

# ITS in New Zealand

## How are we doing?

Deryk Whyte, President ITS New Zealand

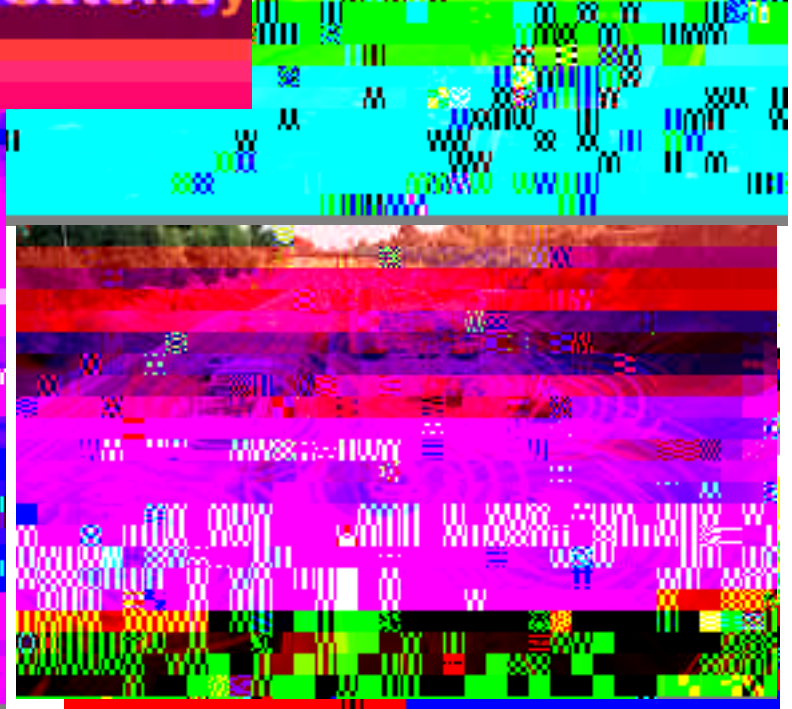
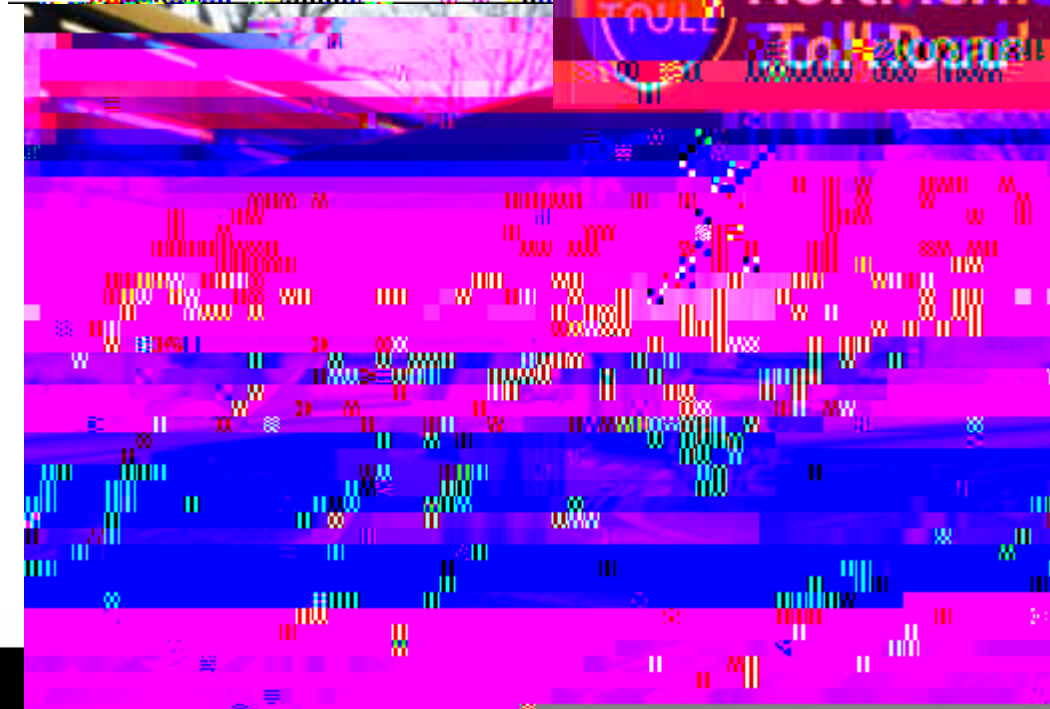
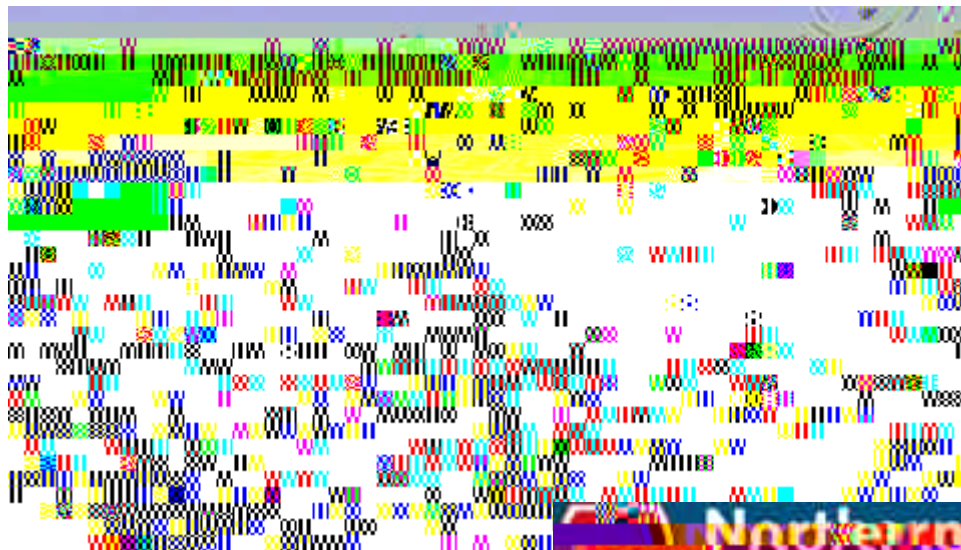




