

Calendar Key

Green – Confirmed courses but spaces still available.

Orange – Potential courses still require numbers to run.

Aggregates for Pavement Construction

(1 day)

This course identifies the properties and characteristics of aggregates and systems for quarrying, storage, selection and handling, so that these properties are not altered and their quality remains consistent until placements in the pavement.

25 September	Dunedin
3 October	Palmerston North
31 October	Christchurch
Cost (excl GST)	\$495

Bridge Inspection and Maintenance Procedures

(2 days)

Natural events such as floods and earthquakes cause damage. The bridge corrosion environment can affect durability and must be recognised. These areas must be addressed and appropriate maintenance carried out to ensure continued public safety as well as to maintain the asset and minimise repair costs.

9-10 October	Auckland
Cost (excl GST)	\$895

Bridge and Other Significant Highway Structures Inspection

(2 days)

This is a new NZTA endorsed and certified course designed to ensure the correct requirements are met for the inspection of bridges and other significant highway structures. The course will cover in depth the requirements outlined in NZTA policy Document S6 'Bridges and Other Significant Highway Structures Inspection Policy'.

13-14 November	Christchurch
Cost (excl GST)	\$1,200

Compaction - a Key to Quality Road Pavements

(1 day)

This course examines the performance of each of the components of a road and shows the critical role that Compaction plays.

The presentation then looks at the way in which quality compaction can be achieved and how compaction performance can be monitored.

5 November	Auckland
20 November	Christchurch
Cost (excl GST)	\$495

Construction and Maintenance of Road Drainage Systems

(1 day)

Competent supervision skills are essential in producing a final product that meets all design and specification requirements. High levels of productivity can be achieved through the effective and efficient use construction techniques, gained through a combination of knowledge, good planning and organisation skills which best utilises the resources available to the supervisor.

9 October	Palmerston North
23 October	Auckland
30 October	Christchurch
13 November	Hamilton
19 November	Wellington
Cost (excl GST)	\$495

Environmental Risks of Construction

(1 day)

Do you know the environmental risks and obligations of construction projects? This course provides participants with a practical understanding of the environmental aspects of civil construction. Providing you the know-how to understand your legal obligations, raise environmental awareness and find workable solutions to many of the common risks on construction sites. The course is designed for anyone involved in the construction industry, including contractors, project managers, regulators and consultants.

7 November	Christchurch
20 November	Auckland
21 November	Wellington
Cost (excl GST)	\$595

Geometric Design for Roads

(2 days)

This course covers geometric design principles specifically for the design of New Zealand roads. The aim of this course is to develop an understanding of the principles of geometric design, and apply these to design safe, functional and aesthetic road alignments in accordance with the requirements of the 2016 Austroads guidelines.

23-24 September	Palmerston North
7-8 October	Dunedin
22-23 October	Hamilton
Cost (excl GST)	\$795

Identify, Locate and Protect Services

(1 day)

Civil construction sites are inherently dangerous places of work. Where excavations are present or where the work requires ground penetration, particularly by metal pegs, rods, stakes and the like, there is an immediate opportunity for potential conflict with existing utility services located underground.

25 September	Auckland
27 September	Christchurch
30 September	Palmerston North
Cost (excl GST)	\$495

Inspecting Roads & Establishing Maintenance Needs

(1 day)

Inspecting roads effectively remains a critical skill in the management of the roading infrastructure. Developing knowledge to identify faults and target the right intervention at the right time is the objective of this course. This enables your teams to develop effective work programmes that deliver more value to the roading networks and minimize the inconvenience to our communities.

2 October	Christchurch
8 October	Palmerston North
11 October	Auckland
Cost (excl GST)	\$495

Level 1 Basic Traffic Controller (TC)

(1 day)

This is the NZ Transport Agency (NZTA) Level 1 Basic Traffic Controller (TC), which covers the standards and operating procedures required by the Code of Practice for Temporary Traffic Management (COP/TTM).

