

Presentation to MRRA

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Smarter Cambridge Transport
(formerly Better City Deal)

www.smartertransport.uk



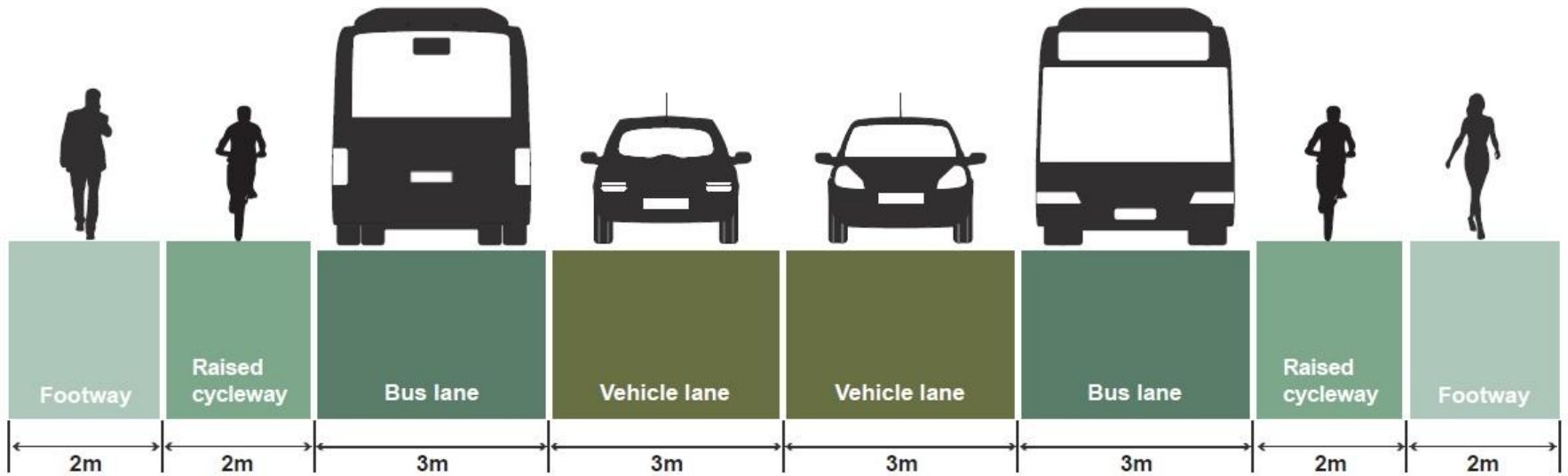
@SmarterCam

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City Deal objectives (WSP report)

1. To provide comprehensive priority for buses in both directions along Milton Road and where possible, on Histon Road;
2. To make provision for cyclists along Milton Road and Histon Road which is segregated from buses and general traffic wherever possible;
3. To improve provision of cyclists and pedestrians in line with the public realm proposals at Mitcham's Corner whilst maintaining traffic flow through the junction;
4. To generate options capable of maintaining traffic levels at today's levels in Cambridge;
5. To consider the potential for enhancing the environment, streetscape and air quality in these corridors; and
6. To assess the impacts on existing residents and highway capacity for each option.

