

# The Nar Nar Goon Validation Site

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Road Profiler User's Group

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# Outline

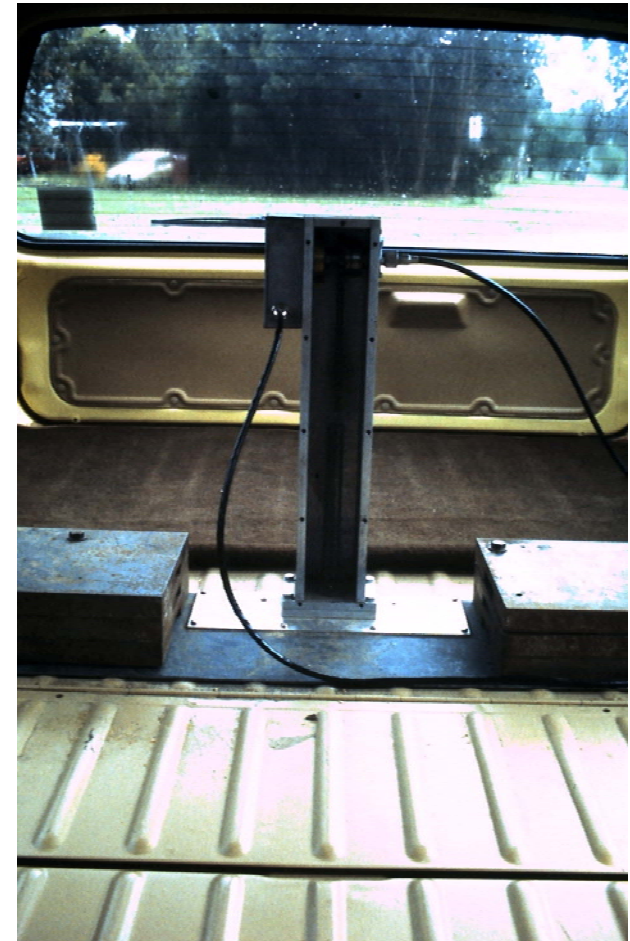
- The past
- A bigger burger
- Nar Nar Goon
- The measurements
- The future
- Brief summary





# Remember when.....

- The RTRRMS ruled the roadways



# Life was simple

- You were satisfied with a cheese burger
- Only needed to validate one pavement condition parameter





