

**Aggregates for Pavement Construction**

This course identifies the properties and characteristics of aggregates and how these relate to performance of pavement and surfacing materials. It covers the systems for quarrying, storage, selection and handling, so that these properties are not altered and their quality remains consistent until placed in the pavement.

12 July Palmerston North

Cost (excl GST) \$595

**Asphalt Pavement Construction****Essentials** (half day)

This course is designed to enable both new and novice construction personnel to learn and understand the basic concepts and requirements to lay a quality chipseal/asphalt pavement. On occasion a new staff member is thrown into a crew and is given a basic task to perform, yet they never really get to understand the total picture of what they are working towards. This course is designed to create a better understanding of all aspects of the construction process.

19 July Auckland

23 August Christchurch

Cost (excl GST) \$395

**Bitumen – Basic Safety** (1 day)

It is absolutely essential that all those involved in any way with bituminous materials fully understand the significant hazards presented and the procedures used to ensure safety. This is a required comprehensive safety awareness course for all personnel in the road surfacing industry and is presented with the aid of practical demonstrations and videos.

5 July Auckland

2 August Christchurch

4 October Palmerston North

Cost (excl GST) \$595

**Bitumen Bulk and Tanker Operator**

The operation of bulk bitumen handling and transport equipment (tankers, storage and blending plants) demands a basic knowledge of the properties of bitumen and associated products and adherence to strict safety procedures. Production is improved if operators have the appropriate advanced knowledge and skill to accurately and safely use plant and equipment. Quality is maintained by bitumen product knowledge, adherence to handling procedures, accurate blend and calculation and careful record keeping.

7 July Auckland

4 August Christchurch

6 October Palmerston North

Cost (excl GST) \$595

**Bitumen – Managing the Risks**

(1 day)

This is an essential risk awareness course targeted at managers, engineers and supervisors involved in managing businesses or operations that include the storage, transport and production of bituminous materials; and road surfacing works.

1 August Christchurch

3 October Palmerston North

Cost (excl GST) \$595

**Bitumen Sprayer Operator**

(1 day)

Precise and competent operation of the bitumen sprayer is essential to successful sealing operations. Sprayer performance is improved if operators have detailed knowledge of the principles of the chipsealing process and the appropriate knowledge to accurately use the equipment. Output quality is enhanced by bitumen product knowledge, adherence to safe handling procedures and careful record keeping.

8 July Auckland

5 August Christchurch

7 October Palmerston North

Cost (excl GST) \$595

**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'.

17-18 August Christchurch

26-27 October Auckland

Cost (excl GST) \$1395

**Bridge Inspection and Maintenance****Procedures** (2 days)

Bridges are valuable assets, which must be maintained and managed if they are to remain functional at optimal cost through their design life. Some bridge components have a design life less than that of the bridge and require periodic replacement. 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.

13-14 July Auckland

21-22 September Christchurch

Cost (excl GST) \$995

**Chipseal Design** (2 days)

Factors affecting the design and the field performance of chipseal surfacings are complex. Local conditions can significantly influence the way a seal is designed to get the best performance. The treatment selection and design procedures from the textbook "Chipsealing in New Zealand" provide the basis for this course and a range of worked examples are included. A problem-solving session in syndicate workgroups also aids understanding. In addition, the practical application of the NZTA P/17 performance-based specification will be covered in detail, including worked examples.

12-13 July Auckland

9-10 August Christchurch

11-12 October Palmerston North

Cost (excl GST) \$895

**Chipseal Materials** (half day)

This course provides an introduction to the materials used in chipseals in NZ and is intended for those who have not previously had formal detailed training in this subject from other courses. It is essential knowledge for those wishing to attend the NZIHT 'Chipseal Design' course and is intended to give a good understanding of the basic properties, specifications and performance of the component materials – bituminous binders, binder additives and mineral aggregates. Knowledge of the subject matter in this course is essential for those wishing to gain chipseal design skills.

