RII30915 Certificate III in Civil Construction

# Modification History

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| Release | Comments |
| 1 | This qualification replaces RII30913 Certificate III in Civil Construction. Elective groups substantially reorganised. Packaging rules amended. Stream 9 Traffic Management added including four new RIIRTM units of competency. BSBDIV301 and RIIMPO334D added to electives. Updated codes of imported units. Added qualification mapping information. |
| 2 | This version was released with RII Resources and Infrastructure Training Package version 3.0. |

# 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, 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.

^ From 1 July 2022 the elective unit HLTAID003 must no longer be delivered and will be replaced in the Packaging Rules by the unit HLTAID011 - for more information see: <https://asqa.gov.au/news-events/news/reminder-about-superseded-hlt-first-aid-units>

# Entry Requirements

There are no entry requirements for this qualification.

# Packaging Rules

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

There are no prerequisites to imported units listed in this qualification.

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.

There are both licensed and non-licensed units of competency relating to high risk work in the Resources and Infrastructure Industry Training Package. 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.

Requirements for completion of Stream 1 – Bituminous Surfacing include:

### Total number of units = 25

7 core units plus

18 elective units, of which:

* seven (7) must be chosen from Group A
* at least three (3) must be chosen from Group B
* at least three (3) must be chosen from Group C
* no more than five (5) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

Requirements for completion of Stream 2 – Bridge Construction and Maintenance include:

### 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
* no more than five (5) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

Requirements for completion of Stream 3 – Pipe Laying include:

### 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
* no more than four (4) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

### Requirements for completion of Stream 4 – Road Construction and Maintenance include:

### 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
* no more than five (5) may come from 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.

Requirements for completion of Stream 5 – Road Marking include:

### 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
* no more than four (4) may come from 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.

Requirements for completion of Stream 6 – Tunnel Construction include:

### 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
* no more than five (5) may come from 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.

Requirements for completion of Stream 7 – Timber Bridge Construction and Maintenance include:

### 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
* no more than five (5) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

Requirements for completion of Stream 8 – Traffic Management include:

### 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,
* no more than three (3) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

Requirements for completion of Stream 9 – Civil Construction General include:

### 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
* no more than five (5) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

