



**Australian Government**

# **RII30919 Certificate III in Civil Construction**

**Release 1**

## **RII30919 Certificate III in Civil Construction**

### **Modification History**

This qualification replaces RII30915 Certificate III in Civil Construction. Packaging rules and elective units for Stream 1 Bituminous Surfacing amended to reflect skills required by workers in asphalt surfacing and spray sealing. Native and imported core and elective units updated to current equivalent versions.

### **Qualification 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, civil construction general and traffic management occupations. The individual may provide theoretical advice and support a team.

### **Licensing/Regulatory Information**

Licensing, legislative, regulatory and certification requirements that apply to this qualification can vary between states, territories, and industry sectors. Relevant information must be sourced prior to application of the qualification.

### **Entry Requirements**

Nil

### **Packaging Rules**

The following 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 that cover the skills for the following eight (8) specialist and one (1) general civil construction streams:

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 – Traffic Management

### Stream 9 – Civil Construction General

The core and elective unit requirements of one (1) stream must be met for this qualification to be awarded.

All elective units selected for this qualification must reflect current occupational and learning outcomes of this AQF qualification level.

The elective bank contains both licensed and non-licensed units of competency relating to high risk work in the resources and infrastructure industry. To be appointed under any statutory requirements in related roles, units of competency should be selected to meet the state/territory licensing requirements.

There are prerequisites to imported units listed in this qualification. Where a unit is imported as an elective care must be taken to ensure that all prerequisites specified are complied with.

**To be awarded the Certificate III in Civil Construction (Bituminous Surfacing) the following packaging rules apply:**

Total number of units = 25

**7 core units** plus

**18 elective units**, of which:

- at least four (4) must be chosen from the electives in Group A and/or Group B
- up to nine (9) may be chosen from the electives in Group C
- up to five (5) may be chosen from the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course.

**To be awarded the Certificate III in Civil Construction (Bridge Construction) the following packaging rules apply:** Total number of units = 25

**7 core units** plus

**18 elective units**, of which:

- eight (8) must be chosen from Group D
- at least two (2) must be chosen from Group E
- at least three (3) must be chosen from Group F
- up to five (5) may be chosen from the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course.

**To be awarded the Certificate III in Civil Construction (Pipe Laying) the following packaging rules apply:**

Total number of units = 25

**7 core units** plus

**18 elective units**, of which:

- ten (10) must be chosen from Group G

- at least one (1) must be chosen from Group H
- at least three (3) must be chosen from Group I
- up to four (4) may be chosen from the electives below, elsewhere within this training package, or from another endorsed training package, or from an accredited course.

**To be awarded the Certificate III in Civil Construction (Road Construction and Maintenance) the following packaging rules apply:**

Total number of units = 25

**7 core units** plus

**18 elective units**, of which:

- nine (9) must be chosen from Group J
- at least two (2) must be chosen from Group K
- at least two (2) must be chosen from Group L
- up to five (5) may be chosen from the electives below, elsewhere within this training package, or from another endorsed training package, or from an accredited course
- At least five (5) of the eighteen (18) elective units chosen must be road construction and maintenance (RIICRC) units.

**To be awarded the Certificate III in Civil Construction (Road Marking) the following packaging rules apply:** Total number of units = 22

**7 core units** plus

**15 elective units**, of which:

- four (4) must be chosen from Group M
- at least one (1) must be chosen from Group N
- at least six (6) must be chosen from Group O
- up to four (4) may be chosen from the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course
- At least seven (7) of the fifteen (15) elective units chosen must be road marking (RIICRM) units.

**To be awarded the Certificate III in Civil Construction (Tunnel Construction) the following packaging rules apply:** Total number of units = 25

**7 core units** plus

**18 elective units**, of which:

- eight (8) must be chosen from Group P
- at least three (3) must be chosen from Group Q
- at least two (2) must be chosen from Group R
- up to five (5) may be chosen from the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course.

- At least two (2) of the eighteen (18) elective units chosen must be tunnel construction (RIICTC) units.