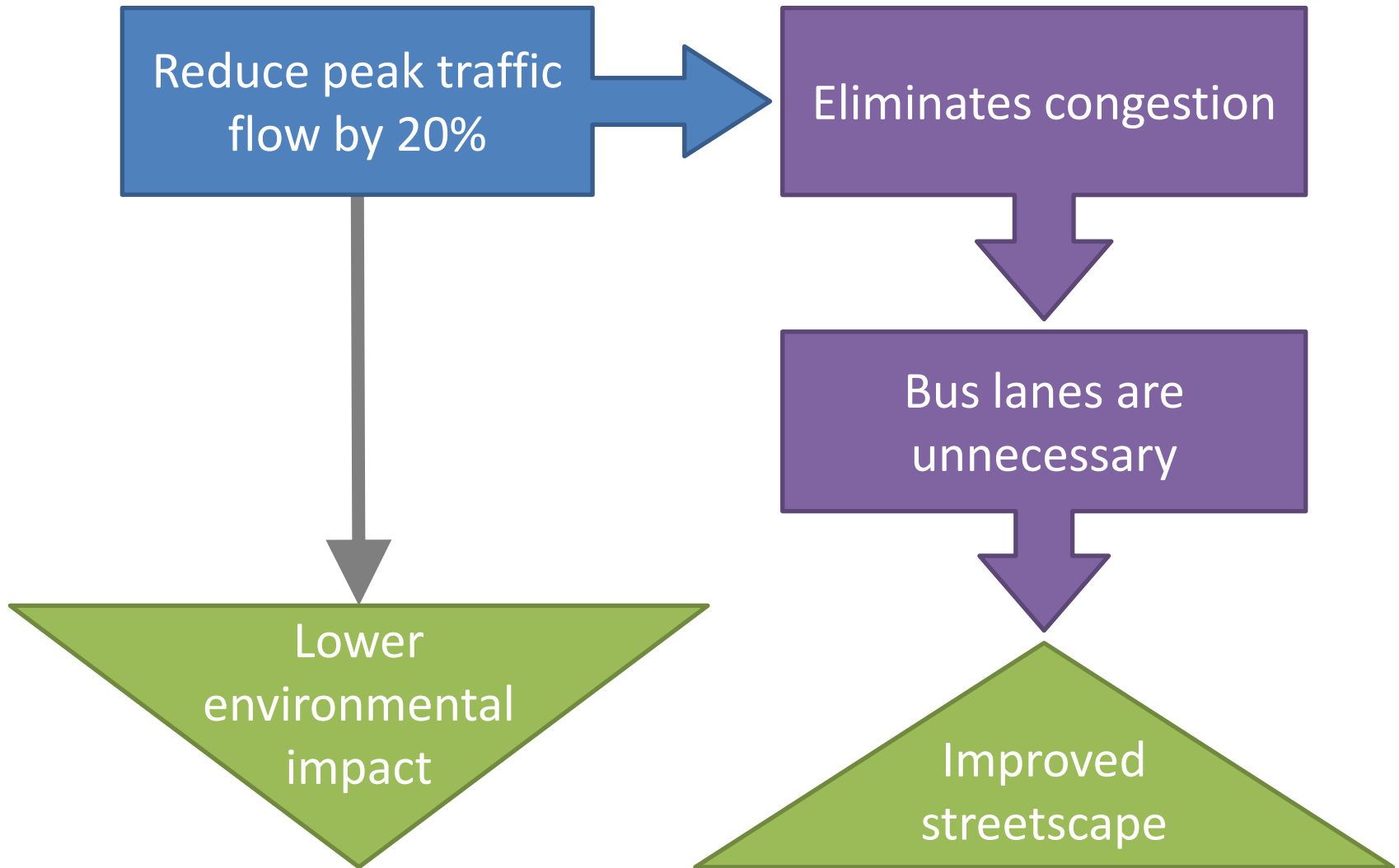
Milton Rd 'Do Maximum' proposal



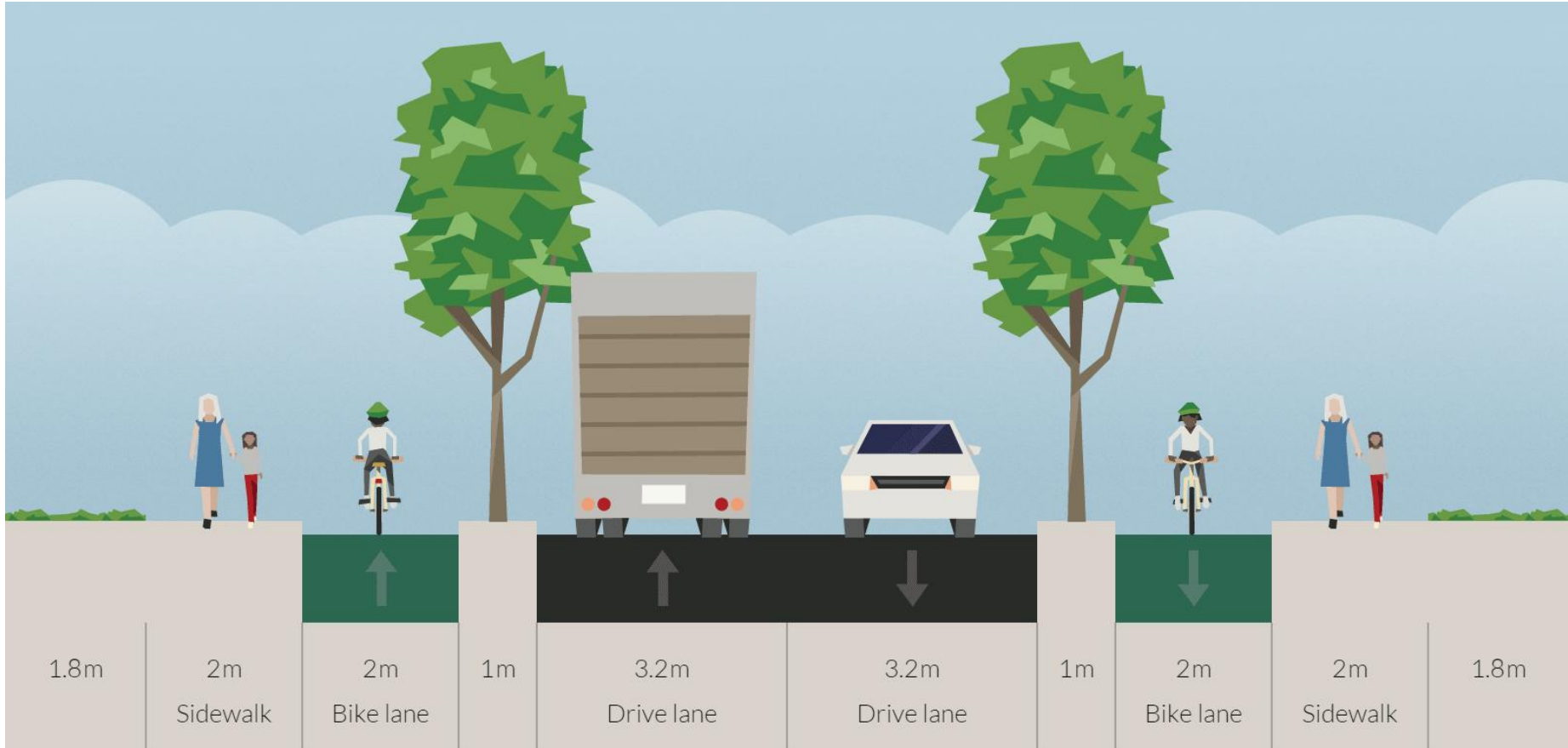
Total width: 20m

(Bus lanes are expected to carry up to 45 buses per hour.)