# Intelligent Transport Systems

What are they?





Northern Gateway,  
Tulsa, Oklahoma





# Current ITS Implementation in NZ





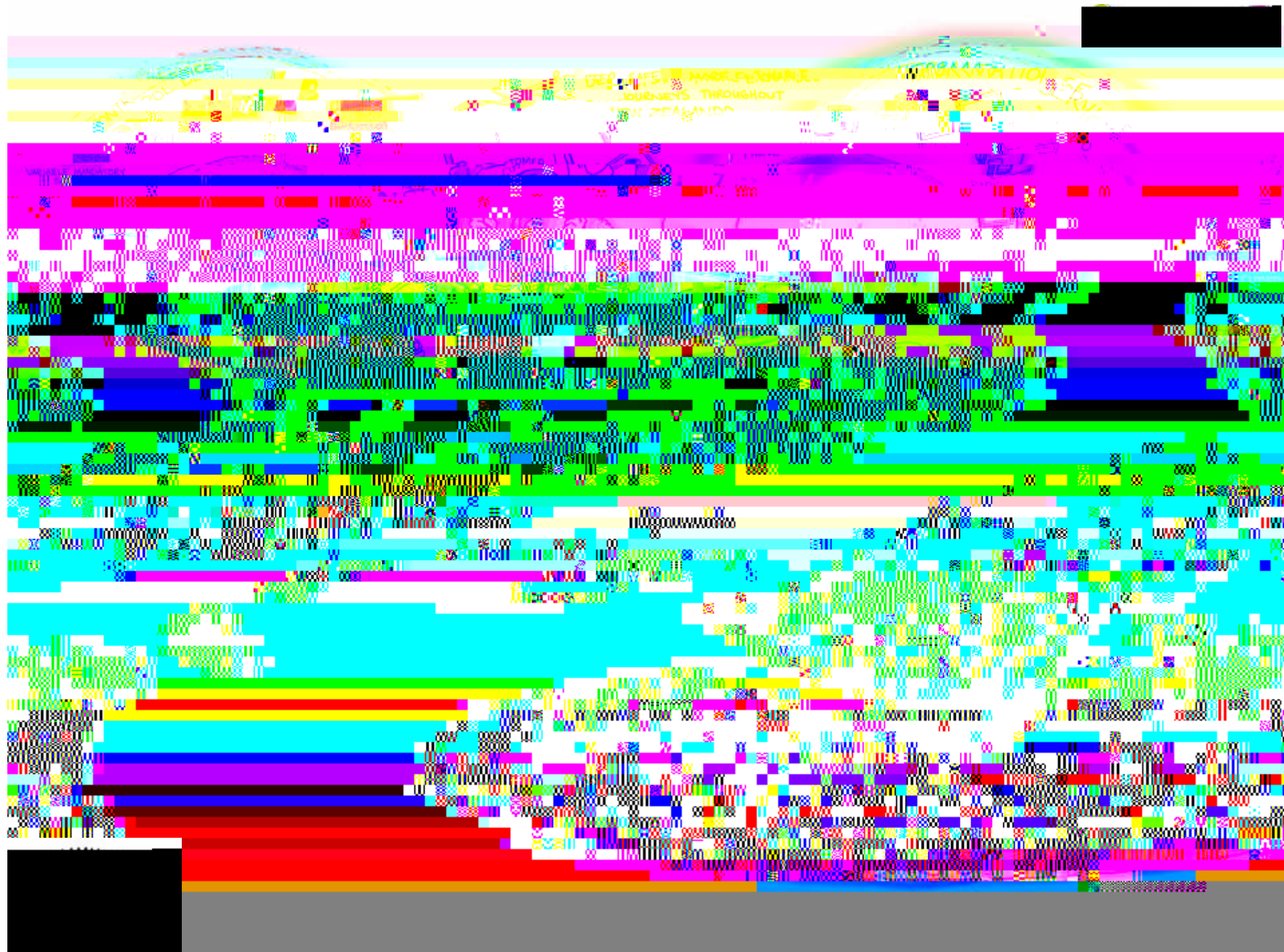










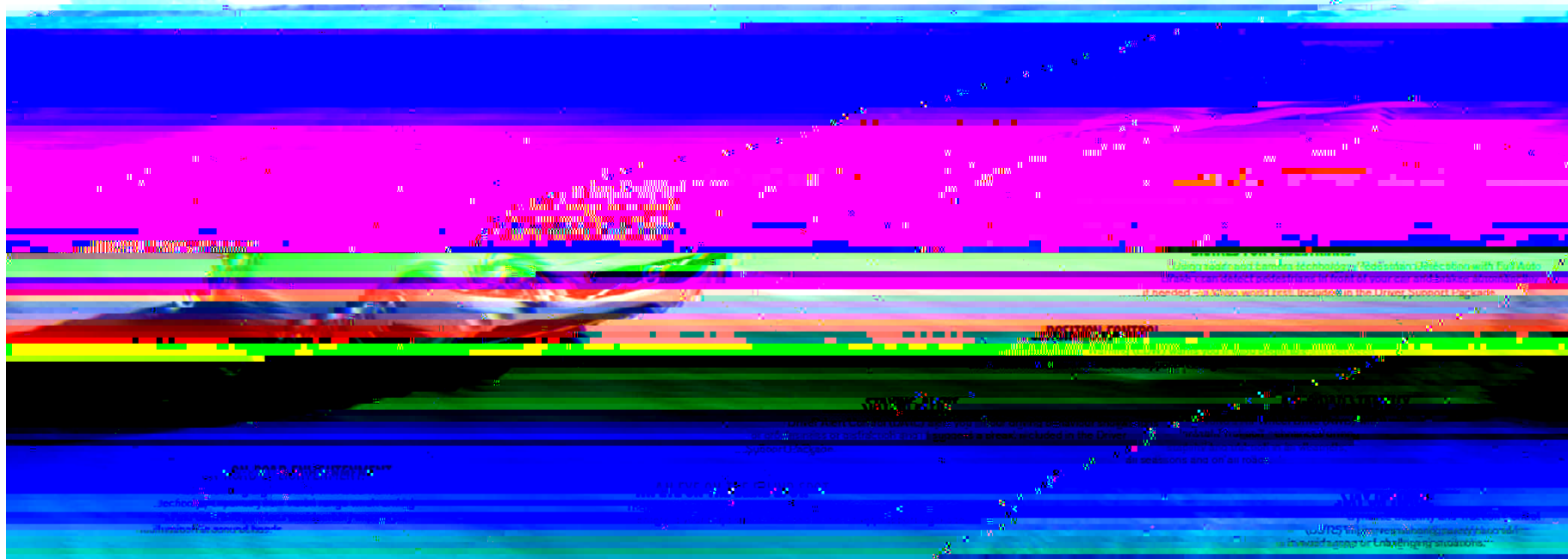
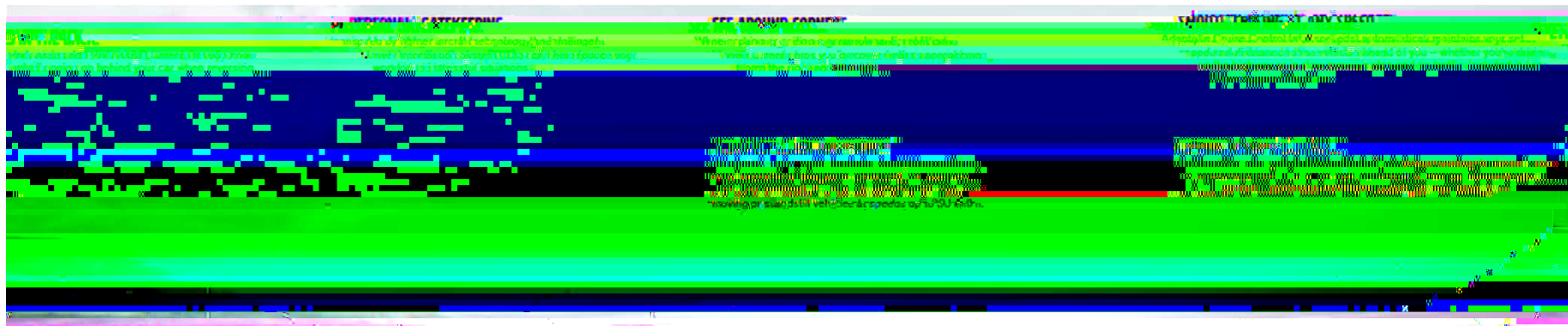


# Future trends in ITS



# Future trends in ITS







# Autonomous Driving

Google's modified Toyota Prius uses an array of sensors to navigate public roads without a human driver. Other components, not shown, include a GPS satellite and an inertial motion sensor.

LIDAR

Scans more than 300 feet in all

directions, 3 times per second

measures distance of objects

360° FOV, 100,000 points

3 mounted on this to

measure distance

movement in real time

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# Future trends in ITS

“The trend towards autonomy will become a juggernaut fuelled by social computing and companies such as Google that see the potential of the dashboard as the next expansion of the



Is New Zealand  
ready?



# Is New Zealand ready?

- 



Is New Zealand ready?



# Is New Zealand ready?

- some immediate challenges are:
  - dynamically managing our state highways and local arterial networks
    - predicting future traffic conditions
    - maximising network capacity between corridors and modes
  - wider availability of real time multi-



# Thank you for listening today

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