

Aim

To make shared paths safe, enjoyable and effective to all people using or wanting to use them by encouraging positive sharing behaviours

Objective

To identify markings for key sharing behaviours for further testing in a comprehensive on-path behavioural study



KEY BEHAVIOURS

- 1 Give others space
- 2 Slow down
- 3 Keep Left
- 4 Communicate with other path users (i.e. Use your bell)
- 5 Move off path when stopped
- 6 Keep dogs on short leash



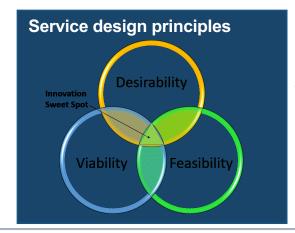
Process & Timeline

Stakeholder needs

- Intuitive so that behaviours are natural
- Provide the right level of service so additional work is not required
- Are not the only tool, but part of system
- Are different from marketing/activations, applied in different ways
- Can be placed where required or where things change, the overall behaviour norms being set by other mechanisms

Cognitive Ergonomic principles

- Familiarity
- Simplicity
- Meaningfulness
- Concreteness
- Semantic closeness



Ideation Session
11 Nov 2019

Initial Survey 25 Nov 2019

Preliminary On-path Trial 11-12 Dec 2019

> Focus Group 18 Dec 2019

Follow-up Survey 03 Feb 2020

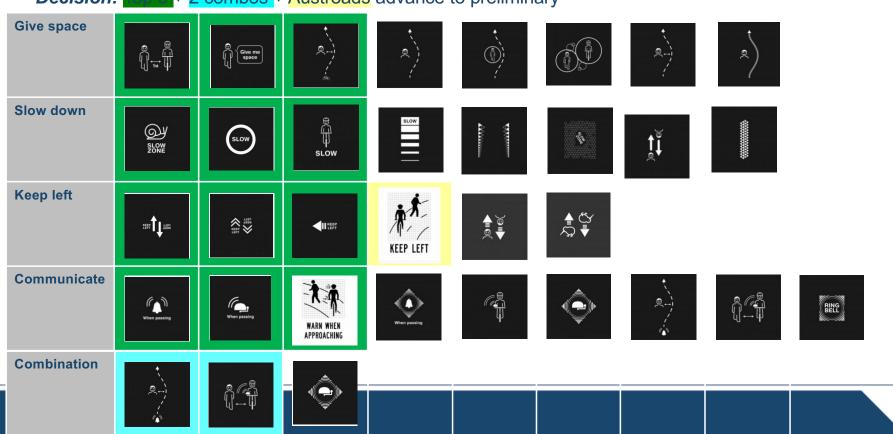
Comprehensive On-path Testing 11 Nov 2019



Initial Survey

Ranking survey using Waka Kotahi panel – 286 responses

• Decision: Top 3 + 2 combos + Austroads advance to preliminary



New Zealand Government

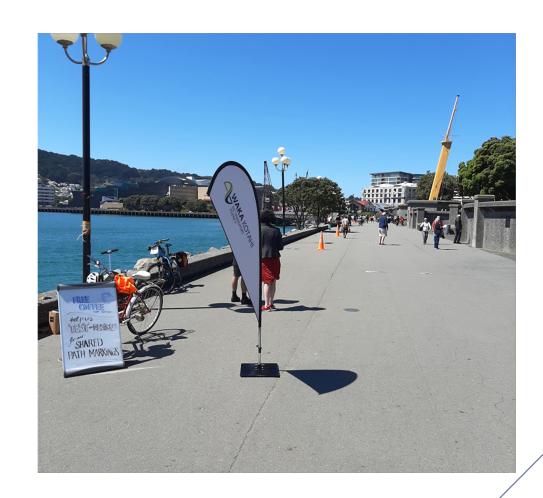
On-path Trial

Lo-fi emulation of real life conditions

- On actual shared path Wellington Waterfront
- Only look once as passing
- Various modes cyclists, pedestrians, scooter riders, skaters

Questions

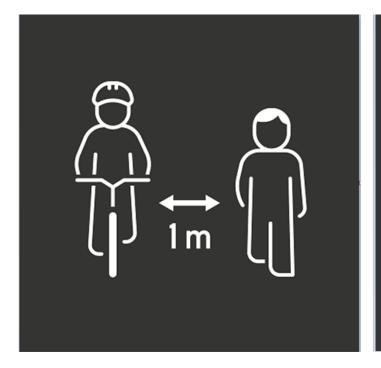
- Without knowing meaning: "What behaviour is the marking asking you to do?"
- Knowing meaning: "Out of 10, how well does the marking convey this meaning?"
- Comments



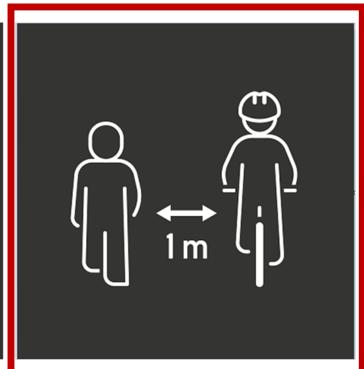


Give Space	Rating	Go Slow	Rating	Keep Left	Rating	Ring Bell	Rating
	8.84	SLOW ZONE	8.74	KEEP THE JEST	9.21	When passing	8.42
Give me space	7.35	SLOW	8.11	✓ III KEEP LEFT	7.86	When passing	6.57
\$ → 1	7.26	© (i) sLow	7.57	CEPT ₩	7.40	WARN WHEN APPROACHING	5.42
				KEEP LEFT	5.68		n

Follow-up Survey – Give Space









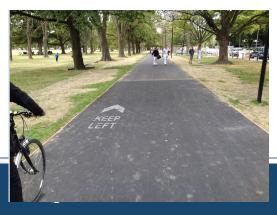
Follow-up Survey – Keep Left

















Selected Designs





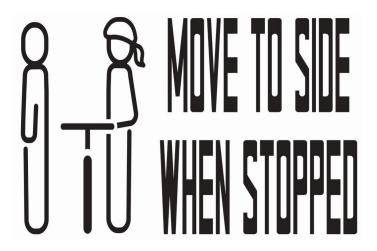






Additional markings







On-road Testing (Mackie Consulting + ViaStrada)

Slow & Keep Left

- KEEP LEFT
- Improved lane keeping
- SLOW
- No or subtle changes in speed
- Highlights importance of hierarchy of solutions

 where speed is a key risk need to look to infrastructure design rather than rely on markings













