RIICCM209D Carry out concrete work

Release: 3

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Modification History

Release	Comment
1	This unit replaces RIICCM209A Carry out concrete work.
2	Editorial corrections Amended Performance Evidence.
3	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 carry out concrete work 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 for concrete work	1.1 Access, interpret and apply concrete work documentation, and ensure the work activity is compliant
	1.2 Obtain, read, interpret, clarify and confirm work requirements
	1.3 Identify and address potential risks, hazards and environmental issues, and implement control measures
	1.4 Select and wear personal protective equipment appropriate for work activities
	1.5 Identify, obtain and implement traffic signage requirements
	1.6 Select, and check for faults, equipment and/or attachments for

	work activities
	1.7 Identify environmental protection requirements
	1.8 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency
2. Select materials	2.1 Determine location requirements of steel reinforcement and formwork
	2.2 Confirm reinforcement requirements
	2.3 Select formwork components/materials
	2.4 Select and use fixing/fasteners
3. Set out for concrete work	3.1 Set string lines accurately from existing pegs
	3.2 Check grades and ensure correct fall
	3.3 Identify services, protect and prevent damage
4. Construct and fit reinforcement	4.1 Cut and bend reinforcing fabric and bars
	4.2 Tie/fix fabric and bars to configuration
	4.3 Attach stiffening rods to panels as required to facilitate handling
	4.4 Locate reinforcement material in formwork, and place it on bar chairs/spacers, and confirm clearance from formwork
	4.5 Locate and secure cast-ins
5. Erect formwork	5.1 Clear work area and prepare surface for erection of formwork
	5.2 Set out formwork
	5.3 Assemble/erect and brace formwork
	5.4 Position expansion joints to specification and to relevant Australian standard
	5.5 Position dowel joints
	5.6 Remove debris, sawdust and other waste material from formwork
	5.7 Apply release agent to manufacturer's specifications
6. Carry out concrete work	6.1 Place concrete to specified levels and grades and avoid segregation
	6.2 Compact concrete using immersion vibrator or other specified method
	6.3 Screed, finish and apply curing process to concrete

	6.4	Cover and protect concrete surface
7. Strip formwork	7.1	Remove edge boxing and braces sequentially
	7.2	Denail, clean, store/stack timber components
	7.3	Clean, oil, store/stack steel components
	7.4	Discard damaged formwork components after stripping
	7.5	Clean screens before movement
8. Conduct housekeeping activities	8.1	Clear work area and dispose of or recycle materials
	8.2	Clean and maintain condition of equipment, ensure suitability for use, and address/report issues
	8.3	Manage/report hazards, and maintain a safe working environment
	8.4	Process written records

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

RIICCM209A Carry out concrete work

Links

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