**To be awarded the Certificate III in Civil Construction (Timber Bridge Construction and Maintenance) the following packaging rules apply:** Total number of units = 28

**7 core units** plus

**21 elective units**, of which:

- twelve (12) must be chosen from Group S
- at least two (2) must be chosen from Group T
- at least two (2) must be chosen from Group U
- up to five (5) may be chosen from the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course.

**To be awarded the Certificate III in Civil Construction (Traffic Management) the following packaging rules apply:**

Total number of units = 23

**7 core units** plus

**16 elective units**, of which:

- eight (8) must be chosen from Group V
- at least two (2) must be chosen from Group W,
- with at least three (3) must be chosen from Group X,
- up to three (3) may be chosen from the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course.

**To be awarded the Certificate III in Civil Construction (General) the following packaging rules apply:**

Total number of units = 25

**7 core units** plus

**18 elective units**, of which:

- at least ten (10) must be chosen from Group Y
- at least three (3) must be chosen from Group Z
- up to five (5) may be chosen from the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course.

<b>Core units of competency</b>	
<b><i>Unit code</i></b>	<b><i>Unit title</i></b>
RIIBEF201D	Plan and organise work
RIICCM201D	Carry out measurements and calculations
RIICCM203D	Read and interpret plans and specifications
RIICOM201D	Communicate in the workplace
RIISAM203D	Use hand and power tools
RIISAM204D	Operate small plant and equipment
RIIWHS201D	Work safely and follow WHS policies and procedures
<b>Electives</b>	
<b>Group A (Asphalt Surfacing)</b>	
<b><i>Unit code</i></b>	<b><i>Unit title</i></b>
RIICBS202E	Hand spread asphalt
RIICBS301E	Conduct profile planer operations
RIICBS302E	Conduct paver screeding operations
RIICBS303E	Conduct materials transfer vehicle operations
RIICBS304E	Compact asphalt with rollers
RIICBS305E	Conduct asphalt paver operations
RIICBS311E	Produce asphalt products
RIICBS313	Conduct tack coat spraying operations
RIICCM207D	Spread and compact materials manually
<b>Group B (Spray Sealing)</b>	
<b><i>Unit code</i></b>	<b><i>Unit title</i></b>
RIICBS306E	Conduct micro surfacing operations
RIICBS307E	Conduct bitumen sprayer operations
RIICBS308E	Load aggregate using purpose built loaders
RIICBS309E	Conduct self-propelled aggregate spreader operations
RIICBS312E	Conduct bitumen tanker operations

RIICBS314	Conduct aggregate spreader box operations
RIICBS315	Roll aggregate in sprayed sealing operations
RIICBS402E	Supervise the application of bituminous sprayed treatments
<b>Group C (General Bituminous Surfacing)</b>	
<i>Unit code</i>	<i>Unit title</i>
BSBCUS301	Deliver and monitor a service to customers
BSBDIV301	Work effectively with diversity
BSBFLM305	Support operational plan
BSBFLM312	Contribute to team effectiveness
RIICBS203E	Safely handle bituminous materials
RIICBS207E	Take samples of road surfacing materials
RIICBS310E	Conduct patching operations
RIICBS316	Conduct pavement sweeping operations
RIICBS317	Conduct road maintenance operations
RIICCM205E	Carry out manual excavation
RIIIMG301D	Maintain site records
RIIRIS202D	Respond to site based spills
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIVEH304D	Conduct tip truck operations
RIIWHS302E	Implement traffic management plans
<b>Group D</b>	
<i>Unit code</i>	<i>Unit title</i>
RIICCM202E	Identify, locate and protect underground services
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials

