



Australian Government

RII30912 Certificate III in Civil Construction

Release 2

RII30912 Certificate III in Civil Construction

Modification History

CPCCCM2007A Use explosive power tools code change to CPCCCM2007B Use explosive power tools

Description

This qualification reflects the role of a skilled operator working in civil construction, who applies a broad range of skills in a varied work context, using some discretion and judgement and relevant theoretical knowledge.

The qualification applies to specialist occupations in Bituminous Surfacing Bridge Construction and Maintenance, Pipe Laying, Road Construction and Maintenance, Road Marking, Tunnel Construction, Timber Bridge Construction and Maintenance and Civil Construction general occupations. The individual may provide theoretical advice and support a team.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

The following table includes a summary of the employability skills as identified by the resources and infrastructure industry for this qualification. The table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes required here are broad industry requirements that may vary depending on packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> • speak clearly and directly • listen carefully to instructions and information • read and interpret work instructions and safety signs • calculate basic weights, distances and volumes • complete incident and maintenance reports • adjust communication style to meet the needs of people with diverse backgrounds
Teamwork	<ul style="list-style-type: none"> • apply teamwork in a range of situations, particularly in a safety context • contribute to the planning and execution of operations • work cooperatively with people of different ages, gender, race, religion or political persuasion and people with disability • recognise and respond sensitively to people from culturally and linguistically diverse backgrounds
Problem-solving	<ul style="list-style-type: none"> • adjust work methods in response to changing weather and site conditions • participate in team solutions to safety issues
Initiative and enterprise	<ul style="list-style-type: none"> • independently adapt to changing work conditions or different work areas • identify potential improvements to working practice and conditions • identify and assess risks in the workplace
Planning and organising	<ul style="list-style-type: none"> • manage time and priorities to complete work • identify and obtain appropriate equipment and permits • identify potential hazards and prepare appropriate responses • follow procedures and techniques relevant to the equipment and work being done
Self-management	<ul style="list-style-type: none"> • take responsibility for planning and organising own work priorities and completing assigned tasks • monitor own performance to ensure work will be completed well and on time • understand the standard of work expected at a work site
Learning	<ul style="list-style-type: none"> • be willing to learn new ways of working • seek information to improve performance from people and

	<p>workplace documents like policies, procedures etc</p> <ul style="list-style-type: none">• understand equipment characteristics, technical capabilities, limitations and procedures
Technology	<ul style="list-style-type: none">• use technology to monitor and report on work progress• use communications technology appropriate to the workplace (email, mobile, radio, etc)

Packaging Rules

Requirements for completion of the qualification

The following table provides the packaging rules for this qualification, followed by the list of relevant units of competency.

The qualification has core and elective units of competency requirements that cover the general and specialist skills for seven (7) specialist and one (1) general civil construction stream.

Stream 1 – Bituminous Surfacing

Stream 2 – Bridge Construction and Maintenance

Stream 3 – Pipe Laying

Stream 4 – Road Construction and Maintenance

Stream 5 – Road Marking

Stream 6 – Tunnel Construction

Stream 7 – Timber Bridge Construction and Maintenance

Stream 8 – Civil Construction General

The core units and requirements of one (1) stream must be met for award of this qualification.

The following units of competency are required:

Stream 1 – Bituminous Surfacing

Successful completion of twenty five (25) units of competency made up of:

seven (7) core units, plus seven (7) Group A units plus

eleven (11) elective units of which:

- at least six (6) must come from the Group B electives listed below including at least three (3) bituminous surfacing units at AQF 3 level (CBS3) OR at least two (2) bituminous surfacing units at AQF 3 level (CBS3) and one (1) at AQF 4 level (CBS4)

- up to five (5) units may come from AQF 2, 3 or 4 level from this, or any other Training Package

- up to three (3) units of competency may come from an AQF 2, 3 or 4 level accredited course

Stream 2 – Bridge Construction and Maintenance

Successful completion of twenty five (25) units of competency made up of:

seven (7) core units, plus eight (8) Group C units plus

ten (10) elective units of which:

- at least five (5) must come from the Group D electives listed below including at least two (2) bridge maintenance units at AQF 3 level (CBM3)

- up to five (5) units may come from AQF 2, 3 or 4 level from this, or any other Training Package

- up to three (3) units of competency may come from an AQF 2, 3 or 4 level accredited course