Start with a plan to eliminate congestion



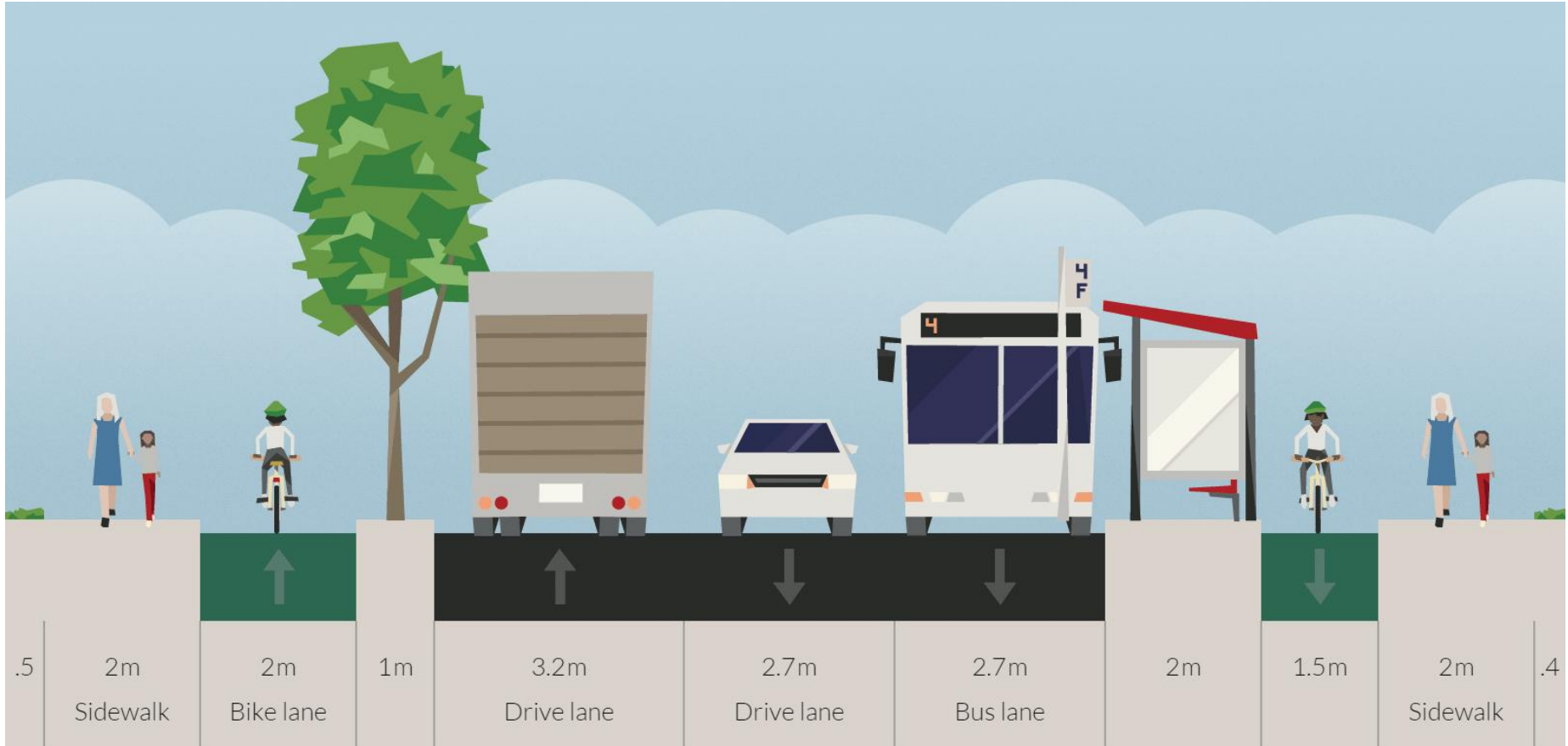
Starting point for a road profile



Total width: 16.4m

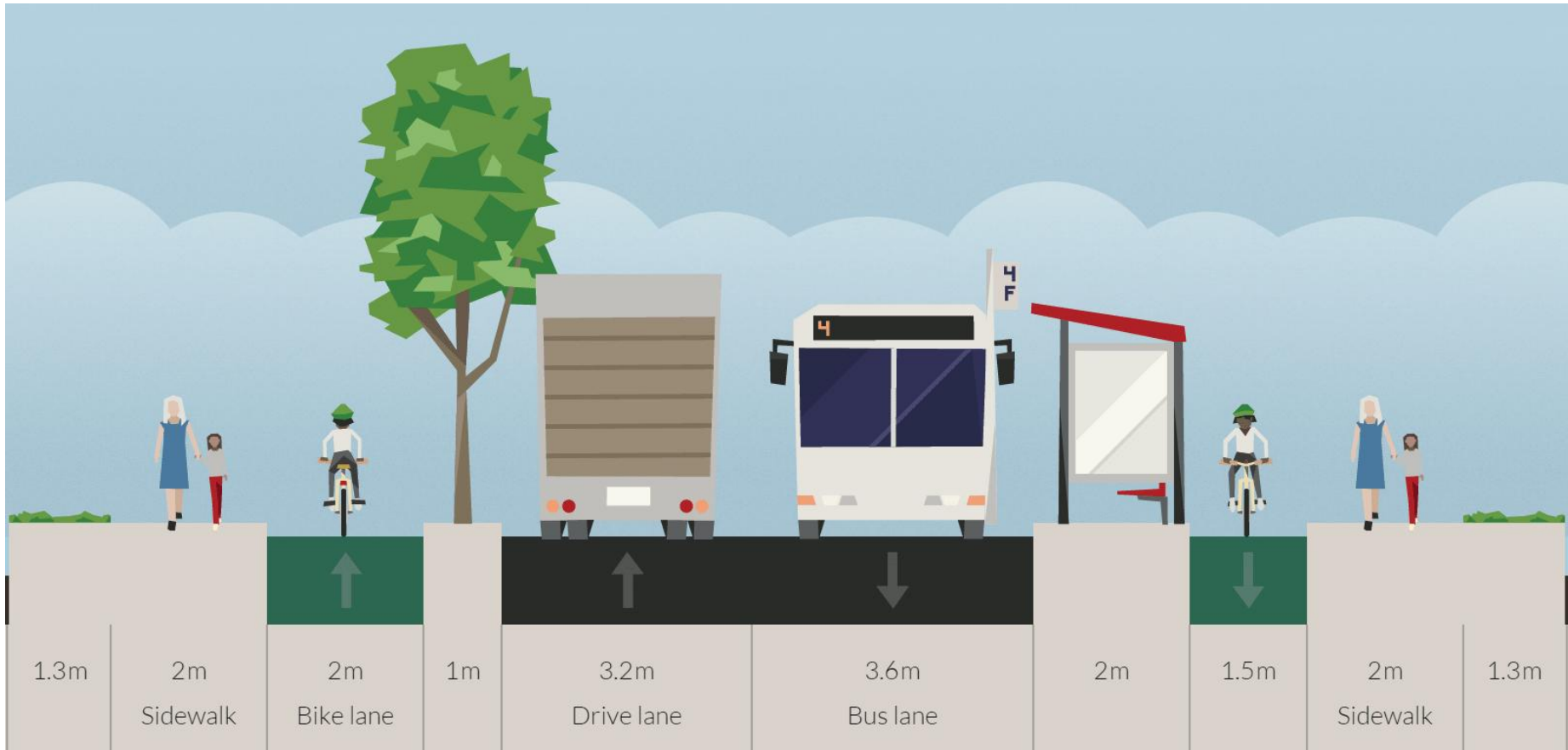
This should be adapted as conditions and needs require