12 September	New Plymouth
12 September	Auckland
30 September	Tauranga
7 October	New Plymouth
9 October	Christchurch
9 October	Hamilton
14 October	Palmerston North
17 October	Lower Hutt
22 October	Auckland
4 November	New Plymouth
12 November	Palmerston North
13 November	Christchurch
20 November	Lower Hutt
20 November	Auckland
Cost (excl GST)	\$345
Plus NZTA Registration	\$40

Level 1 Site Traffic Management Supervisor (STMS)

(2 days)

This two-day course provides training to the requirements of the NZTA Code of Practice for Temporary Traffic Management and covers the standards and operating procedures for NZTA and Local Authority roads.

24-25 September	Palmerston North
30 Sept-1 Oct	Hamilton
3-4 October	Christchurch
10-11 October	Lower Hutt
14-15 October	New Plymouth
15-16 October	Auckland
23-24 October	Palmerston North
7-8 November	Christchurch
11-12 November	New Plymouth
18-19 November	Lower Hutt
20-21 November	Palmerston North
26-27 November	Auckland
Cost (excl GST)	\$545
Plus NZTA Registration	\$40

Managing Flooding and Scour Risks at Bridges and Culverts

(1day)

This course will provide an overview of river and stream processes, hydrological and hydraulic analysis tools, calculation of scour at bridges and culverts, design of scour countermeasures at bridges and culverts including geosynthetic solutions and the detailed design of rock rip-rap.

23 October	Christchurch
31 October	Auckland
Cost (excl GST)	\$695

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Microsoft Excel – Improving Spreadsheets (1 day)

This workshop will hone your skills. Move from the basics to the many advanced Excel functions, make Excel work for you. Learn how analysis your data with functions, filters, Pivot tables, charting, navigating large spread sheets, save time and become a confident Excel user.

6 October	Christchurch
16 October	Wellington
Cost (excl GST)	\$595

Microsoft Project – Task Management (1 day)

This course provides skills necessary to develop, implement, schedule and manage project plans for roads, bridges, land developments, buildings, marketing, tenders, maintenance etc.

24 September	Auckland
3 October	Christchurch
15 October	Wellington
Cost (excl GST)	\$595

Pavement and Rehabilitation Design (2 days)

This course covers pavement design and rehabilitation design in accordance with the latest version of the Austroads Pavement Design Guide and the associated NZ Guide to Pavement Structural Design and Guide to Pavement evaluation and Treatment Design and contains hands-on applications of mechanistic analysis in the design process.

5-6 November	Christchurch
13-14 November	Auckland
Cost (excl GST)	\$695

Pavement Investigation, Design and Construction Testing (1 day)

Understanding the main causes of road pavement failures and especially premature pavement failure is crucial in determining the correct design. Why the design life is not met and various pavements including expressways are suffering from early pavement distresses? What went wrong?

6 December	Auckland
Cost (excl GST)	\$695

Pavement Surfacing (1 day)

High quality pavements, along with the correct selection of pavement surfacing materials are critical to the safety, longevity and condition of New Zealand roads. This one day course will outline and identify the multiple types of surfacing currently in use, the variety of materials used in maintaining these pavements, as well as design, equipment use and surfacing type selection.

13 November	Auckland
20 November	Christchurch
Cost (excl GST)	\$520

Preparing a Tender (1 day)

If you are new to tendering or wish to have a refresher, then this course is a must. You will learn the tender build-up process from the perspective of a contractor using a basic Microsoft Excel Spreadsheet. This course complements our one-day course 'Understanding the Tender Process'.

25 September	Invercargill
Cost (excl GST)	\$520

Refresher – Level 1 STMS (1 day)

Registration for Level 1 Site Traffic Management Supervisor (STMS) expires at the end of three years, at which time you will need to attend a one-day refresher course to regain this qualification.