RIIWHS302E	Implement traffic management plans
RIIWMG203D	Drain and dewater civil construction site
<b>Group E</b>	
<i>Unit code</i>	<i>Unit title</i>
RIICBM301D	Maintain concrete bridges
RIICBM302D	Install pre-cast girders
RIICBM303D	Install pre-cast parapets
RIICBM304D	Operate a bridge inspection unit
RIICBM305D	Install pre-cast concrete bridge decks
RIICBM306D	Undertake concreting work on concrete bridges
RIICBM307D	Construct formwork and false work on concrete bridges
<b>Group F</b>	
<i>Unit code</i>	<i>Unit title</i>
BSBDIV301	Work effectively with diversity
CPCCCM2007*	Use explosive power tools
CPCCLDG3001 A	Licence to perform dogging
CPCCLRG3001 A*	Licence to perform rigging – basic level
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding – basic level
CPCCSF2004*	Place and fix reinforcement materials
CPCCWHS2001	Apply WHS requirements, policies and procedures in the construction industry
RIICBM201D	Strip pile heads
RIICCM209D	Carry out concrete work
RIICCM210D	Install trench support
RIICCM211D	Erect and dismantle temporary fencing and gates
RIICCM301D	Construct and dismantle fences and gates
RIICRC201D	Repair potholes
RIICRC208D	Lay pipes



RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN301E	Operate elevating work platform
RIIHAN302D	Conduct intermediate scaffolding operations
RIIMG301D	Maintain site records
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIIWHS202D	Enter and work in confined spaces
RIIWHS204D	Work safely at heights
RIIWHS205E	Control traffic with stop-slow bats
RIIWMG301D	Control construction site water table
TLILIC0003	Licence to operate a forklift truck
<b>Group G</b>	
<i>Unit code</i>	<i>Unit title</i>
RIICCM202E	Identify, locate and protect underground services
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIICCM210D	Install trench support
RIICRC208D	Lay pipes
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWHS302E	Implement traffic management plans
RIIWMG203D	Drain and dewater civil construction site
<b>Group H</b>	
<i>Unit code</i>	<i>Unit title</i>
RIICPL301D	Install water mains pipelines

RIICPL302D	Install storm water systems
RIICPL303D	Install sewer pipelines
<b>Group I</b>	
<i>Unit code</i>	<i>Unit title</i>
BSBDIV301	Work effectively with diversity
CPCCCM2007*	Use explosive power tools
CPCCLDG3001 A	Licence to perform dogging
CPCCLRG3001 A*	Licence to perform rigging – basic level
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding – basic level
CPCCWHS2001	Apply WHS requirements, policies and procedures in the construction industry
RIICCM209D	Carry out concrete work
RIICCM211D	Erect and dismantle temporary fencing and gates
RIICCM301D	Construct and dismantle fences and gates
RIICPL304D	Install pre-cast gully pits
RIICPL305D	Install pre-case access chambers
RIICRC201D	Repair potholes
RIICRC203D	Install sub-soil drainage
RIICRC209D	Lay reinforced concrete box culverts
RIICRC301D	Maintain drainage systems
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN301E	Operate elevating work platform
RIIMG301D	Maintain site records
RIIMPO327E	Conduct pipe layer operations
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials

RIIWHS202D	Enter and work in confined spaces
RIIWHS204D	Work safely at heights
RIIWHS205E	Control traffic with stop-slow bats
RIIWMG301D	Control construction site water table
TLILIC0003	Licence to operate a forklift truck
<b>Group J</b>	
<i>Unit code</i>	<i>Unit title</i>
RIICCM202E	Identify, locate and protect underground services
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIICRC201D	Repair potholes
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWHS302E	Implement traffic management plans
RIIWMG203D	Drain and dewater civil construction site
<b>Group K</b>	
<i>Unit code</i>	<i>Unit title</i>
RIICRC301D	Maintain drainage systems
RIICRC302D	Place and form concrete kerb, channel and fixtures
RIICRC303D	Lay pavers
RIICRC304D	Maintain sealed roads
RIICRC305D	Conduct road construction paver screeding operations
RIICRC306D	Conduct earthworks
RIICRC307D	Conduct road pavement construction
RIICRC309D	Conduct stabiliser operations
RIICRC311D	Conduct concrete road paver operations
RIICRC312D	Setup and maintain concrete paver stringlines