Lay-by bus stop



Total width: 19.1m

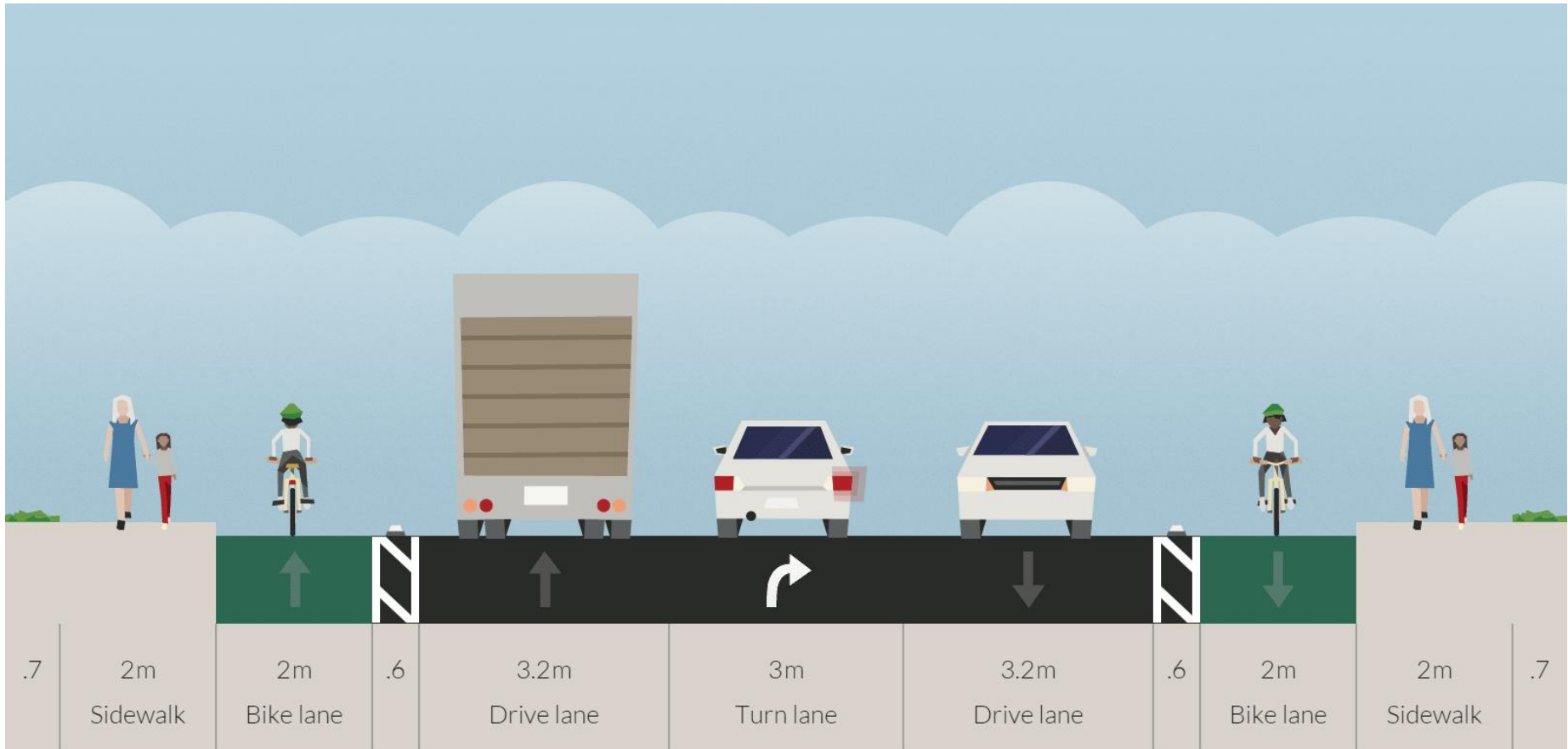
On-road bus stop



Total width: 17.3m

Widened lane allows drivers to see past a stopped bus

Junction



Total width: 18.6m

How to eliminate congestion – Part 1

Improve traffic flow:

1. Smart Traffic Management to smooth the flow.
2. Modifications to junctions and bus stops.

Spot what's wrong here



How to eliminate congestion – Part 1

Improve traffic flow:

1. Smart Traffic Management to smooth the flow.
2. Modifications to junctions and bus stops.
3. Access/turn restrictions (trial first).

