

TRAININGTALK

TRAINING NEWS FROM THE NEW ZEALAND INSTITUTE OF HIGHWAY TECHNOLOGY **AUGUST 2016**

COLLABORATE
INNOVATE
MOTIVATE
PARTICIPATE

EROSION AND SEDIMENT CONTROL CONFERENCE 2016



Keynote speaker

JOHN MCCULLAH CPESC | GEOMORPHOLOGIST

John McCullah, CPESC and geomorphologist is the owner of Salix Applied Earthcare in No. California. He has been a practitioner in erosion and sediment control, watershed restoration, stream restoration, biotechnical erosion control (bioengineering), for over 25 years. He has been training others in these fields for over 15 years. Mr. McCullah is the producer of the popular Dirt Time video series. He instructs courses at Shasta College in Erosion Control and Watershed Restoration For the last 12 years John has been designing and building stream restoration and bank stabilization projects using environmentally sensitive methods that emphasize proper stream function, are cost effective and are built with minimal riprap. Auckland's Lucas Creek is an example of John's work along with several rivers and streams in Canada and California done for Departments of Transportation.

DATE | 31st August – 2nd September
VENUE | RYDGES Hotel, Auckland



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COURSE CALENDAR & REGISTRATION

August – October 2016	8 - 10
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STRESS FREE PROCESSES

2 DAYS

PRESENTER Steven Briggs

The demands of the job often mean late nights "fixing" issues or correcting other people's work so that the customer gets the right result. Sometimes mistakes get through and that leads to even more stress!

Effective people fix the problem and avoid having to fix the errors. To others, fixing problems can seem "too hard". The solution might be obvious, but where do you start getting everyone to agree to your idea?

TOPICS INCLUDE

- Defining the problem
- Getting the facts
- Quality tools
- Analysing the facts to determine likely causes
- Finding solutions
- Agreeing the fix
- Forming a plan
- Successful implementation
- Checking the problem stays fixed

ON COMPLETION OF THIS COURSE PARTICIPANTS WILL HAVE LEARNED

- A simple approach to improving processes
- An easy way (one page) to document the problem and track the solution

- How to determine the root cause of a problem
- Simple ways to capture information about the problem
- Techniques to measure the problem
- Techniques to find innovative solutions to problems
- How to present a solution to get buy-in
- How to make a realistic plan
- How to measure progress and identify issues
- How to make sure the problem is fixed
- How to prevent problems coming back to haunt you!

DATES

CHRISTCHURCH	7-8 September
WELLINGTON	12-13 October
AUCKLAND	23-24 November

FOR MORE INFORMATION CONTACT

Lisa Banks.

- ✉ lisa@nziht.co.nz
- ☎ 06 759 7065 ext 705.

CHIPSEAL DESIGN

2 DAYS

PRESENTER Barry Gundersen

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.

A detailed knowledge of the materials, treatment selection, design procedures and construction processes is essential to any understanding of chipseal performance on the road.

DATES

AUCKLAND	4-5 October
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FOR MORE INFORMATION CONTACT

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CONTACT INFORMATION

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Hamilton Office
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Conferences & Specialist Workshops
Jill Warner – jill@nziht.co.nz
ext 709

Short Courses

Lisa Banks – lisa@nziht.co.nz ext 705
Jan Kivell – jan@nziht.co.nz ext 708

Degree & Diploma

Jill Warner – jill@nziht.co.nz ext 709

The Diploma of Engineering (Civil)

Gerhard van der Westhuizen – gerhard@nziht.co.nz
May Osborne – may@nziht.co.nz

NZ Certificate in Infrastructure Works (Level 2) + (Level 3)
Jan Kivell – jan@nziht.co.nz

NZIHT operates as an independent company with the Western Institute of Technology at Taranaki as the sole shareholder.

MANAGING INFRASTRUCTURE AFFECTED BY RIVERS

1 DAY

PRESENTER **Kyle Christensen**

The effective maintenance of a roading network is very dependent on managing the risks associated with erosion and inundation from rivers and streams. This workshop will provide an overview of river and stream processes, hydrological and hydraulic analysis tools, risk management techniques and an outline of protection options.