# 1986 Berwick-Cranbourne validation site



## Soon we wanted something more

- Roughness was no longer the only game in town





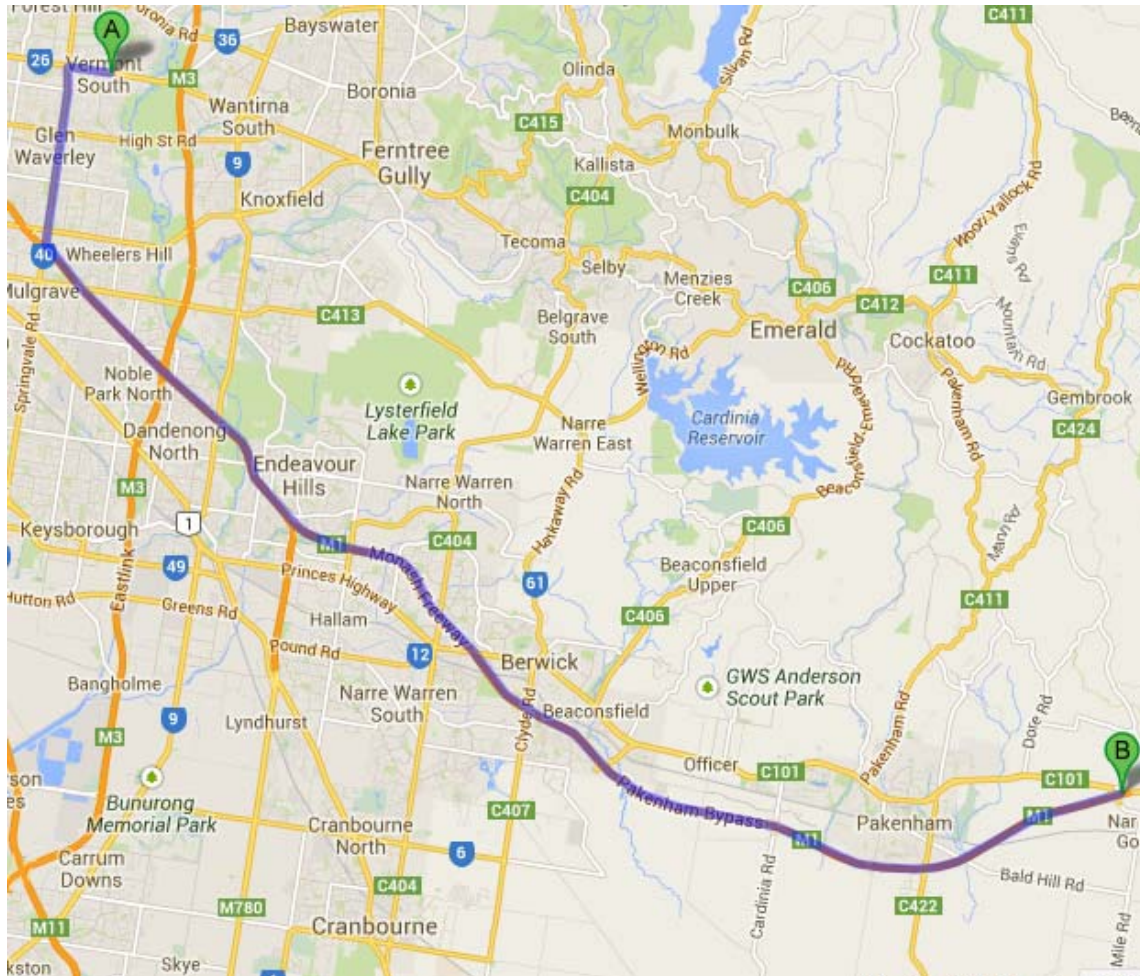
# We had to find a new site

- Why?
  - Lack of variation in key pavement condition parameters
  - Urban sprawl
  - Rehabilitation