City-bound traffic

Gilbert Rd:

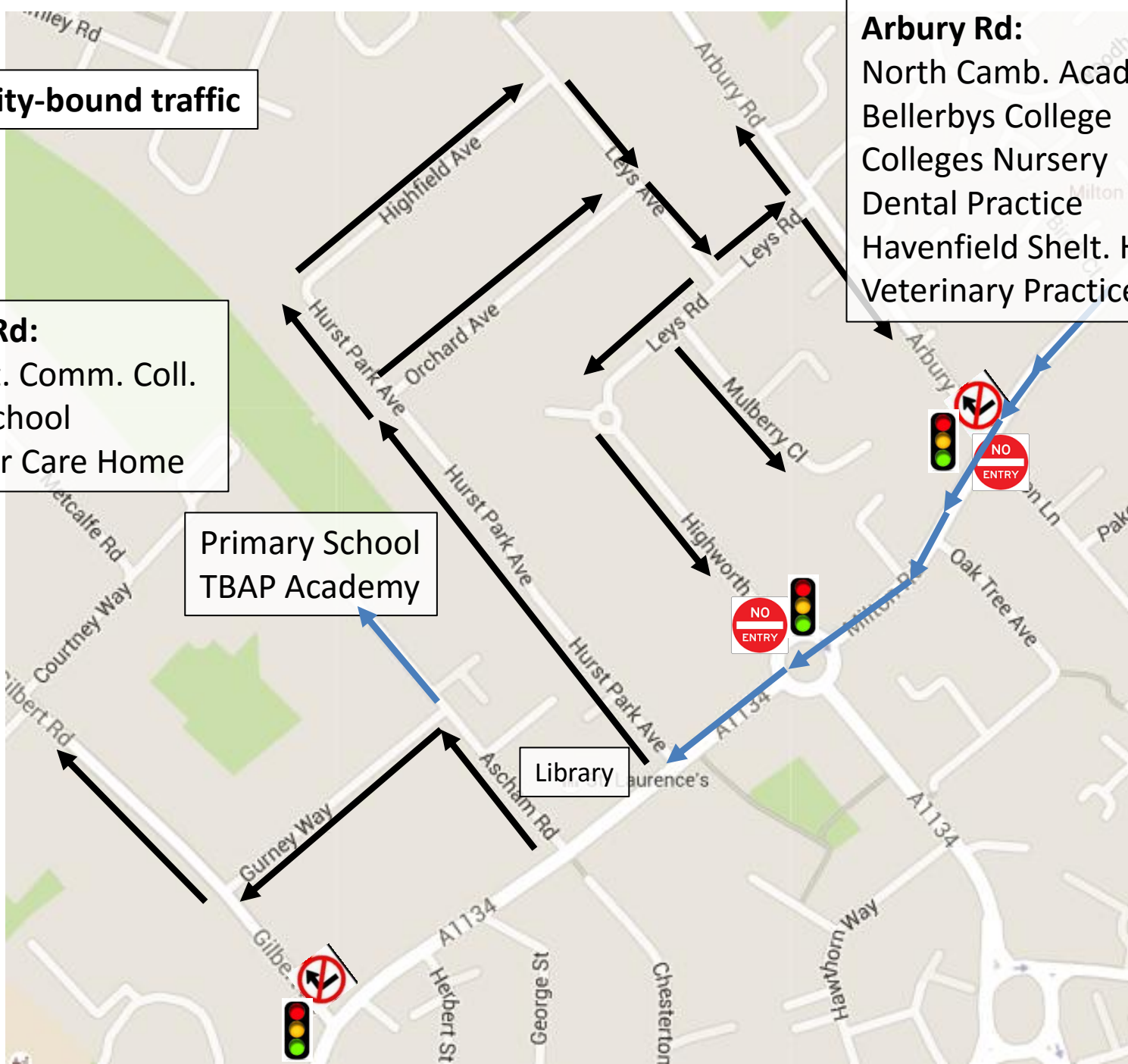
Chestert. Comm. Coll.
Castle School
C. Manor Care Home

Primary School
TBAP Academy

Library

Arbury Rd:

North Camb. Academy
Bellerbys College
Colleges Nursery
Dental Practice
Havenfield Shelt. Housing
Veterinary Practice