DATES

TAURANGA	23 August
PALMERSTON NORTH	13 September
CHRISTCHURCH	28 September

FOR MORE INFORMATION CONTACT

Lisa Banks.

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TENDERING FOR PROJECTS 1 DAY

PRESENTER **Fiona Knight**

Winning contracts and evaluating tenders is essential to the continuing viability of any contractor/client. It involves an understanding of the issues and requirements of the procurement stage but also the skills and ability to structure the tender not just to be successful but to increase profits as well. If you wish to learn the tendering process, then this course is a must.

In addition it is essential for Clients and Consulting Engineers to understand how a tender is structured and presented to ensure competent evaluation of tenders submitted by Contractors.

DATES

DUNEDIN	16 August
CHRISTCHURCH	30 August
AUCKLAND	31 August

FOR MORE INFORMATION CONTACT

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IN HOUSE TRAINING

TAILOR-MADE TO

SUIT YOUR NEEDS

UNDERSTANDING QUALITY PAVEMENT CONSTRUCTION

2 DAYS

PRESENTER **Ian Anderson**

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.

DATES

AUCKLAND	16-17 August
CHRISTCHURCH	30-31 August

FOR MORE INFORMATION CONTACT

Lisa Banks.

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☎ 06 759 7065 ext 705.

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Hamilton 3240

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ROAD LIGHTING COURSE A – TO AS/NZS 1158 1 DAY

(with optional night tour)

PRESENTERS Graeme Culling and Geoff English

This one day course covers the series of AS/NZS 1158 Standards for Lighting for Roads and Public Spaces. 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.

An understanding of the principles and benefits of road lighting is important. The New Zealand road lighting series of standards is continually being updated. The latest review of the standards commenced in 2012 motivated by a need to incorporate LED lighting. The review is now extending to other areas and is likely to lead to a number of changes to reflect the latest research results from New Zealand and overseas and incorporate user feedback on the original publications. Among other things the changes are likely to include a review of the NZ road reflection tables and it is important that designers and asset owners understand the reason for the changes and how best to deal with them.

DATES

AUCKLAND

23 August

FOR MORE INFORMATION CONTACT

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ROAD LIGHTING COURSE B – DESIGN TRAINING 1 DAY

(with optional night tour – previous evening)

PRESENTER Graeme Culling

This Road Lighting Design Training course provides practical guidance for those involved in the detail of design process. Road Lighting Design is a skill that is essential for Asset owners of Road Lighting (Road Controlling Authorities, Councils and NZ Transport Agency) to have ready access to. The course concentrates of the design methodology for roads lit to both Category V and P - but also covers public space lighting, lighting of pedestrian crossings and tunnel lighting principles.

This one day design course builds on the NZIHT Road Lighting Course A. It covers the design methodology of the series of AS/NZS 1158 Lighting Standards and covers relevant material from the “right light” project.

DATES

AUCKLAND

24 August

FOR MORE INFORMATION CONTACT

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NZ Transport Agency & NZIHT

17th ANNUAL CONFERENCE

30th Oct - 1st Nov 2016
Dunedin Centre

TOWARDS WORLD LEADING ROAD OPERATION, CONSTRUCTION & MAINTENANCE



REGISTER NOW AT

www.nziht.co.nz

BRIDGE INSPECTION & MAINTENANCE PROCEDURES

2 DAYS

PRESENTER **Dave Charters**

Bridges are valuable assets, which must be maintained and managed if they are to remain functional at optimal cost through their design life.

Defects do occur which require attention during the life of a bridge. Some bridge components have a design life less than that of the bridge and require periodic replacement.

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.

DATES

AUCKLAND

27-28 September

FOR MORE INFORMATION CONTACT

Jan Kivell.

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UNDERSTANDING THE NATIONAL UTILITIES CODE

2 DAYS

PRESENTER **Fiona Knight**



How well do you know 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.

