

Te Ara Mua – Future Streets

Engaging communities
and challenging policy

Health in All Policies Conference
1 May 2015

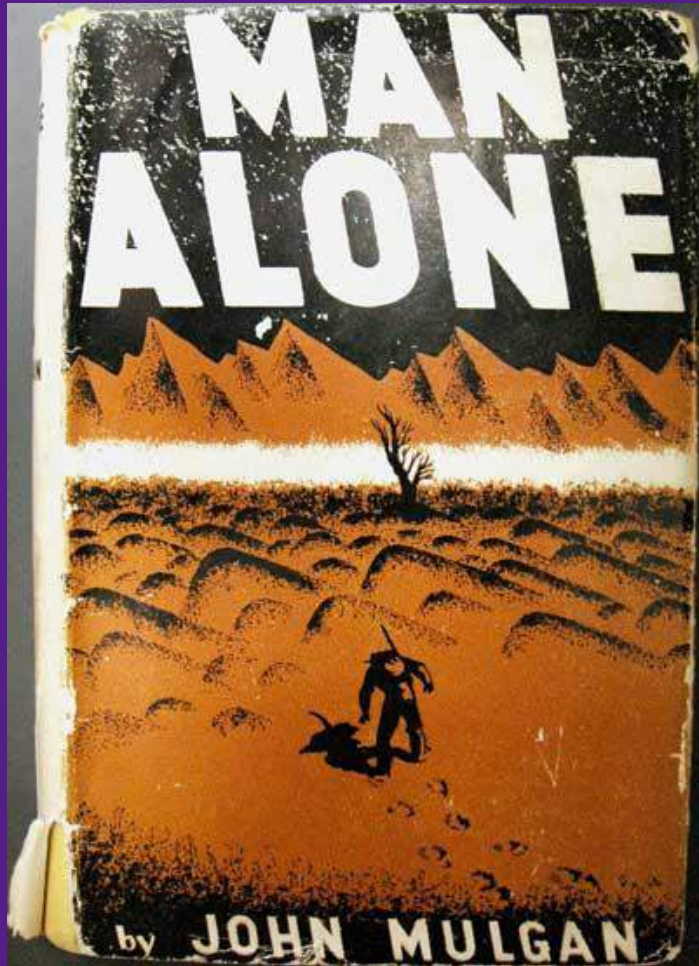
Adrian Field¹ and Alexandra Macmillan²
Dovetail University of Otago

Co-authors: Jamie Hosking³; Hamish Mackie⁴, Peter Baas⁵, Rau Hoskins⁶, Melody Oliver⁷, Tuiloma Lina Samu⁸, Joanna Stewart³, Karen Witten⁸, Alistair Woodward³

¹Dovetail Consulting, Auckland; ²Department of Preventive and Social Medicine, University of Otago, Dunedin; ³School of Population Health, University of Auckland; ⁴Mackie Research and Consulting, Auckland; ⁵Transport Engineering Research Limited, Auckland; ⁶designTRIBE Architects, Auckland; ⁷Human Potential Centre, AUT University, Auckland; ⁸Shore & Whariki Research Centre, Massey University, Auckland



An urban nation



The perception...



...vs the modern reality

The new public health and cities



- Increased mobility options of private car across significant distances
- Eroding ability to live actively in local environment
- Social dislocation
- Air pollutants
- Safety