RIICRC313D	Conduct concrete road curing and texturing operations
RIICRC314D	Handle concrete materials
RIICRC315D	Use concreting materials and equipment
RIICRC316D	Place and compact concrete
RIICRC317D	Finish concrete pavements
RIICRC318D	Cure concrete
RIICRC319D	Saw and cut concrete pavements to initiate planned cracks
RIICRC320D	Seal concrete pavements
RIICRC321D	Use automated paving guidance systems
RIICRC322D	Receive, check and record concrete deliveries
RIICRC323D	Insert tie bars in fresh concrete
<b>Group L</b>	
<i>Unit code</i>	<i>Unit title</i>
BSBDIV301	Work effectively with diversity
CPCCCM2007*	Use explosive power tools
CPCCLDG3001 A	Licence to perform dogging
CPCCLRG3001 A*	Licence to perform rigging – basic level
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding – basic level
CPCCSF2004*	Place and fix reinforcement materials
CPCCWHS2001	Apply WHS requirements, policies and procedures in the construction industry
FWPCOT2239	Trim and cut felled trees
FWPFGM3212	Fall trees manually (intermediate)
RIICBS202E	Hand spread asphalt
RIICBS203E	Safely handle bituminous materials
RIICBS301E	Conduct profile planer operations
RIICCM209D	Carry out concrete work
RIICCM210D	Install trench support

RIICCM211D	Erect and dismantle temporary fencing and gates
RIICCM301D	Construct and dismantle fences and gates
RIICPL302D	Install storm water systems
RIICPL304D	Install pre-cast gully pits
RIICPL305D	Install pre-cast access chambers
RIICRC202D	Install signs
RIICRC203D	Install sub-soil drainage
RIICRC204D	Install and maintain roadside fixtures
RIICRC205D	Install utility poles
RIICRC206D	Install pre-cast concrete crash barriers
RIICRC207D	Install noise barriers
RIICRC208D	Lay pipes
RIICRC209D	Lay reinforced concrete box culverts
RIIHAN201E	Operate a forklift
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN301E	Operate elevating work platform
RIIHAN307E	Operate a vehicle loading crane
RIIMG301D	Maintain site records
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIIWHS202D	Enter and work in confined spaces
RIIWHS204D	Work safely at heights
RIIWHS205E	Control traffic with stop-slow bats
RIIWMG301D	Control construction site water table
TLIC3011	Conduct specialised forklift operations
TLILIC0003	Licence to operate a forklift truck

<b>Group M</b>	
<b><i>Unit code</i></b>	<b><i>Unit title</i></b>
RIICRM202D	Handle and store road marking materials
RIICRM204D	Prepare surface for road marking
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWS302E	Implement traffic management plans
<b>Group N</b>	
<b><i>Unit code</i></b>	<b><i>Unit title</i></b>
RIICRM301D	Conduct ride on road marking operations
RIICRM302D	Conduct long line road marking operations
RIICRM303D	Conduct thermo plastic road marking operations
<b>Group O</b>	
<b><i>Unit code</i></b>	<b><i>Unit title</i></b>
BSBDIV301	Work effectively with diversity
CPCCLDG3001 A	Licence to perform dogging
CPCCLRG3001 A*	Licence to perform rigging – basic level
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding – basic level
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM208D	Carry out basic levelling
RIICCM209D	Carry out concrete work
RIICRC202D	Install signs
RIICRM201D	Escort mobile road marking operations
RIICRM203D	Conduct pedestrian road marking operations
RIICRM205D	Conduct road marking measuring operations
RIICRM206D	Conduct airless and atomised spraying operations
RIICRM207D	Install raised pavement markers

RIIHAN201E	Operate a forklift
RIIHAN208D	Perform dogging
RIIHAN301E	Operate elevating work platform
RIIHAN307E	Operate a vehicle loading crane
RIIMG301D	Maintain site records
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIIWHS204D	Work safely at heights
RIIWHS205E	Control traffic with stop-slow bats
TLILIC0003	Licence to operate a forklift truck
<b>Group P</b>	
<i>Unit code</i>	<i>Unit title</i>
RIICCM202E	Identify, locate and protect underground services
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIICRC203D	Install sub-soil drainage
RIISAM201D	Handle resources and infrastructure materials and safely dispose of non toxic materials
RIIWMG203D	Drain and dewater civil construction site
<b>Group Q</b>	
<i>Unit code</i>	<i>Unit title</i>
RIIBLA303D	Conduct underground development shotfiring
RIICCM301D	Construct and dismantle fences and gates
RIICFW302D	Install temporary and permanent rock anchors
RIICFW303D	Install primary ground support
RIICRC301D	Maintain drainage systems

