



## TLILIC0006 Licence to operate a bridge or gantry crane (CB) Course Information

### Objective

This unit specifies the skills and knowledge required to operate bridge cranes and gantry cranes safely.

Bridge crane means a crane that consists of a bridge beam or beams, that are mounted to end carriages at each end, can travel along elevated runways, and has 1 or more hoisting mechanisms arranged to traverse across the bridge.

Gantry crane means a crane that consists of a bridge beam or beams supported at one or both ends by legs mounted to end carriages, can travel on supporting surfaces or deck levels, whether fixed or not, and has a crab with 1 or more hoisting units arranged to travel across the bridge.

This course covers the activities of a person operating a bridge or gantry crane that is controlled from a permanent cabin or control station on the crane, or remotely controlled and having more than 3 powered operations. A person performing this work is required to hold a bridge or gantry crane high risk work licence (CB).

This is a nationally recognised training course and successful completion will lead to the issuance of a Statement of Attainment in TLILIC0006. However, competence in this unit does not in itself result in a HRW licence to operate this plant (please see below under Licensing).

This unit replaces and is equivalent to TLILIC3003 Licence to operate a bridge or gantry crane.

### Who should attend

This course is suitable for individuals operating a bridge or gantry crane who are required to plan, prepare and perform work/tasks, including conducting routine checks, setting up crane, transferring loads, shutting down and securing the crane and packing up the work area.

### Pre requisites

*Dogging (DG) HRWL* - A person undertaking this unit must hold a current national HRW licence to perform dogging or a current certification for a specific VET course for HRWL to perform dogging that has been issued by or on behalf of a WHS Regulator.

Candidates must be 18 or over at commencement of this course.

### Licensing/Regulatory information

This unit is based on the licencing requirements of Part 4.5 of the Model Work Health and Safety Regulations and meets Commonwealth, State and Territory High Risk Work Licencing requirements. On successful completion of this unit you will receive a Bridge or Gantry Crane HRWL (CB) which will be issued by Worksafe WA. For further information on high risk work licencing requirements please visit WorkSafe WA <https://www.commerce.wa.gov.au/worksafe/what-high-risk-work-licence>.

**Language, literacy and numeracy (LLN) requirements**

Successful completion of this course requires you to have reasonable levels of language, literacy and numeracy (LLN) ability. Specifically, you will be required to use verbal communication skills to communicate with others in the workplace, literacy skills to read and interpret workplace documents, writing skills to prepare simple reports and complete maintenance records, and numeracy skills to perform calculation and interpret numerical information.

*Please note that all assessments for this unit must be conducted in the English language. The use of an interpreter is not permitted.*

Samples of the course LLN requirements are available from our Administration team.

**Recognition of Prior Learning (RPL)**

RPL is available for this unit. For more information contact our Administration team regarding eligibility.

**Estimated duration**

3 days of approx. 8 hours per day for a maximum of 6 candidates.

**Expected mode of delivery**

This course is conducted via face-to-face workshop in an on-the-job or off-the-job environment. Learners participate in class room based theory presentation and discussion, learning and assessment before undertaking practice opportunities followed by practical assessments. All theory and practical learning and assessment activities are completed within the workshops. There is no pre-reading, external course work or work placements required. Candidates are provided with a comprehensive Learner Guide for reading and note taking.

**Assessment**

All assessments are carried out using assessment instruments and instructions endorsed by WorkSafe WA. The written/oral WorkSafe WA assessment must be completed before the practical assessment is completed. Assessment activities include the following:

- Theory knowledge test (written or oral)
- Calculations assessment (must be answered in writing)
- Performance of the following practical activities including:
  - Hazard identification and risk controls
  - Conduct pre start checks (crane visual inspection)
  - Conduct post start checks
  - Test lift
  - Operation of crane to the full range of its capability (safe moving of loads)
  - Correctly interpret and act on communications
  - Shut down and secure

For further information on the assessment requirements please contact our Administration team.

**Course fees**

On request.

**Funding**

You may be eligible to claim up to 80% of your course cost through the Building and Construction Industry Training Fund (BCITF). To find out if you are eligible please call BCITF on 9244 0100 or ask our staff.

Please note that Tom Price and Sons is not a VET FEE Help provider.

### **Course content**

The following is a summary of the course content. If you require further detail please contact our Administration team.

- WHS legislation, workplace standards, requirements, policies and procedures for conducting operations for the mobile non-slewing crane
- workplace instructions, safety information and emergency procedures
- roles and responsibilities of duty holders
- hazards and risk assessment management and mitigation strategies including traffic management and setting up an exclusion zone
- appropriate worksite communication procedures, devices and signals
- bridge and gantry crane characteristics and capabilities
- crane configuration, load charts and mathematical calculations
- test-lifting load to allow for operational checks
- prestart checks, operational checks, start up, shut down and pack up of crane as per manufacturer requirements
- impact of factors affecting lifts
- safely operation of a bridge or gantry crane
- problems and applying appropriate response procedures to unplanned and/or unsafe situations and environmental conditions
- recording, reporting and maintaining workplace records and information.

### **Frequently asked questions**

*Q. Can I do this course in my workplace?*

A. On site training and assessment must be organised through a workplace supervisor to ensure that all the required materials and a suitable working area is made available to suit the assessment and workplace. All assessment will be conducted under standard and authorised work practices, time lines, safety requirements and environmental constraints.

Should you require more information or have any further questions please contact our Administration team on 9726 0812.