



National Pavements Technical Group



Who We Are

National Pavements Technical Group

Who Are We?

- Industry Sector Group established 2008 consisting of pavement experts from Waka Kotahi, Consultants, Contractors & Industry Associations

Purpose

- Identify, develop, document, maintain & facilitate best practice for road pavement design, materials & construction activities in New Zealand
- Provide a formal industry gateway for NZTA documents & directives

Objectives

- That the wider industry, inclusive of contractors, clients & consultants, is made aware of & is encouraged to use best practice for designing & constructing pavements
- That best practice methods are reviewed & revised as required, to enhance pavement performance, efficient use of materials & construction methodologies

Current Members

- Bryan Pidwerbesky (Chair)
 - David Alabaster
 - Greg Arnold
 - Allen Browne
 - Mark Cruden
 - Andrew Deakin
 - Thorsten Froebel
 - Riaan Theron (Deputy Chair)
 - Ken Hudson
 - Robert Patience
 - Sarah Patrick
 - Mike Chilton
 - Michelle Farrell
 - Danny Wyatt
 - Vacant
- Fulton Hogan
 - Waka Kotahi
 - Asco Asphalt
 - Hiway Group
 - MC Engineering
 - Bartley Cons
 - Higgins
 - BECA
 - Stantec
 - Downers
 - GHD
 - AQA Rep
 - CCNZ Rep
 - CETANZ rep
 - Local govt rep



Corresponding Members

Nick Schilov – Hiways

Milad Ebrahimi - Aecom

Angela Parsonage – Aecom

Shaun Magee – Downer

Ramiz Iskander

John Kaczon – Pinnacles Civil

Louwrens Viljoen – Arup

Chris Pacey – Fulton Hogan

Jaime Clark – Fulton Hogan

Emile van Zyl – Fulton Hogan

Charlotte Turner – Fulton Hogan

Simon Hughes-Johnson – Bartley Consultants

Graham Salt – Geosolve

Sean Bearsley – Higgins

Giulio Chapman Olla

Rob Damhuis - Waka Kotahi

Ross Peploe - Bartley Consultants

Greg Seed - Bartley Consultants

Pritesh Karan - Bartley Consultants

Kent Johnson - Bartley Consultants

Martin Gribble – Stantec

George Tsatsas – Stantec

Adam Leslie – Waka Kotahi

Clare Dring - FH

Paul Anderson – WSP

Bruce Steven – BECA

Stanley Lee – BECA

Stacy Goldsworthy – Winstone Agg

Arnold de Bruyn – GHD

Damien Douglas – WSP

Sheryn Reilly – WSP

Reda Roufail – WSP

Danvir Maharaj – WSP

Greg Bailey – WSP

Matt Sharp – WSP

Janus Grove - FH

Major Achievements

Draft plateau density testing best practice (T/24)

State Highway Pavement Delivery System review

Delivery of T/19 spec (Design & Indirect Tensile Strength Testing of Modified & Bound Pavement Materials)

Delivery of updated F/1 (Earthworks)

Delivery of B series specs: B/5, 6, 7, 8, 9

Reviewing & input to B/10 HiLab spec

Strategy



Our 3 Strategic Goals



**Share Existing
Knowledge**



**Develop New
Resources**



Build Knowledge



Share Existing Knowledge

Set up Comms working party (sub-group)



Develop and implement communications plan



Coordinated conference attendance delivering NPTG papers or workshops per year (eg CCNZ, CETANZ, NZTA/NZIHT conferences)



Host a NPTG seminar

Develop New Resources

Work with NZTA to create or update at least two guidelines per year

Project	Description
M/4 Review	New version drafted
M/3 Review	Ensure appropriate aggregates used for subbase
NZ Pavement Rehab Guide Revision	NPTG members on every section's panel
T/24	Standardised plateau density process
B/9	Specification for HiLab materials & constructon
national guideline on use of marginal aggregates	

Build Knowledge

Objectives

- To identify research opportunities that address major problems in the industry
- To identify research opportunities that align with central & local government strategic directions
- To frame research directions to support the work towards the review & revision of best practice & specifications (steering role)

Priorities 2023/24

- Intelligent compaction: Implementation benefits vs costs
- Dense graded aggregate (DGA): Where is DGA best used (eg rural, urban, suburban, highways, arterials). Field trials underway.
- Bitumen replacement: Support WSP, Auckland Univ research funded by MBIE
- Cement replacement: Natural materials, pozzolans
- Carbon footprint of a range of pavement alternatives over 40-year analysis period

We're here for Industry

- We want to hear about your challenges
 - A conduit between Industry & NZTA
 - Contact NPTG Chair: bryan.pidwerbesky@fulthonhogan.com
- Thankyou