Street design and public health



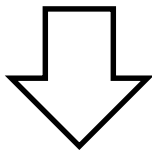
Self-explaining roads, Pt England



Local roads



Before

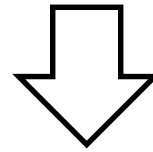


After

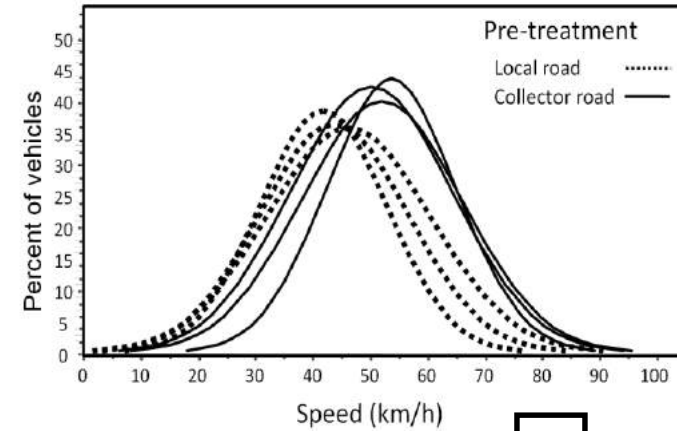
Collector roads



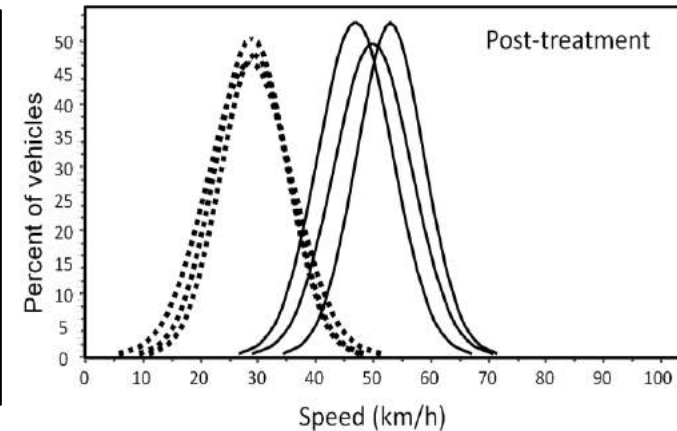
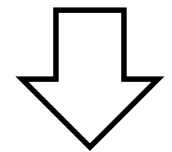
Before



After



Before



After

Future Streets



Research aims:

- 1. Measure and describe the integrated road safety, health, environmental and social outcomes that can result from improvements to existing urban streets**
- 2. Demonstrate a process for community participatory design and implementation**
- 3. Demonstrate the use of the Safe System approach in existing urban environments**

Future Streets Partners



Ministry of Business,
Innovation & Employment



The People of
Mangere





**Making streets around Māngere
Central *safer* and easier to travel
around, especially by walking and
cycling; and reflecting local identity**

Research methods



FUTURE STREETS
Te Ara Mua : Auaia Mo Teiao : Eononga Kihe Kaha'u

Future Streets is about making your streets around Mangere Central safer and easier to travel around, especially by walking and cycling.

We will be surveying Mangere residents to understand how you get around.

For more information and to talk to us:
www.futurestreets.org.nz
www.facebook.com/FutureStreetsTeAraMua

Heathy supported by Auckland Transport

The poster features the Future Streets logo at the top, followed by the organization's name in both English and Māori. Below this, there are two circular images: one showing two women walking on a sidewalk, and another showing two people cycling on a path. The text is arranged in a clear, readable layout, providing information about the survey and contact details.

