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Issue 25, January 2016

From the Chair...

Update from the Chair – 29/01/2016

Welcome to the first issue of CETANewZ for 2016. I hope you all had a good break and enjoyed some of the good weather we had over Christmas.

In the last issue, I mentioned some of the great work that the committee and members have worked on over the last couple years. Looking forward some of the next challenges for CETANZ members are:

- MBIE new Health and Safety Work Act comes into force April 2016.
- MBIE will release new regulations for Health and Safety at Work (Hazardous Substances) in 2016.
- CETANZ 2016 conference in Tauranga
- CETANZ AGM and Management Committee elections
- CETANZ Salary/Wage survey
- CETANZ proficiency schemes
- Further NZ Standards reviews
- Release of the new 17025 standard in 2017.

The committee and I look forward to tackling these initiatives and many more over the next 12 months.

Stuff I've read that I thought you might find interesting:

While I was away I actually managed to find five minutes to read Yes Jayden reads ...sometimes!

But not the latest Andy McNab or John Grisham I just can't concentrate on a 500 page novel ...I like quick little interesting news items or magazine articles that take less than 5 minutes to read and longer to think about ...

Here are a couple things that caught my eye.

Trade 2015 data

- IT roles dominate the top 20 highest paid roles.
- Bay of Plenty had the highest growth. At least 20% increase in Job listings.
- Sectors that grew the most
Education 20%
Construction 17%
HR 16%
- Overall 2015 listings grew by 2.9% compared to 2014.



English is the Language of Business

When I was in high school doing 5th Form School Cert (that's how old I am) we were told to learn mandarinChina was growing and that's where all our new opportunities would be.

Turns out they were half right.

I read that English is the preferred language of business. In a recent worldwide study, 25% of jobs require people to interact with people from other countries. Over two thirds of those people were required to speak English. Most of the large Asian based companies now require their employees to pass English language proficiency tests.and why you ask?

The Internet & Globalisation!

Corporates are wanting more collaboration and efficiency and are utilising the internet more. The best way to achieve this is to have every one in each different office around the world speaking the same language.

Hot Business Trends

- A rise in wellness programs for staff. One restaurant offered free midnight Yoga lessons as an alternative to the heavy drinking sessions that staff would normally take part in to wind down after a long shift.
- Stand up desks are the new corner office.
- Web adds out, direct print adds and cheap video adds are in.
- Millennials are more likely to start up their own business.
- Business will use more freelance or contract staff to fill expertise gaps.
- Workers have had enough of always being connected. They want more work/life balance and will start to disconnect after hours.
- Email is out corporate instant messaging is in.
- More business for sale as baby boomers retire.
- Living/working in the city is out, smaller locations are in.
- The following words are out: Might, Should, Really, Usually, Won't, Likely, If Only,
- The following words are in: Amplify, Ladder Up, Ecosystem, Value Add, Synergy, Onboarding.

A Road to Happy Customers

Our customers are the most important part of our businesses.

Do a quick self-assessment to see where you stand.

- What do our customers commonly praise us on?
- What do they commonly complain about?
- What are our strengths?
- What makes your product or service successful?
- How do they match up with your customer needs?
- How could they be improved?
- How have your customer preferences changed?
- Is there anything holding you back from what you do best?

Figure out what your customers want more of and do it. Repeat customers are a key indicator of business growth. Anyway Hope you find some of this useful. See you in the next issue!

If you would like to know more, or you want to get involved, feel free to get in touch anytime. Contact us here at info@cetanz.org.nz if you would like to learn more

I hope you enjoy this issue.

Jayden Ellis

Chair - CETANZ

Caption Competition Winner

Thanks everyone for all of your entries to the caption competition from our previous issue. The winner is.. Gary Bentley with this cheeky entry:



Congratulations Gary, a gift basket will be making its way out to you soon.

Summer photo competition!

