



A successful self-explaining roads project in New Zealand; *but what is next?*

Hamish Mackie

This presentation...

1. Quick re-cap: What are Self Explaining Roads? What aren't they?
2. Pt England project results (including new stuff)
3. What's next?

What are self explaining roads?



The look and feel of a road matches its intended function

Are **'user friendly'**

Involve a well planned set of road categories

Are planned from "the big picture" downwards

Have significant community ***involvement***



Self explaining roads are NOT



Localised speed calming in
response to complaints



Pt England, Auckland City.
Construction courtesy of
Auckland City Council

Pre-treatment
Local roads



Collector roads



Post-treatment
Local roads

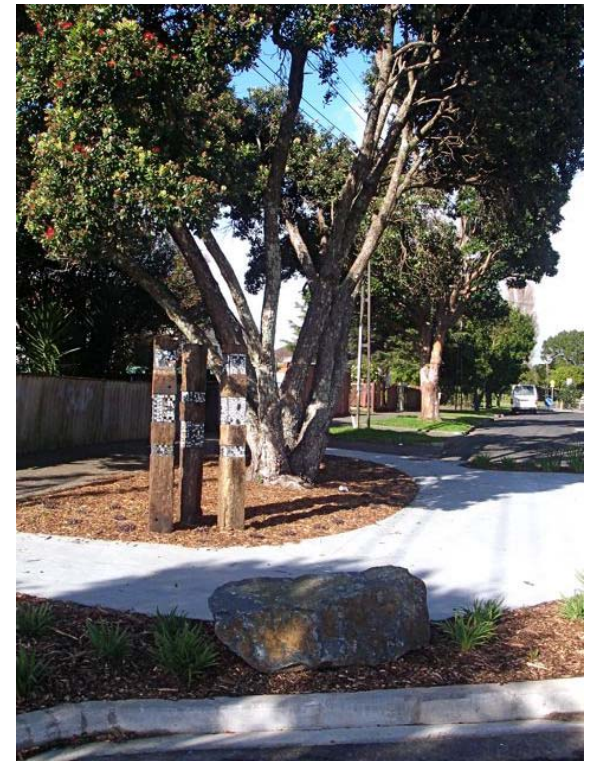


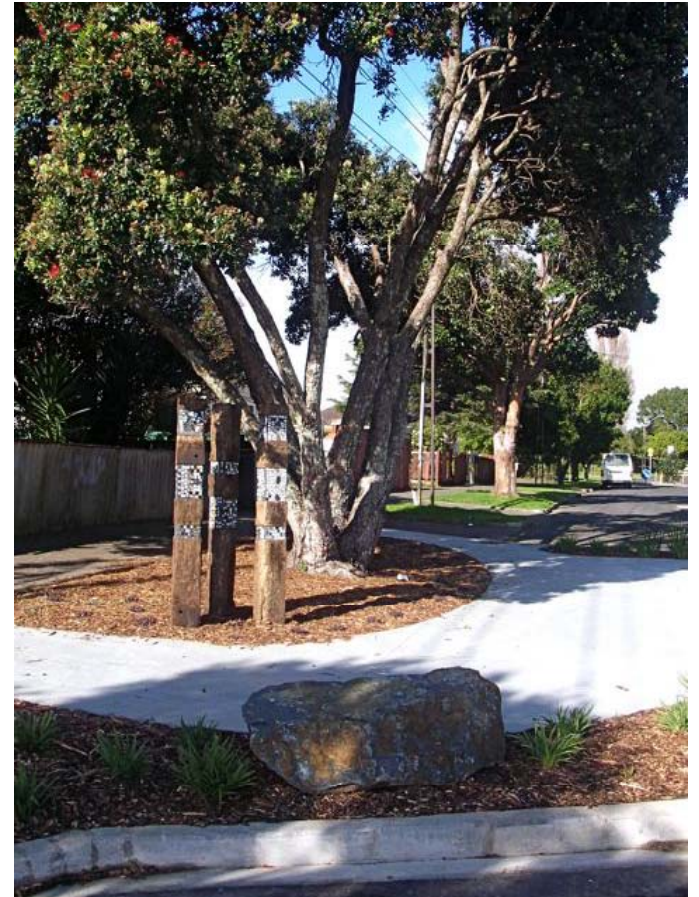
Collector roads

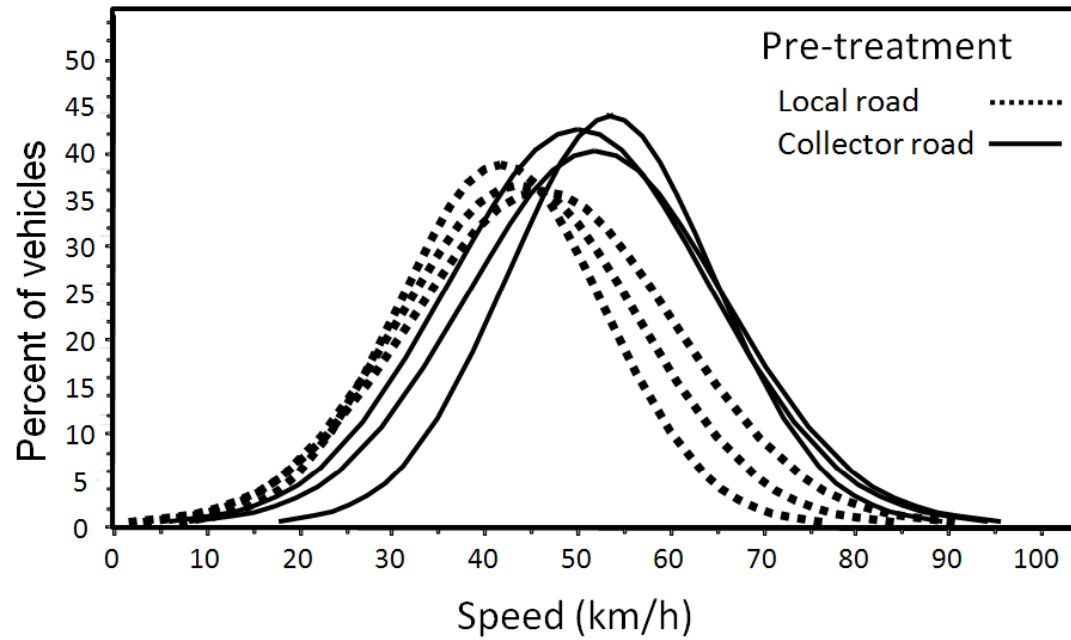




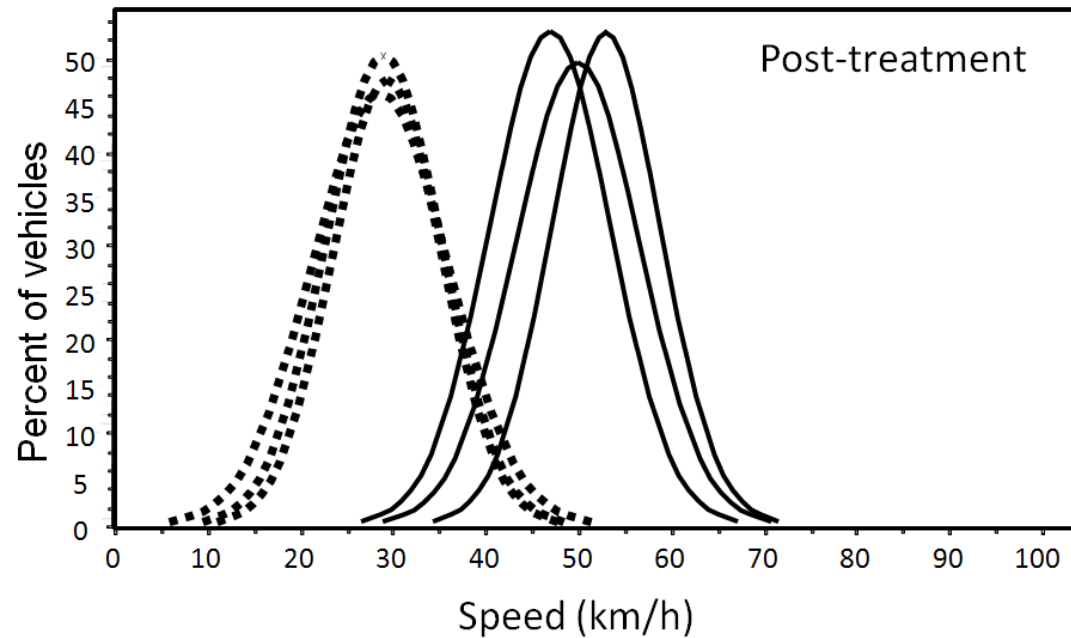




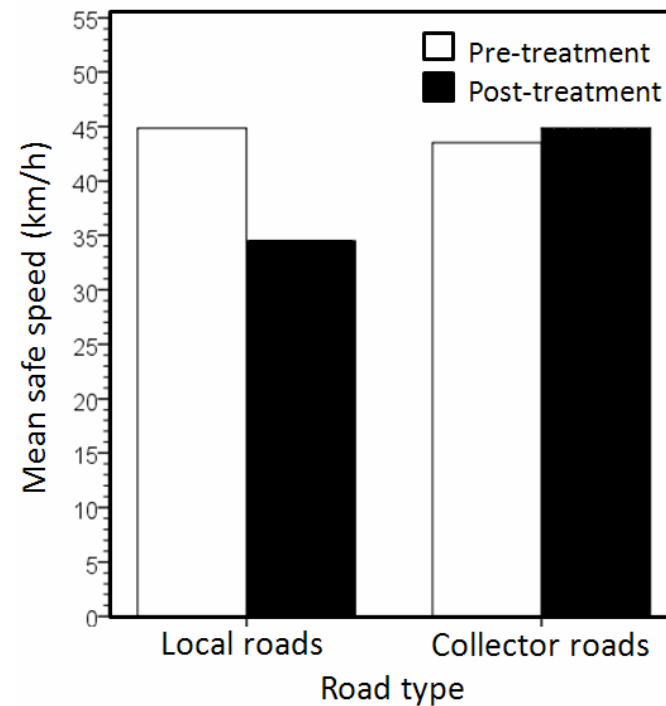
