

Auckland faces a road safety crisis

From 2014 to 2017......

Travel growth in Auckland (estimated) +15%

Auckland serious injuries

+68%

Auckland deaths

+78%

Rest of NZ serious injuries

+28%

Rest of NZ deaths

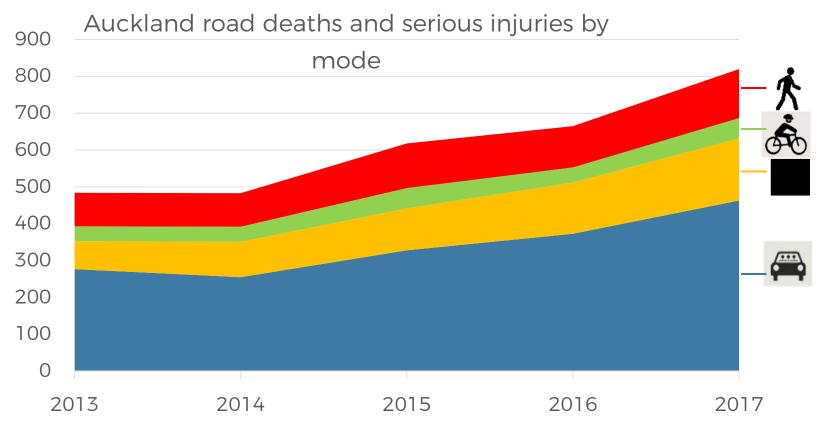
+23%



Spencer Platt/ Getty Images https://www.washingtonpost.com



45% of road deaths and serious injuries involved people outside vehicles



70% of 2017 road trauma was on urban 50 km/h roads, impacting vulnerable road users

Why is road trauma increasing?

Urban

Changing travel patterns
(increases in PT, walking, cycling
and motorcycling) creating a
more complex network with
reduced margin for error = more
mistakes

Rural

Housing growth is creating increased travel on an unforgiving high speed road network among new rural drivers

Auckland

Population and economic growth, high vehicle ownership, low density & sprawling city, competing technology demands

People want safe roads

Increased customer safety complaints
Increased delays due to crashes
Increased social & economic costs



Auckland Road Safety Partnership

Our Vision: VISION ZERO

A safe road system free of death and serious injuries.



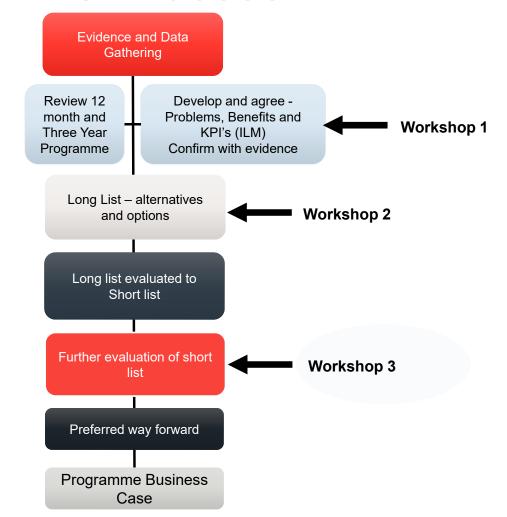
New investment approach.

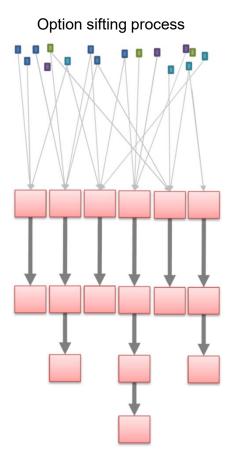




(AT) (NSI) OPUS

PBC Process





Three Year Programme Review

Year 1 (18/19) ✓



Recommended Year 2 & 3 Programme Budget



Rural roads & intersections

\$28.0 million

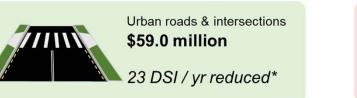
14 DSI / yr reduced*



Speed Management

\$40.9 million

42 DSI / yr reduced*





Safer Communities

\$20.2 million

5 DSI / yr reduced*



Minor Improvements

\$11.2 million

3 DSI / yr reduced*



Red Light Cameras

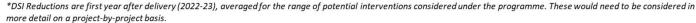
\$1.5 million

1 DSI / yr reduced*

DSI saved/ year 2018-21: 87 (14%)

Two Year **Spend**

2019-21: \$160M





Learnings from International Research

Noteworthy findings

London:

- ✓ Blanket lowered speed limits
- ✓ Healthy streets initiatives
- ✓ STARS school safety education
- ✓ Target of ZERO DSI by 2041, plus mode shift
- ✓ By 2016, London's fatalities were lowest on record.