Any major news publication (i.e CETANewZ, NZ Herald) worth it's salt has a summer photo competition. Show us what you've been up to this summer! There will be a prize for the winning entrant. Good luck!



**HEB Construction***"Serving one another"*

Field Lab Technician
Waikato Expressway Huntly Section
Fixed term until June 2019

The New Zealand Transport Agency (NZTA) has officially awarded the NZ\$350M Huntly Bypass project in Waikato to the Fulton Hogan/HEB Joint Venture. As part of the construction of the Waikato Expressway, the 15.2km bypass will have four traffic lanes, connecting the Ohinewai section in the north with the Nga-ruawahia section in the south. This design and build project is expected to be completed in 2019.

As the Field Lab Technician, you will be working on site within the Quality team alongside the Projects Engineers and other laboratory staff to provide a competent and reliable technician service to one of New Zealand's biggest construction projects.

Responsibilities include:

- On site testing including shear vane testing, scala testing, NDM testing and Benkelman beam testing
- Following all work instructions and test methods in accordance with IANZ standards
- Sampling of civil engineering construction materials and issuing the samples to the laboratory
- Recording and reporting results
- Undertaking safe work practices at all times

You will bring these essentials to the role:

- 2-3 years' experience in soil testing
- Technical knowledge and skills to ensure a high level of accomplishment
- Computer literacy in Microsoft Word and Excel
- Desire to increase personal technical knowledge
- Ability to see the big picture and coordinate team efforts

Further you will have excellent customer liaison skills, initiative and an ability to complete work without supervision. If you think you have what it takes to make the step up then apply now!

A competitive remuneration package will be offered in keeping with the successful applicant's skills and experience. For further information call Sara Pannell at the Head Office on 09 295 9000 or email a copy of your current CV to: sara.pannell@heb.co.nz

The closing date is 7th February 2016.

Successful applicants will be required to pass a pre-employment medical and drugs screen.

Articles of Interest

Research Report 574 Geosynthetics in basecourse stabilisation

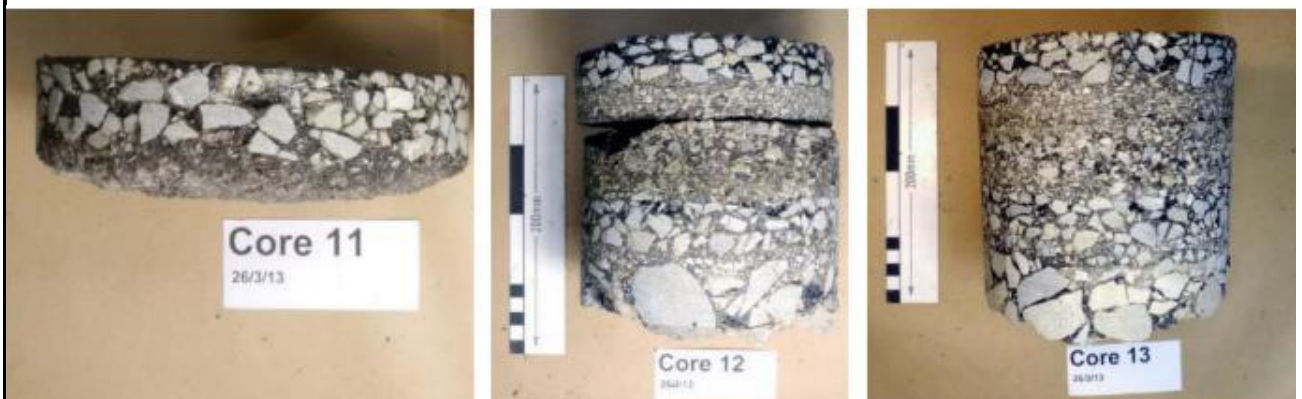
This report investigates the use of geosynthetics for stabilising basecourses prepared with a rounded, river run gravel aggregate.



