



Australian Government

RIICTT303D Control micro tunnelling and pipe-jacking

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIICTT303A Control micro tunnelling and pipe-jacking
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 develops a participant's skills and knowledge required to control micro tunnelling and pipe-jacking in Civil construction.

This unit is appropriate for those working in operational roles.

No licensing, legislation or certification requirements apply to this unit at the time of publication.

Unit Sector

Civil construction

Elements and Performance Criteria

1. Plan and prepare to control micro tunnelling and pipe-jacking	1.1 Access, interpret and apply documentation and procedures for controlling micro tunnelling and pipe-jacking and ensure compliance to the work activity 1.2 Obtain, confirm and apply written and verbal work instructions 1.3 Obtain, confirm and apply safety requirements from the site safety plan 1.4 Identify, obtain and implement signage requirements from the project traffic management plan 1.5 Identify and select plant, tools and equipment, check for serviceability and rectify or report any faults 1.6 Identify, confirm and apply environmental protection requirements from the project environmental management plan,
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2. Prepare for boring operations	2.1 Determine location, alignment direction, level and grade of bore from drawings and specifications 2.2 Use above and below ground survey instruments to determine the bore pathway for underground vertical and horizontal alignment 2.3 Conduct visual geological investigation of alignment to determine the differing soil types and groundwater conditions 2.4 Select bore head and drilling fluid for the strata 2.5 Position, anchor/stake down boring equipment
3. Conduct equipment checks	3.1 Identify, confirm and apply safety requirements 3.2 Carry out start-up, shutdown and communication procedures 3.3 Check equipment controls and functions, including implements or other attachments, anchors and/or stabilising equipment for serviceability and report faults 3.4 Conduct inspection and fault finding 3.5 Carry out equipment maintenance tasks regularly
4. Drive bore hole	4.1 Construct launch and receiving pits to accommodate bore rig and tools 4.2 Identify and implement trench collapse prevention for launch and receiving pits 4.3 Establish thrust wall in accordance with pipe size and soil characteristics 4.4 Determine traverse line of pilot hole to receiving pit 4.5 Confirm traverse line of pilot hole to receiving pit at specified distances 4.6 Collect and dispose spoil 4.7 Select and attach augers to drilling machine 4.8 Jack through casings/pipes to receiving pit 4.9 Monitor equipment for continuity of production in varied site conditions
5. Clean up	5.1 Clear work area and dispose of, reuse or recycle materials 5.2 Clean, check, maintain and store plant, tools and equipment

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

RIICTT303A Control micro tunnelling and pipe-jacking

Links

Companion Volume implementation guides are found in VETNet -

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