

# The National Pavements Technical Group

*Who we are and what we do*

Mark Cruden, NPTG Chair



# Who are we?



Industry Sector Group established 2008...evolved from the stabilisation working group

- **Purpose**

- to identify and facilitate best practice for road pavement design, materials and construction
- Provide a formal industry gateway for NZTA documents and directives
- Provide direction and advice to NZTA on R&D

- **Objectives**

- Industry understands and uses best practice to design and build pavements
- Best practice methods are reviewed and revised as knowledge grows



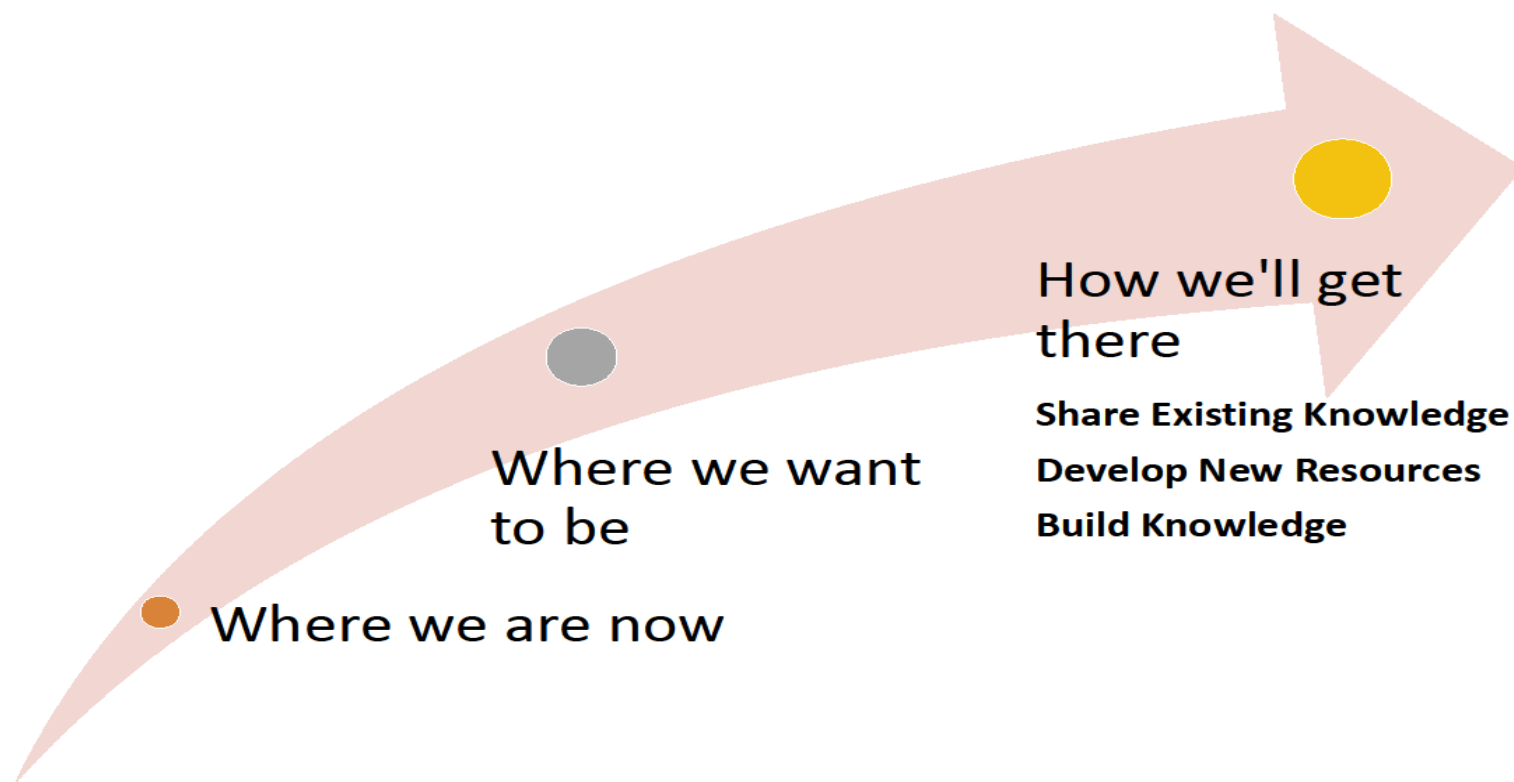
# Current members

- Mark Cruden (Chair) Meyer Cruden Engineering
- David Alabaster New Zealand Transport Agency
- Greg Arnold Downer New Zealand
- Allen Browne Hiway Group
- Mike Chilton rep AQA
- Danny Wyatt Winstone (rep. CETANZ)
- William Gray (Vice Chair) WSP Opus Consultants
- John Hallett BECA
- Ken Hudson Stantec NZ (rep. IPENZ)
- Robert Patience Higgins
- Ross Peploe Bartley Consultants
- Bryan Pidwerbesky Fulton Hogan
- Angela Parsonage Auckland Transport
- Stacy Goldsworthy (CCNZ Rep)
- Thorsten Frobel GHD



# Strategic Plan 2018-2021

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# Where we want to be..



Predictable performance

Timely intervention

Evidence based pavement solutions

Knowledgeable industry

Tiered risk based approach

Sustainable resource use



# Knowledgeable Industry

Specification Delivery:-

- B/5, 6, 7, 8, 9
- T/19, F/1– awaiting NZTA endorsement

Input into “NZ Guide to Pavement Evaluation and Treatment Design”

- NZTA document
- NPTG provided feedback
- Rolled out 2017 – workshops delivered NZTA with support from NPTG





# “NZ Guide to Pavement Evaluation and Treatment Design”

Risk based approach – provides a consistent framework for risk based decision making

Tiered approach - again provides a consistent framework offering tiered technical solutions

Not perfect, but puts a stake in the ground



# “NZ Guide to Pavement Evaluation and Treatment Design”

Feedback to date....investigation levels and treatment options may be too conservative – maybe/maybe not

Disruptive in that it challenges some previous thinking on best practice

The guide has narrowed the scope of the debate





# Sustainable Aggregate Use

M/4 empirical technical specification

- One size fits all
- Served us well
- But not that well aligned with tiered approach

Potentially provides more security than needed

Potentially sometimes not enough - RONS

NPTG providing steering to an NZTA marginal aggregate research project



# Sustainable Aggregate Use

- Less cartage & wastage
- Protection of premium products
- Must be evidence based
- Must be simple to use



# Healthy debate

Unbiased & informed  
debate

New technology and  
research discussed

Not always adopted







## We're here for industry

- We want to hear about your challenges – large or small
- A conduit between industry and NZTA
- Contact [mark@mcengineering.co.nz](mailto:mark@mcengineering.co.nz)
- Or other members.....



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Pavements Techni