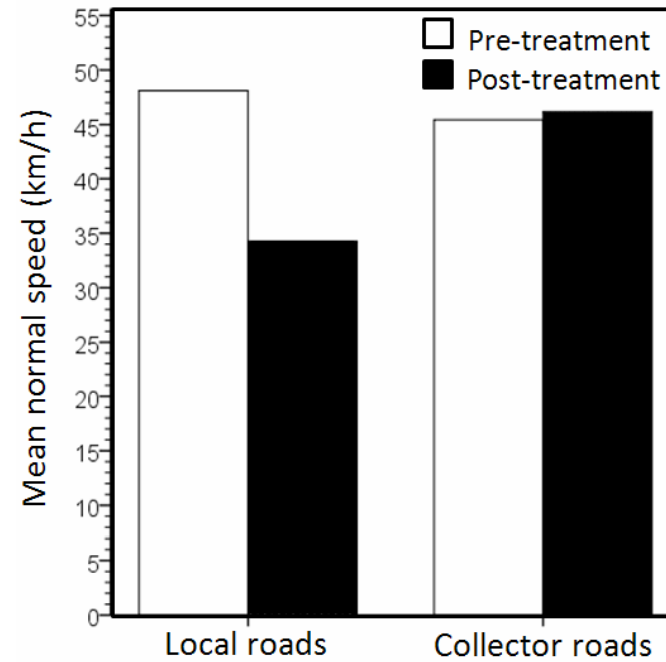




Homogenous speeds
with large variation



Distinctly different
speeds with much less
variation



Resident perceptions of normal and safe speeds: Different expectations for different types of road following construction



Contents lists available at ScienceDirect

Accident Analysis and Prevention

journal homepage: www.elsevier.com/locate/aap



Using endemic road features to create self-explaining roads and reduce vehicle speeds