11 July Auckland

8 August Christchurch

10 October Palmerston North

Cost (excl GST) \$395

**Conflict Management Skills** (1 day)

Given the complex working relationships in and between most organisations today, there is ample opportunity for conflicts, big and small, to arise. Conflicts can show up as minor disagreements or heated debates. However they present themselves, if you mishandle conflict situations you can damage work relationships reduce your personal energy and focus and cause productivity to plummet. This course will help you improve productivity and engagement.

9 August Wellington

25 August Christchurch

Cost (excl GST) \$595

**Construction and Maintenance of Road****Drainage Systems** (1 day)

The drainage construction team is responsible for the proper setting out, excavation, pipe laying and back filling of drainage trenches. Suitable compaction techniques are important if rework associated with settlement is to be avoided. The course attempts to highlight the aspects of construction that will have a significant effect on the quality of the finished product.

8 July Whangarei

20 July Auckland

10 August Palmerston North

23 August Christchurch

Cost (excl GST) \$595

**Effective Leadership** (2 days)

Are you new to a leadership role, ready for promotion or simply looking for inspiration? This course is designed to help leaders get the results they want easily – to become more effective. We use DISC as a self-discovery tool to help you with that learning process. This practical course will help you learn how to lead effectively and develop strategies for dealing with everyday events. You'll learn simple processes that are easy to put into practice.

29-30 June Auckland

Cost (excl GST) \$1095



# I built that.

Civil Construction and Infrastructure Training

SHORT COURSES  
AVAILABLE  
IN YOUR AREA  
**NOW**

Make it Happen.



**Environmental Management \*\*On-Line ZOOM\*\***

(2x 3hr sessions)

This is a live on-line version of our Environmental Risks of Construction course. Delivered over two consecutive days - 3hrs each morning. 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 too 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.

- Tuesday 26 July: 9.00am - 12.00pm
- Wednesday 27 July: 9.00am - 12.00pm

NOTE: Participants must participate in both sessions to get the full benefit and to receive their certificate of participation.

Cost (excl GST) \$395 per person

**Explosive Atmospheres - Awareness (1 day)**

This course is designed to give people the essential knowledge of explosive atmospheres and hazardous areas, including identifying hazardous areas, sources of ignition and the properties of hazardous materials, along with the roles and responsibilities of all parties, regulations, standards and codes of practice relating to hazardous areas.

28 July	New Plymouth
9 August	Auckland
25 August	Christchurch
Cost (excl GST)	\$595

**Explosive Atmospheres – Refresher (1 day)**

It is essential workers are aware of any changes with their responsibilities, regulations, standards and codes of practice relating to hazardous areas. This course will upskill and refresh those people to the current required level of competency for working within the associated industries that contain hazardous areas involving electrical and mechanical equipment.

29 July	New Plymouth
10 August	Auckland
26 August	Christchurch
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.

18-19 October	Auckland
15-16 November	Christchurch
22-23 November	Wellington
Cost (excl GST)	\$895

**Identify, Locate and Protect Services**

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.

6 July	Whangarei
19 July	Auckland
9 August	Palmerston North
25 August	Christchurch
Cost (excl GST)	\$595

**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, their cause and target the right intervention at the right time is the objective of this course.

7 July	Christchurch
21 July	Wellington
24 August	Auckland
Cost (excl GST)	\$595

**Microsoft Excel \*\*On-Line ZOOM\*\***

(2x 3hr sessions) This course is designed for you to be more efficient at create budgets, forecasting, managing expenses, analysing data, pricing for tenders. Learn how analysis your data with functions, filters, Pivot tables, charting, navigating large spread sheets, saving time and become a confident Excel user. This live online zoom training will hone your skills.

- Tuesday 5 July: 9.00am - 12.00pm
- Wednesday 6 July: 9.00am - 12.00pm

NOTE: Participants must participate in both sessions to get the full benefit and to receive their certificate of participation.