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 designed for corridor managers, utility operators, consultants and contractors and covers interpreting the Code and how to work better to comply with the requirements of the Utilities Access Act 2010.

DATES

WELLINGTON	3-4 August
DUNEDIN	17-18 August
CHRISTCHURCH	24-25 August
NEW PLYMOUTH	6-7 September
NAPIER	20-21 September
HAMILTON	28-29 September
PALMERSTON NORTH	18-19 October
TAURANGA	27-28 October

FOR MORE INFORMATION CONTACT

Lisa Banks.

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ASPHALT PRODUCTION PLANT OPERATION

2 DAYS

PRESENTER David Jones

THE SAFE AND EFFICIENT OPERATION OF ASPHALT PLANTS

The continued high performance of asphalt surfaces requires consistent quality asphalt mixes to be produced for sustained periods. Losses accruing from stoppages or the removing and relaying of ineffective asphalt materials can be considerable.

Thorough product and plant knowledge, coupled with skilled maintenance and operational procedures, is needed for the economical production of asphalt mixes from both fixed and mobile plants.

DATES

CHRISTCHURCH

8-9 August

FOR MORE INFORMATION CONTACT

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06 759 7065 ext 708.

THE FUNDAMENTALS OF ASPHALT MIX

2 DAYS

PRESENTER David Jones

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.

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

This will assist engineers and supervisors in their understanding of the design process and specifications.

TOPICS INCLUDE

- Objectives of design mix
- Desirable mix properties
- A review of non-structural mixes
- Reviewing mix types and practical considerations
- Reviewing mix design and procedures
- Performance based specifications
- Quality assurance
- Production testing and interpretation of test results
- Overview of asphalt manufacture and construction techniques

DATES

CHRISTCHURCH

22-23 August

FOR MORE INFORMATION CONTACT

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APPLYING BITUMEN EMULSIONS AND POLYMER-MODIFIED BINDERS

1 DAY

PRESENTER Phillip Muir

Bitumen emulsions for chipsealing offer some significant advantages over hot bitumen cutbacks in terms of safety, total energy use, greenhouse gas emissions and reduced risk in damp and cool environments.

Polymer-modified binders (PMB's) extend the range of engineering materials available to contractors and designers to solve many of the practical road-surfacing problems that arise due to such things as cracked pavements, high surface stresses and wide temperature ranges.

However, the ways that these particular materials behave, both when applying them and in service on the road, are markedly different from conventional bitumen binders.

DATES

PALMERSTON

11 August

CHRISTCHURCH

18 August

AUCKLAND

25 August

FOR MORE INFORMATION CONTACT

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BITUMEN – MANAGING THE RISK

1 DAY

PRESENTER Barry Gundersen

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. A separate course "Bitumen – Basic Safety" is intended for all others involved in the roading industry.

The one day course will be presented with the aid of graphic practical demonstrations and is designed to help managers comply with Health and Safety responsibilities.

DATES

PALMERSTON NORTH 13 September

FOR MORE INFORMATION CONTACT

Jan Kivell.

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☎ 06 759 7065 ext 708.

BITUMEN SPRAYER OPERATOR

1 DAY

PRESENTER Barry Gundersen

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 skills to accurately use the equipment.

Output quality is enhanced by bitumen product knowledge, adherence to safe handling procedures and careful record keeping.

DATES

PALMERSTON NORTH 15 September

CHRISTCHURCH 23 September

FOR MORE INFORMATION CONTACT

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BITUMEN – BASIC SAFETY 1 DAY

Includes hands-on fire extinguisher training

PRESENTER Barry Gundersen

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 awareness course for all personnel in the road surfacing industry and is presented with the aid of graphic practical demonstrations.

This popular course has practical 'hands-on' fire extinguisher training. Every person on the course gets to practice putting out a fire with an extinguisher.

It is a pre-requisite for other advanced courses for those handling, operating, maintaining, working near bitumen equipment or supervising the use of bituminous materials. This course will assist with compliance with individual and company health and safety responsibilities.