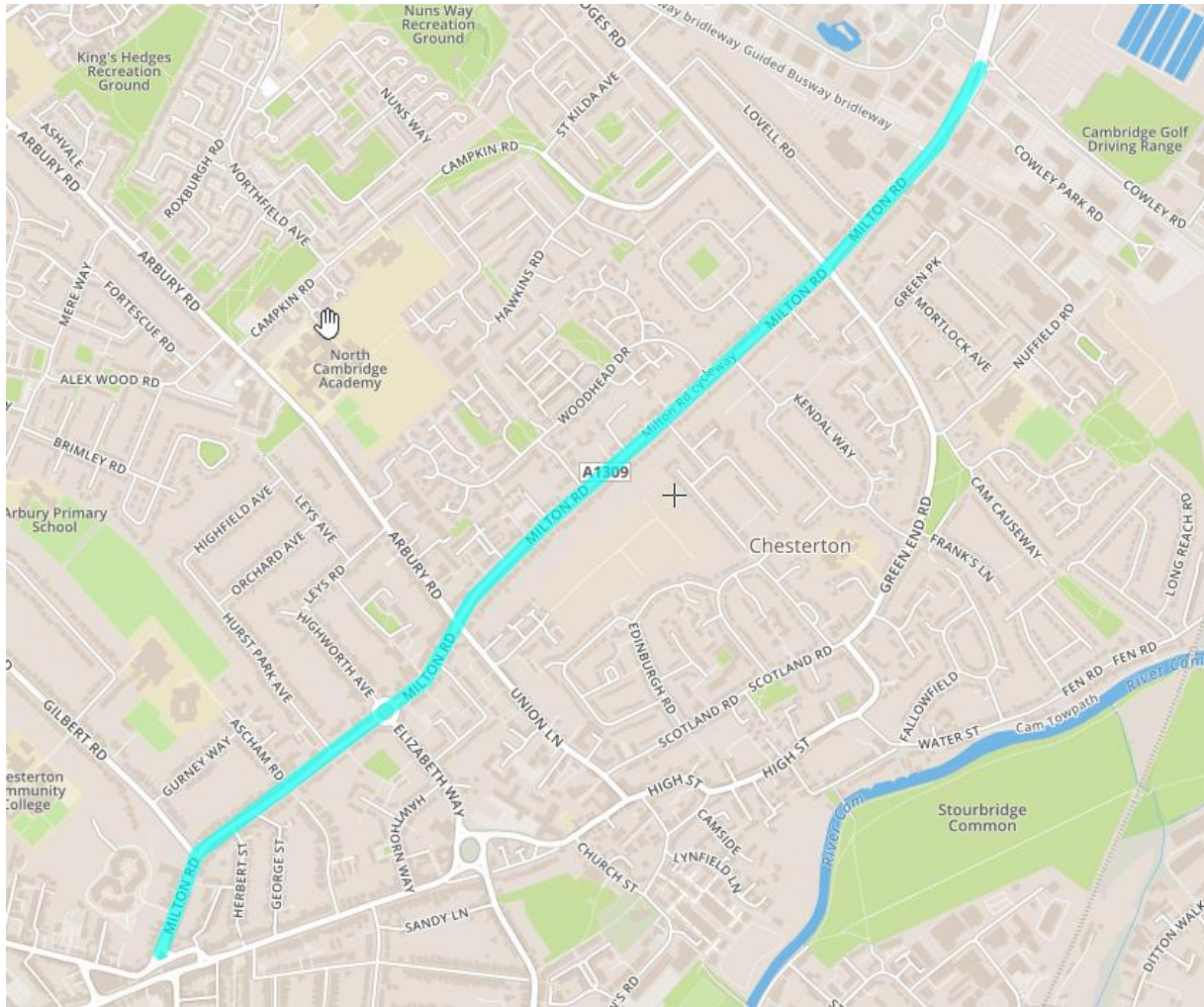


How to eliminate congestion – Part 1

Improve traffic flow:

1. Smart Traffic Management to smooth the flow.
2. Modifications to junctions and bus stops.
3. Access/turn restrictions (trial first).
4. Stagger start times for schools, shops and businesses.
5. Use Inbound Flow Control to regulate the morning peak.

