

## Calendar Key

Green – Confirmed courses but spaces still available.

Orange – Potential courses still require numbers to run.

**Agile Management** (2 days)

Agile is a methodology that's over 50 years old that has recently been rediscovered and applied in the IT sector. The good news is that the ideas can be applied in any situation to improve performance, results and the working environment. This course explains the agile approach and how it can be applied to your workplace.

18-19 July	Christchurch
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18-19 July	Auckland
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Cost (excl GST)	\$995
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**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.

12 June	Christchurch
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26 June	Rotorua
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16 July	Wellington
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Cost (excl GST)	\$495
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**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.

18 July	Auckland
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31 July	Palmerston North
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Cost (excl GST)	\$395
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**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 graphic practical demonstrations.

4 June	Auckland
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5 June	Auckland
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7 June	Tauranga
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11 June	Hamilton
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14 June	Napier
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18 June	Palmerston North
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21 June	Wellington
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Cost (excl GST)	\$530
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**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 July	Auckland
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Cost (excl GST)	\$520
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**Bitumen Plant and Tanker Operator**

(1 day)

The operation of bitumen tankers, sprayers, bitumen 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.

27 May	Christchurch
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8 July	Auckland
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Cost (excl GST)	\$520
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**Bitumen Sprayer Operator** (2 days)

Precise and competent operation of the bitumen sprayer is essential to successful chipsealing 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.

28-29 May	Christchurch
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9-10 July	Auckland
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Cost (excl GST)	\$795
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**Bitumen Rheology and Performance**

(1 day)

This course introduces the concepts of rheology and shows how they relate to performance in asphalt and seals. This is related to the design of asphalt and selection of sealing grades. The new asphalt specification is discussed and how the testing is done, reported and controlled.

25 June	Christchurch
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Cost (excl GST)	\$520
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**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'.

19-20 June	Christchurch
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31 July-1 Aug	Auckland
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Cost (excl GST)	\$1,200
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**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.

3-4 July	Auckland
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Cost (excl GST)	\$795
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**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.

2 July	Auckland
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Cost (excl GST)	\$395
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**Compaction – a Key to Quality Road****Pavements** (1 day)

Compaction is a vital component necessary for the construction of quality roads. 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.

25 July	Wellington
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Cost (excl GST)	\$495
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**Conflict Management Skills** (2 days)

This course will help you improve productivity and engagement. It will result in better collaboration and trust throughout teams, clients, contractors and the wider organisation. Gain effective skills to support better communications, projects and improve your working relationships.

25-26 July	Auckland
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29-30 July	Christchurch
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Cost (excl GST)	\$795
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**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.

6 June	Invercargill
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19 June	Palmerston North
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Cost (excl GST)	\$495
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## COURSE CALENDAR

### MAY - JULY 2019

#### Calendar Key

Green – Confirmed courses but spaces still available.

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#### Environmental Risks of Construction

(1 day)

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.

19 July Christchurch

Cost (excl GST) \$595

#### Geomechanics for NZ Roading

(1 day)  
This course draws together the necessary soil investigation and geotechnical procedures for roading construction and maintenance. The course provides an up-to-date overview of investigative techniques and analysis.

12 June Christchurch

19 June Hamilton

26 June Palmerston North

10 July Christchurch

17 July Auckland

24 July Wellington

Cost (excl GST) \$450

#### 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.

26-27 June Auckland

10-11 July Christchurch

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.

17 June Dunedin

23 July Wellington

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.

24 June Auckland

9 July Christchurch

16 July Hamilton

24 July Rotorua

Cost (excl GST) \$495

#### JunoViewer: Advanced Deterioration

Modelling (1 day)

This course focuses on the use of JunoViewer's cutting edge Deterioration Model for generating an optimized Forward Works Programme. It is recommended that you attend this course only if you have completed the introductory course on JunoViewer's Deterioration Model (NZIHT course 'Introduction to JunoViewer Deterioration Modelling'). It is also recommended that you only attend this course if you are an intermediate to advanced user of Microsoft Excel. The course will provide you with a structured foundation for using JunoViewer's Deterioration Model. With this knowledge, you will be able to set up a basic model in JunoViewer, modify deterioration model equations, define and manage treatment triggers and analyse outputs.

13 June Wellington

27 June Christchurch

11 July Auckland

Cost (excl GST) \$595

#### JunoViewer: Introduction to Deterioration Modelling

(1 day)  
This course focuses on the use of JunoViewer's cutting edge Deterioration Model for generating an optimized Forward Works programme. It is recommended that you attend this course only if you have completed the introductory JunoViewer course (NZIHT course 'JunoViewer for Road Network Analysis'). It is also recommended that you only attend this course if you are an intermediate to advanced user of Microsoft Excel. The course will provide you with a structured foundation for using JunoViewer's Deterioration Model. With this knowledge, you will be able to set up a basic model in JunoViewer, modify deterioration model equations, define and manage treatment triggers and analyse outputs.

