3.2 Measure and prepare members for installation according to job requirements</p> <p>3.3 Fit new members according to job requirements</p> <p>3.4 Apply durability treatments to new members</p> <p>3.5 Install connectors to new super-structure members according to job requirements</p> <p>3.6 Remove temporary supports after new members are secured</p> <p>3.7 Remove temporary headers and bed logs and return bridge to its settle point</p>
4. Conduct clean-up activities	<p>4.1 Clear work area and dispose of or recycle materials according to site requirements</p> <p>4.2 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"><li>• Calculates basic measurements including mass and dimensions</li></ul>
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 RIICTB305D Install or replace super-structure members.

## Links

Companion Volume Implementation Guide is found on VETNet -

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