RIICTC301D	Install tunnelling constructions services
RIICTC302D	Line tunnel
RIICTC303D	Excavate tunnel by machine
RIICTC304D	Muck out tunnel earthworks
RIICTC305D	Construct portals
RIIHAN301E	Operate elevating work platform
RIIUND310D	Apply shot-crete
RIIWHS302E	Implement traffic management plans
<b>Group R</b>	
<i>Unit code</i>	<i>Unit title</i>
BSBDIV301	Work effectively with diversity
CPCCCM2007*	Use explosive power tools
CPCCLDG3001 A	Licence to perform dogging
CPCCLRG3001 A*	Licence to perform rigging – basic level
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding – basic level
CPCCWHS2001	Apply WHS requirements, policies and procedures in the construction industry
RIIBLA202F	Support underground shotfiring operations
RIIBLA205D	Store, handle and transport explosives
RIICCM209D	Carry out concrete work
RIICCM210D	Install trench support
RIICCM211D	Erect and dismantle temporary fencing and gates
RIICRC201D	Repair potholes
RIICRC208D	Lay pipes
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills



RIISAM205D	Cut, weld and bend materials
RIIWHS202D	Enter and work in confined spaces
RIIWHS204D	Work safely at heights
RIIWHS205E	Control traffic with stop-slow bats
TLILIC0003	Licence to operate a forklift truck
<b>Group S</b>	
<b><i>Unit code</i></b>	<b><i>Unit title</i></b>
RIICCM202E	Identify, locate and protect underground services
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM210D	Install trench support
RIICTB201D	Maintain timber bridges
RIICTB301D	Undertake visual inspection
RIICTB302D	Install temporary support members
RIICTB304D	Install or replace sub-structure members
RIICTB305D	Install or replace super-structure members
RIICTB306D	Splice and connect timber members
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWHS202D	Enter and work in confined spaces
<b>Group T</b>	
<b><i>Unit code</i></b>	<b><i>Unit title</i></b>
RIICBM304D	Operate a bridge inspection unit
RIICBM307D	Construct formwork and false work on concrete bridges
RIICCM301D	Construct and dismantle fences and gates
RIICFW304D	Conduct pile driving operations
RIICFW306D	Direct pile driving operations
RIICTB303D	Erect a temporary modular support system (bailey) on an existing bridge
RIICTB307D	Assemble a temporary modular bridge

RIICTB308D	Install or replace truss members
RIICTB309D	Construct, maintain and remove coffer dams
RIICTB310D	Construct specialised timber deck systems
RIIHAN302D	Conduct intermediate scaffolding operations
RIIWHS302E	Implement traffic management plans
<b>Group U</b>	
<i>Unit code</i>	<i>Unit title</i>
BSBDIV301	Work effectively with diversity
CPCCLDG3001 A	Licence to perform dogging
CPCCLRG3001 A*	Licence to perform rigging – basic level
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding – basic level
FWPCOT2239	Trim and cut felled trees
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIICCM209D	Carry out concrete work
RIICTB202D	Apply bridge durability treatment
RIICTB203D	Produce drawings and sketches
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIIWHS204D	Work safely at heights
RIIWHS205E	Control traffic with stop-slow bats
RIIWMG203D	Drain and dewater civil construction site
TLILIC0003	Licence to operate a forklift truck
<b>Group V</b>	
<i>Unit code</i>	<i>Unit title</i>