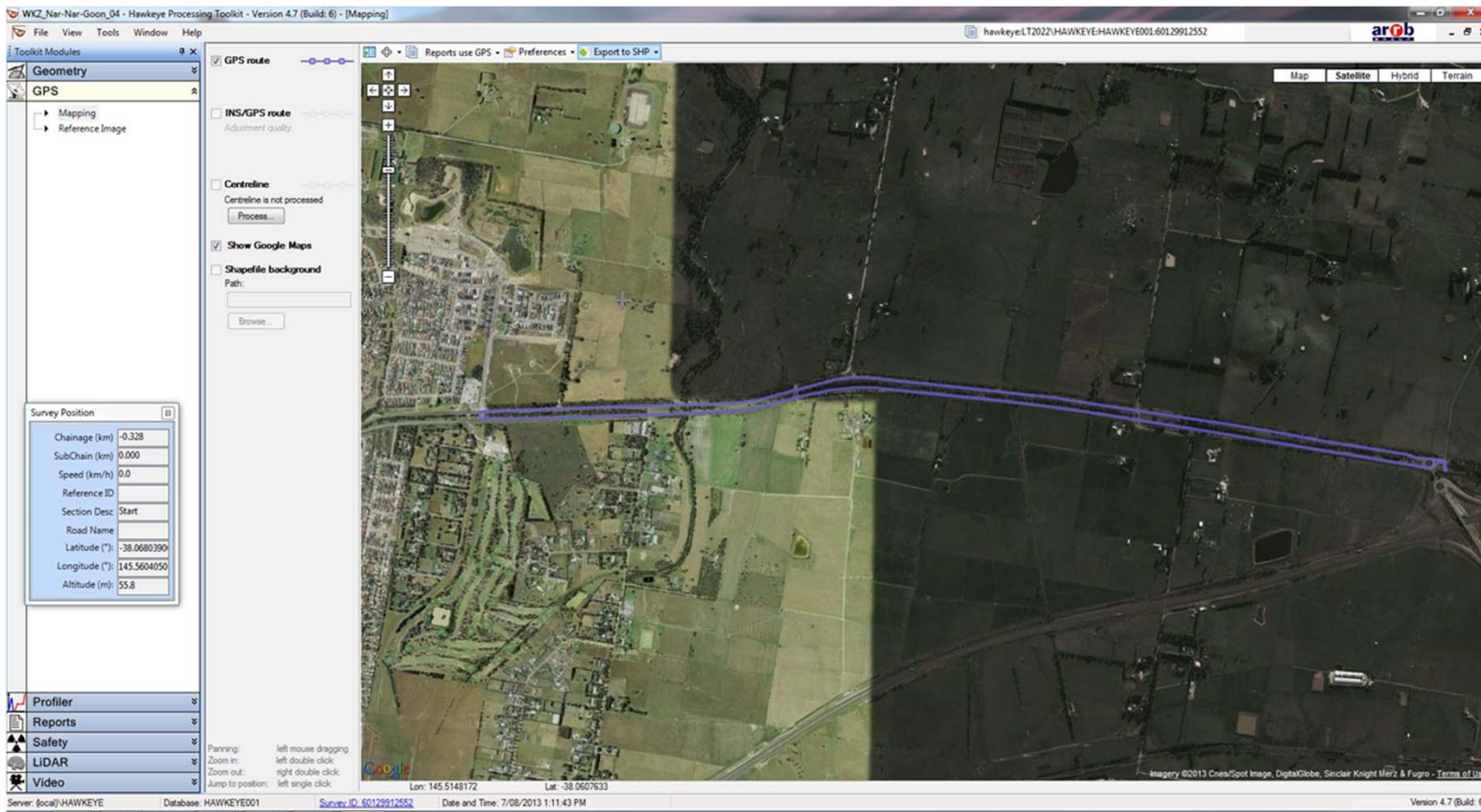


# ‘Seek and you will find’






# Nar Nar Goon validation site



# Nar Nar Goon

A yellow-crowned night heron, a white bird with a prominent yellow crest and a black beak, looking towards the right.