Stream 3 – Pipe Laying

Successful completion of twenty five (25) units of competency made up of:

seven (7) core units, plus ten (10) Group E units plus

eight (8) elective units of which:

- at least three (3) must come from the Group F electives listed below of which at least one (1) marked *

- at least four (4) of the units must be at AQF 3 level

- up to five (5) units may come from AQF 2, 3 or 4 level from this, or any other Training Package

- up to three (3) units of competency may come from an AQF 2, 3 or 4 level accredited course

Stream 4 – Road Construction and Maintenance

Successful completion of twenty five (25) units of competency made up of:

seven (7) core units, plus nine (9) Group G units plus

nine (9) elective units of which:

- at least four (4) must be road construction (CRC) units from the Group H electives listed below including at least two (2) at AQF 3 level - at least four (4) of the total elective units must be at AQF 3 level
- up to five (5) unit may come from AQF 2, 3 or 4 level from this, or any other Training Package
- up to three (3) units of competency may come from an AQF 2, 3 or 4 level accredited course

Stream 5 – Road Marking

Successful completion of twenty two (22) units of competency made up of:

seven (7) core units, plus four (4) Group I units plus

eleven (11) elective units of which:

- at least seven (7) must come from the Group J electives listed below including a minimum of five (5) road marking (CRM) units of which one (1) must be at AQF 3 level
- up to four (4) units may come from AQF 2, 3 or 4 level from this, or any other Training Package
- up to two (2) units of competency may come from an AQF 2, 3 or 4 level accredited course

Stream 6 – Tunnel Construction

Successful completion of twenty five (25) units of competency made up of:

seven (7) core units, plus eight (8) Group K units plus

ten (10) elective units of which:

- at least five (5) must come from the Group L electives listed below including a minimum of three (3) units at AQF 3 level, of which at least two (2) must be tunnel construction (CTC) units
- up to five (5) units may come from AQF 2, 3 or 4 level from this, or any other Training Package - up to three (3) units of competency may come from an AQF 2, 3 or 4 level accredited course

Stream 7 – Timber Bridge Construction and Maintenance

Successful completion of twenty eight (28) units of competency made up of:

seven (7) core units, plus twelve (12) Group M units plus nine (9) elective units of which:

- at least five (5) must come from the Group N electives listed below including a minimum of two (2) units at AQF 3 level
- up to four (4) units may come from AQF 2, 3 or 4 level from this, or any other Training Package
- up to three (3) units of competency may come from an AQF 2, 3 or 4 level accredited course

Stream 8 – Civil Construction General

Successful completion of twenty five (25) units of competency made up of:

seven (7) core units, plus eighteen (18) elective units of which:

- at least thirteen (13) must come from the Group O electives or the Group P high risk work electives list below including at least ten (10) at AQF 3 level

- up to five (5) units may come from AQF 2, 3 or 4 level from this, or any other Training Package
- up to three (3) units of competency may come from an AQF 2, 3 or 4 level accredited course

Units of competency chosen must

- be relevant to the competency requirements for the job function
- reflect the competency profile for the occupation at the enterprise level
- in the case of accredited course units of competency, not duplicate in part or in whole any unit from a Training Package.

There are both licenced and non-licenced units of competency relating to high risk work in the RII09 Resources and Infrastructure Industry Training Package. To be appointed under any statutory requirements in related roles, units of competency should be demonstrated to meet the state/territory licensing requirements. State/territory licensing requirements need to be confirmed by the Registered Training Organisation delivering and/or assessing the competency.

Care must be taken to ensure that all prerequisites specified within imported units, or units chosen as electives, are complied with.

Core units of competency	
<i>Unit code</i>	<i>Unit title</i>
RIIBEF201A	Plan and organise work
RIICCM201A	Carry out measurements and calculations
RIICCM203A	Read and interpret plans and specifications
RIICOM201A	Communicate in the workplace
RIIOHS201A	Work safely and follow OHS policies and procedures
RIISAM203B	Use hand and power tools
RIISAM204B	Operate small plant and equipment
Group A Specialist Group - Bituminous Surfacing	
<i>Unit code</i>	<i>Unit title</i>
RIICBS202A	Hand spread asphalt
RIICBS203A	Safely handle bituminous materials
RIICBS207A	Take samples of materials used in road surfacing
RIICCM207A	Spread and compact materials manually