Participatory research



Community members

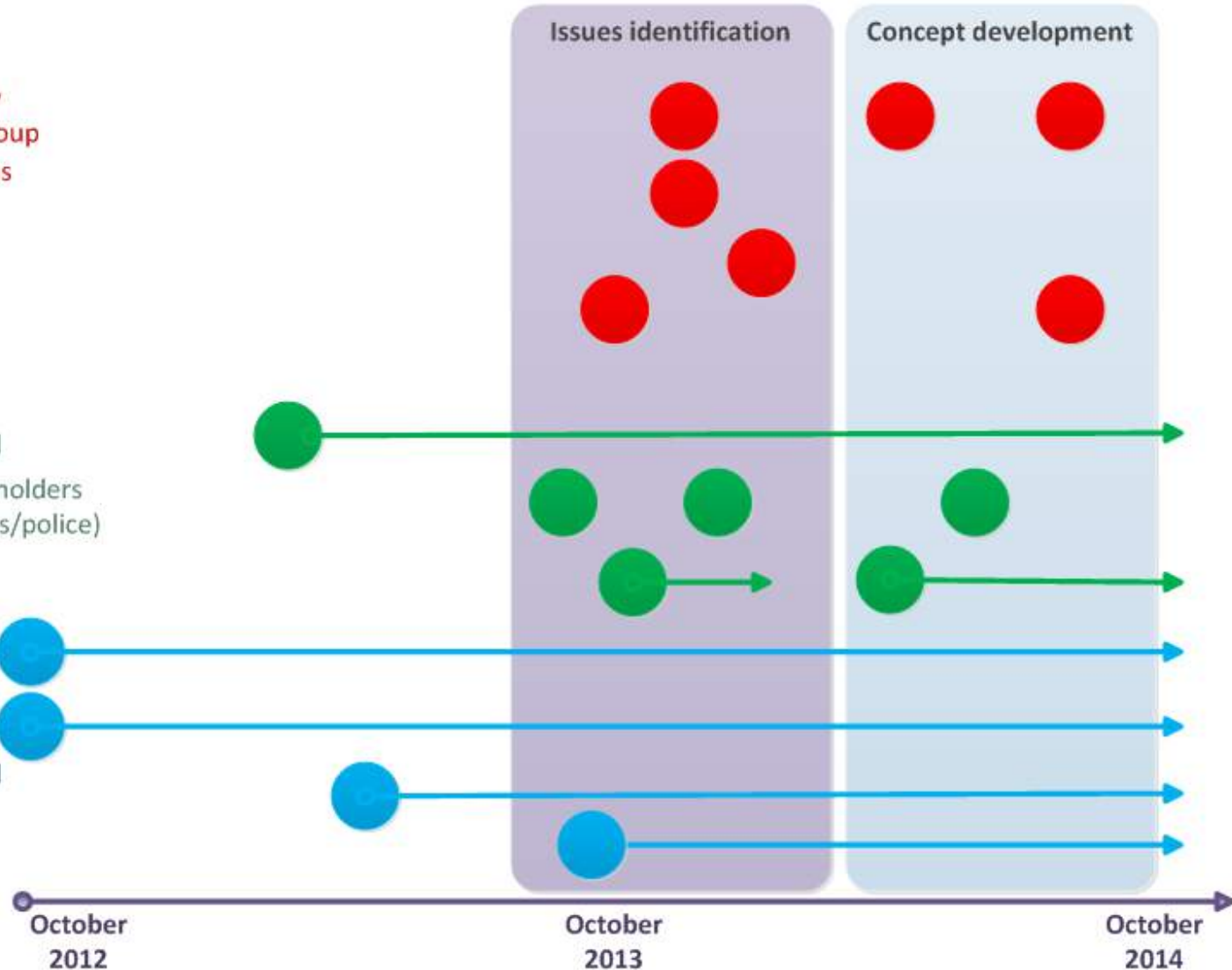
- Community advisory group
- School focus groups
- Go-alongs
- Mall stalls

Community leadership

- Local Board
- Local stakeholders (e.g. schools/police)
- Iwi/Marae

Funders

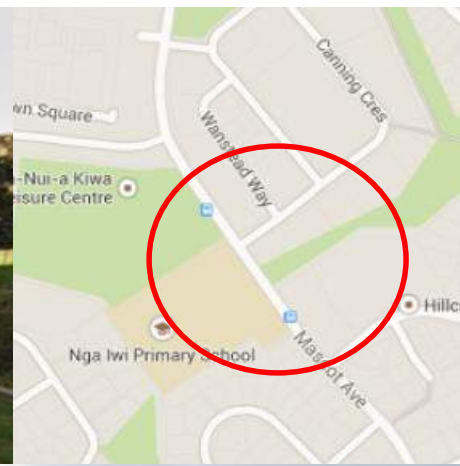
- MBIE
- AT
- Local Board
- NZTA



Participatory design







Transforming streets and other key routes

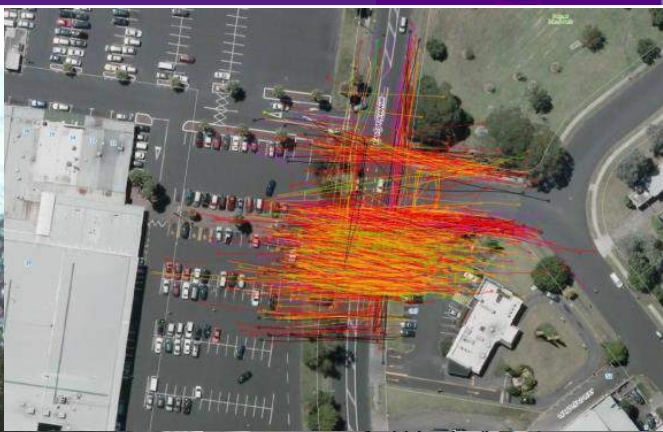


Street hierarchies

| LEGEND | |
|--------------------------|--|
| ARTERIAL ROUTE | |
| COLLECTOR ROUTE | |
| LOCAL ROUTE | |
| EUJ-DE-SAC ROUTE | |
| RECREATIONAL ROUTE | |
| KEY CYCLING | |
| KEY WALKING | |
| ARTERIAL TREATMENT | |
| COLLECTOR TREATMENT | |
| LOCAL TREATMENT | |
| SPECIAL TREATMENT | |
| WALKING ROUTES TREATMENT | |