**G'day Roo! Any  
idea what  
Nar Nar Goon  
means?**



**No worries  
mate. That's  
an easy one.**



# Nar nar goon is.....



Bush bear... or  
Koala



# The Goonie Loop



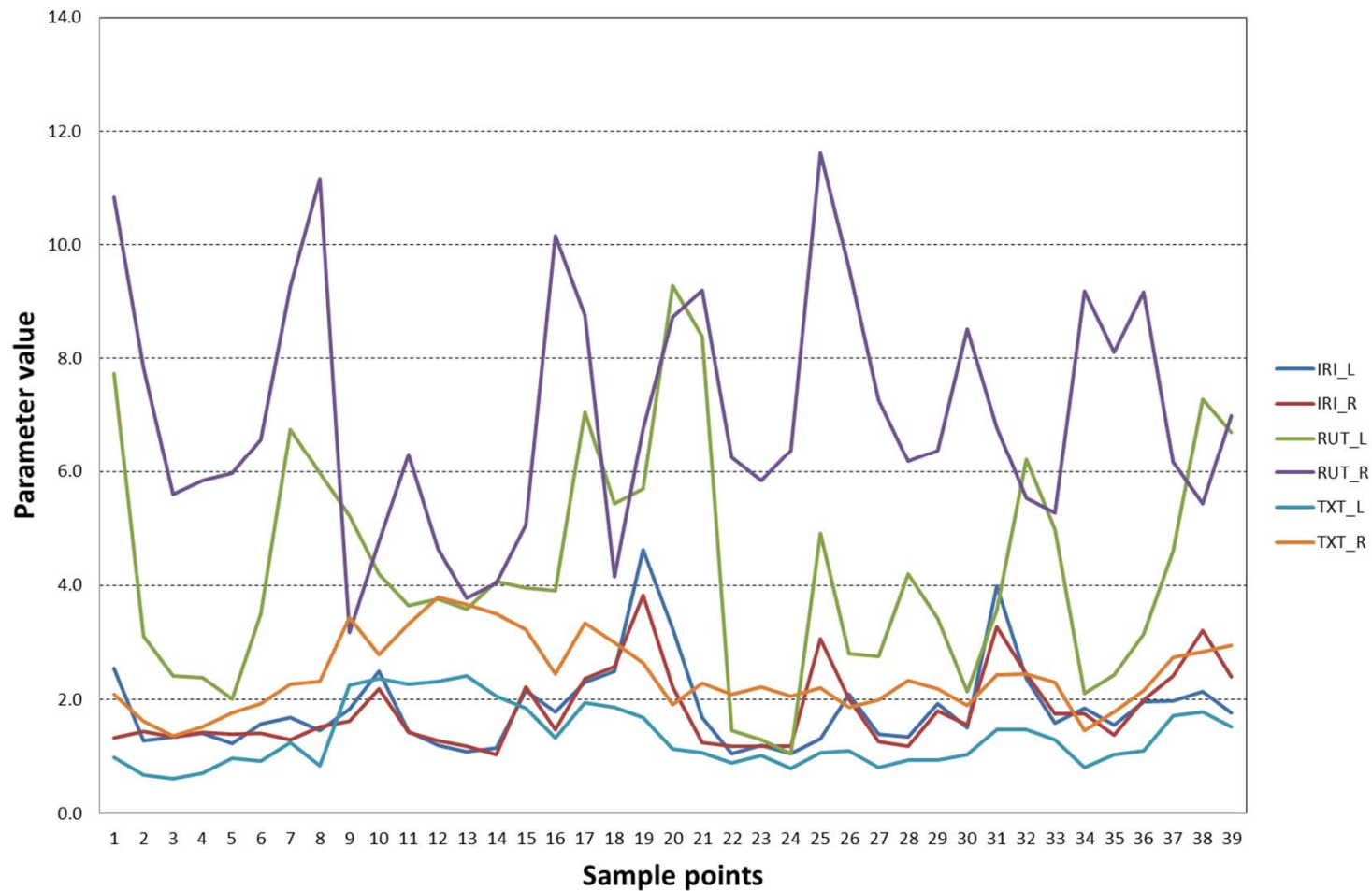


# The hope.....

- One location that met all of the Austroads criteria for roughness, rutting and texture
- Maximum of 5 sites
- Suitable repeatability loop
- Relatively close to home
- Safe (dual lane, low traffic volume)
- Not likely to be rehabilitated (any time soon)