DATES

AUCKLAND 2 September

HAMILTON 6 September

PALMERSTON NORTH 9 September

CHRISTCHURCH 20 September

DUNEDIN 28 September

FOR MORE INFORMATION CONTACT

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BITUMEN PLANT AND TANKER OPERATOR 1 DAY

PRESENTER Barry Gundersen

The operation of bitumen tankers, sprayers and 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.

Quality is maintained by bitumen product knowledge, adherence to handling procedures, accurate blend calculation and careful record keeping.

This course is a "follow-on" from the awareness level Bitumen – Basic Safety

course and is designed specifically for "hands-on" operators. It is a pre-requisite for the Bitumen Sprayer Operator course.

DATES

PALMERSTON NORTH 14 September

CHRISTCHURCH 22 September

FOR MORE INFORMATION CONTACT

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AUGUST – OCTOBER 2016

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.

24 August	Taupo
14 September	Palmerston North
22 September	Christchurch
29 September	Auckland
Cost (excl GST)	\$450

An Introduction to Materials for Chipseals

(1 day)

This course provides a basic introduction to the materials used in chipseals and asphalt in NZ and is intended for those who have not previously had formal training in this subject from other courses such as an appropriate degree or diploma.

3 October	Auckland
Cost (excl GST)	\$480

Applying Bitumen Emulsions and Polymer-Modified Binders (1 day)

Refer to page 6.

11 August	Palmerston North
18 August	Christchurch
25 August	Auckland
Cost (excl GST)	\$450

Asphalt Paving Construction Supervisor

(3 days)

Asphalt paving construction productivity depends on the smooth running of laying operations and effective contractual relationships. Poor construction practices often lead to surface defects, incorrect layer thickness and shape problems. It is easy to underestimate the costs associated with rework and/or the repair of asphalt surfacing that competent supervision would have avoided in the first place.

2-4 August	Auckland
Cost (excl GST)	\$1,100

Asphalt Production Plant Operation

(2 days) Refer to page 6.

8-9 August	Christchurch
Cost (excl GST)	\$750

Become an Effective Leader (2 days)

The more people have to depend on each other to achieve results under pressure, the higher the instance of conflict.

Given the complex working relationships that exists in 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, mishandled conflict situations damage work relationships and may deplete personal energy and focus, causing productivity to plummet.

People and organisations can greatly benefit from learning to handle conflicts skillfully and confidently.

30-31 August	Christchurch
14-15 September	Palmerston North
28-29 September	Auckland
Cost (excl GST)	\$750

Bitumen – Basic Safety

Includes hands-on fire extinguisher training
(1 day) Refer to page 7.

2 September	Auckland
6 September	Hamilton
9 September	Palmerston North
20 September	Christchurch
28 September	Dunedin
Cost (excl GST)	\$520

Bitumen – Managing the Risk (1 day)

Refer to page 7.

13 September	Palmerston North
Cost (excl GST)	\$450

Bitumen Plant and Tanker Operator (1 day)

Refer to page 7.

14 September	Palmerston North
22 September	Christchurch
Cost (excl GST)	\$450

Bitumen Sprayer Operator (1 day)

Refer to page 7.

15 September	Palmerston North
23 September	Christchurch
Cost (excl GST)	\$450

Bridge Inspection and Maintenance Procedures (2 days)

Refer to page 5.

27-28 September	Auckland
Cost (excl GST)	\$750

Chipseal Design (2 days)

Refer to page 2.

4-5 October	Auckland
Cost (excl GST)	\$750

Competent Pipeline Rehabilitation (1 day)

Lining of ruptured underground drains and ducts provides a cost effective, less disruptive method for rehabilitation of the service. This course will provide an insight into the range of drains and service ducts that may be suitable for rehabilitation by relining. We will also be covering surveying, cleaning and assessment of failed drains and ducts, selection of rehabilitation methods and materials. Key safety aspects of materials use and installation.

23 August	Auckland
20 September	Christchurch
Cost (excl GST)	\$450

Construction & 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.