8 October	New Plymouth
10 October	Hamilton
10 October	Christchurch
15 October	Palmerston North
18 October	Lower Hutt
23 October	Auckland
5 November	New Plymouth
13 November	Palmerston North
14 November	Christchurch
19 November	Auckland
21 November	Lower Hutt
Cost (excl GST)	\$345
Plus NZTA Registration	\$40

Reinstatement of Service Trenches (1 day)

Rough surfaces increase road user costs. Over recent years many roading authorities have reported instances of poor trench reinstatement that gave rise to road surfacing problems.

5 October	Palmerston North
23 October	Auckland
Cost (excl GST)	\$450

Road Condition Rating - Sealed Roads (1 or 2 days)

Reliable identification of defects is vital to the proper functioning of NZ Transport Agency (NZTA), Road Assessment and Maintenance Management system. NZIHT trains all of this country's road condition raters directly. Successful workshop participants receive a Practising Certificate enabling them to undertake condition rating surveys of sealed roads on NZTA funded works on State Highways and Local Authority roads.

28-29 November	Christchurch
Cost (excl GST)	\$520 (1 day) \$795 (2 days)

Road Lighting Course A – to AS/NZS 1158 (1 day)

The design of lighting for vehicle and pedestrian road users is covered as well as historical reasoning behind "why we light roads". It allows users to gain full advantage from the broad guidance the standards now provide. The course will cover the elements of good road lighting design for all parts of the road network using the computer techniques specified in the standard.

9 October	Christchurch
Cost (excl GST)	\$495

Road Lighting Course B – Design Training (1 day)

This Road Lighting Design Training course provides practical guidance for those involved in the detail of design process. The course concentrates on the design methodology for roads lit to both Category V and P - but also covers public space lighting, lighting of pedestrian crossings, tunnel/underpass lighting principles, outdoor car park lighting and the new obtrusive lighting effects standard and NZTA M30 specification.

10 October	Christchurch
Cost (excl GST)	\$495

Safety in Trenches (1 day)

This course covers the safety aspects of working in and around trenches within the civil industry and covers drainage work from small pipe, small scale excavations to large storm water and deep excavations.

24 October	Auckland
31 October	Christchurch
6 November	Palmerston North
Cost (excl GST)	\$495

Slinging, Lifting, Moving and Placing with an Excavator or Loader (1 day)

When on the job, there will be times where you need to move or place equipment and there is a right way and a wrong way to do this. The information that is presented to you on course will give you the industry standard on the step you will need to do to get the job done efficiently and safely.

1 October	Christchurch
9 October	Palmerston North
10 October	Auckland
Cost (excl GST)	\$495

Stabilisation of Road Pavements – Fundamentals (1 day)

Stabilisation can provide major benefits for roading projects of all sizes, and significantly offer acceptable cost effective alternatives to the use of premium sources of aggregates. This course provides an overview of the main issues involved with the design and construction of sealed and unsealed pavements using stabilisation.

23 September	Auckland
10 October	Christchurch
16 October	Palmerston North
31 October	Hamilton
Cost (excl GST)	\$450

Successful Project Management (2 days)

The pace of change means that more and more inexperienced people are being asked to lead projects. The deadlines are often very short; the available resources are limited; and the stresses brought on by the pressure to succeed are intense. The conflicting demands from the day job and the project may be impossible to reconcile. Is it any surprise that 70% of projects fail to deliver in full, on time and within budget? We've distilled the wisdom and experience of project managers into a simple six-step approach to leading a successful project. We'll help you learn it

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COURSE CALENDAR

SEPTEMBER – NOVEMBER 2019

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effortlessly in our highly interactive two day course. It's a practical approach that is easy to apply to any situation.