# Site selection





# Marking up the sites





# Roughness

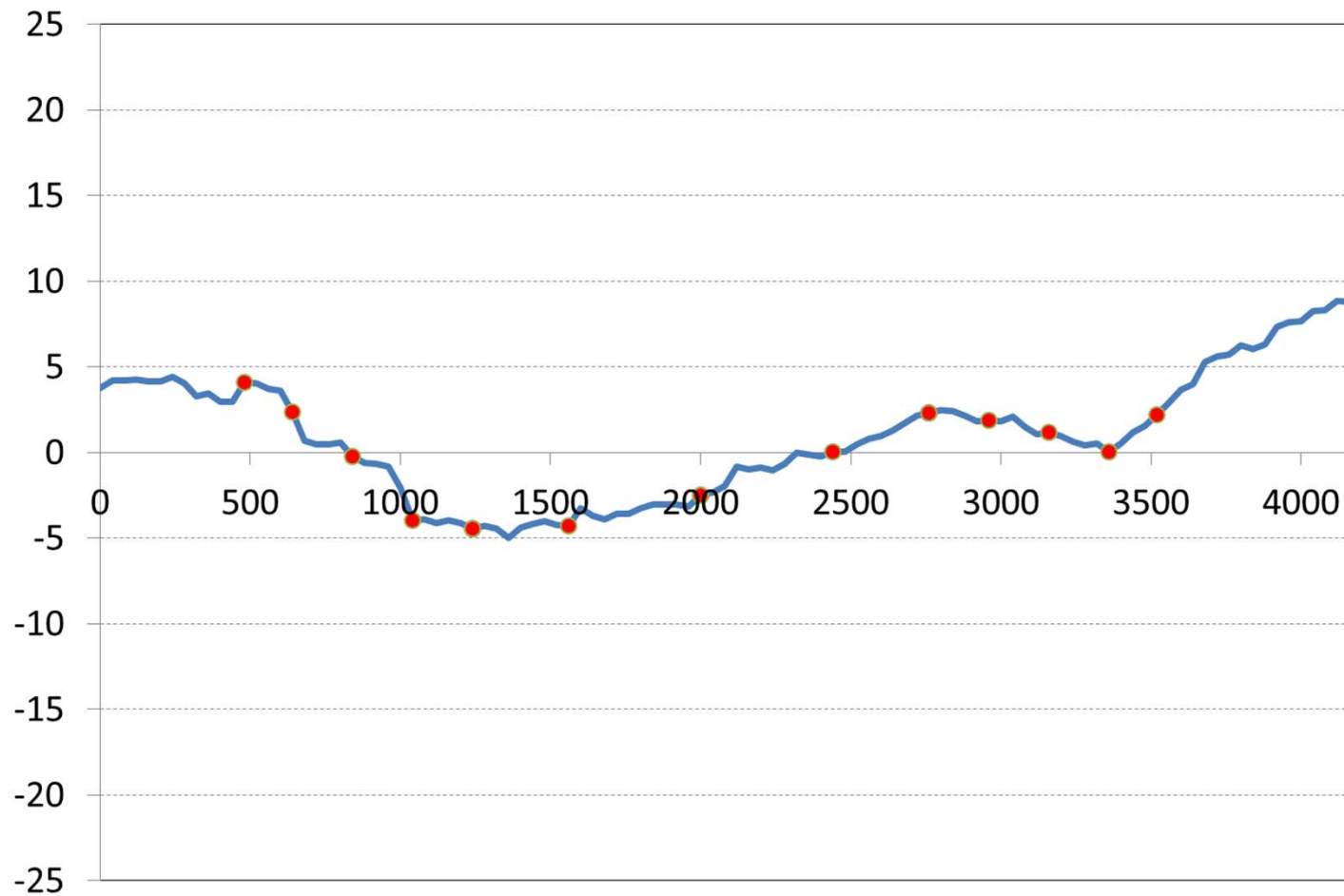




# Rut depth measurement



