

National Certificate in Roadmarking (Senior Operator) Level Three or Four – 102-117 Credits

Training Plan

(Full name) _____

The National Certificate in Roadmarking (Senior Operator) is a Level 3 or 4 qualification, comprising 102-117 credits. To be awarded the qualification trainees must complete:

- Core Compulsory Units
- Core Elective Units
- Long Life Products Strand, comprising:
 - Long Life Products Compulsory Unit, and;
 - Long Life Products Elective Unit(s)
- Paint Marking Strand

Optional strands in Temporary Traffic Management on Level 2 and Level 3 Roads, Testing Pavement Marking, Testing Transit New Zealand T/8 and T/12 are available in addition to the above.

Please note: The ticked units can only be achieved by attending an off-job course.

Core Compulsory Units – All the units listed below are required.

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments
6442	Supervise civil construction activities on a single site	4	10			
15943	Utilise roadmarking maps and plans for plant operation	3	12			
21420	Demonstrate knowledge of roadmarking materials and processes	3	10			
21425	Set out complex roadmarking work	3	12			
21427	Perform complex industry calculations for roadmarking application	3	10			
21429	Manage health, safety, and environmental requirements in roadmarking	4	8			
21431	Demonstrate knowledge of specifications used for complex roadmarking	3	10			

Core Elective Units – A minimum of 15 credits at Level 3 or above are required, of which a minimum of 5 credits must be at Level 4 or above.

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	Tick to select
497	Demonstrate knowledge of workplace health and safety requirements	1	3				
5616	Manage hazard identification and control for occupational health and safety practice	4	10				
5619	Assist in evaluating occupational health and safety standards and practice	4	15				
6575	Develop occupational safety and health recommendations for improving ergonomic conditions	4	6			Open - experience in specific discipline required	
17585	Demonstrate knowledge of working safely in extremes of temperature	3	4				
17586	Demonstrate knowledge of electrical safety in the workplace	3	4				

Core Elective Units – Continued.

Tick to select

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	
17588	Apply for, accept, and carry out work according to a work permit in the workplace	3	4				
17589	Monitor, control and audit work permit systems	4	5	17590			
17590	Issue worksite specific work permits	3	6				
17591	Demonstrate knowledge of the prevention and management of OOS in the workplace	3	4				
17592	Identify the causes of back injury and methods to prevent back injuries in the workplace	3	4				
17593	Apply safe work practices in the workplace	2	4				
17594	Demonstrate knowledge of hearing conservation in the workplace	3	3				
17595	Explain health and safety management requirements for contractors working on site	4	8				
17596	Demonstrate knowledge of safety observer responsibilities in the workplace	3	8				
17599	Plan a confined space entry	4	5		✓		
17600	Explain safe work practices for working at heights	3	3				
17601	Produce an occupational health and safety incident investigation	4	6				
17602	Apply hazard identification and risk assessment procedures in the workplace	3	4				
18408	Demonstrate knowledge of fire and emergency warden duties in the workplace	3	3				
18409	Use a forklift mounted safety platform in the workplace	3	4		✓		
18410	Manage hazard identification and control on plant and machinery	4	4				
18411	Explain organisational injury management procedures	4	6				
18412	Explain the requirements of the Hazardous Substances and New Organisms Act 1996	4	6				
18426	Demonstrate knowledge of hazards associated with confined space	3	4		✓	497, 6401, 6402 3058 recommended	
18664	Apply sustainable environmental management practices as a workplace supervisor	4	6				
19340	Explain the establishment and operation of a workplace health and safety committee	4	5				
19341	Demonstrate knowledge of Hazard and Operability (HAZOP) studies in the workplace	4	6				
19521	Explain the requirements of the Health and Safety in Employment (HSE) Act 1992	4	5				
19522	Undertake job safety analysis	2	4				
20198	Identify the roles and responsibilities of the health and safety representative in the workplace	4	8				
20733	Demonstrate knowledge of safe storage and handling of hazardous substances in the workplace	3	4			497 recommended	
20866	Work safely with others in the civil infrastructure industry	3	5	20870 20873			
20867	Respond to fire incidents at a civil infrastructure worksite	3	4				
20868	Demonstrate knowledge of emergency response in the civil infrastructure industry	3	4				

Core Elective Units – Continued.							Tick to select
Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	
20869	Demonstrate knowledge of notifiable works and permits in the civil infrastructure industry	3	2				
20870	Describe protection of health, safety and environment in the civil infrastructure industry	3	7				
20871	Supervise health and safety requirements on a civil infrastructure worksite	4	8	20866 20874			
20872	Take control of an emergency at a civil infrastructure worksite	4	6	20868			
20873	Demonstrate knowledge of health, safety, and environmental legislation at civil infrastructure sites	2	5				
20874	Demonstrate knowledge of health and fitness for civil infrastructure personnel	3	5				
20875	Demonstrate knowledge of slinging, lifting, and placing with an excavator or loader	3	5				
20876	Conduct and document civil infrastructure worksite health and safety meetings	4	2				
20877	Demonstrate knowledge of working safely at sites under temporary traffic management	2	1				
21337	Demonstrate knowledge of sleep and sleep management in relation to work performance	2	2				
25042	Prepare a workplace health and safety improvement plan using data analysis and productivity measures	3	4	20198			
25044	Wear and operate compressed air breathing apparatus in the workplace	3	4		✓		
25046	Describe hazard identification and control, and apply risk assessment procedures under supervision in the workplace	2	2				
25048	Handle dangerous and hazardous goods in the workplace	2	3				
Total Elective Credits							

Strands are listed on the back page ...

Long-life Products Strand – Meet the requirements of the compulsory and elective sets below.

Long-life Products Compulsory – The unit listed below is required.

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments
18054	Demonstrate knowledge of safety in the handling of roadmarking long-life products	3	20			

Long-life Products Elective – A minimum of 1 unit listed below is required.

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	Tick to select
15938	Apply machine extruded and screeded thermoplastic for roadmarking	3	15	18047 or 18050			
15940	Apply sprayed thermoplastic for roadmarking	3	15	18047 or 18050			
15941	Apply non-thermoplastic long-life products for roadmarking	3	10				

Paint Marking Strand – A minimum of 1 unit listed below is required.

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	Tick to select
18047	Apply new roadmarkings with an A-type applicator	3	15	18045			
18050	Apply new roadmarkings with a B-type applicator	3	15	18048			

Optional Strands

Temporary Traffic Management on Level 2 and 3 Roads Optional Strand

– A minimum of 1 unit listed below is required.

Tick to select strand

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments	Tick to select
20879	Operate as a Site Traffic Management Supervisor - Non Practising (STMS-NP) for Level 2 and 3 roads	5	3		✓	5628 recommended, plus STMS (non-practising)	
20880	Operate as a Site Traffic Management Supervisor (STMS) for Level 2 and 3 roads	5	10		✓	STMS	

Testing Pavement Marking Optional Strand – The unit listed below is required.

Tick to select strand

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments
18051	Test roadmarkings	4	20		✓	

Testing Transit New Zealand T/8 Optional Strand – The unit listed below is required.

Tick to select strand

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments
18053	Test roadmarking paint applicators	4	25		✓	

Testing Transit New Zealand T/12 Optional Strand – The unit listed below is required.

Tick to select strand

Unit No.	Unit Standard Title	Level	Credit	Pre-requisites	Off Job	Comments
18052	Test long-life roadmarking applicators	4	25	18054	✓	