26-27 September Wellington
Cost (excl GST) \$995

Supercharged Supervisors Toolkit (1 day)

Leaders are people who know how to achieve goals and inspire people along the way. It's vital that you not only know what leadership behaviours are required, but also how to do it. Good leaders in return get more job satisfaction out of their role. Participants will firstly explore their own style of leadership and then learn how to adapt their style to bring out the best in others.

24 September Auckland

6 October Wellington
Cost (excl GST) \$695

Survey and Set Out (1 day)

This is a practical course that excites and enables all field staff to read and interpret plans and assist with survey and setting out activities.

The course gives a strong emphasis on understanding construction plans, dimensions, datums, survey marks, accuracies, elevations and layouts to enable all participants to confidently appreciate the works scope and detail. Basic measurements, offsetting and marking out for construction works are discussed and demonstrated. Understanding with field exercises using levelling equipment and level reductions to establish design heights gives field staff new skills.

1 November Palmerston North

11 November Auckland

16 November Christchurch

Cost (excl GST) \$695

Understanding NZS3910:2013 Conditions of Contract (2 days)

How well do you know the contents of NZS3910, which are the 'rules' for administering and managing civil engineering and building contracts? This popular course, from a practical and 'hands-on' point of view will benefit Principals, Consultants and Contractors regarding how to manage and administer contracts and to understand their obligations and liabilities in terms of these General Conditions of Contract.

17-18 September Christchurch

25-26 September Auckland

14-15 October Auckland

22-23 October Hamilton

5-6 November Christchurch

11-12 November Auckland

28-29 November Wellington

Cost (excl GST) \$795

Understanding the Construction Contracts Act 2002 (half day)

The Construction Contracts Act 2002 applies to all construction contracts that relate to the carrying out of construction work in New Zealand, whether the contract is in writing, oral, or a mixture of both, and whether it is for commercial or residential construction. This course, from a practical and 'hands-on' point of view, will benefit

Clients, Consultants and Contractors wanting to understand the key provisions of this Act, and how it applies to them.

21 October Auckland

31 October Wellington

7 November Christchurch

Cost (excl GST) \$395

Understanding NZS3915, NZS3916 and NZS3917 (half day)

This course, from a practical and 'hands-on' point of view, will benefit Clients, Consultants and Contractors wanting to know the differences between these two standards and NZS3910, the General Conditions of Contract. It is designed for people who are already familiar with NZS3910:2013.

21 October Auckland

31 October Wellington

7 November Christchurch

Cost (excl GST) \$395

Understanding the National Utilities Code (2 days)

This popular course gives an intensive look at the Code from principles to specifics, and includes discussion on the roles and needs of the different parties. It is very inter-active, including case studies and group discussions.

19-20 September Christchurch

7-8 October Rotorua

20-21 November Invercargill

25-26 November Wellington

Cost (excl GST) \$795

Understanding Quality Pavement Construction (2 days)

The current trend towards performance based specifications for roading and civil construction projects increases the need for contracting firms to understand the issues involved with pavement construction, especially material compaction. This course provides an overview of theory and practice to assist team leaders and supervisors/forepersons to manage construction in the field.

25-26 September Wellington

7-8 October Rotorua

9-10 October Christchurch

Cost (excl GST) \$795

Understanding the Tender Process (1 day)

Winning contracts means understanding the issues and requirements at the procurement stage plus the skills and ability to write the tender: not just to be successful but to increase profits as well. To receive good tenders, clients must provide meaningful contract documents for tenderers.

If you are new to tendering or wish to have a refresher, then this course is a must. You will learn the tendering process from the perspective of both client and contractor.

8 November Christchurch

13 November Auckland

Cost (excl GST) \$520

Valuing Variations (1 day)

Valuing variations is one of the biggest challenges contractors and the engineer to the contract face. Almost all construction and civil engineering contracts will vary from the original design and scope as the contract progresses. But how do you ensure that the valuation of the variation is fair and equitable to both the principal and the contractor? This is a practical course, based on the provisions in NZS3910.

24 September Invercargill

27 November Christchurch

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