The Safe System

Introduction
Mega Maps for Safer Journeys

Guiding speed management and speed limit reviews across New Zealand.

Steve Ford
11.30am Wednesday
Epsom 3

There will be chocolate fish!
National Speed Limit Register

Peter Willoughby & Sam McIntosh
Introduction

• NSLR overview
• Data migration stages
• Data migration progress
• NSLR application
• What’s next
• Conclusion
NSLR overview

- The Land Transport Rule, Setting of Speed Limits 2017
- NSLR
  - modern
  - technology enabled
  - central repository
  - publicly available
- Database
- Application
Migrating the data

68 Road Controlling Authorities (RCAs)
- each responsible for managing their own data

Data migration progressed in three stages:
1) state highways
2) first 4 RCAs
3) remaining RCAs
   - to be migrated over the next 18 months

RCA data provided in a range of formats:
   e.g. PDFs, exts descriptions, CAD, Shapefiles

NZ state highways
First 4 RCAs: Christchurch, Selwyn, Hauraki, Taupo
Data migration process

Original RCA data

"Single source of truth" excel sheet

Extracting road geometries with ArcMap

Assigning attribution with FME Workbench

Loading migrated roads into application database

Migrating:

Into:
Enter Speed Limits
IQ1 - Hamilton City

Add another speed limit

Fill in the form below and select an area on the map to complete a speed limit.

All fields are required unless otherwise stated.

Speed category:

Speed limit:

Effective legal date: (optional)

Step 3
What’s next?

- Application development and deployment
- Data migration
- Future work
Thanks and questions