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ARTICLE INFO

Article history:

Received 25 February 2010

Received in revised form 25 April 2010

Accepted 9 June 2010

Keywords:

Speed management

Road hierarchy

Sustainable safety

Self-explaining roads

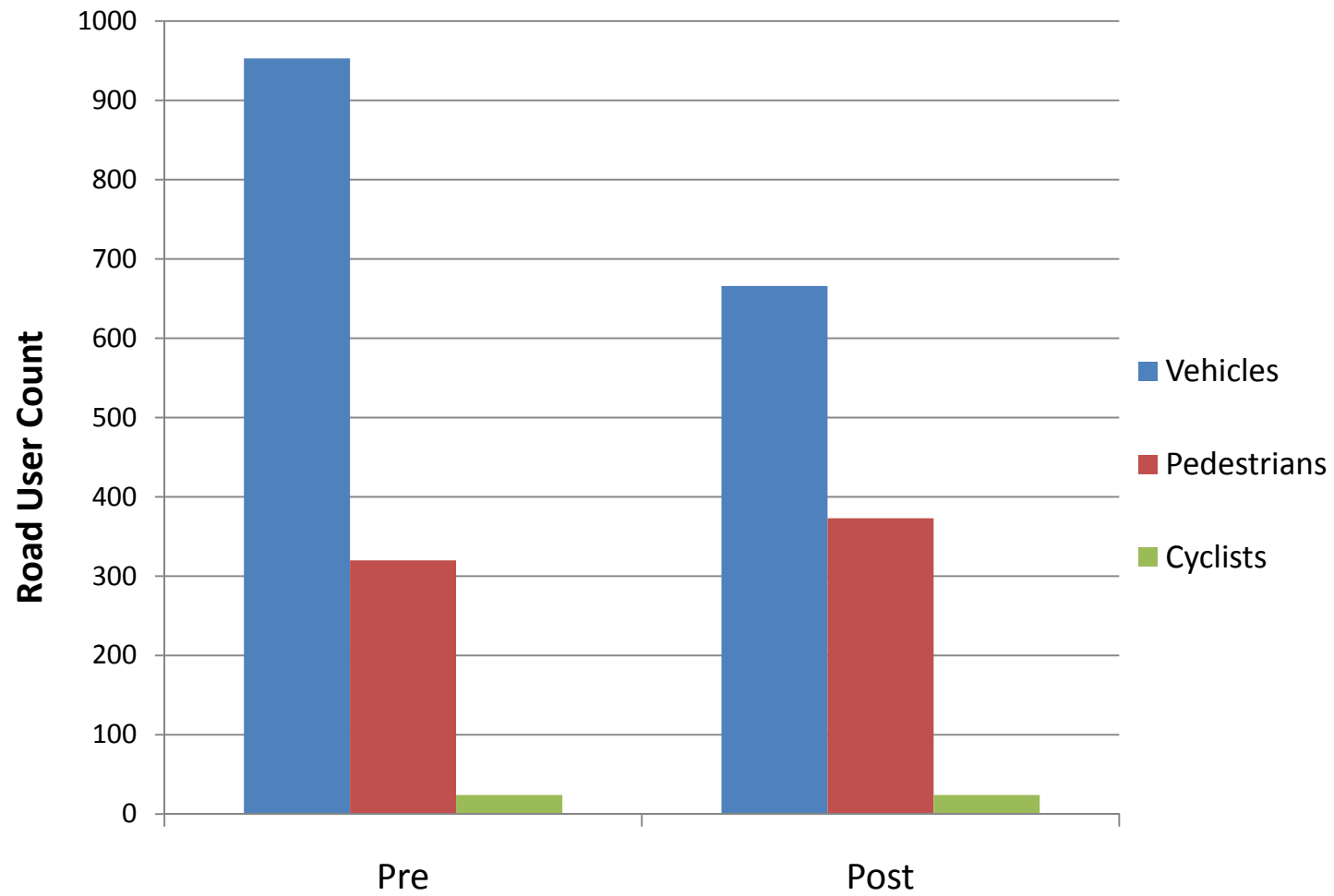
Road design

ABSTRACT

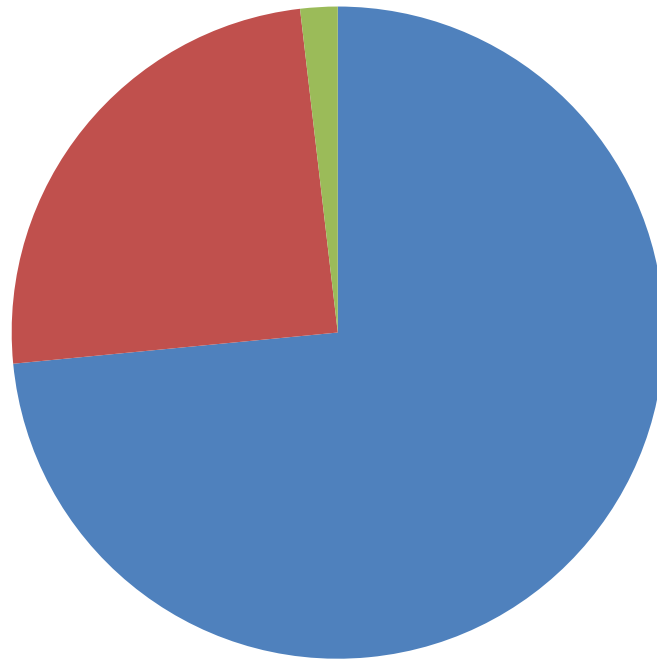
This paper describes a project undertaken to establish a self-explaining roads (SER) design programme on existing streets in an urban area. The methodology focussed on developing a process to identify functional road categories and designs based on endemic road characteristics taken from functional exemplars in the study area. The study area was divided into two sections, one to receive SER treatments designed to maximise visual differences between road categories, and a matched control area to remain untreated for purposes of comparison. The