24 August	Hamilton
21 September	Christchurch
Cost (excl GST)	\$450

CALENDAR KEY

- Confirmed courses, but spaces still available.
- Potential courses still require numbers to run.
- Course is full.

Construction & Maintenance of Unsealed and Forestry Roads (1 day)

The performance of unsealed roads is largely dependent on the quality of available road making materials, local environmental conditions, maintenance policies and available resources.

Recent research indicates that improvements to unsealed roads can be made through the adoption of good practices and alterations to some traditional management techniques.

25 August	Invercargill
Cost (excl GST)	\$450

Creating a Health & Safety Culture (1 day)

How well are you doing in creating a health and safety culture? The Health and Safety legislation puts responsibility for managing risks and potentially hazardous situations on people at all levels in workplaces, from the Board Chair to the cleaner. Many people complain: "It's not based on common sense, so how can we apply it?" Do you know what your health and safety

10 August	Auckland
25 August	Palmerston North
Cost (excl GST)	\$450

Environmental Risks of Construction (1 day)*'Preparing you with the on-site essentials'*

Do you know the environmental risks and obligations of the 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.

15 September	Wellington
27 October	Auckland
Cost (excl GST)	\$595

Geomechanics for NZ Roding (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.

21 September	Palmerston North
19 October	Dunedin
Cost (excl GST)	\$450

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 August	Christchurch
7 September	Palmerston North
28 September	Auckland
Cost (excl GST)	\$450

Calendar continued on next page >

Inspecting Roads and Establishing Maintenance Needs

(1 day)

This course provides an introduction to the methodology used to inspect and determine road maintenance needs.

12 August	Palmerston North
25 August	Christchurch
7 September	Dunedin
20 September	Auckland
Cost (excl GST)	\$450

Kerbside Collection Traffic Leader (KCTL)

(half day)

This half day course promotes safe working practices, standards and operating procedures in a mobile waste collection operation. The course will assist with compliance with the Health and Safety in Employment Act. If required by a road controlling authority all new drivers must obtain a Waste Collection Traffic Leader qualification within four months of commencing employment.

6 October	Auckland
17 October	Palmerston North
31 October	Christchurch
Cost (excl GST)	\$250
plus NZTA Registration	\$40

Level 1 Basic Traffic Controller (TC)

(1 day)

This one day course promotes safe working practices, standards and operating procedures at roadwork sites. 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).

This course is the pre-requisite for entry requirement for people wanting further training to Level 1 Site Traffic Management Supervisor (STMS) standard of the Code of Practice for Temporary Traffic Management.

10 August	Palmerston North
16 August	Hamilton
18 August	New Plymouth
18 August	Invercargill
24 August ●	Auckland
24 August	Napier
30 August	Christchurch
7 September	Lower Hutt
8 September	Dunedin
15 September ●	Auckland
16 September	New Plymouth
19 September	Christchurch
13 October	Palmerston North
13 October	Auckland
21 October	Christchurch
26 October	New Plymouth
27 October	Hamilton
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 new standards and operating procedures for NZTA and Local Authority roads.

1-2 August	Christchurch
1-2 August	Dunedin
8-9 August	Lower Hutt
22-23 August	Auckland
30-31 August	New Plymouth
1-2 September	Christchurch
13-14 September	Palmerston North
20-21 September	New Plymouth
21-22 September	Invercargill
22-23 September	Hamilton
27-28 September	Auckland
29-30 September	Christchurch
29-30 September	Napier
11-12 October	Lower Hutt
18-19 October	Auckland
19-20 October	New Plymouth
26-27 October	Christchurch
Cost (excl GST)	\$495
plus NZTA Registration	\$40

Maintenance & Safe Use of Small Plant & Machinery

(1 day)

Power tools, generators, rollers, screeds and other small machines are basic equipment used in the everyday operation of any roading or civil contracting company.

17 August	Wellington
29 August	Christchurch
20 September	Palmerston North
Cost (excl GST)	\$450

Managing Infrastructure Affected by Rivers

(1 day)

Refer to page 3.