FDFOP1003A	Carry out manual handling tasks
RIIRIS201D	Conduct local risk control
RIIRTM203D	Work as a safety observer/spotter
RIISTD201D	Read and interpret maps
RIIVEH201D	Operate light vehicle
RIIWHS205E	Control traffic with a stop/slow bat
RIIWHS302E	Implement traffic management plans
TLIE3004	Prepare workplace documents
<b>Group W</b>	
<i>Unit code</i>	<i>Unit title</i>
RIICRM201E	Escort mobile works
RIICWD503E	Prepare traffic management plans and traffic guidance schemes
RIIRTM301D	Operate a truck or trailer mounted attenuator
RIIRTM201D	Position and set up a variable message sign
RIIRTM202D	Position and set up portable traffic signals
RIIWHS206	Control traffic with portable traffic control devices and temporary traffic signs
RIIWHS305	Position, set up and program portable traffic control devices
<b>Group X</b>	
<i>Unit code</i>	<i>Unit title</i>
BSBDIV301	Work effectively with diversity
BSBSUS201	Participate in environmentally sustainable work practices
HLTAID003	Provide first aid
RIIBEF202D	Identify and rectify site operating problems
RIIBEF301D	Run on-site operations
RIICCM206D	Support plant operations
RIICRC202D	Install signs
RIICRC206D	Install pre-cast concrete crash barriers
RIIGOV201D	Comply with site work processes/procedures

RIIHAN201E	Operate a forklift
RIIQUA201D	Maintain and monitor site quality standards
RIIRIS301E	Apply risk management processes
TAEDEL301	Provide work skill instruction
TLIE2007	Use communication systems
TLIL1001	Complete workplace orientation/induction procedures
<b>Group Y</b>	
<i>Unit code</i>	<i>Unit title</i>
BSBCUS301	Deliver and monitor a service to customers
BSBFLM312	Contribute to team effectiveness
BSBFLM305	Support operational plan
CPCCLDG3001 A	Licence to perform dogging
CPCCLRG3001 A*	Licence to perform rigging – basic level
FWPFGM3212	Fall trees manually (intermediate)
RIIBLA301D	Conduct surface shotfiring operations
RIIBLA303D	Conduct underground development shotfiring
RIICBM301D	Maintain concrete bridges
RIICBM302D	Install pre-cast girders
RIICBM303D	Install pre-cast parapets
RIICBM304D	Operate a bridge inspection unit
RIICBM305D	Install pre-cast concrete bridge decks
RIICBM306D	Undertake concreting work on concrete bridges
RIICBM307D	Construct formwork and false work on concrete bridges
RIICBS301E	Conduct profile planer operations
RIICBS302E	Conduct paver screeding operations
RIICBS303E	Conduct materials transfer vehicle operations
RIICBS304E	Compact asphalt with rollers
RIICBS305E	Conduct asphalt paver operations

RIICBS306E	Conduct slurry sealing operations
RIICBS307E	Conduct bitumen sprayer operations
RIICBS308E	Load aggregate using purpose built loaders
RIICBS309E	Conduct self-propelled aggregate spreader operations
RIICBS310E	Conduct patching operations
RIICBS311E	Produce asphalt products
RIICBS312E	Conduct bitumen tanker operations
RIICCM301D	Construct and dismantle fences and gates
RIICFW301D	Construct underpinning
RIICBS303E	Conduct materials transfer vehicle operations
RIICBS304E	Compact asphalt with rollers
RIICBS305E	Conduct asphalt paver operations
RIICBS306E	Conduct slurry sealing operations
RIICFW302D	Install temporary and permanent rock anchors
RIICFW303D	Install primary ground support
RIICFW304D	Conduct pile driving operations
RIICFW305D	Conduct cast in-situ pilings operations
RIICFW306D	Direct pile driving operations
RIICFW307D	Direct cast in-situ piling operations
RIICPL301D	Install water mains pipelines
RIICPL302D	Install storm water systems
RIICPL303D	Install sewer pipelines
RIICPL304D	Install pre-cast gully pits
RIICPL305D	Install pre-cast access chambers
RIICRC301D	Maintain drainage systems
RIICRC302D	Place and form concrete kerb, channel and fixtures
RIICRC303D	Lay pavers
RIICRC304D	Maintain sealed roads
RIICRC305D	Conduct road construction paver screeding operations