# Transverse profile





# Rut depth measurement



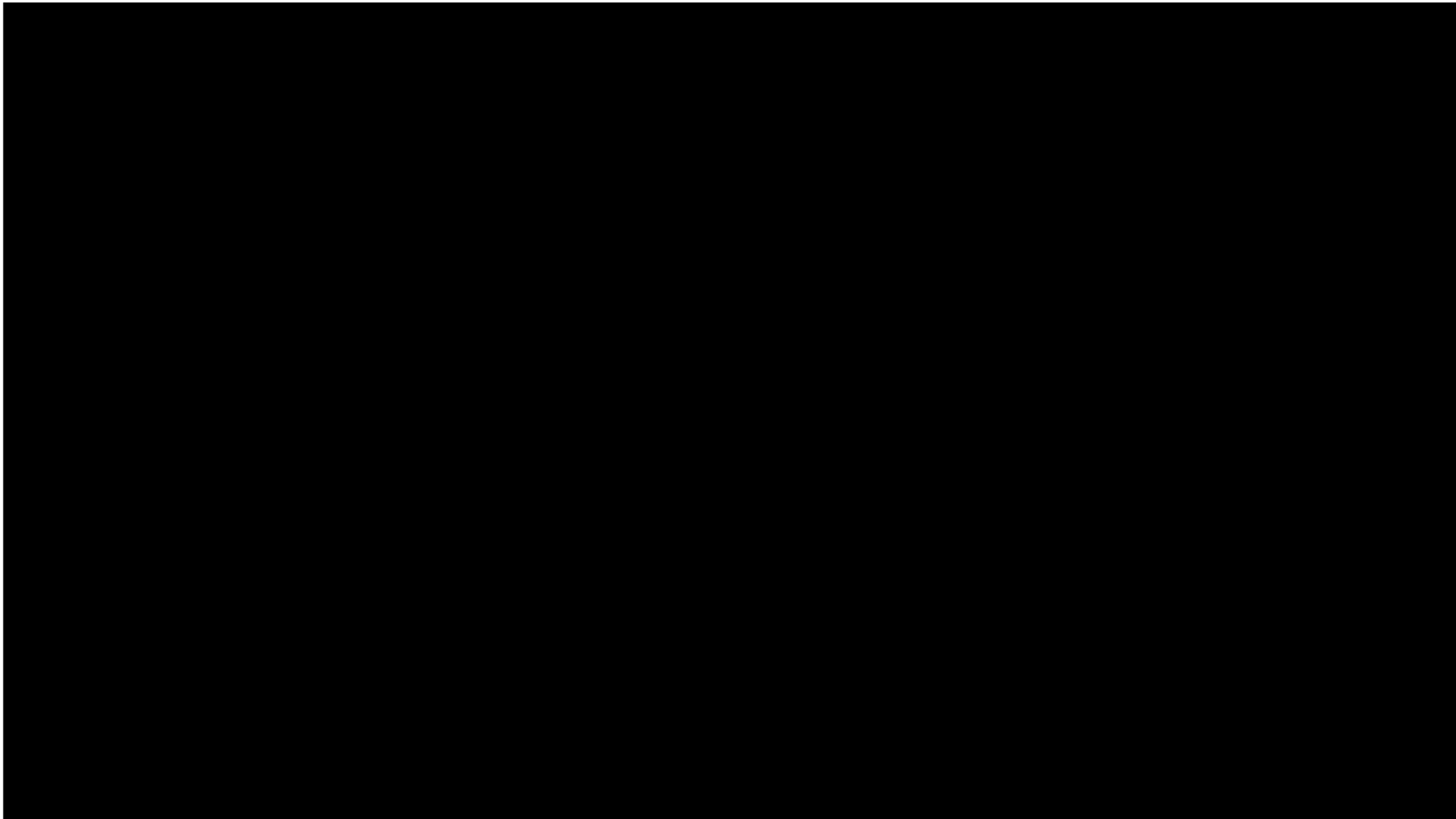


With great power comes.....





