“Future-Now”: Transport’s *Carpe Diem* Moment

Dr Graham Fraine
Deputy Director-General
Customer Services, Safety & Regulation
Department of Transport and Main Roads
Diversity and Values

We have a responsibility to ensure our employee pool reflects and serves the diverse nature of the Queensland community.
Transportation in Transition?

From Modes....

To Mobility....
Scanning the Information Superhighway

The Internet in Real-Time
How Quickly Data is Generated

Click here to watch as these internet giants accumulate wealth in real-time.

- Twitter: 308 Accounts Created, 159600 Tweets
- YouTube: 64792 Video Hours Watched
- Google: 129024 Searches, $44856 Ad Revenue
- Facebook: 1461488 Likes, 1539328 Posts, 168 GB of Data
- Amazon: 1428 Items Purchased, $66052 Money Spent
- foursquare: 980 Check-Ins
- Yelp: 14 Reviews
- LinkedIn: 5096 User Searches
- SoundCloud: 648144 Minutes Used
- Pinterest: 6664 Pins
- Tumblr: 12964 Posts
- Instagram: 518532 Likes, 28000 Comments, 19432 Uploaded
- Snapchat: 162036 Stories Viewed, 226856 Messages Sent
- Netflix: 10808 Hours Watched
- Pandora: 28532 Hours Streamed

By the way, in the 28 seconds you’ve been on this page, approximately 632072 GB of data was transferred over the internet.

Driverless Cars and C-ITS: Questions For Government

- Human factors
- Government Role
- Security/Privacy
- Infrastructure
- Community
- Platform/Specs
- Regulation
- Safety
What Time is Now…?

• TMR has commenced work on a business case for a pilot…

• Pilot would
  ▪ Establish new working relationships and role clarity
  ▪ Explore complex needs in a low risk environment
  ▪ Spur innovation and partnerships among early adopters

• Focus
  ▪ Safety (with commensurate efficiency and environmental elements)
  ▪ SEQ Urban
  ▪ V2V, V2I, V2ped/bike
  ▪ Applications, processing hardware, sensing, AVs
‘Vehicleless’ Drivers

- **Drones**: more than just bees…
  - Fastway New Zealand has claimed the world's first drone delivery, transporting car parts on an almost 2km journey
  - TMR is using an unmanned aerial vehicle (UAV) technology to reduce costs and risk to workers

- **3D printers** are already producing musical instruments, smart ovens, and an office building in Dubai

- The *internet of things* has an untapped capacity to provide a stream of data to improve the movement of people and freight
Thank you