



VELO-CITY
GLOBAL 2014
CELEBRATION
OF CYCLING
ADELAIDE, MAY 27-30

A car is 1.9m wide... How much space does it really need?
Kate Simnett
City of Yarra



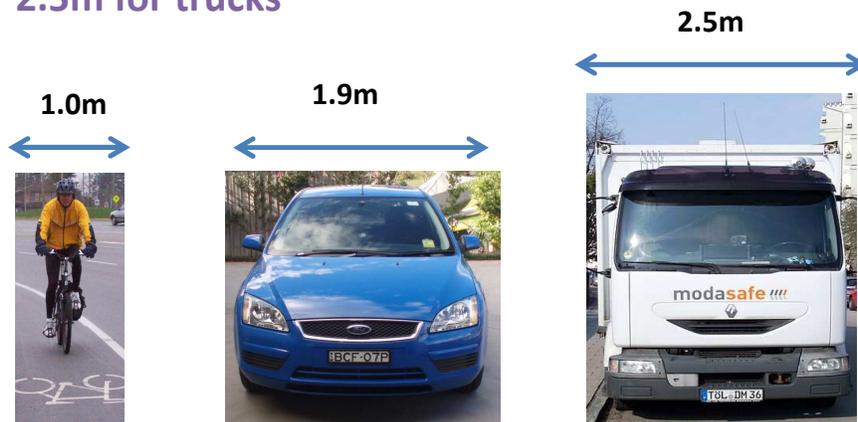
Context

- Small inner Council in Melbourne. Adjacent to CBD.
- High rates of cycling and walking.
- Cycling journey to work = between 19.4% and 6.5%.
- Old suburbs with narrow streets.
- Interested, committed residents and passionate Councillors.

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A bicycle design envelope is 1m
 1.9m for cars
 2.5m for trucks



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International guidelines for traffic lanes widths

Country	Arterial	Local Roads
Australia	3.3-3.5m	3-3.3m
Denmark	3m	3-3.25m
Germany	3.25-3.5m	2.75-3.25m
Netherlands	2.75-3.25m	3.1-3.25m
South Africa	3-3.7m	2.25-3m
UK	3.65m	3-3.65m
USA	3.3-3.6m	2.7-3.6m

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Australian Guidelines

- 3-3.3m traffic lanes for low speed and truck volume streets
- Bike lanes should be desirably 1.5m wide but can be as narrow as 1.2m. There are examples of 1m on highly constrained roads.
- Something is better than nothing!

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Australian Guidelines for a 'wide kerbside lane'



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Yarra Arterials

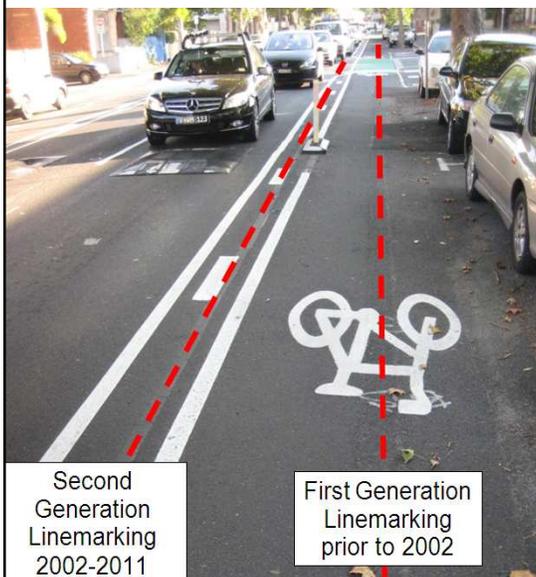
Before



After



Nicholson St, Abbotsford



Second Generation Linemarking 2002-2011

First Generation Linemarking prior to 2002

- 1st gen – 1.2m bike lane
- 2nd gen – 2m bike lane
- Current – 1.8m bike lane with 0.5m buffer
- Approx 10,000 vpd

Does it really need?
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Yarra Local Roads



Speed reduction

Local Area Traffic Management Studies (LATMS) is the system we use to deliver a 40kph posted speed limit in 100% of Yarra's local roads.

Our Engineers have used walking and cycling facilities as the main technique to reduce speed.

- Kerb extensions;
- Raised crossings; and
- More bike lanes;

want to know more about LATMS? See Cr Jackie Fristacky (our Mayor) on Thursday morning.



Speed reduction

LATMS have now delivered 40kph posted speed limit in 100% of Yarra's local roads.

Narrower car lanes = more uncertainty for drivers = slower speeds.

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Results?

Narrower traffic lanes have enabled the installation of bike lanes where they might have otherwise not have been installed.



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Questions?

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