Pedestrian priority



Improved crossings and better separation

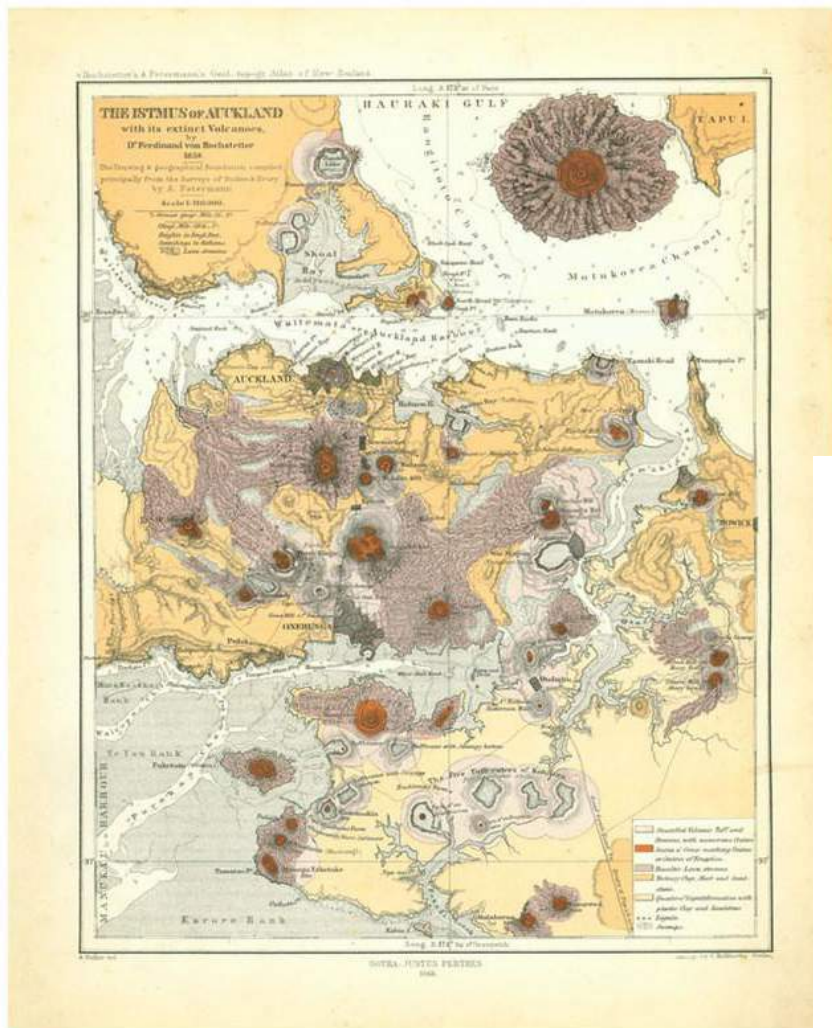


| REV | DESCRIPTION | CHECKED | APPROVED | DATE | SCALE | USER (ID) | NAME | DATE |
|-----|--------------------|---------|----------|----------|-------|-----------|------|------|
| 1 | ISSUE FOR APPROVAL | | | 23/10/14 | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| | |
|---------|--------------------------------------|
| PROJECT | MANGERE FUTURE STREET BADER DRIVE |
| TITLE | BADER/ORLY ROUNDABOUT OPTION 2 |

| | |
|--------------|--------------------|
| STATUS STAMP | PRELIMINARY DESIGN |
| DATE DRAWN | 23 OCTOBER 2014 |
| PROJECT NO. | 4405002 |
| DWG NO. | SC21-A |
| REV. | A |

