New Zealand Cycling LOS

The trend away from roads and towards alternative modes of transport

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Cycling is part of the transport system
When the network feels safe, people ride

75% of New Zealanders living in urban areas say they would cycle if there were better networks

Source: Research NZ, 2016
NZ is developing some world class and fun cycle networks
Cycling a Key focus for Government GPS on Transport

Strategic Priorities

- Safety
- Access
- Environment
- Value for money

Strategic direction

- is a safe system, death, and serious injuries
- delivers the infrastructure services to a level at the time of key strategic priorities
- reduces adverse effects on the climate, local environment, and public health
- provides increased access to economic and social opportunities, enables transport choice, and is resilient
• Govt. $1Billion investment in cycling
• AT $600M
• TCC $100M
• FAR 75% to 100%
• Connected NZ Tourist network
• Model Communities
The Question is where to invest? What is good and what is bad Infrastructure? What is value for money?

$2,500/km

$2,500,000/km (1,000 x more expensive)
Views of all Cyclists
Opus Built an instrumented bicycle to gather realistic live data in 2015
2017 WSP I Opus were commissioned to develop a New Zealand Cycle LOS framework to answer this question?

How we approached this:

- **Steering Group**: form a committee and have meetings
- **Literature review of existing LOS systems**
- **Selected 6 routes two Auckland, two Wellington two Christchurch to cover a variety of facilities**
- **Had volunteer riders ride these routes with our Opus Instrumented bicycle to compare behavioural facility rating with quantitative rating in NZ live traffic environments**
- **Undertook over 11,000 on-line surveys of facility ratings using live video of various facilities**
- **Assessed results**
- **Developed a New Zealand electronic web based tool to evaluate NZ Cycle LOS A to F**
NZ Results

Figure 5.1: Distribution of overall perception ratings by gender for real-time rides

Figure 5.3: Distribution of overall perception ratings by age group for real-time rides
Results

Shared pathway real-time ratings

Figure 5-11: Distribution of ratings for shared pathways from real-time rides
Results

Mean real-time ratings for Wellington waterfront segments

- Overall perception
- Attractiveness
- Surface quality
- Available space
- Other users

- Chaffers Bridge
- Frank Kitts Lagoon Bridge
- Marina Section
- Te Papa Section
Results

Figure 5-13: Distribution of ratings for separated cycle lanes from real-time ratings
Results

![Bar chart showing the distribution of ratings for painted cycle lanes from real-time rides.](image-url)

*Figure 5.20: Distribution of ratings for painted cycle lanes from real-time rides.*
Figure 7.2: Influence of rain on cyclist’s willingness to ride by trip purpose.
Outcome is a new Acronym

NZ CLOSA

Automated LOS Mid-block rating tool NZ users assessed
Biking to the Future together

THANK YOU