RIIOHS302A	Implement traffic management plan
RIIMG301A	Maintain site records
RIISAM201A	Handle resources and infrastructure materials and safely dispose of non toxic materials
Group B Specialist Group - Bituminous Surfacing Electives	
<i>Unit code</i>	<i>Unit title</i>
BSBCUS301B	Deliver and monitor a service to customers
BSBFLM305C	Support operational plan
BSBFLM312B	Contribute to team effectiveness
RIICBS201A	Conduct tack coat spraying operations
RIICBS204A	Conduct aggregate spreader box operations
RIICBS205A	Roll aggregate in sprayed sealing operations
RIICBS206A	Conduct pavement sweeping operations
RIICBS208A	Conduct road maintenance operations
RIICBS301A	Conduct profile planer operations
RIICBS302A	Conduct paver screeding operations
RIICBS303A	Conduct materials transfer vehicle operations
RIICBS304A	Compact asphalt with rollers
RIICBS305A	Conduct asphalt paver operations
RIICBS306A	Conduct slurry sealing operations
RIICBS307A	Conduct bitumen sprayer operations
RIICBS308A	Load aggregate using a purpose built loader
RIICBS309A	Conduct self-propelled aggregate spreader operations
RIICBS310A	Conduct patching operations
RIICBS311A	Produce asphalt products

RIICBS312A	Conduct bitumen tanker operations
RIICBS402B	Apply the principles for the application of bituminous sprayed treatment
RIICCM205A	Carry out manual excavation
RIICBS303A	Conduct materials transfer vehicle operations
RIICBS304A	Compact asphalt with rollers
RIICBS305A	Conduct asphalt paver operations
RIICBS306A	Conduct slurry sealing operations
RIICBS307A	Conduct bitumen sprayer operations
RIICBS308A	Load aggregate using a purpose built loader
RIICBS309A	Conduct self-propelled aggregate spreader operations
RIICBS310A	Conduct patching operations
RIICBS311A	Produce asphalt products
RIIVEH304B	Conduct tip truck operations
Group C Specialist Group –Bridge Construction and Maintenance	
<i>Unit code</i>	<i>Unit title</i>
RIICCM202A	Identify, locate and protect underground services
RIICCM205A	Carry out manual excavation
RIICCM206A	Support plant operations
RIICCM207A	Spread and compact materials manually
RIICCM208A	Carry out basic levelling
RIIOHS302A	Implement traffic management plan
RIISAM201A	Handle resources and infrastructure materials and safely dispose of non toxic materials
RIIWMG203A	Drain and dewater civil construction site
Group D Specialist Group – Bridge Construction and Maintenance Electives	

<i>Unit code</i>	<i>Unit title</i>
PCCCM2007A	Use explosive power tools
CPCCSF2004A	Place and fix reinforcement materials
RIICBM201A	Strip pile heads
RIICBM301A	Maintain concrete bridges
RIICBM302A	Install pre-cast girders
RIICBM303A	Install pre-cast parapets
RIICBM304A	Operate a bridge inspection unit
RIICBM305A	Install pre-cast concrete bridge decks
RIICBM306A	Undertake concreting work on concrete bridges
RIICBM307A	Construct formwork and false work on concrete bridges
RIICCM209A	Carry out concrete work
RIICCM210A	Install trench support
RIICCM211A	Erect and dismantle temporary fencing and gates
RIICCM301A	Construct and dismantle fences and gates
RIICRC201A	Repair potholes
RIICRC208A	Lay pipes
RIIHAN208A	Perform dogging
RIIHAN211A	Conduct basic scaffolding operations
RIIHAN301A	Operate elevating work platform
RIIHAN302A	Conduct intermediate scaffolding operations
RIIMG301A	Maintain site records
RIIOHS202A	Enter and work in confined spaces
RIIOHS205A	Control traffic with stop-slow bat
RIIRIS201B	Conduct local risk control