Mana whenua narratives



Tree species



Titoki



Niaku Palm



Cabbage Tree



Kowhai

Indigenous shrub



Flax



Small Swamp Sedge



Kioio

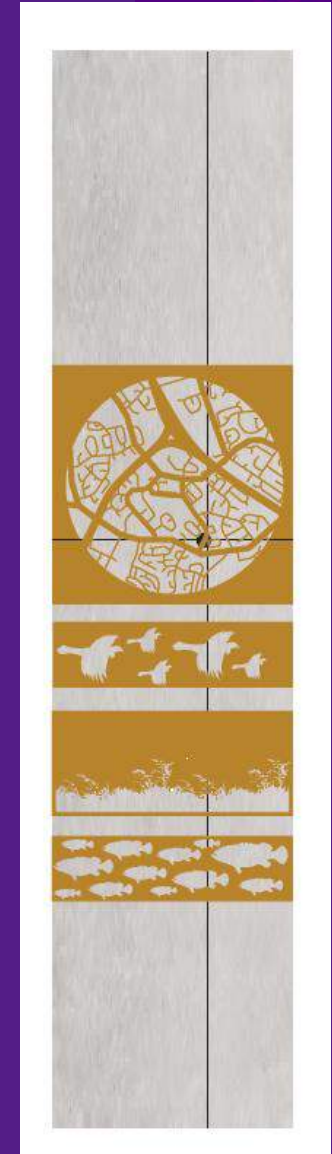
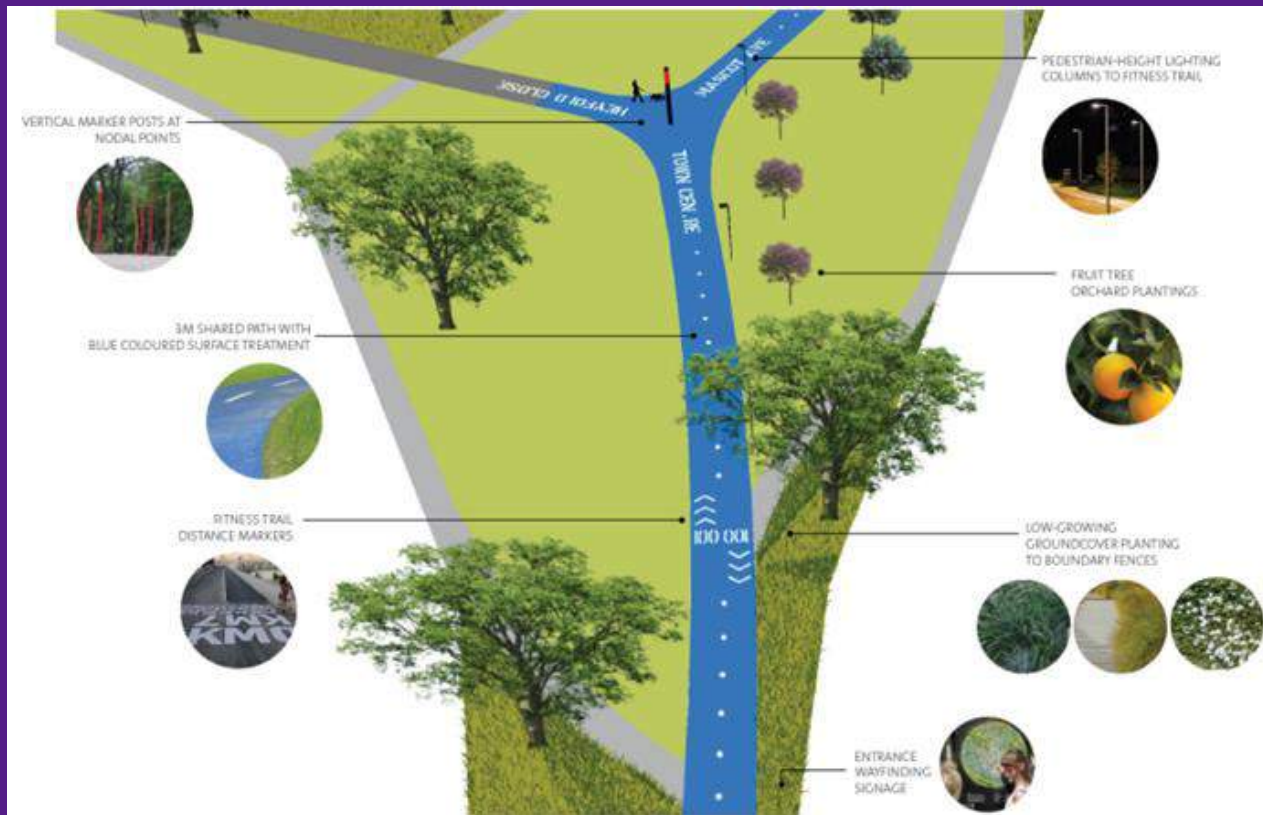