SER design for local roads included increased landscaping and community islands to limit forward visibility, and removal of road markings to create a visually distinct road environment. In comparison, roads categorised as collectors received increased delineation, addition of cycle lanes, and improved amenity for pedestrians. Speed data collected 3 months after implementation showed a significant reduction in vehicle speeds on local roads and increased homogeneity of speeds on both local and collector roads. The objective speed data, combined with residents' speed choice ratings, indicated that the project was successful in creating two discriminably different road categories.

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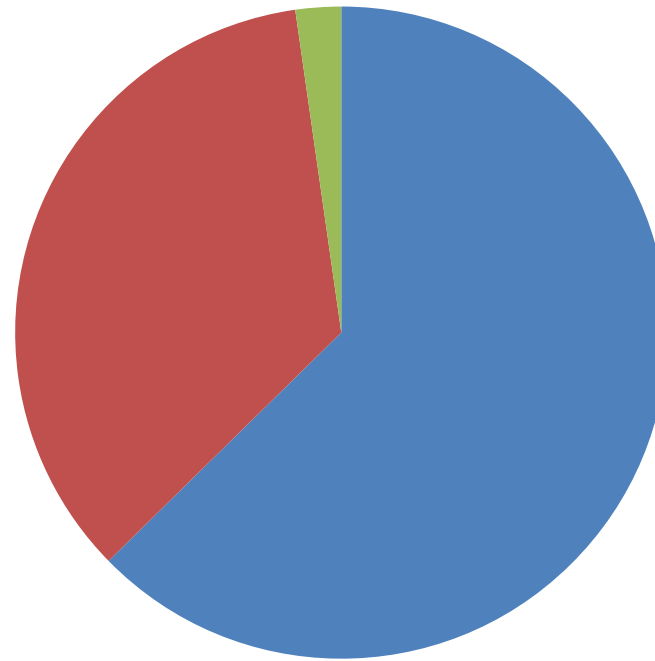
What's next for the Point England project?



Road user counts at four local street locations over four non-consecutive days.