RIISAM205A	Cut, weld and bend materials
RIIWMG301A	Control construction site water table
Group E Specialist Group – Pipe Laying	
<i>Unit code</i>	<i>Unit title</i>
RIICCM202A	Identify, locate and protect underground services
RIICCM205A	Carry out manual excavation
RIICCM206A	Support plant operations
RIICCM207A	Spread and compact materials manually
RIICCM208A	Carry out basic levelling
RIIOHS302A	Implement traffic management plan
RIISAM201A	Handle resources and infrastructure materials and safely dispose of non toxic materials
RIIWMG203A	Drain and dewater civil construction site
RIICCM210A	Install trench support
RIICRC208A	Lay pipes
Group F Specialist Group – Pipe Laying Electives	
<i>Unit code</i>	<i>Unit title</i>
CPCCM2007A	Use explosive power tools
RIICCM209A	Carry out concrete work
RIICCM211A	Erect and dismantle temporary fencing and gates
RIICCM301A	Construct and dismantle fences and gates
RIICPL301A*	Install water mains pipelines
RIICPL302A*	Install storm water systems
RIICPL303A*	Install sewer pipelines
RIICPL304A	Install pre-cast gully pits

RIICPL305A	Install pre-case access chambers
RIICRC201A	Repair potholes
RIICRC203A	Install sub-soil drainage
RIICRC209A	Lay reinforced concrete box culverts
RIICRC301A	Maintain drainage systems
RIIHAN208A	Perform dogging
RIIHAN211A	Conduct basic scaffolding operations
RIIHAN301A	Operate elevating work platform
RIIMG301A	Maintain site records
RIIMPO327A	Conduct pipe layer operations
RIIOHS202A	Enter and work in confined spaces
RIIOHS205A	Control traffic with stop-slow bat
RIIRIS201A	Conduct local risk control
RIISAM205A	Cut, weld and bend materials
RIIWMG301A	Control construction site water table
UEGNSG202A	Construct and lay distribution pipelines
Group G Specialist Group – Road Construction and Maintenance	
<i>Unit code</i>	<i>Unit title</i>
RIICCM202A	Identify, locate and protect underground services
RIICCM205A	Carry out manual excavation
RIICCM206A	Support plant operations
RIICCM207A	Spread and compact materials manually
RIICCM208A	Carry out basic levelling
RIICRC201A	Repair potholes
RIIOHS302A	Implement traffic management plan

RIISAM201A	Handle resources and infrastructure materials and safely dispose of non toxic materials
RIIWMG203A	Drain and dewater civil construction site
Group H Specialist Group – Road Construction and Maintenance Electives	
<i>Unit code</i>	<i>Unit title</i>
CPCCCM2007A	Use explosive power tools
CPCCSF2004A	Place and fix reinforcement materials
FPICOT2221B	Trim and cross cut felled trees
FPIFGM3212	Fall trees manually (intermediate)
RIICBS202A	Hand spread asphalt
RIICBS203A	Safely handle bituminous materials
RIICBS301A	Conduct profile planer operations
RIICCM209A	Carry out concrete work
RIICCM210A	Install trench support
RIICCM211A	Erect and dismantle temporary fencing and gates
RIICCM301A	Construct and dismantle fences and gates
RIICPL302A	Install storm water systems
RIICPL304A	Install pre-cast gully pits
RIICPL305A	Install pre-cast access chambers
RIICRC202A	Install signs
RIICRC203A	Install sub-soil drainage
RIICRC204A	Install and maintain roadside fixtures
RIICRC205A	Install utility poles
RIICRC206A	Install pre-cast concrete crash barriers
RIICRC207A	Install noise barriers

RIICRC208A	Lay pipes
RIICRC209A	Lay reinforced concrete box culverts
RIICRC301A	Maintain drainage systems
RIICRC302A	Place and form concrete kerb, channel and fixtures
RIICRC303A	Lay pavers
RIICRC304A	Maintain sealed roads
RIICRC305A	Conduct road construction paver screeding operations
RIICRC306A	Conduct earthworks
RIICRC307A	Conduct road pavement construction
RIICRC309A	Conduct stabiliser operations
RIICRC311	Conduct concrete road paver operations
RIICRC312	Setup and maintain concrete paver stringlines
RIICRC313	Conduct concrete road curing and texturing operations
RIICRC314	Handle concrete materials
RIICRC315	Use concreting materials and equipment
RIICRC316	Place and compact concrete
RIICRC317	Finish concrete pavements
RIICRC318	Cure concrete
RIICRC319	Saw and cut concrete pavements to initiate planned cracks
RIICRC320	Seal concrete pavements
RIICRC321	Use automated paving guidance systems
RIICRC322	Receive, check and record concrete deliveries
RIICRC323	Insert tie bars in fresh concrete
RIIHAN201A	Operate a forklift
RIIHAN208A	Perform dogging