RIICRC306D	Conduct earthworks
RIICRC307D	Conduct road pavement construction
RIICRM301D	Conduct ride on road marking operations
RIICRM302D	Conduct long line road marking operations
RIICRM303D	Conduct thermo plastic road marking operations
RIICTC301D	Install tunnelling constructions services
RIICTC302D	Line tunnel
RIICTC303D	Excavate tunnel by machine
RIICTC304D	Muck out tunnel earthworks
RIICTC305D	Construct portals
RIICTT301E	Conduct fluid assisted directional boring
RIICTT302E	Conduct impact moling, ramming and augering
RIICTT303E	Control micro tunnelling and pipe jacking
RIICTT304E	Undertake on-line replacement for existing pipeline systems
RIICTT305E	Undertake localised repair and sealing of existing pipeline systems
RIICTT306E	Install cure in-place linings for existing pipeline systems
RIICTT307E	Spray linings for existing pipeline systems
RIICTT308E	Install close-fit linings for existing pipeline systems
RIICTT309E	Install slip lining in existing pipeline systems
RIICTT310E	Renovate large diameter pipes and chambers
RIIHAN301E	Operate elevating work platform
RIIHAN307E	Operate a vehicle loading crane
RIIHAN308F	Load and unload plant
RIIHAN309F	Conduct telescopic materials handler operations
RIIMG301D	Maintain site records
RIIMPO318F	Conduct civil construction skid steer loader operations
RIIMPO334E	Conduct skid steer loader operations using attachments
RIIOGF302D	Operate drilling fluids and mud pits
RIIOGN303D	Operate mud systems

RIIRTM203D	Work as a safety observer/spotter
RIIWHS302E	Implement traffic management plans
RIIWMG301D	Control construction site water table
TLID3011	Conduct specialised forklift operations
<b>Group Z</b>	
<b><i>Unit code</i></b>	<b><i>Unit title</i></b>
BSBDIV301	Work effectively with diversity
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding – basic level
CPCCCM2007*	Use explosive power tools
CPCCSF2004*	Place and fix reinforcement materials
FWPCOT2239	Trim and cut felled trees
RIIBLA201D	Support shotfiring operations
RIIBLA202F	Support underground shotfiring operations
RIIBLA205D	Store, handle and transport explosives
RIICBM201D	Strip pile heads
RIICBS202E	Hand spread asphalt
RIICBS203E	Safely handle bituminous materials
RIICBS207E	Take samples of road surfacing materials
RIICBS313	Conduct tack coat spraying operations
RIICBS314	Conduct aggregate spreader box operations
RIICBS315	Roll aggregate in sprayed sealing operations
RIICBS316	Conduct pavement sweeping operations
RIICBS317	Conduct road maintenance operations
RIICCM202E	Identify, locate and protect underground services
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIICCM209D	Carry out concrete work

RIICCM210D	Install trench support
RIICCM211D	Erect and dismantle temporary fencing and gates
RIICRC201D	Repair potholes
RIICRC202D	Install signs
RIICRC203D	Install sub-soil drainage
RIICRC204D	Install and maintain roadside fixtures
RIICRC205D	Install utility poles
RIICRC206D	Install pre-cast concrete crash barriers
RIICRC207D	Install noise barriers
RIICRC208D	Lay pipes
RIICRC209D	Lay reinforced concrete box culverts
RIICRM201E	Escort mobile works
RIICRM202D	Handle and store road marking materials
RIICRM203D	Conduct pedestrian road marking operations
RIICRM204D	Prepare surface for road marking
RIICRM205D	Conduct road marking measuring operations
RIICRM206D	Conduct airless and atomised spraying operations
RIICRM207D	Install raised pavement markers
RIIHAN201E	Operate a forklift
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIIWHS202D	Enter and work in confined spaces
RIIWHS204D	Work safely at heights
RIIWHS205E	Control traffic with stop-slow bats
RIIWMG203D	Drain and dewater civil construction site
TLILIC0003	Licence to operate a forklift truck



\*Note the following prerequisite unit requirements:

Unit in this qualification	Prerequisite unit
CPCCCM2007 Use explosive power tools	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
CPCCLRG3001A Licence to perform rigging – basic level	CPCCLDG3001A Licence to perform dogging
CPCCSF2004 Place and fix reinforcement materials	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry

## Qualification Mapping Information

Supersedes and is equivalent to RII30915 Certificate III in Civil Construction.

## Links

Companion Volume implementation guides are found in VETNet -

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