Cost (excl GST) \$395 per person

**Microsoft Project – Task Management (1 day)**

This intermediate level course gives all participants the skills that will allow them to be able to create and manage projects successfully. With this hands-on course you will build a list of tasks, build task relationships, assign resources, manage the project against the Baseline, and use Project views and reports to present information to clients, managers and staff. A working knowledge of Excel would be an advantage.

28 June	Palmerston North
14 July	Christchurch
Cost (excl GST)	\$695

**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.

12-13 July	Auckland
Cost (excl GST)	\$1195

**Pavement Investigation, Design and Construction Testing (1 day)**

Best practice guidelines for investigation and design of pavements will be introduced This includes flexible and rigid pavement for roads, industrial developments and subdivisions. Most cost effective and environmentally friendly design solutions with latest technology will be covered for new and existing pavements. Assessment of pavement failures and provide solutions will be presented in the course. Prediction of pavement deflection and curvature will be discussed in details in the course with examples using the design and analysis program Circlly to meet councils and NZTA requirements.

12 August	Auckland
Cost (excl GST)	\$895

**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 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. Asphalt and Chipseal practices will be covered at length including cutting and preparation, along with procedures for patching both of these surfacing types.

6 September	Christchurch
14 September	Auckland
Cost (excl GST)	\$595

**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. The construction and installation of shoring and retaining equipment and materials is covered in detail and there are exercises in design during the day. It is a detailed look at what can happen if the correct procedures are not taken.

7 July	Whangarei
Cost (excl GST)	\$595

**Site Traffic Management Specialist (A/B) - non practising (1 day)**

This is the theory to provide the STMS with the base knowledge for working on category A and category B roads. The STMS will be able to assess and manage risk related to TTM at the worksite; deliver site safety briefings and inductions; calculate layout distances for the appropriate category of road environments; set up, maintain and remove TTM for static operations (shoulder closures, two-way two-lane closures and multi-lane closures); complete mobile operations and closures; set up maintain and remove TTM for semi-static operations and closures; and conduct special activities.

12 July	New Plymouth
4 October	New Plymouth
Cost (excl GST)	\$535 (includes NZTA ID)

I built that.

Civil Construction and Infrastructure Training

SHORT COURSES AVAILABLE IN YOUR AREA NOW

Make it Happen.

**Site Traffic Management Specialist -**

**Universal (STMS-U)** (2 days)

This two-day theory only course will cover all of the base knowledge an STMS needs to know. Such as how to conduct a toolbox or site briefing, how to read a TMP, how to deal with incidents, how to manage risk. This is a theory only course and prepares an STMS to go on to one or more of the Categories (A, B and/or C).

24-25 August New Plymouth

Cost (excl GST) \$635 (includes NZTA ID)

**Slinging and Lifting 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.

8 July Christchurch

22 July Wellington

Cost (excl GST) \$595

**Stabilisation of Road Pavements** (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. With the advent of the NZTA performance specifications (B/3 and M/22), there is the opportunity to use alternative materials in conjunction with stabilisation techniques, to meet strength and durability requirements for pavements. This course provides an overview of the main issues involved with the design and construction of sealed and unsealed pavements using stabilisation.

18 July Wellington

Cost (excl GST) \$595

**STMS - Refresher (NP)** (1 day)

This is a one-day theory course includes knowledge about Category A, B and C roading environments. L1 STMS who successfully complete the Refresher workshop will be awarded the Non-practising STMS for categories A and B. To be classed as a practising STMS on category A and B road environments, participant's will also have to complete a practical re-assessment for each environment.

19 July New Plymouth

8 September New Plymouth

Cost (excl GST) \$435 (includes NZTA ID)

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

21-22 July Christchurch

1-2 September Auckland

Cost (excl GST) \$1095

**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. You will leave with your own personal action plan to raise the bar for you and your team. This highly interactive one day course will address a number of essentials for the supervisor to know and do.