RIIHAN211A	Conduct basic scaffolding operations
RIIHAN301A	Operate elevating work platform
RIIHAN307A	Operate a vehicle loading crane
RIIMG301A	Maintain site records
RIIOHS202A	Enter and work in confined spaces
RIIOHS205A	Control traffic with stop-slow bat
RIIRIS201B	Conduct local risk control
RIISAM205A	Cut, weld and bend materials
RIIWMG301A	Control construction site water table
TLID3011A	Conduct specialised forklift operations
Group I Specialist Group – Road Marking	
<i>Unit code</i>	<i>Unit title</i>
RIICRM202A	Handle and store road marking materials
RIICRM204A	Prepare surface for road marking
RIIOHS302A	Implement traffic management plan
RIISAM201A	Handle resources and infrastructure materials and safely dispose of non toxic materials
Group J Specialist Group – Road Marking Electives	
<i>Unit code</i>	<i>Unit title</i>
RIICCM205A	Carry out manual excavation
RIICCM206A	Support plant operations
RIICCM208A	Carry out basic levelling
RIICCM209A	Carry out concrete work
RIICRC202A	Install signs
RIICRM201A	Escort mobile road marking operations

RIICRM203A	Conduct pedestrian road marking operations
RIICRM205A	Conduct road marking measuring operations
RIICRM206A	Conduct airless and atomised spraying operations
RIICRM207A	Install raised pavement markers
RIICRM301A	Conduct ride on road marking operations
RIICRM302A	Conduct long line road marking operations
RIICRM303A	Conduct thermo plastic road marking operations
RIIHAN201A	Operate a forklift
RIIHAN208A	Perform dogging
RIIHAN301A	Operate elevating work platform
RIIHAN307A	Operate a vehicle loading crane
RIIMG301A	Maintain site records
RIIOHS205A	Control traffic with stop-slow bat
RIIRIS201B	Conduct local risk control
RIISAM205A	Cut, weld and bend materials
Group K Specialist Group –Tunnel Construction	
<i>Unit code</i>	<i>Unit title</i>
RIICCM202A	Identify, locate and protect underground services
RIICCM205A	Carry out manual excavation
RIICCM206A	Support plant operations
RIICCM207A	Spread and compact materials manually
RIICCM208A	Carry out basic levelling
RIICRC203A	Install sub-soil drainage
RIISAM201A	Handle resources and infrastructure materials and safely dispose of non toxic materials

RIIWMG203A	Drain and dewater civil construction site
Group L Specialist Group – Tunnel Construction Electives	
<i>Unit code</i>	<i>Unit title</i>
CPCCCM2007A	Use explosive power tools
RIIBLA202A	Support underground shotfiring operations
RIIBLA205A	Store, handle and transport explosives
RIIBLA303A	Conduct underground development shotfiring
RIICCM209A	Carry out concrete work
RIICCM210A	Install trench support
RIICCM211A	Erect and dismantle temporary fencing and gates
RIICCM301A	Construct and dismantle fences and gates
RIICFW302A	Install temporary and permanent rock anchors
RIICFW303A	Install primary ground support
RIICRC201A	Repair potholes
RIICRC208A	Lay pipes
RIICRC301A	Maintain drainage systems
RIICTC301A	Install tunnelling constructions services
RIICTC302A	Line tunnel
RIICTC303A	Excavate tunnel by machine
RIICTC304A	Muck out tunnel earthworks
RIICTC305A	Construct portals
RIIHAN208A	Perform dogging
RIIHAN211A	Conduct basic scaffolding operations
RIIHAN301A	Operate elevating work platform
RIIOHS202A	Enter and work in confined spaces