# The ROLBOT in action



# Transverse profile

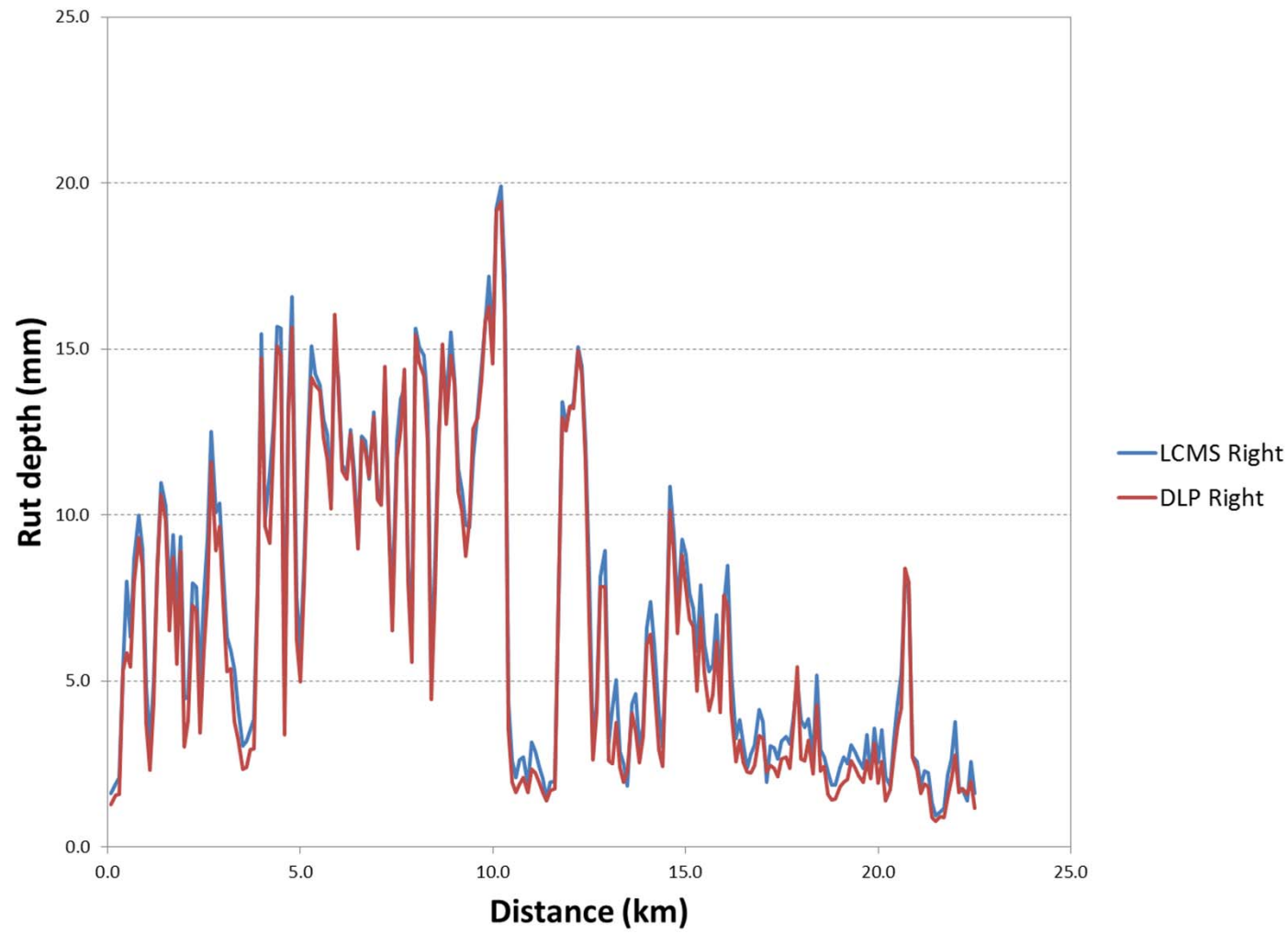




# Transverse profile



# Correlation





# Texture measurement

- 5x 20m sites
- 0.5m spacing
- 3 measurement paths
- One man
- 40 kg of glass beads
- Do the sums