New York:

- ✓ Enforcement increased
- ✓ Focus on bicycle lanes
- ✓ Pedestrians Improvements (head start)
- ✓ Pedestrian fatalities fell 32% between 2016 and 2017
- ✓ Evidence-based project prioritisation

Queens, NYC:

✓ "Boulevard of Death"





Portland:

- ✓ Targeting ZERO deaths and living close to cycleways
- ✓ Neighbourhood greenways and walking/cycling protection

Sweden:

- ✓ Bicycle focus (urban areas)
- ✓ Lower speed limits
- ✓ Incorporation of more bike data, hospitalisation data
- ✓ Indicators to measure interim success



Problems

Insufficient leadership and priority for road safety in policy and decision making has prevented the full delivery of a safe system 40%

Unsafe road and street design increases speeds, the impact of small mistakes, and discourages active transport choices 35%

Risky road user behaviour, insufficient enforcement, and lack of understanding of the road safety problem, have contributed to the increase in death and serious injuries 25%

Benefits

Sustained reduction in road deaths & serious injuries

Safe & healthy streets for everyone

A safer road and street environment

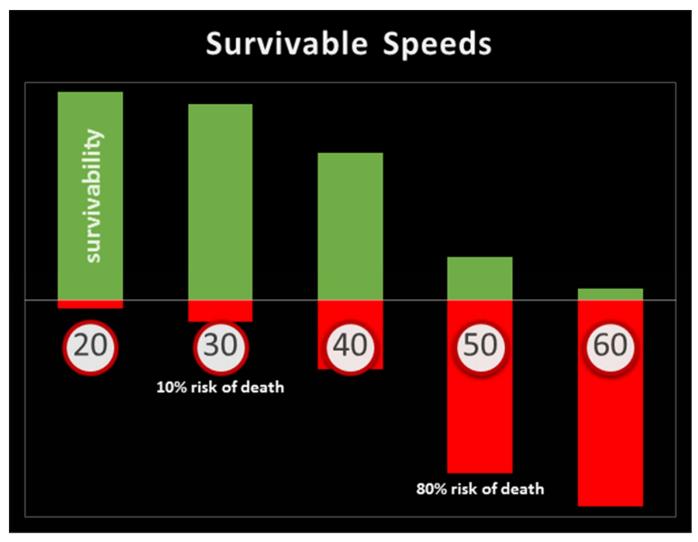
Safe road user behavior





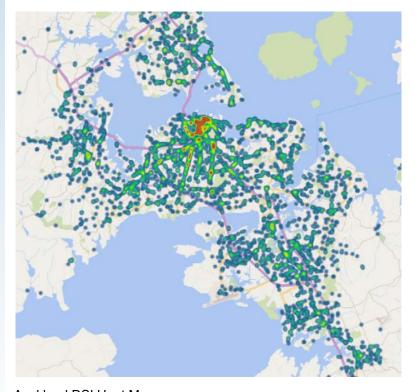
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Why address speed?





Why address speed?



Auckland DSI Heat Map

Speed management is emerging as a key early focus area

Why is it important?

Proven value for money

How do we respond?

Reduce speeds by any means

What are we measuring?

- Proportion of vehicles travelling over safe speeds
- Severity of speed-related vehicle crashes





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(Types of solutions)

Speed Management Behaviour Change Schools and communities

Land use

High risk corridors & intersections

A7

OPU:

Enforcement

Temporary road safety solutions

Policy and legislation Organisation al process and culture Operations and maintenance



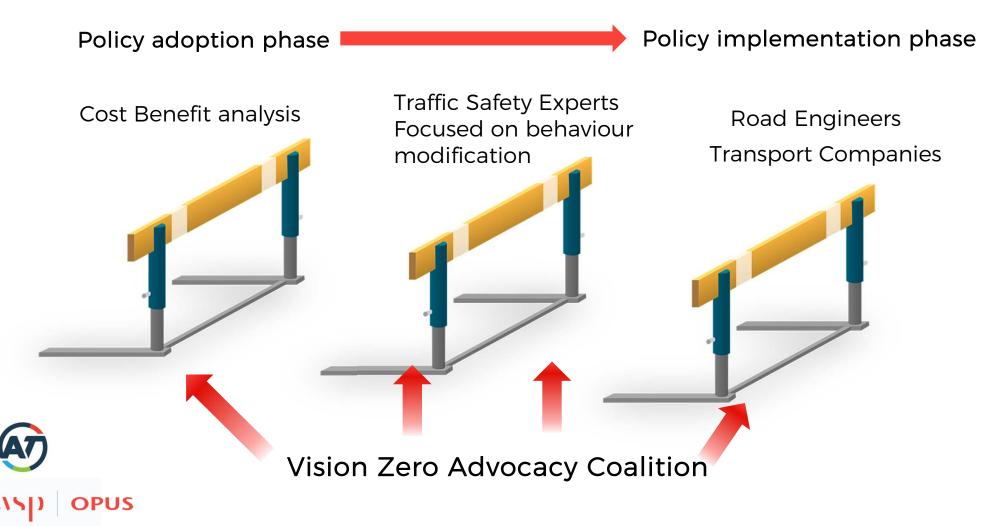
Transport system designers have a responsibility

Vision Zero thinking must become a lens under which we deliver <u>all</u> land transport investment.

People are change-makers... are the right people involved?

It takes time for new philosophy to make its way through all of our thinking....

Obstacles along the process



Zero

PITFALL RULE OF THUMB

NEGLECT CONTEXT

UNDERSTAND CONTEXT

CHANGE OTHERS ONLY KNOW YOURSELF

THINK IN LINEAR TERMS THINK SYSTEMICALLY

SEEK SAFETY IN CERTAINTY

LEARN AND ADAPT



RECOGNISE CHANGE IS PERSONAL



The Paradox

"There is no courage without vulnerability"



(Brene Brown)