Pre-construction



Post-construction

- vehicle
- pedestrian
- cyclist







09 September 2009
03:25:14 PM



0:11:58.33 / 1:30:24.94



1:15:07.07 / 1:31:03.30

Future Self Explaining Roads areas of focus?



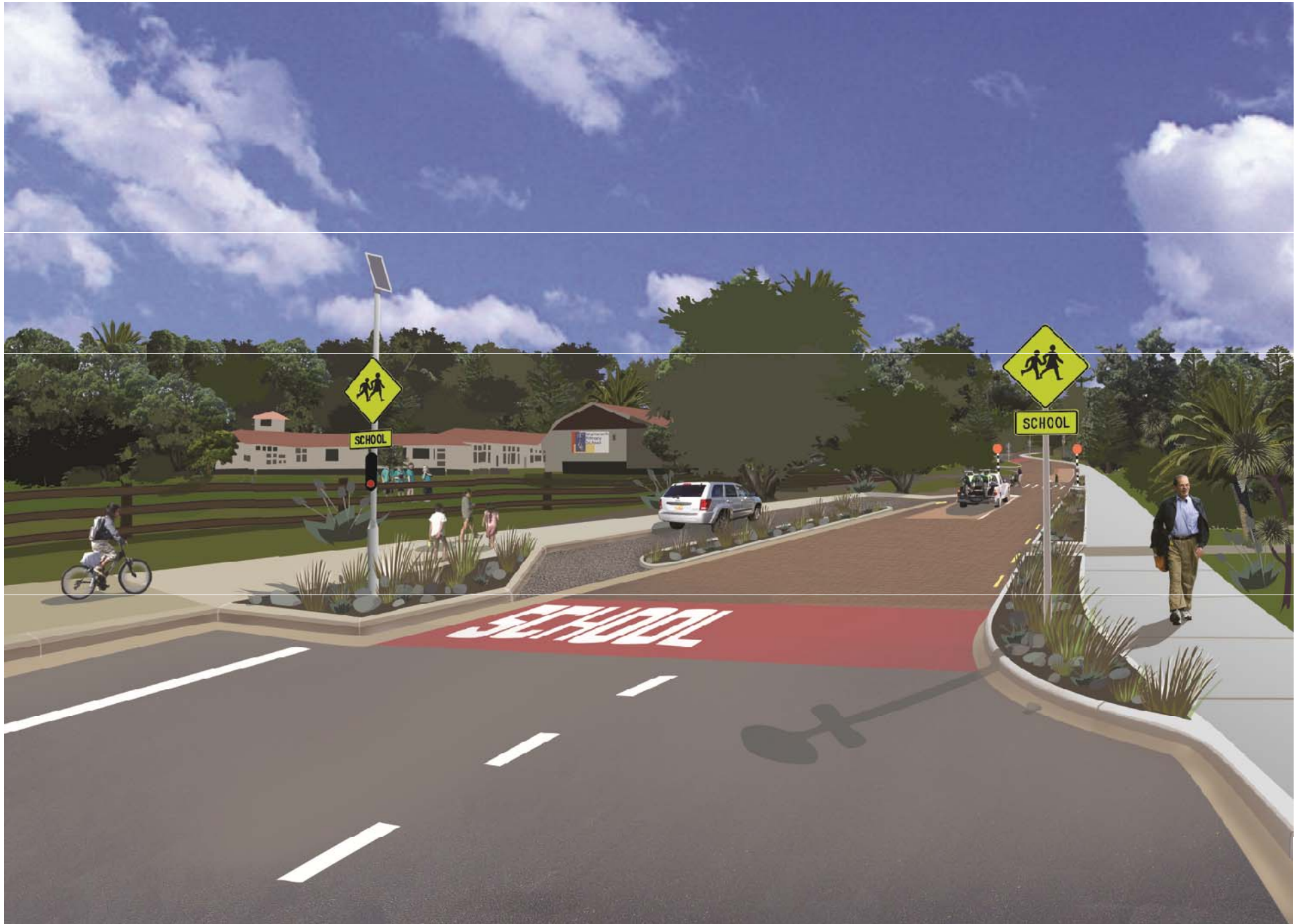
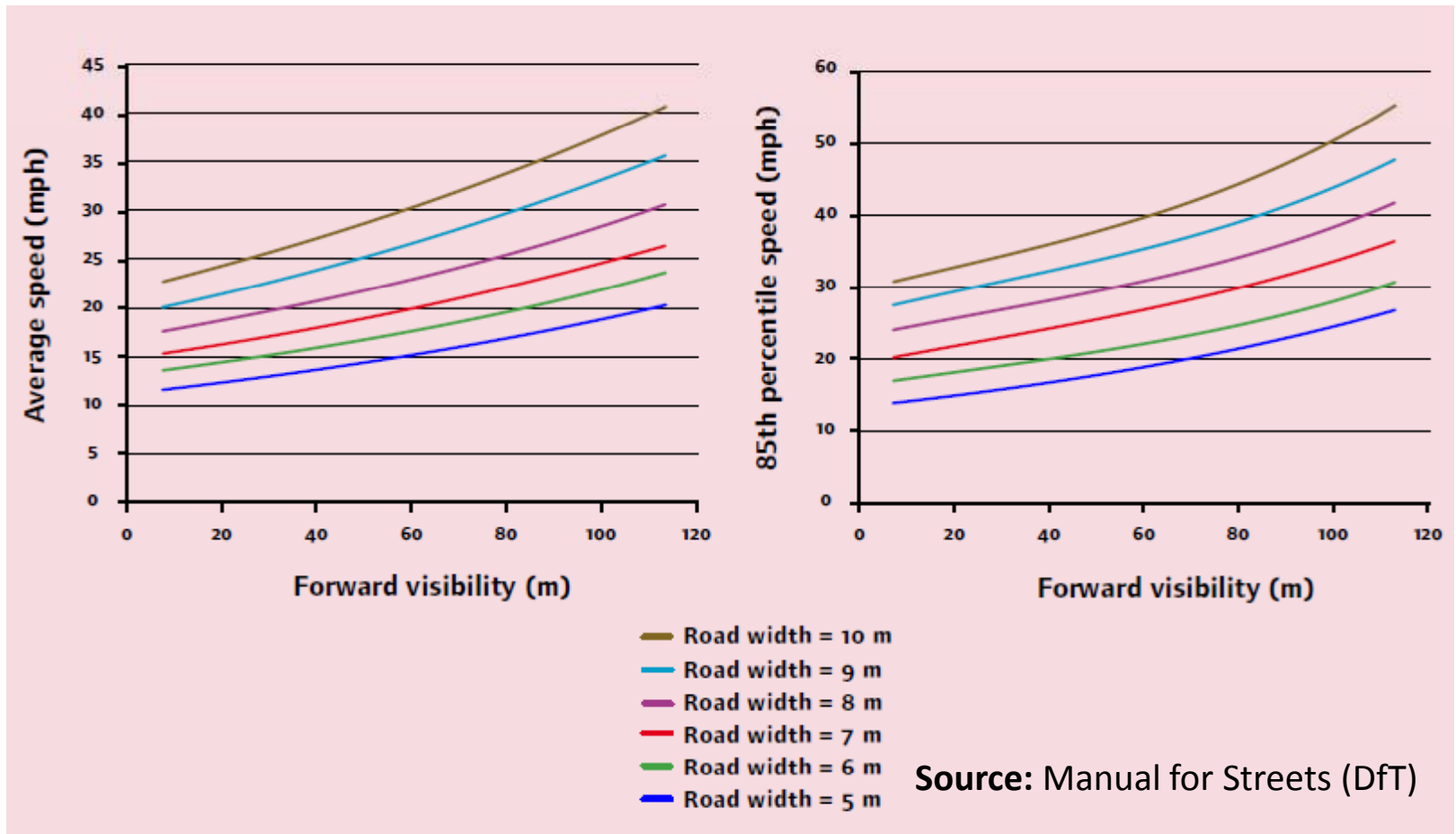