RIIOHS205A	Control traffic with stop-slow bat
RIIOHS302A	Implement traffic management plan
RIIRIS201A	Conduct local risk control
RIISAM205A	Cut, weld and bend materials
RIIUND310	Apply shot-crete
Group M Specialist Group – Timber Bridge Construction and Maintenance	
<i>Unit code</i>	<i>Unit title</i>
RIICCM202A	Identify, locate and protect underground services
RIICCM205A	Carry out manual excavation
RIICCM206A	Support plant operations
RIICCM210A	Install trench support
RIICTB201A	Maintain timber bridges
RIICTB301A	Undertake visual inspection
RIICTB302A	Install temporary support members
RIICTB304A	Install or replace sub-structure members
RIICTB305A	Install or replace super-structure members
RIICTB306A	Splice and connect timber members
RIIOHS202A	Enter and work in confined spaces
RIISAM201A	Handle resources and infrastructure materials and safely dispose of non toxic materials
Group N Specialist Group – Timber Bridge Construction and Maintenance Electives	
<i>Unit code</i>	<i>Unit title</i>
FPICOT2239A	Trim and cut felled trees
RIICBM304A	Operate a bridge inspection unit
RIICBM307A	Construct formwork and false work on concrete bridges

RIICCM207A	Spread and compact materials manually
RIICCM208A	Carry out basic levelling
RIICCM209A	Carry out concrete work
RIICCM301A	Construct and dismantle fences and gates
RIICFW304A	Conduct pile driving operations
RIICFW306A	Direct pile driving operations
RIICTB202A	Apply bridge durability treatment
RIICTB203A	Produce drawings and sketches
RIICTB303A	Erect a temporary modular support system (bailey) on an existing bridge
RIICTB307A	Assemble a temporary modular bridge
RIICTB308A	Install or replace truss members
RIICTB309A	Construct, maintain and remove coffer dams
RIICTB310A	Construct specialised timber deck systems
RIIHAN208A	Perform dogging
RIIHAN211A	Conduct basic scaffolding operations
RIIHAN302A	Conduct intermediate scaffolding operations
RIIOHS205A	Control traffic with stop-slow bat
RIIOHS302A	Implement traffic management plan
RIIRIS201B	Conduct local risk control
RIISAM205A	Cut, weld and bend materials
RIIWMG203A	Drain and dewater civil construction site
Group O Specialist Group – Civil Construction General Electives	
<i>Unit code</i>	<i>Unit title</i>
CPCCCM2007A	Use explosive power tools

CPCCSF2004A	Place and fix reinforcement materials
BSBCUS301A	Deliver and monitor a service to customers
BSBFLM312B	Contribute to team effectiveness
BSBFLM305C	Support operational plan
FPICOT2221B	Trim and cross cut felled trees
FPIFGM3204A	Fall trees manually (intermediate)
RIIBLA201A	Support shotfiring operations
RIIBLA202A	Support underground shotfiring operations
RIIBLA205A	Store, handle and transport explosives
RIIBLA301A	Conduct surface shotfiring operations
RIIBLA303A	Conduct underground development shotfiring
RIICBM201A	Strip pile heads
RIICBM301A	Maintain concrete bridges
RIICBM302A	Install pre-cast girders
RIICBM303A	Install pre-cast parapets
RIICBM304A	Operate a bridge inspection unit
RIICBM305A	Install pre-cast concrete bridge decks
RIICBM306A	Undertake concreting work on concrete bridges
RIICBM307A	Construct formwork and false work on concrete bridges
RIICBS201A	Conduct tack coat spraying operations
RIICBS202A	Hand spread asphalt
RIICBS203A	Safely handle bituminous materials
RIICBS204A	Conduct aggregate spreader box operations
RIICBS205A	Roll aggregate in sprayed sealing operations
RIICBS206A	Conduct pavement sweeping operations

RIICBS207A	Take samples of materials used in road surfacing
RIICBS208A	Conduct road maintenance operations
RIICBS301A	Conduct profile planer operations
RIICBS302A	Conduct paver screeding operations
RIICBS303A	Conduct materials transfer vehicle operations
RIICBS304A	Compact asphalt with rollers
RIICBS305A	Conduct asphalt paver operations
RIICBS306A	Conduct slurry sealing operations
RIICBS307A	Conduct bitumen sprayer operations
RIICBS308A	Load aggregate using a purpose built loader
RIICBS309A	Conduct self-propelled aggregate spreader operations
RIICBS310A	Conduct patching operations
RIICBS311A	Produce asphalt products
RIICBS312A	Conduct bitumen tanker operations
RIICCM202A	Identify, locate and protect underground services
RIICCM205A	Carry out manual excavation
RIICCM206A	Support plant operations
RIICCM207A	Spread and compact materials manually
RIICCM208A	Carry out basic levelling
RIICCM209A	Carry out concrete work
RIICCM210A	Install trench support
RIICCM211A	Erect and dismantle temporary fencing and gates
RIICCM301A	Construct and dismantle fences and gates
RIICFW301A	Construct underpinning
RIICBS303A	Conduct materials transfer vehicle operations