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| Core units of competency | |
| Unit code | Unit title |
| 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 |
| Electives | |
| Group A | |
| Unit code | Unit title |
| RIICBS202D | Hand spread asphalt |
| RIICBS203D | Safely handle bituminous materials |
| RIICBS207D | Take samples of materials used in road surfacing |
| RIICCM207D | Spread and compact materials manually |
| RIIIMG301D | Maintain site records |
| RIISAM201D | Handle resources and infrastructure materials and safely dispose of nontoxic materials |
| RIIWHS302D | Implement traffic management plan |
| Group B | |
| Unit code | Unit title |
| RIICBS301D | Conduct profile planer operations |
| RIICBS302D | Conduct paver screeding operations |
| RIICBS303D | Conduct materials transfer vehicle operations |
| RIICBS304D | Compact asphalt with rollers |
| RIICBS305D | Conduct asphalt paver operations |
| RIICBS306D | Conduct slurry sealing operations |
| RIICBS307D | Conduct bitumen sprayer operations |
| RIICBS308D | Load aggregate using a purpose built loader |
| RIICBS309D | Conduct self-propelled aggregate spreader operations |
| RIICBS310D | Conduct patching operations |
| RIICBS311D | Produce asphalt products |
| RIICBS312D | Conduct bitumen tanker operations |
| RIICBS402D | Apply the principles for the application of bituminous sprayed treatment |
| Group C | |
| Unit code | Unit title |
| BSBCUS301 | Deliver and monitor a service to customers |
| BSBDIV301 | Work effectively with diversity |
| BSBFLM305 | Support operational plan |
| BSBFLM312 | Contribute to team effectiveness |
| RIICBS201D | Conduct tack coat spraying operations |
| RIICBS204D | Conduct aggregate spreader box operations |
| RIICBS205D | Roll aggregate in sprayed sealing operations |
| RIICBS206D | Conduct pavement sweeping operations |
| RIICBS208D | Conduct road maintenance operations |
| RIICCM205E | Carry out manual excavation |
| RIIRIS202D | Respond to site based spills |
| RIIVEH304D | Conduct tip truck operations |
| Group D | |
| Unit code | Unit title |
| RIICCM202D | 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 |
| RIIWHS302D | Implement traffic management plan |
| RIIWMG203D | Drain and dewater civil construction site |
| Group E | |
| Unit code | Unit title |
| 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 |
| Group F | |
| Unit code | Unit title |
| BSBDIV301 | Work effectively with diversity |
| CPCCCM2007B | Use explosive power tools  • Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry |
| CPCCLDG3001A | Licence to perform dogging |
| CPCCLRG3001A | Licence to perform rigging – basic level  • Prerequisite unit: CPCCLDG3001A Licence to perform dogging |
| CPCCLSF2001A | Licence to erect, alter and dismantle scaffolding – basic level |
| CPCCSF2004A | Place and fix reinforcement materials  • Prerequisite unit: CPCCOHS2001A Apply OHS 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 |
| RIIIMG301D | 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 |
| RIIWHS205D | Control traffic with stop-slow bat |
| RIIWMG301D | Control construction site water table |
| TLILIC0003 | Licence to operate a forklift truck |
| Group G | |
| Unit code | Unit title |
| RIICCM202D | 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 |
| RIIWHS302D | Implement traffic management plan |
| RIIWMG203D | Drain and dewater civil construction site |
| Group H | |
| Unit code | Unit title |
| RIICPL301D | Install water mains pipelines |
| RIICPL302D | Install storm water systems |
| RIICPL303D | Install sewer pipelines |
| Group I | |
| Unit code | Unit title |
| BSBDIV301 | Work effectively with diversity |
| CPCCCM2007B | Use explosive power tools  • Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry |
| CPCCLDG3001A | Licence to perform dogging |
| CPCCLRG3001A | Licence to perform rigging – basic level  • Prerequisite unit: CPCCLDG3001A Licence to perform dogging |
| CPCCLSF2001A | Licence to erect, alter and dismantle scaffolding – basic level |
| 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 |
| RIIIMG301D | 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 |
| RIIWHS205D | Control traffic with stop-slow bat |
| RIIWMG301D | Control construction site water table |
| TLILIC0003 | Licence to operate a forklift truck |
| Group J | |
| Unit code | Unit title |
| RIICCM202D | 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 |
| RIIWHS302D | Implement traffic management plan |
| RIIWMG203D | Drain and dewater civil construction site |
| Group K | |
| Unit code | Unit title |
| 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 |
| Group L | |
| Unit code | Unit title |
| BSBDIV301 | Work effectively with diversity |
| CPCCCM2007B | Use explosive power tools  • Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry |
| CPCCLDG3001A | Licence to perform dogging |
| CPCCLRG3001A | Licence to perform rigging – basic level  • Prerequisite unit: CPCCLDG3001A Licence to perform dogging |
| CPCCLSF2001A | Licence to erect, alter and dismantle scaffolding – basic level |
| CPCCSF2004A | Place and fix reinforcement materials  • Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry |
| FWPCOT2239 | Trim and cut felled trees |
| FWPFGM3212 | Fall trees manually (intermediate) |
| RIICBS202D | Hand spread asphalt |
| RIICBS203D | Safely handle bituminous materials |
| RIICBS301D | 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 |
| RIIIMG301D | 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 |
| RIIWHS205D | Control traffic with stop-slow bat |
| RIIWMG301D | Control construction site water table |
| TLIC3011 | Conduct specialised forklift operations |
| TLILIC0003 | Licence to operate a forklift truck |
| Group M | |
| Unit code | Unit title |
| 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 |
| RIIWHS302D | Implement traffic management plan |
| Group N | |
| Unit code | Unit title |
| RIICRM301D | Conduct ride on road marking operations |
| RIICRM302D | Conduct long line road marking operations |
| RIICRM303D | Conduct thermo plastic road marking operations |
| Group O | |
| Unit code | Unit title |
| BSBDIV301 | Work effectively with diversity |
| CPCCLDG3001A | Licence to perform dogging |
| CPCCLRG3001A | Licence to perform rigging – basic level  • Prerequisite unit: CPCCLDG3001A Licence to perform dogging |
| 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 |
| RIIIMG301D | 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 |
| RIIWHS205D | Control traffic with stop-slow bat |
| TLILIC0003 | Licence to operate a forklift truck |
