

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.

7 December Rotorua

Cost (excl GST) \$395

Aggregates for Pavement Construction

(1 day)

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.

11 November Christchurch

23 November Rotorua

Cost (excl GST) \$520

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.

18 October Kerikeri

Cost (excl GST) \$495

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’.

15-16 December Christchurch

Cost (excl GST) \$1300

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.

26 October Kerikeri

Cost (excl GST) \$495

Chipseal Design ****On-Line ZOOM****

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.

22-23 October times on our website

Cost (excl GST) \$650

Chipseal Materials ****On-Line ZOOM****

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.

20 October 2.5 hrs ZOOM session

Cost (excl GST) \$295

Effective Leadership (2 days)

This course will help you learn how to lead yourself and your team, focus on the important things and develop strategies for dealing with everyday events. We appreciate the time pressure that everyone works under and so we give insights into effective processes that will yield results quickly, rather than theories that are difficult to put into practice.

18-19 November Rotorua

Cost (excl GST) \$995

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.

8-9 November Christchurch

15-16 November Auckland

Cost (excl GST) \$595

How to Claim an Extension of Time in a Construction Contract (half day)

How well can you prepare your claim for an extension of time? Can you: Identify the event that impacted on your programme and why it happened? Analyse the impact of that event? Identify possible alternative solutions? Undertake a delay analysis? Know what evidence to attach to a claim? This course, from a practical and 'hands-on' point of view, will benefit Contractors needing to prepare a claim for an extension of time.

10 November Christchurch

1 December Auckland

Cost (excl GST) \$395

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.

22 November Hamilton

Cost (excl GST) \$520

Managing Flooding and Scour Risks at Bridges and Culverts (1 day)

The effective management of the risks associated with scour and flooding is vitally important for the protection of key infrastructure. 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.

24 November Christchurch

Cost (excl GST) \$695

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

(2x 3hr sessions)

Is Excel frustrating you? Are you taking lots of time creating formulas? Can you quickly and easily create budgets, forecasts, expenses, analyses data, pricing for tenders? Your Excel skills may need improving. This live online zoom training will hone your skills.

- Thursday 28 October: 9.00am - 12.00pm
- Friday 29 October: 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 Excel (1 day)

Is Excel frustrating you? Are you taking lots of time creating formulas? Can you quickly and easily create budgets, forecasts, expenses, analyses data, pricing for tenders? Your Excel skills may need improving. This workshop will hone your skills.

8 November Auckland

Cost (excl GST) \$595

Microsoft Project – Task Management

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.

9 November Auckland

17 November Christchurch (FULL)

26 November Wellington

Cost (excl GST) \$595

I built that.

Civil Construction and Infrastructure Training

SHORT COURSES AVAILABLE IN YOUR AREA NOW

Make it Happen.

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.

10-11 November	Auckland
16-17 December	Christchurch
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.

10 December	Auckland
Cost (excl GST)	\$795

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.

18 November	Christchurch
6 December	Tauranga
Cost (excl GST)	\$520

Process Improvement (2 days)

Faster, better quality, better value, more safely - the demands are always increasing. Often special extra tasks are introduced to 'fix' things and everyone ends up working harder to achieve the same result. No wonder productivity is low. It's frustrating! On this course you'll quickly learn how to make dramatic improvements to your environment. The ideas are simple, easy to apply and deliver lasting results. You will be guided through the five step approach in our highly interactive two day course. It's a practical approach that is easy to apply to any situation.

18-19 November	Auckland
8-9 December	Christchurch
Cost (excl GST)	\$995

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.

30 November-1 December	Christchurch
Cost (excl GST)	\$520 or \$850

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.

5 November	New Plymouth
2 December	Palmerston North
10 December	New Plymouth
Cost (excl GST)	\$435 (includes NZTA ID)

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).

11-12 November	New Plymouth
29-30 November	Palmerston North
Cost (excl GST)	\$635 (includes NZTA ID)

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.

15 November	New Plymouth
Cost (excl GST)	\$535 (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.

9-10 November	Auckland
---------------	----------

Cost (excl GST)	\$995
-----------------	-------

Successful Trench Reinstatement (1 day)

'Reinstatement of service trenches in roadways is an ongoing problem frequently requiring return visits to the site to repair settlement and surface damage. This course will show how the whole pavement structure performs and the role each of the component parts. While Compaction makes a major contribution, a successful reinstatement also relies on careful selection and handling of all materials followed by appropriate surfacing. Relevant specifications and testing are also covered.

3 November	Auckland
Cost (excl GST)	\$520

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.

25 November	Auckland
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. The course reinforces field checking, recording, basic calculations and good survey techniques.

22 November	Christchurch
Cost (excl GST)	\$695

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

4 November	New Plymouth
1 December	Palmerston North
9 December	New Plymouth
Cost (excl GST)	\$395

I built that.

Civil Construction and Infrastructure Training

SHORT COURSES AVAILABLE IN YOUR AREA NOW

Make it Happen.

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 edgeline (or edge of seal if there is no edgeline), 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.

16 December	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.

8 December	Auckland
Cost (excl GST)	\$520

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 October	Christchurch (FULL)
11-12 November	Auckland
15-16 November	Rotorua
25-26 November	Christchurch (FULL)
29-30 November	Whangarei (FULL)
6-7 December	Auckland (FULL)
20-21 January	Auckland
Cost (excl GST)	\$850

Understanding NZS3915, NZS3916 and NZS3917 **On-Line ZOOM**

Do you know the requirements for intellectual property contained in NZS3916:2013 (Design and Construct)? Do you understand the different requirements for remedying defects under NZS3917: 2013 (Fixed Term)? Do you know what the responsibilities for the Principal are under NZS3915 where there is no 'Engineer' to the Contract? These are just some examples of the differences from NZS3910:2013. 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.

21 October	9am-12pm **ON LINE ZOOM**
Cost (excl GST)	\$295

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.

10-11 November	Rotorua
16-17 November	Christchurch
23-24 November	Auckland
Cost (excl GST)	\$850

Understanding the Construction Contracts Act 2002 **On-Line ZOOM**

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.

29 October	9am-12pm **ON LINE ZOOM**
Cost (excl GST)	\$295

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.

4-5 November	Wellington
22-23 November	Christchurch
Cost (excl GST)	\$850

Understanding the Tender Process – for Contractors (1 day)

The tendering process is an essential start to winning contracts. All too often Contractors don't fully understand the tendering process as defined in NZSS3910. For Contractors to provide good tenders, principals must provide meaningful contract documentation. However, they also want an assurance that contractors fully understand their business, its needs and the specific job requirements.

12 November	Christchurch
25 November	Wellington
2 December	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.

11 November	Christchurch
2 December	Auckland
Cost (excl GST)	\$520

I built that.

Civil Construction and Infrastructure Training

SHORT COURSES AVAILABLE IN YOUR AREA NOW

Make it Happen.