Toe Toe

Bringing to life in community trail



Applying Te Aranga principles
in key aspects of design



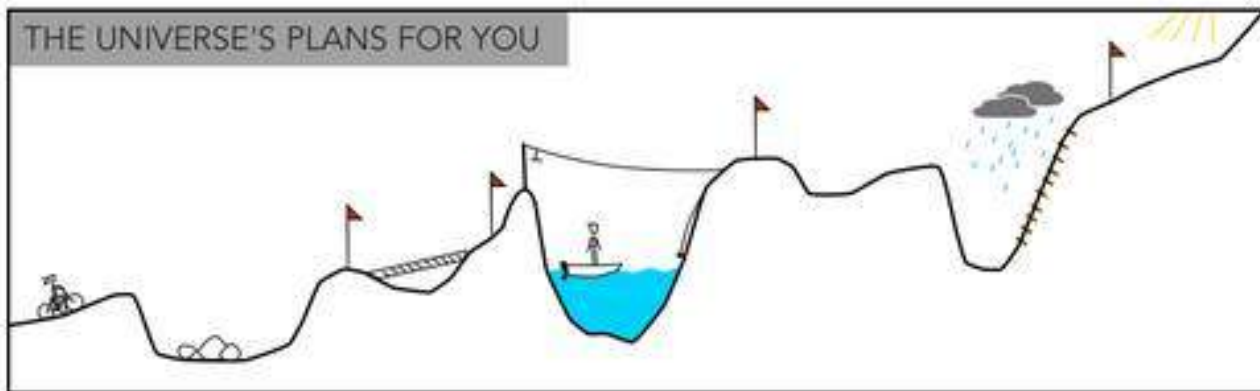
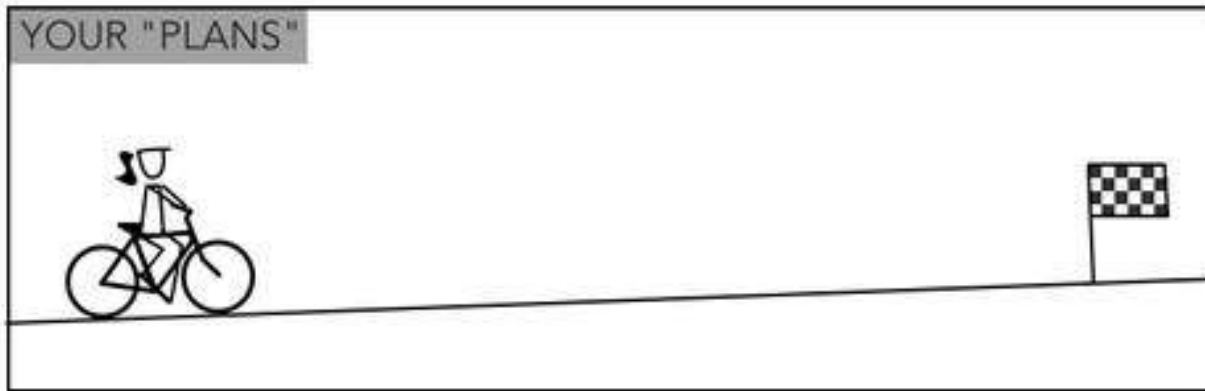
Future Streets – key steps



- Complete detailed designs and baseline surveys (2014-15)
- Construction (2015)
- Follow-up measures, modelling and economic analysis (2016)
- How-to guide (2016)
- Dissemination



One key learning so far



DOGHOUSE DIARIES

Future Streets

Acknowledgements

- Research team
- Research advisors
- Auckland Transport
- Steering group
- MBIE
- NZTA, ACC
- Community members and stakeholders

www.futurestreets.org.nz