| Group P | |
| Unit code | Unit title |
| RIICCM202D | 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 |
| Group Q | |
| Unit code | Unit title |
| 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 |
| RIIWHS302D | Implement traffic management plan |
| Group R | |
| Unit code | Unit title |
| BSBDIV301 | Work effectively with diversity |
| CPCCCM2007B | Use explosive power tools  • Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry |
| CPCCLDG3001A | Licence to perform dogging |
| CPCCLRG3001A | Licence to perform rigging – basic level  • Prerequisite unit: CPCCLDG3001A Licence to perform dogging |
| CPCCLSF2001A | Licence to erect, alter and dismantle scaffolding – basic level |
| 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 |
| RIIWHS205D | Control traffic with stop-slow bat |
| TLILIC0003 | Licence to operate a forklift truck |
| Group S | |
| Unit code | Unit title |
| RIICCM202D | 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 |
| Group T | |
| Unit code | Unit title |
| 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 |
| RIIWHS302D | Implement traffic management plan |
| Group U | |
| Unit code | Unit title |
| BSBDIV301 | Work effectively with diversity |
| CPCCLDG3001A | Licence to perform dogging |
| CPCCLRG3001A | Licence to perform rigging – basic level  • Prerequisite unit: CPCCLDG3001A Licence to perform dogging |
| 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 |
| RIIWHS205D | Control traffic with stop-slow bat |
| RIIWMG203D | Drain and dewater civil construction site |
| TLILIC0003 | Licence to operate a forklift truck |
| Group V | |
| Unit code | Unit title |
| FBPOPR1010 | 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 |
| RIIWHS205D | Control traffic with a stop/slow bat |
| RIIWHS302D | Implement traffic management plan |
| TLIE3004 | Prepare workplace documents |
| Group W | |
| Unit code | Unit title |
| RIICRM201E | Escort mobile works |
| RIICWD503D | Prepare work zone traffic management plan |
| 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 |
| Group X | |
| Unit code | Unit title |
| BSBDIV301 | Work effectively with diversity |
| BSBSUS201 | Participate in environmentally sustainable work practices |
| HLTAID003  ^ HLTAID011 | Provide first aid  Provide First Aid (must be delivered from 1 July 2022) |
| 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 |
| RIIRIS301D | Apply risk management processes |
| TAEDEL301 | Provide work skill instruction |
| TLIE2007 | Use communication systems |
| TLIL1001 | Complete workplace orientation/induction procedures |
| Group Y | |
| Unit code | Unit title |
| BSBCUS301 | Deliver and monitor a service to customers |
| BSBFLM312 | Contribute to team effectiveness |
| BSBFLM305 | Support operational plan |
| CPCCLDG3001A | Licence to perform dogging |
| CPCCLRG3001A | Licence to perform rigging – basic level  • Prerequisite unit: CPCCLDG3001A Licence to perform dogging |
| 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 |
| RIICBS301D | Conduct profile planer operations |
| RIICBS302D | Conduct paver screeding operations |
| RIICBS303D | Conduct materials transfer vehicle operations |
| RIICBS304D | Compact asphalt with rollers |
| RIICBS305D | Conduct asphalt paver operations |
| RIICBS306D | Conduct slurry sealing operations |
| RIICBS307D | Conduct bitumen sprayer operations |
| RIICBS308D | Load aggregate using a purpose built loader |
| RIICBS309D | Conduct self-propelled aggregate spreader operations |
| RIICBS310D | Conduct patching operations |
| RIICBS311D | Produce asphalt products |
| RIICBS312D | Conduct bitumen tanker operations |
| RIICCM301D | Construct and dismantle fences and gates |
| RIICFW301D | Construct underpinning |
| RIICBS303D | Conduct materials transfer vehicle operations |
| RIICBS304D | Compact asphalt with rollers |
| RIICBS305D | Conduct asphalt paver operations |
| RIICBS306D | 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 |
| RIICTT301D | Conduct fluid assisted directional boring |
| RIICTT302D | Conduct impact moling, ramming and augering |
| RIICTT303D | Control micro tunnelling and pipe jacking |
| RIICTT304D | Undertake on-line replacement for existing pipeline systems |
| RIICTT305D | Undertake localised repair and sealing of existing pipeline systems |
| RIICTT306D | Install cure in-place linings for existing pipeline systems |
| RIICTT307D | Spray linings for existing pipeline systems |
| RIICTT308D | Install close-fit linings for existing pipeline systems |
| RIICTT309D | Install slip lining in existing pipeline systems |
| RIICTT310D | 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 |
| RIIIMG301D | 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 |
| RIIOGN303E | Operate mud systems |
| RIIRTM203D | Work as a safety observer/spotter |
| RIIWHS302D | Implement traffic management plan |
| RIIWMG301D | Control construction site water table |
| TLIC3011 | Conduct specialised forklift operations |
| Group Z | |
| Unit code | Unit title |
| BSBDIV301 | Work effectively with diversity |
| CPCCLSF2001A | Licence to erect, alter and dismantle scaffolding – basic level |
| CPCCCM2007B | Use explosive power tools   * Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry |
| CPCCSF2004A | Place and fix reinforcement materials  • Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry |
| 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 |
| RIICBS201D | Conduct tack coat spraying operations |
| RIICBS202D | Hand spread asphalt |
| RIICBS203D | Safely handle bituminous materials |
| RIICBS204D | Conduct aggregate spreader box operations |
| RIICBS205D | Roll aggregate in sprayed sealing operations |
| RIICBS206D | Conduct pavement sweeping operations |
| RIICBS207D | Take samples of materials used in road surfacing |
| RIICBS208D | Conduct road maintenance operations |
| RIICCM202D | 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 |
| RIIWHS205D | Control traffic with stop-slow bat |
| RIIWMG203D | Drain and dewater civil construction site |
| TLILIC0003 | Licence to operate a forklift truck |

# Qualification Mapping Information

| Code and titlecurrent version | Code and titleprevious version | Comments | Equivalence status |
| --- | --- | --- | --- |
| RII30915 Certificate III in Civil Construction | RII30913 Certificate III in Civil Construction | Elective groups reorganised packaging rules amended; elective units added; Stream 9 Traffic Management added | No equivalent qualification |

# Links

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