20 July Christchurch

12 August Palmerston North

1 November Auckland

20 October Christchurch

Cost (excl GST) \$795

**Temporary Traffic Management (TTM)**

**Worker** (1 day)

All new staff wishing to come into the TTM industry will need to start with this course. The TTM worker will be able to assist with setting out a site under the supervision of a STMS (Site Traffic Management Specialist). They are also able to assist with "Stop/Go" operations. Many contractors may wish most of their staff stay at this level

10 August New Plymouth

Cost (excl GST) \$395

**Time Management – Getting things done!**

(1 day)

Abraham Lincoln is quoted as having said: "Give me six hours to chop down a tree, and I will spend the first four sharpening the axe." Do you start early and go home late so that you can get your work done? We've all had that experience, and it's easy to believe that working harder is always the answer. Time to consider working smartly? This is a practical course that will sharpen your ability to manage your own time and to make sure that things get done on time AND in the right way. Participants construct their own plan for getting things done according to their style and work environment.

11 July Wellington

14 September Christchurch

27 October Auckland

Cost (excl GST) \$795

**The Fundamentals of Asphalt Mix** (2 days)

Asphalt paving mix design requires a clear understanding of design standards and specification requirements. Design also demands close attention to the details of testing procedures to ensure an economical blend and gradation of aggregates. Durable asphalt mixes must provide for stability, sufficient voids and workability to permit efficient construction. This course provides an overview of asphalt mix design and includes the latest design methods from America and Australia. The methods will include Austroads Guide to Pavement Technology and SHRP Superpave Mix Design. This course also includes an overview of the specification for dense graded, stone mastic and fine graded asphalt paving mixtures NZTA M/10.

18-19 July Auckland

Cost (excl GST) \$995

**Traffic Management Operative – Non**

**Practising (TMO-NP)** (1 day)

This warrant enables the holder, once briefed by the STMS in charge, to: On category A roads - Undertake a roadside activity where the vehicle is legally parked and accessed from the non-traffic side. On category A and B roads - Set up, maintain and remove TTM for roadside or shoulder activities where all TTM equipment (including TTM vehicles) is outside the edge line (or edge of seal if there is no edge line), maintain TTM at an existing static worksite when the in charge STMS is away from the worksite. The STMS must return to the worksite to carry out any required changes, complete inspection activities.

11 August New Plymouth

Cost (excl GST) \$435 (includes NZTA ID)

**Understanding Asphalt Pavement**

**Construction** (1 day)

Asphalt paving construction productivity depends on the smooth and safe running of laying operations and effective contractual relationships. It also depends on understanding the materials being dealt with. Poor construction practices often lead to surface defects, incorrect layer thickness and shape problems. The cost associated with rework and/or the repair of asphalt surfacing can wipe out the value of the work. Competent supervision can avoid many of these problems.

20 July Auckland

24 August Christchurch

Cost (excl GST) \$595

**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.

27-28 June Whangarei

11-12 July Christchurch (FULL)

22-23 August Auckland

12-13 September Wellington

19-20 September Auckland

3-4 October Napier

12-13 October Christchurch

1-2 November Hamilton

Cost (excl GST) \$895

**Understanding Quality Pavement**

**Construction** (1 day)

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.

19-20 July Wellington

2-3 August Christchurch

16-17 August Auckland

Cost (excl GST) \$595

I built that.

Civil Construction and Infrastructure Training

SHORT COURSES AVAILABLE IN YOUR AREA NOW

Make it Happen.

**Understanding the National Utilities Code**

(2 days)

Are you complying with the National Utilities Code? Its use is compulsory for all road and rail controlling authorities and utility network operators and their contractors for access to the road and rail corridors to install and maintain utility assets. It is designed for corridor managers, utility operators, consultants and contractor staff who supervise work in the road and rail corridors. It covers interpreting the Code from start to finish and how to comply with the requirements of the Utilities Access Act 2010.

4-5 July	Auckland
17-18 October	Christchurch
Cost (excl GST)	\$895

**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.

8 August	Wellington
18 August	Auckland
26 August	Christchurch
Cost (excl GST)	\$595

**I built that.**

Civil Construction and Infrastructure Training

SHORT COURSES AVAILABLE IN YOUR AREA NOW

Make it Happen.