Photo: RTA 2009

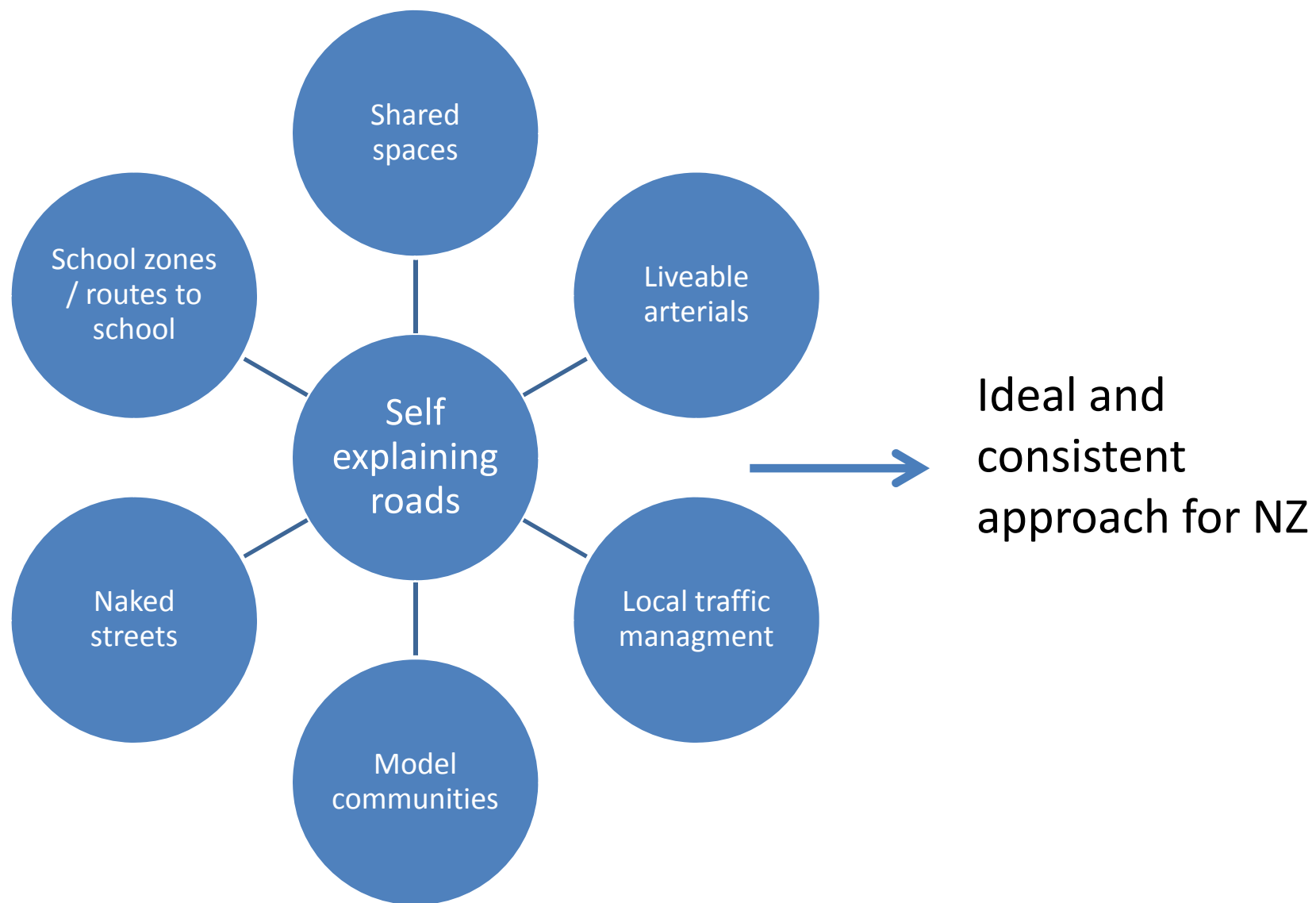
Dragons teeth – A cost effective way of reinforcing school zones

NZS 4404 Subdivision Std





Wider benefits of user friendly environments for active transport





Thank you

