



Australian Government

RIICTC302D Line tunnel

Release: 2

RIICTC302D Line tunnel

Modification History

Release	Comment
1	This unit replaces RIICTC302A Line tunnel
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 line tunnels 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 line tunnel	<p>1.1 Access, interpret and apply tunnel lining documentation and ensure the work activity is compliant</p> <p>1.2 Obtain, interpret, clarify and confirm work instructions before proceeding</p> <p>1.3 Identify, obtain and implement the traffic signage requirements</p> <p>1.4 Select and wear personal protective equipment appropriate for work activities</p> <p>1.5 Select and check for faults plant, tools and equipment to carry out tasks</p> <p>1.6 Identify, address and report environmental issues, potential hazards and risks</p>
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	1.7 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency
2. Prepare tunnel face for concrete/shotcrete	2.1 Install rock anchors and/or bolts to designed locations 2.2 Prepare reinforcing mesh in accordance with tunnel shape and designed lining, where specified 2.3 Locate and secure reinforcing mesh in place 2.4 Fix dowels to wall face to provide depth gauge to thickness of concrete/shotcrete 2.5 Install drainage to the tunnel roof and walls where specified
3. Line/shotcrete tunnel face	3.1 Set up pump, pipelines and spray equipment and check for serviceability and operation 3.2 Prepare and control shotcrete mix 3.3 Operate pump 3.4 Prepare formwork and set to specifications 3.5 Provide support to shotcreter in monitoring supply and assist with elevated platform and allied equipment 3.6 Apply shotcrete consistently
4. Clean up	4.1 Clear work area and dispose of or recycle materials 4.2 Clean, check, maintain and store plant, tools and equipment 4.3 Carry out housekeeping activities

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

RIICTC302A Line tunnel

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>