Safer Journeys Risk Assessment Tool (Mega Maps)





Should the speed limit on Rotorua's urban roads drop to 40km/h? NZTA thinks so

Wednesday, 12 June 2019

More speed cameras, bigger fines could be down road

7 Jun, 2019 11:31am

① 6 minutes to rea

Speed limits 'unsafe' on nearly all NZ roads, says NZ Transport Agency's Mega Maps planning guide

Thursday, 6 June 2019

NEW ZEALAND

Speed limits too high on most roads, NZTA estimates

100kmh limit too high for most roads in South: NZTA



Speed Management Framework

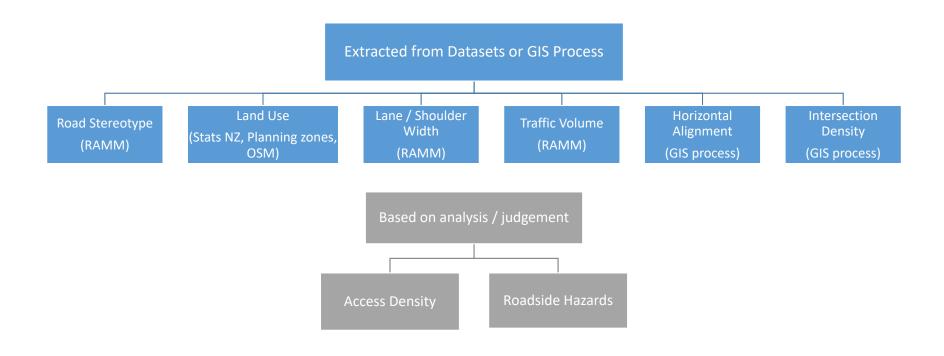
Table 2.2 Proposed Safe and Appropriate Speeds classification method - Rural Roads (incl rural towns)

Function / Feature	Road Safety Metric	Infrastructure Risk Rating	Safe and Appropriate Speed (km/h)
ONRC is Class 1 Median Divided and at least 2 lanes in each direction No direct property access Grade separated intersections	 Personal Risk ≤ Low- Medium; Collective Risk ≤ Medium-High; 	• 'Low'	• 1107
ONRC is Class 1 - 3 Sealed road	 Personal Risk ≤ Medium; Collective Risk ≤ Medium-High; 	'Low' or 'Low- Medium'	• 100
Any ONRC	 Personal Risk ≤ Medium- High; 	'Low' to 'Medium'	• 80
Any ONRC Not in a rural town ² Sealed road	No road safety metric used in the assessment	'Low' to 'High'	• <80
Any ONRC Not in a rural town ² Unsealed road	No road safety metric used in the assessment	'Low' to 'High'	• <80
ONRC is Class 1 - 2 Rural town ²	Personal Risk ≤ Low- Medium Collective Risk ≤ Medium-High	'Low' or 'Low- Medium'	• 80

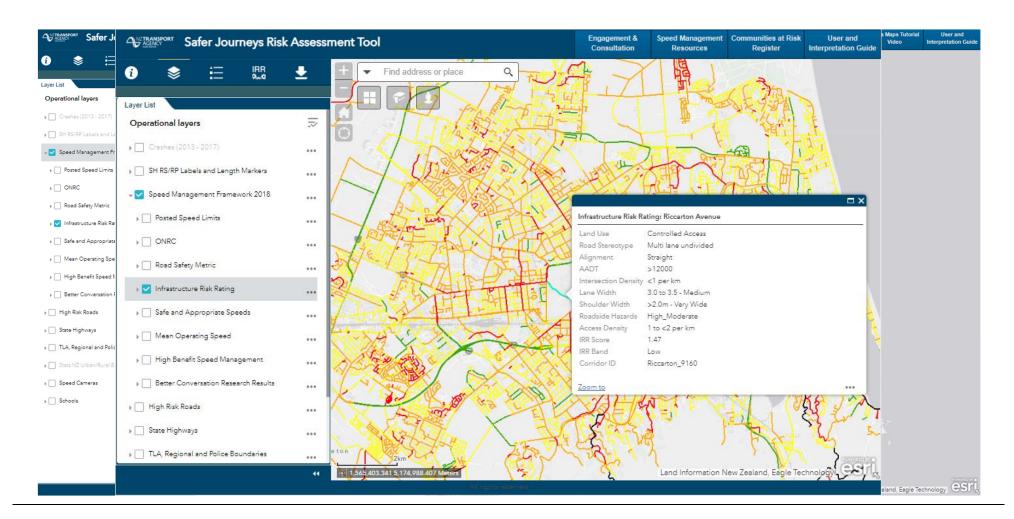
- Road stereotype
- Horizontal alignment
- · Lane and shoulder width
- Land use
- Traffic volume
- Roadside hazards
- Access density; and
- Intersection density