23 August	Tauranga
13 September	Palmerston North
28 September	Christchurch
Cost (excl GST)	\$570

Microsoft Excel

(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, navigate large spread sheets, save time, and become a confident Excel user.

22 August	Wellington
30 August	Auckland
20 September	Christchurch
Cost (excl GST)	\$520

CALENDAR KEY

- Confirmed courses, but spaces still available.
- Potential courses still require numbers to run.
- Course is full.

Microsoft Project – Task Management

(1 day)

The Task Management course provides a comprehensive introduction to Project Managers, Business Managers, or anyone responsible for scheduling tasks and resources. This course gives participants the skills necessary to develop, implement, schedule and manage a project plan.

7 September	Wellington
31 August	Auckland
8 September	Christchurch
Cost (excl GST)	\$520

Pavement and Rehabilitation Design

(2 days)

Since the adoption of the Austroads Pavement Design guide in NZ, pavement and rehabilitation design requires an understanding of mechanistic analysis procedures and the use of the computer program CIRCLY.

18-19 October	Christchurch
Cost (excl GST)	\$850

Refresher – Level 1 STMS and Refresher – Level 1 Basic TC

(1 day)

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

11 August ●	Palmerston North
17 August	Hamilton
19 August	New Plymouth
19 August	Invercargill
25 August	Auckland
25 August	Napier
31 August	Christchurch
8 September	Lower Hutt
9 September	Dunedin
15 September	New Plymouth
20 September	Christchurch
14 October	Palmerston North
14 October	Auckland
20 October	Christchurch
27 October	New Plymouth
28 October	Hamilton
Cost (excl GST)	\$300
plus NZTA Registration	\$40

Reinstatement of Service Trenches

(1 day)

Avoid costly rework to suburban service trenches. 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.

23 August	Taupo
Cost (excl GST)	\$450



Calendar continued on next page >

- Confirmed courses, but spaces still available.
- Potential courses still require numbers to run.
- Course is full.

Road Lighting Course A – to AS/NZS 1158

(1 day) Refer to page 4.

23 August	Auckland
Cost (excl GST)	\$450

Road Lighting Course B – Design Training

(1 day) Refer to page 4.

24 August	Auckland
Cost (excl GST)	\$450

Slinging, Lifting, Moving and Placing, with and Excavator or Loader

(1 day)

Refer to page 12.

29 August	Palmerston North
20 September	Auckland
18 October ●	Christchurch
Cost (excl GST)	\$450

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. This workshop provides an overview of the main issues involved with the design and construction of sealed and unsealed pavements using stabilisation.

31 August	Auckland
26 September	Wellington
12 October	Dunedin
Cost (excl GST)	\$450

Stress Free Processes

(2 days)

Refer to page 2.

7-8 September	Christchurch
12-13 October	Wellington
Cost (excl GST)	\$995

Successful Project Management (2 days)

The pace of change means that more and more inexperienced people are being asked to lead projects. 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.

10-11 August	Christchurch
23-24 August	Palmerston North
20-21 September	Whangarei
Cost (excl GST)	\$995

Supercharged Supervisors Toolkit (1 day)

This highly interactive and acclaimed course will address four essentials to the supervisor. What you have to BE, KNOW, DO and LEARN.

20 September	Christchurch
18 October	Auckland
27 October	Napier
Cost (excl GST)	\$595

Survey & Set Out – Stage 1 (1 day)

Refer to page 12.

25 August ●	Auckland
Cost (excl GST)	\$520

Tendering for Projects (1 day)

Refer to page 3.

16 August	Dunedin
30 August ●	Christchurch
31 August	Auckland
Cost (excl GST)	\$520

The Fundamentals of Asphalt Mix

(2 days)

Refer to page 6.

22-23 August	Christchurch
Cost (excl GST)	\$750

The National Utilities Code – What Site Staff should know

(1 day)

This course is designed specifically for contractors and utility network staff who install or maintain utility assets in the road and rail corridors to give an overview of the National Utilities' Code.