Milton Road



Science Park junction to Mitcham's Corner: 2.5km

Reconfigure with more lanes

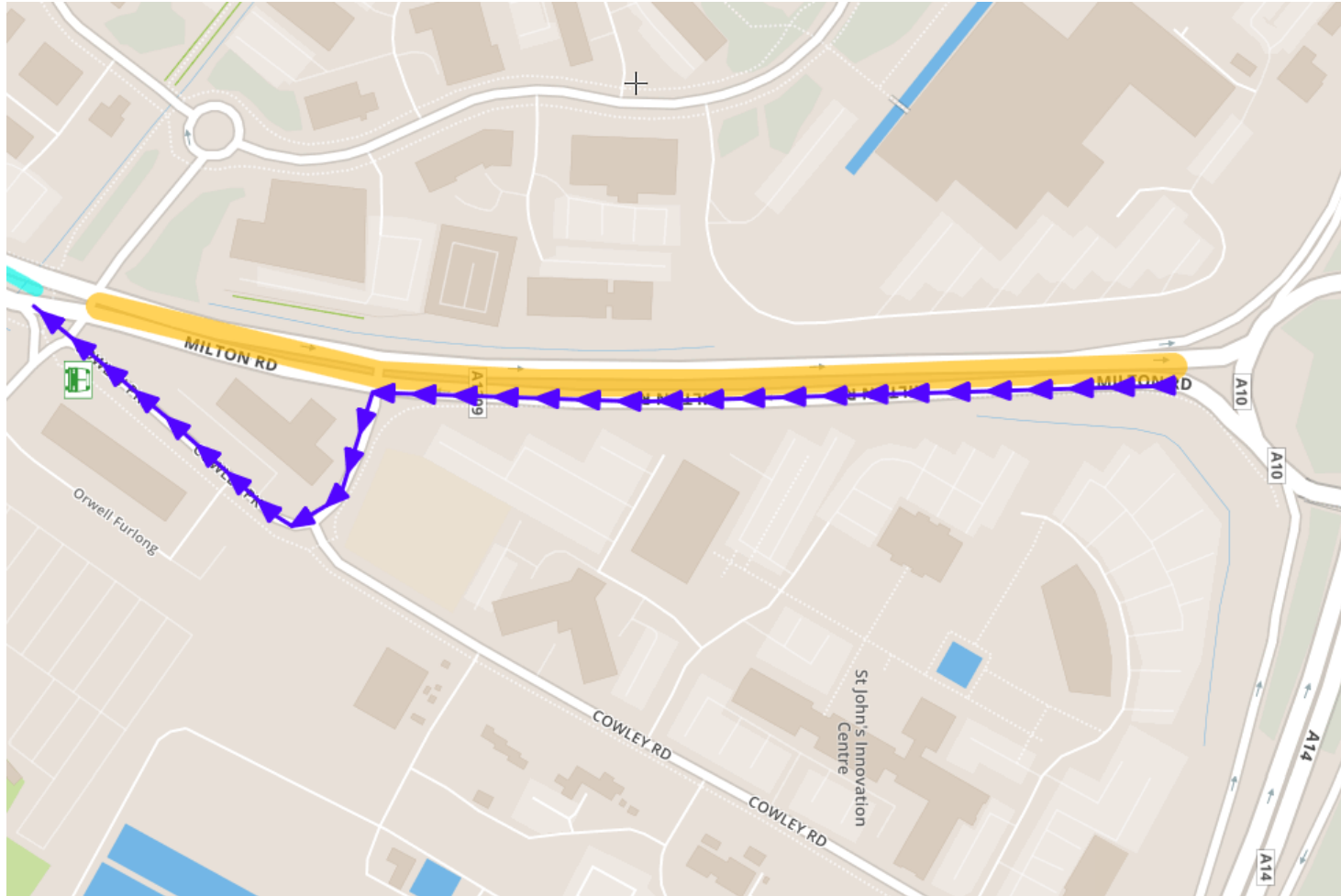


Inbound Flow Control

A14 roundabout to Science Park junction

- 580m long x 26m wide
- Current lanes (3 inbound + 3 outbound):
6 x 3.65m wide @ 50mph + central reservation
- Proposed lanes (6 inbound + 2 outbound):
8 x 3.2m wide @ 40mph + 0.4m median strip
- Over 1,300m of additional road

Bus priority



A14 roundabout to Science Park junction: 580m
Purple: bus priority route (shared)

Bus lane back onto Milton Rd



Move this bus stop to Cowley Rd



How to eliminate congestion – Part 2

Reduce demand

- ✓ Build P&R sites throughout the region.
- ✓ Phase out free commuter parking.
- ✓ Restrict traffic around the inner ring road.
- ✓ Encourage walking & cycling.
- ✓ Make bus services more attractive.
- ✓ Run more train services.

Find out more

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