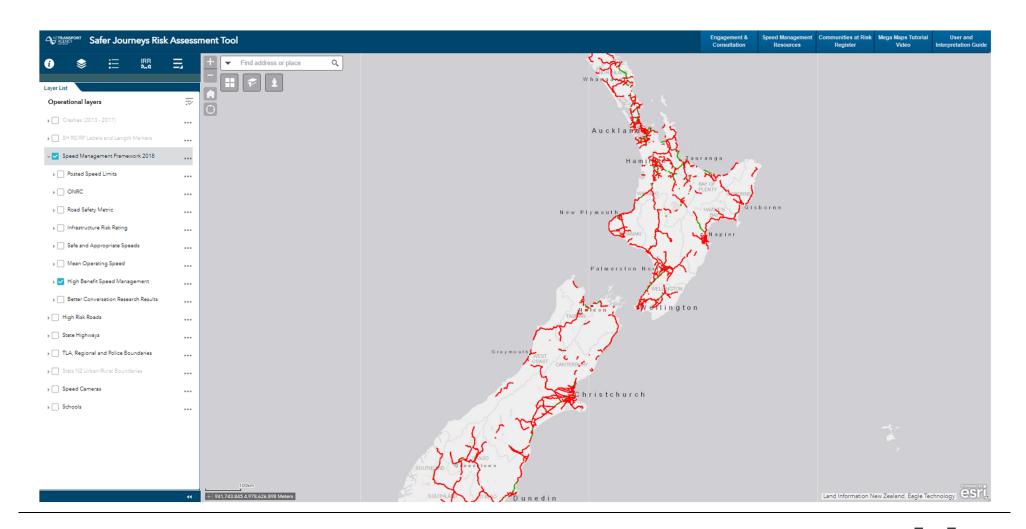
Streamlined IRR using Existing Datasets



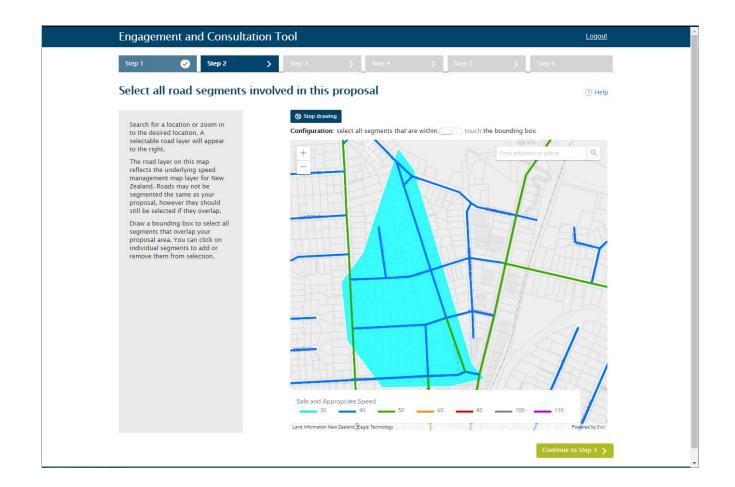




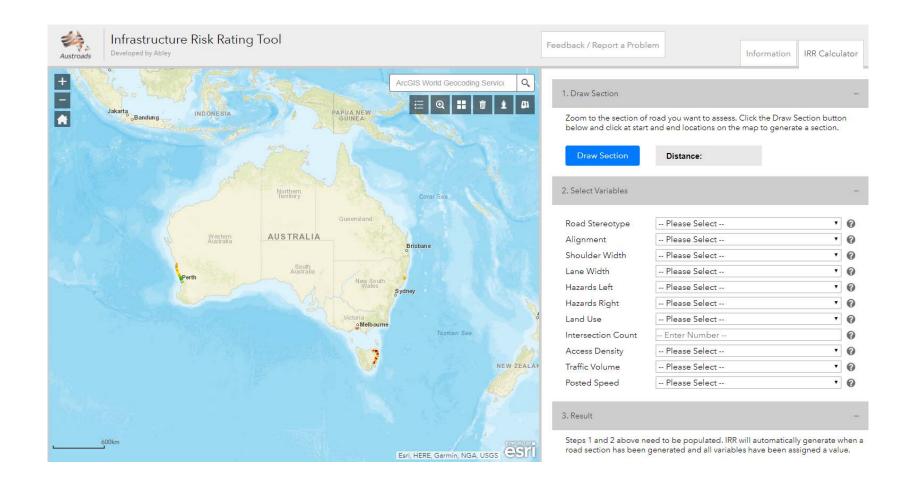














Implementing speed management treatments on the highest raking 10% of roads (~10,000 km) is expected to prevent more than 245 people from being killed or seriously injured <u>annually</u>

"Mega Maps was already an excellent tool for quickly visualising our network hierarchy and high-level network assessment data... Mega Maps gives Council the ability to review and communicate the details of complex data analysis and Safe and Appropriate Speed outputs instantly. Recommendations then being taken forward into the Speed Limit Reviews can be seen at an individual road, township or District level with a few clicks." (Andy Bartlett, Asset Engineer, Central Otago District Council)



Road safety innovation:

- development of new and innovative risk assessment technique, resulting in the assessment of over 95,000 km of public road
- first one-stop platform to provide RCAs access to key road risk layers
- transforms and standardises the speed limit consultation and engagement process
- led to the adoption of IRR as an Australasian benchmark for road risk assessment for speed management

