

Queensland



IPWEA

INSTITUTE OF PUBLIC WORKS
ENGINEERING AUSTRALASIA

**INFORMS. CONNECTS.
REPRESENTS. LEADS.**

**Onsite & customised
courses to meet your needs.**

Bridge Inspection Levels 1 & 2

Overview

Bridges and other structures are crucial asset elements of the infrastructure network. It is essential that their condition is monitored and repairs are planned and completed in an efficient and timely manner. The systematic inspection, condition rating and monitoring of these assets are vital components to managing the lifecycle of these structures.

A Level 1 routine maintenance inspection is required to check the general serviceability of the structure, particularly for the safety of road users, and identify any emerging problems.

A Level 2 condition rating inspection is a key step in assessing the effectiveness of past maintenance treatments and identifying current maintenance needs to assist in the forecasting future changes in condition and estimating future budget requirements of structures across the network.

This course will provide attendees with the knowledge and skills required to conduct Levels 1 & 2 structures inspection in accordance with the Department of Transport and Main Roads Structures Inspection Manual.

Who should attend

This course has been designed for workers involved in the maintenance and rehabilitation of bridges and major structures.

Typical attendees include:

- ✓ Engineers
- ✓ Supervisors
- ✓ Inspectors
- ✓ Consultants
- ✓ Contractors
- ✓ Leading hands

Outcomes

Participants will be proved with a Certificate of Attendance for this program.

This course provides the underpinning knowledge for the national unit of competency RIICGS405D Carry out inspections of civil structures. Participants wishing to complete this

unit will be required to submit a minimum of two (2) completed inspections demonstrating the requisite knowledge and skills to an RTO with this unit on their scope of registration. IPWEAQ can assist in this process.

Learning Strategies

- ✓ Lectures
- ✓ Case studies
- ✓ Group Discussions
- ✓ In-class activities
- ✓ Site inspections

Content

- ✓ Introduction to structures inspections
- ✓ Structure types and their components
- ✓ Identifying common defects
- ✓ Access and equipment requirements
- ✓ Inspection Forms and Data Recording
- ✓ The Inspection Process
- ✓ Reporting
- ✓ Safe work practices

**CPD Points
for CPEng
& RPEQ
18 hours**



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