600



# Texture measurement





# Not cheap

- Staff
- Traffic control
- Time
- Annual effort

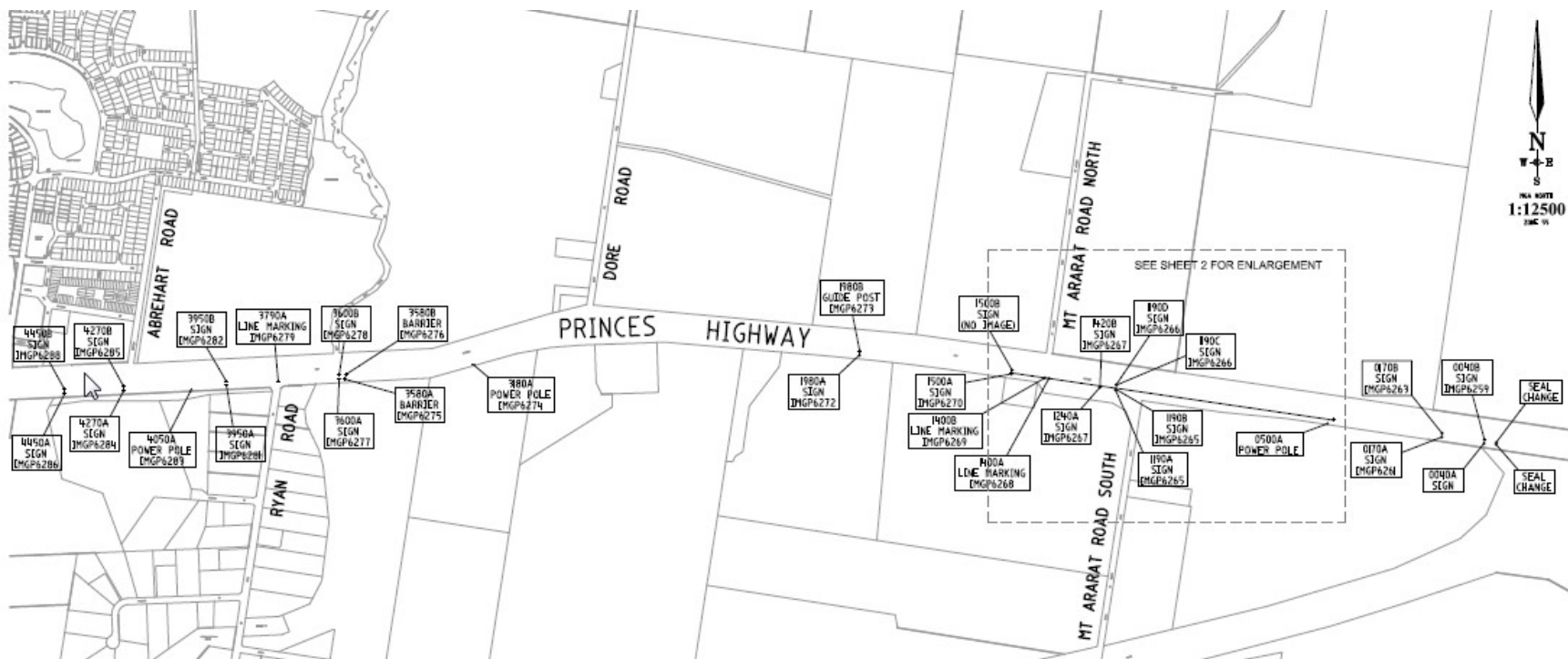


# What now.....





# Geo-referenced objects & distance



# Traffic Speed Deflectometer



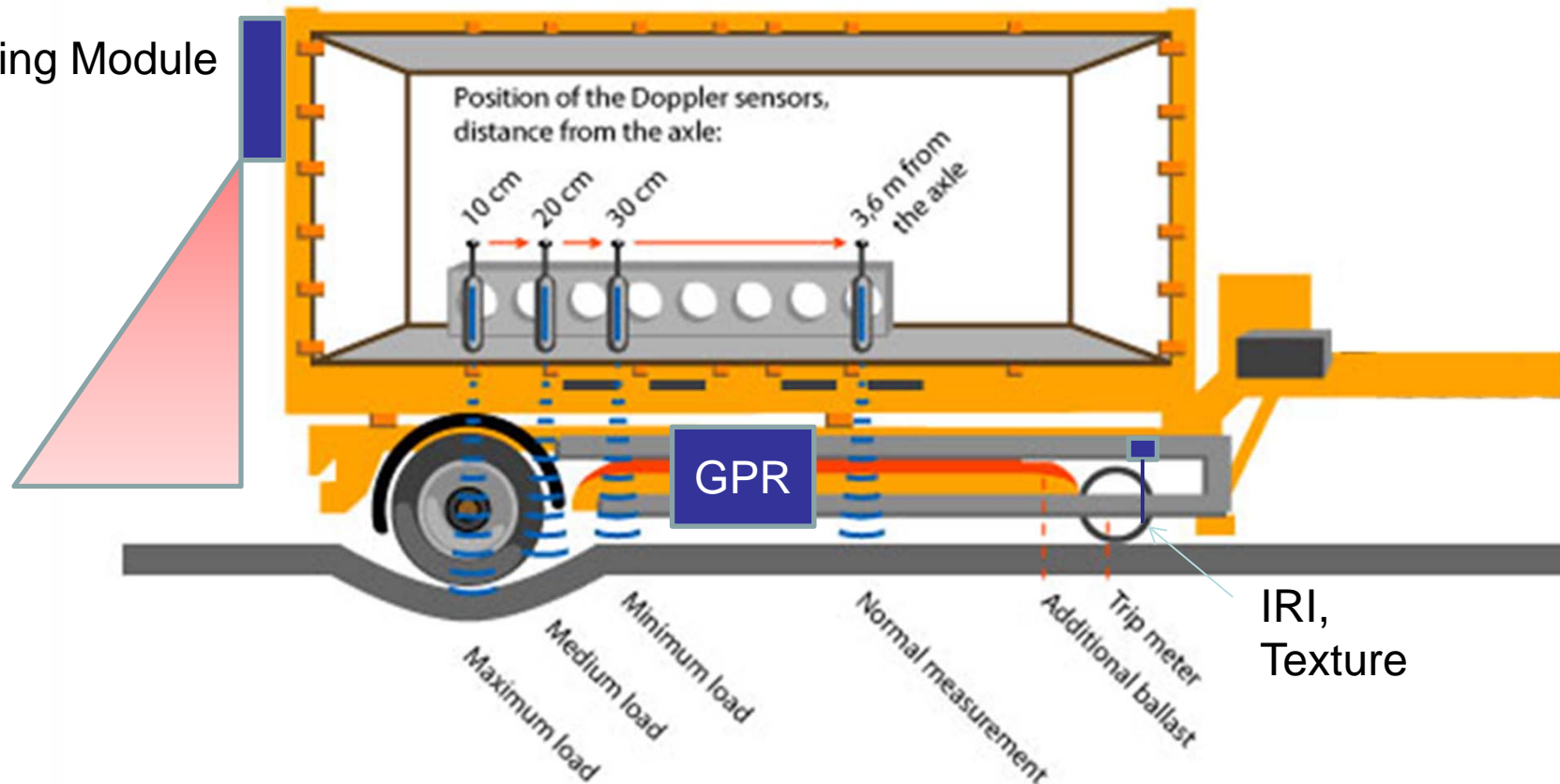


# Build in progress



# Additional measurements

Cracking Module





# Summary

- Validation & repeatability sites are necessary
- Have a limited life span (if not dedicated)
- High cost to set up and maintain
- Sites need to keep up with new developments in technology
- Increasingly harder to find single sites or locations that meet all needs



# Thank you



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