You can find a PDF of the full article here: <https://www.nzta.govt.nz/resources/research/reports/574/>

Authors: SA Bagshaw, PR Herrington, P Kathirgamanathan and SR Cook – Opus International Consultants Ltd

Research Report 576 Flushing in chipseals



An investigation into chip seal flushing. What physical mechanisms cause flushing? A model was developed to predict flushing over the New Zealand state highway network. You can find a PDF of the full article here: <https://www.nzta.govt.nz/resources/research/reports/576/>

Author: PR Herrington – Opus Research, Opus International Consultants Ltd



Internal Vacancy

Laboratory Vacancy - Nelson

- Full time salaried position and with other company benefits
- Beautiful part of the country- great lifestyle, plenty to see and do

The role;

We're looking for a person to join our busy civil materials testing laboratory based in Nelson. Ideally you will have experience in civil materials testing but we will provide on the job training for the right person. We also wish to develop the role into a supervisory position reporting to the lab manager, but this depends on your personal skills and prior experience.

This is a varied position with great prospects. Due to the materials that will be tested this can be a physically demanding role.

About you;

- Previous experience in civil materials testing is preferred but not essential as on the job training will be provided.
- You're a self-starter with previous supervisory experience
- A full class 1 driver's licence is essential.
- You will have a strong focus on accuracy and you will be keen to increase your technical knowledge.
- You will be deadline driven
- Computer literate and excellent communication skills.

Applications close on 5 February 2016.

Apply online today with your CV and cover letter. For more information, please contact Alan Prescott on (03) 5478568. Successful applicants will be required to pass a pre-employment medical and drugs screen.

www.fultonhogan.com

The Most Dangerous Dam in the World



the Chambarakat Dam in Mosul, Iraq is listed as the most dangerous dam in the world due to being built on an unstable base of gypsum.

Continuous maintenance is required to plug, or "grout", new leaks with a liquefied slurry of cement and other additives. More than 50,000 tonnes of material have been injected into the dam since leaks began forming shortly after the reservoir was filled in 1986, and 24 machines currently continuously pump grout into the dam base. A September 2006 report by the United States Army Corps of Engineers noted, "In terms of internal erosion potential of the foundation, Mosul Dam is the most dangerous dam in the world."

Reports have outlined a worst-case scenario, in which a sudden collapse of the dam would flood Mosul under 20m of water and Baghdad, a city of 7 million, to 4.6 m, with an estimated death toll of 500,000.

See the full article [HERE](#)



Calibration and repair

We've got a new look, a new location and increased services.
Now calibrating and servicing just about all your civil testing gear.



The Measurement &
Calibration Centre



New Calibration Services

In addition to our existing suite of services, we have recently gained IANZ accreditation for:

- Compression machines
- Tension machines
- Balances
- Load cells
- Proving rings



Civil Testing Equipment

Nuclear Density Meters, Shear Vanes, Impact Testers, Concrete Airmeters, Schmidt Hammers, Measuring Wheels, Scala Penetrometers, Skid Resistance Testers and more...

Metrology and Lab Testing Equipment

Dial Gauges, Calipers, Liquid Limit Devices, Length Bars, Micrometers, Rubber Hardness Testing (ShoreA, IRHD), Measuring Tapes, Steel Rules, Weight Gauges, Engineers Squares, Spirit Levels, Dumpy Levels, Bevel Protractors, Inclinoimeters (Bevel), Graticules, Paint Gauges, Gauge Blocks, Thread Gauges, Surface Texture, Surface Plate and more...

MCC - The Measurement and Calibration Centre

For more information call us on: Ph: (09) 362-1720 or visit our website www.themcc.co.nz
19 Morgan Street, Newmarket, Auckland, New Zealand

Thanks for reading issue 25 of CETANewZ,

In the next issue:
More safety alerts!
Report from the islands!
Auckland's Solar Powered Lab!

I shall leave you with this amazing image of a landslide in [Taiwan from 2010](#). The landslide covered a nearly 300m length of motorway.

Best Regards,
John King
Editor

