Practical Driver Testing

Test Route Development
A Joint Initiative Between NZ Transport Agency & CoreLogic

Jono Haimes
Leading provider of “Must Have” property data, analytics and data-enabled services

CoreLogic New Zealand is the hub of geospatial excellence for the wider, international CoreLogic business

- Revenue: $1.5 billion
- Operations: 8 countries
- Employees: 5,000+
- Data Investment: $100M+ P/A
- Headquarters: Irvine, CA, USA
International Areas of Focus

Offices and Operations
Formal Alliances
Established Relationships
Developing
New Zealand Transport Agency

Government Organisation

Broad Mandate
“Great Journeys to Keep New Zealand Moving”

- Investment in Building and Maintenance of Roads
- Road Safety
- Responsible for Driver Licensing
Driver Licensing in New Zealand

Learners  Restricted  Full
Project Description

Driver Licensing NZTA Responsibility

Contract Awarded to a New Vendor - vtnz

An Opportunity to Reform the Process
Test routes needed to start at VTNZ stations

The Challenge

- 400+ test routes!
- Only 10 TRD
- Approx. 800 days!
Approach

Think Differently

Automate the Process
Reduce the Manual Tasks
Act Differently

Collaborate with CoreLogic
Give it a go
Start Simple

How we shifted gear

A joint project between NZTA & CoreLogic.
A unique problem - Did we have the right tools for the job?

Utilising Esri’s Network Analyst and leveraging the power of our national road centreline dataset.

But these alone wouldn’t be enough to perform the task.

A need to develop our own tools.
We started by looking at what the New Zealand Transport Agency could provide us.

- Testing station locations throughout the country.
- Comprehensive test route development guides.

**The Start Line**
The solution had to enable the Transport Agency to generate test routes throughout New Zealand.

End Result would be delivered in two parts:
- Assessment Tasks
- Test Routes

Evaluation of our national road centreline dataset.
- Geocoded the list of testing stations.
- Combined this with our road network.

Navigating the problem
Our theory checked out but how would we go in the practical?
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<th>Stage 1 Link</th>
<th>Stage 1 Speed</th>
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Under The Hood
Creating a Test Route
Highway U-Turn

Legal but not logical
The Finish Line!
Test Routes in ArcGIS Online
• Estimated savings of 400 days of test route development
• $200,000 saving
• Digital record with interactive map
• Re-usable tool
• XML files with directions output
• More intelligent process
• Tested and checked by TRD
Thank you