

## Field      Engineering and Technology

### Review of *Infrastructure Works* unit standards

Subfield	Domain	ID
Infrastructure Works	Generic Infrastructure Works	6451, 6476, 15930, 26719, 26782, 26784, 26788, 27329, 31446, 31457
	Generic Road Works	22293, 31483
	Infrastructure Civil Works	17328, 17501, 31445
	Road Construction	6483, 12570, 31477, 31481, 31482
	Road Maintenance	11304, 28714, 31484-88

Connexis has completed the review of the unit standards listed above.

**Date new versions published**

**September 2021**

**Planned review date**

**December 2026**

### Summary

Connexis conducted a review of unit standards in the *Infrastructure Works* subfield to align with changes required by a review of three infrastructure qualifications. Unit standards were reviewed throughout 2021.

Consultation on the reviewed unit standards was conducted by industry technical advisers. The Industry Reference Group endorsed proposed changes.

### Main changes

- Titles, purpose statements, outcomes, performance criteria and range statements were updated to reflect the needs of the infrastructure industry.
- Guidance information was updated to align with current industry practice and legislation.
- The credit totals for unit standards 6476, 17328 and 31446 were increased in line with industry requirements for training and assessment.

**The last date for assessment of superseded versions of Category B unit standards is December 2023**

### Detailed list of unit standards – classification, title, level, and credits

All changes are in **bold**.

Key to review category	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
<b>B</b>	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new ID
<b>D</b>	Standard will expire and not be replaced

Engineering and Technology > Infrastructure Works > Generic Infrastructure Works

ID	Title	Level	Credit	Review Category
6451	Carry out notifiable work and permit requirements on an infrastructure works site <b>Carry out notifiable work and permit requirements on an infrastructure worksite</b>	4	5	B
6476	Interpret and use plans to locate features on infrastructure works sites <b>Use plans to locate features on an infrastructure worksite</b>	3	3 5	B
15930	Locate work sites using route data system, maps, and plans	2	2	B
26719	Lay interlocking pavers for infrastructure works under supervision <b>Lay interlocking pavers for infrastructure works</b>	2	6	B
26782	Use measurements for infrastructure works purposes	3	6	B
26784	Maintain daily records for an infrastructure works site <b>Maintain daily records for an infrastructure worksite</b>	3	5	B
26788	Demonstrate knowledge of drainage for infrastructure works	4	15	B
27329	Demonstrate knowledge of and apply quality assurance practices to own work area in an infrastructure works operation	3	5	B
31446	Demonstrate knowledge of materials used for infrastructure works	3	3 5	B
31457	Work around existing services for infrastructure works <b>Demonstrate knowledge of working around services for infrastructure works</b>	3	5	B

Engineering and Technology > Infrastructure Works > Generic Road Works

ID	Title	Level	Credit	Review Category
22293	Demonstrate knowledge of stabilisation of pavement layers for road works	4	5	B
31483	Stabilise and modify layers for road construction or maintenance	4	6	B

Engineering and Technology > Infrastructure Works > Infrastructure Civil Works

ID	Title	Level	Credit	Review Category
17328	Demonstrate fundamental knowledge of earthworks <b>Demonstrate knowledge of earthworks</b>	3	5 10	B
17501	Demonstrate knowledge of subgrade for infrastructure civil works	4	5	B
31445	Demonstrate knowledge of soils and aggregates, and compaction, for infrastructure works <b>Demonstrate knowledge of compaction for infrastructure works</b>	3	6	B

Engineering and Technology > Infrastructure Works > Road Construction

ID	Title	Level	Credit	Review Category
6483	Install pipe culverts and structures on road construction works	3	15	B

ID	Title	Level	Credit	Review Category
12570	Demonstrate knowledge of the materials used in road formation	4	10	B
31477	Construct roads	4	20	B
31481	Install earth retaining structures for road construction	4	5	B
31482	Install road furniture	4	5	B

Engineering and Technology > Infrastructure Works > Road Maintenance

ID	Title	Level	Credit	Review Category
11304	Maintain road by repairing chipsealed surfaces	3	3	B
28714	Explain pavement failure and restoration	4	3	B
31484	Use dig-out and stabilisation or modification methods for road maintenance tasks	4	7	B
31485	Maintain and repair road drainage systems	4	7	B
31486	Maintain and repair road furniture	4	4	B
31487	Maintain and repair bridges	4	5	B
31488	Mow verges and trim and remove vegetation for road maintenance	3	6	B