12 June Wellington

26 June Christchurch

10 July Auckland

Cost (excl GST) \$595

#### 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).

27 May Lower Hutt

6 June Palmerston North

11 June New Plymouth

12 June Invercargill

14 June Tauranga

18 June Auckland

18 June Christchurch

8 July Christchurch

16 July Lower Hutt

17 July Auckland

22 July New Plymouth

30 July Palmerston North

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.

11-12 June Auckland

20-21 June Hamilton

27-28 June Christchurch

27-28 June Lower Hutt

27-28 June New Plymouth

11-12 July New Plymouth

15-16 July Palmerston North

16-17 July Tauranga

18-19 July Christchurch

23-24 July Auckland

24-25 July Invercargill

Cost (excl GST) \$545

Plus NZTA Registration \$40

#### Managing Flooding and Scour Risks at Bridges and Culverts

(1 day)

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.

19 June Rotorua

26 June Wellington

23 July Auckland

30 July Dunedin

Cost (excl GST) \$695

#### 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.

11 June Auckland

9 July Wellington

26 July Christchurch

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.

10 June Auckland

8 July Wellington

25 July Christchurch

Cost (excl GST) \$595

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### MAY - JULY 2019

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#### 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 July	Christchurch
24-25 July	Auckland
Cost (excl GST)	\$995

#### 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?

24 May	Auckland
26 June	Christchurch
Cost (excl GST)	\$695

#### Pavement Surfacing (1 day)

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

17 July	Auckland
30 July	Palmerston North
17 July	Auckland
30 July	Palmerston North
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.

24 May	New Plymouth
29 May	Christchurch
7 June	Palmerston North
12 June	New Plymouth
13 June	Tauranga
13 June	Invercargill
19 June	Auckland
19 June	Christchurch
9 July	Christchurch
17 July	Lower Hutt
18 July	Auckland
23 July	New Plymouth
29 July	Palmerston North
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.

27 June	Rotorua
19 July	Auckland
23 July	Invercargill
Cost (excl GST)	\$450

#### 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.

7 June	Invercargill
20 June	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.

9 July	Christchurch
16 July	Auckland
29 July	Palmerston North
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.

13 June	Dunedin
21 June	Hamilton
26 June	Christchurch
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 effortlessly in our highly interactive two day course. It's a practical approach that is easy to apply to any situation.

20-21 June	Dunedin
29-30 July	Palmerston North
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.

18 June	Dunedin
6 August	Hamilton
Cost (excl GST)	\$695

#### Survey & 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.

30 May	Auckland
6 June	Palmerston North
20 June	Christchurch
Cost (excl GST)	\$695

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

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. It has also been updated to include the latest specification for dense graded, stone mastic and fine graded asphalt paving mixtures NZTA M/10.

8-9 July	Wellington
Cost (excl GST)	\$795

#### Time Management (1 day)

Stop working hard - work smarter and get more done. Learn how to do this in one day. This very powerful seminar has participants construct their own personalised Time Management Plan according to their style and work environment.

19 June	Dunedin
31 July	Hamilton
Cost (excl GST)	\$695

#### 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.

10 July	Auckland
24 July	Christchurch
Cost (excl GST)	\$520

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**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.

29-30 May	Auckland (FULL)
5-6 June	Dunedin
26-27 June	Rotorua
27-28 June	Auckland
11-12 July	Christchurch
16-17 July	Auckland
Cost (excl GST)	\$795

**Understanding NZS3915, NZS3916 and NZS3917** (half day)

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)? These are just two 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.

28 June	Palmerston North
17 July	Dunedin
24 July	Rotorua
Cost (excl GST)	\$395

**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.

17-18 June	Hamilton
24-25 June	Palmerston North
27-28 June	Christchurch
Cost (excl GST)	\$795

**Understanding the Construction Contracts Act 2002** (half day)

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.

28 June	Palmerston North
17 July	Dunedin
24 July	Rotorua
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.

10-11 June	Wellington
1-2 July	Auckland
18-19 July	Dunedin
Cost (excl GST)	\$795

**Understanding the Tender Process** (1 day)

Winning contracts and evaluating tenders is essential to the continuing viability of any contractor. It is no longer just about the price and accurate calculations. Clients want an assurance that contractors fully understand their business, its needs and the specific job requirements. This course complements our new one-day course 'Preparing a Tender' which is a building the tender from first principles.

7 June	Rotorua
10 July	Christchurch
15 July	Auckland
Cost (excl GST)	\$520



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