RIICBS304A	Compact asphalt with rollers
RIICBS305A	Conduct asphalt paver operations
RIICBS306A	Conduct slurry sealing operations
RIICFW302A	Install temporary and permanent rock anchors
RIICFW303A	Install primary ground support
RIICFW304A	Conduct pile driving operations
RIICFW305A	Conduct cast in-situ pilings operations
RIICFW306A	Direct pile driving operations
RIICFW307A	Direct cast in-situ piling operations
RIICPL301A	Install water mains pipelines
RIICPL302A	Install storm water systems
RIICPL303A	Install sewer pipelines
RIICPL304A	Install pre-cast gully pits
RIICPL305A	Install pre-cast access chambers
RIICRC201A	Repair potholes
RIICRC202A	Install signs
RIICRC203A	Install sub-soil drainage
RIICRC204A	Install and maintain roadside fixtures
RIICRC205A	Install utility poles
RIICRC206A	Install pre-cast concrete crash barriers
RIICRC207A	Install noise barriers
RIICRC208A	Lay pipes
RIICRC209A	Lay reinforced concrete box culverts
RIICRC301A	Maintain drainage systems
RIICRC302A	Place and form concrete kerb, channel and fixtures

RIICRC303A	Lay pavers
RIICRC304A	Maintain sealed roads
RIICRC305A	Conduct road construction paver screeding operations
RIICRC306A	Conduct earthworks
RIICRC307A	Conduct road pavement construction
RIICRM201A	Escort mobile road marking operations
RIICRM202A	Handle and store road marking materials
RIICRM203A	Conduct pedestrian road marking operations
RIICRM204A	Prepare surface for road marking
RIICRM205A	Conduct road marking measuring operations
RIICRM206A	Conduct airless and atomised spraying operations
RIICRM207A	Install raised pavement markers
RIICRM301A	Conduct ride on road marking operations
RIICRM302A	Conduct long line road marking operations
RIICRM303A	Conduct thermo plastic road marking operations
RIICTC301A	Install tunnelling constructions services
RIICTC302A	Line tunnel
RIICTC303A	Excavate tunnel by machine
RIICTC304A	Muck out tunnel earthworks
RIICTC305A	Construct portals
RIICTT301A	Conduct fluid assisted directional boring
RIICTT302A	Conduct impact moling, ramming and augering
RIICTT303A	Control micro tunnelling and pipe jacking
RIICTT304A	Undertake on-line replacement for existing pipeline systems
RIICTT305A	Undertake localised repair and sealing of existing pipeline

	systems
RIICTT306A	Install cure in-place linings for existing pipeline systems
RIICTT307A	Spray linings for existing pipeline systems
RIICTT308A	Install close-fit linings for existing pipeline systems
RIICTT309A	Install slip lining in existing pipeline systems
RIICTT310A	Renovate large diameter pipes and chambers
RIIHAN201A	Operate a forklift
RIIHAN208A	Perform dogging
RIIHAN211A	Conduct basic scaffolding operations
RIIHAN301A	Operate elevating work platform
RIIHAN307A	Operate a vehicle loading crane
RIIHAN308A	Load and unload plant
RIIHAN309A	Conduct telescopic materials handler operations
RIIMPO318B	Conduct civil construction skid steer loader operations
RIIMG301A	Maintain site records
RIIOGF302A	Operate drilling fluids and mud pits
RIIOGN303A	Operate mud systems
RIIOHS202A	Enter and work in confined spaces
RIIOHS205A	Control traffic with stop-slow bat
RIIOHS302A	Implement traffic management plan
RIIRIS201B	Conduct local risk control
RIISAM205A	Cut, weld and bend materials
RIIWMG203A	Drain and dewater civil construction site
RIIWMG301A	Control construction site water table
TLID1107C	Conduct specialised forklift operations

UEGNSG202B	Construct and lay distribution pipelines
Group P – High risk work electives	
<i>Unit code</i>	<i>Unit title</i>
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging – basic level
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding – basic level