



Australian Government

RIICRC209D Lay reinforced concrete box culverts

Release: 2

RIICRC209D Lay reinforced concrete box culverts

Modification History

Release	Comment
1	This unit replaces RIICRC209A Lay reinforced concrete box culverts
2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Application

This unit describes a participant's skills and knowledge required to lay reinforced concrete box culverts in Civil Construction.

This unit is appropriate for those working in operational roles.

Licensing, legislative, regulatory 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.

Unit Sector

Civil construction

Elements and Performance Criteria

1. Plan and prepare to lay reinforced concrete box culverts	<p>1.1 Access, interpret and apply reinforced concrete box culverts laying documentation and ensure the work activity is compliant</p> <p>1.2 Obtain, read, interpret, clarify and confirm work requirements</p> <p>1.3 Identify and address potential risks, hazards and environmental issues, and implement control measures</p> <p>1.4 Select and wear correct personal protective equipment appropriate for work activities</p> <p>1.5 Identify, obtain, confirm and implement signage requirements</p> <p>1.6 Select and check for faults all plant, tools and equipment to carry out tasks</p> <p>1.7 Check box culverts (RCBC) units to ensure conformity to</p>
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	<p>relevant drawing and job specifications</p> <p>1.8 Confirm plant and/or crane requirements to assist in preparing ground and placing box culverts</p>
2. Set out and excavation	<p>2.1 Determine location and depths of excavation from job drawings</p> <p>2.2 Set out and clearly mark excavation location</p> <p>2.3 Advise plant operator of excavation requirements</p> <p>2.4 Check excavation depths and grades to conform with plans and specifications</p> <p>2.5 Compact and prepare foundations base for testing</p>
3. Construct concrete base	<p>3.1 Set out and construct formwork to required dimensions</p> <p>3.2 Place steel reinforcement to specifications</p> <p>3.3 Form recesses in slab as specified</p> <p>3.4 Connect and tighten hold down anchors to specified requirements</p> <p>3.5 Place, compact, finish and cure concrete to specified requirements</p>
4. Lay culvert units	<p>4.1 Place continuous mortar bed to support legs</p> <p>4.2 Lower and position RCBC units to line and level on supporting slab</p> <p>4.3 Connect hold down anchors to RCBC units</p> <p>4.4 Finish joints between RCBC units to specification</p> <p>4.5 Infill space between legs of multiple culverts to specification</p> <p>4.6 Install spanning slabs where specified for multiple culverts</p> <p>4.7 Cut off and treat lifting lugs</p> <p>4.8 Finish inlet and outlet of culvert</p> <p>4.9 Advise plant operator of compaction and backfill requirements and backfill culvert to required finish level</p>
5. Clean up	<p>5.1 Clear work area and dispose of or recycle materials</p> <p>5.2 Clean, check, maintain and store tools and equipment</p>

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIICRC209A Lay reinforced concrete box culverts

Links

Companion Volume implementation guides are found in VETNet -

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