11 August	Auckland
19 August	Christchurch
26 August	Palmerston North
8 September	New Plymouth
22 September	Napier
27 September	Hamilton
20 October	Palmerston North
26 October	Tauranga
Cost (excl GST)	\$450

Time Mastery (1 day)

You have as much time in a day as everyone else does. So what happens to it?

This very powerful seminar has participants construct their own personalised Time Management Plan according to their style and work environment.

21 September	Christchurch
19 October	Auckland
28 October	Napier
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 and building contracts?

This popular course, from a practical and 'hands-on' point of view will benefit Clients, 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.

10-11 August ●	Auckland
Cost (excl GST)	\$750

Understanding Quality Pavement Construction (2 days)

Refer to page 3.

16-17 August ●	Auckland
30-31 August ●	Christchurch
Cost (excl GST)	\$750

Understanding the National Utilities Code

(2 days)

Refer to page 5.

3-4 August	Wellington
17-18 August	Dunedin
24-25 August	Christchurch
6-7 September	New Plymouth
20-21 September	Napier
28-29 September	Hamilton
18-19 October	Palmerston North
27-28 October	Tauranga
Cost (excl GST)	\$750

Working with Concrete (1 day)

This course aims to give workers basic knowledge relating to preparing, placing and finishing minor concrete works and the equipment needed to

11 October	Christchurch
27 October	Palmerston North
Cost (excl GST)	\$450



SHORT COURSE REGISTRATION FORM



I / WE WILL ATTEND THE FOLLOWING NZIHT SHORT COURSE

Please fill details in below.

COURSE NAME

COURSE LOCATION

COURSE DATE

NAME OF PARTICIPANT (1)

NAME OF PARTICIPANT (2)

NAME OF PARTICIPANT (3)

NAME OF PARTICIPANT (4)

ORGANISATION NAME & POSTAL ADDRESS

CONTACT PERSON (All correspondence will be forwarded to the Contact person)

CONTACT'S JOB TITLE

CONTACT'S PHONE NUMBER

CONTACT'S EMAIL

PURCHASE ORDER NUMBER

Course cost \$

Plus 15% GST \$

Cheque enclosed for: \$

Please make payable to NZ Institute of Highway Technology Ltd, or

Please invoice us for: \$

Please charge my credit card: \$

Name on card

Card number

Expiry date Security Code 3 digit number on back of card

TERMS AND CONDITIONS

Note: Late registrations will be accepted if space is available.

Please note: Confirmation letters will be sent five working days prior to the course date.

Cancellations: Participant withdrawals must be notified in writing. Withdrawals after the close-off date (5 working days prior to the course date) will be charged 50% of the course fee. Non attendance will also be charged the full rate. Substitute participants are welcome. Please refer to our current Training Programme for full registration details and conditions.

Attendee will be responsible for any debt recovery costs on unpaid fees.

The NZIHT reserves the right to alter course dates, postpone or cancel courses due to unforeseen circumstances or where numbers are not sufficient.

Post or email back at least **two weeks prior to the course date:**

The Course Co-ordinator

New Zealand Institute of Highway Technology Ltd
P O Box 4273, New Plymouth, 4340

P. (06) 759 7065

E. admin@nziht.co.nz

SLINGING, LIFTING, MOVING AND PLACING

with an Excavator or Loader

2 DAYS

PRESENTER Laurie Brown

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.

Equipment can be large and heavy such as drainage pipes and manholes. To help you, it is important to move and place this large equipment with either a loader or excavator.

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.

DATES

PALMERSTON NORTH 29 August

AUCKLAND 20 September

CHRISTCHURCH 18 October

FOR MORE INFORMATION CONTACT

Lisa Banks.

✉ lisa@nziht.co.nz

☎ 06 759 7065 ext 705.



SURVEY AND SET OUT – STAGE 1

1 DAY

PRESENTER Steve Parker

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.

DATES

AUCKLAND 25 August

CHRISTCHURCH 25 November

FOR MORE INFORMATION CONTACT

Lisa Banks. ✉ lisa@nziht.co.nz ☎ 06 759 7065 ext 705.

