GREATER CAMBRIDGE PARTNERSHIP

Growing and sharing prosperity
Delivering our City Deal



Milton Road Project Update

Paul van de Bulk 30 January 2018

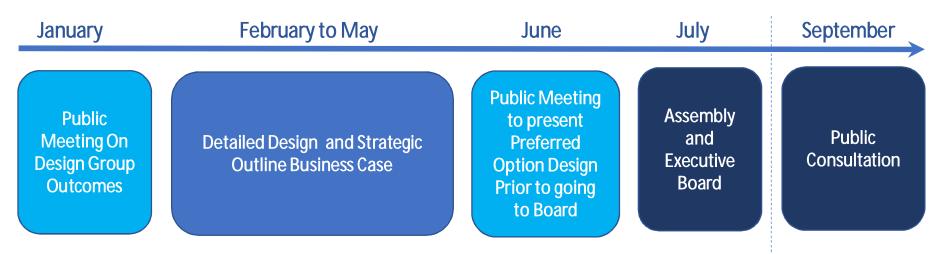
Milton Road Project Objectives

- Comprehensive priority for buses in both directions wherever practicable;
- Safer and more convenient routes for cycling and walking, segregated where practical and possible;
- Enhance the environment, streetscape and air quality;
- Additional capacity for sustainable trips to employment/education sites;
- Increased bus patronage and new services; and
- Maintain or reduce general traffic levels.

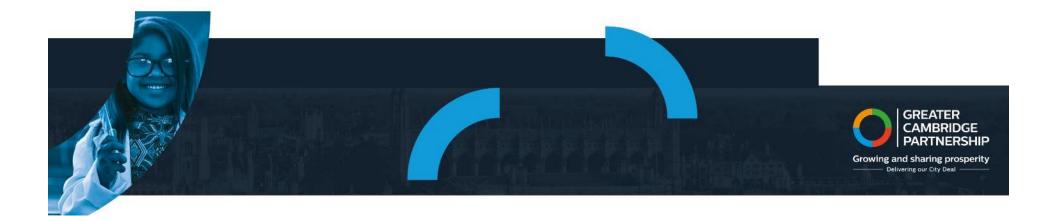


Programme and Timescales





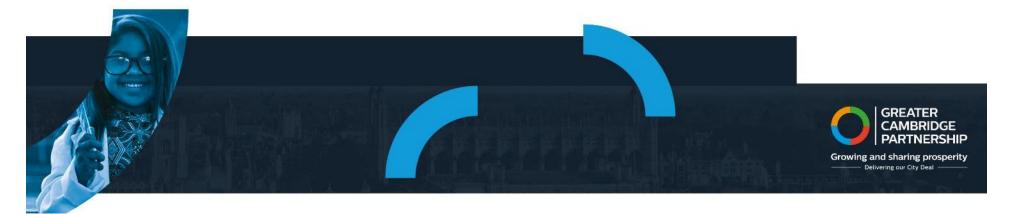
• Preferred Option Design by May 2018 ready for June/July Assembly and Board Meeting



Design Workshops / Groups / Engagement

What has been happening

- Assessment of 2 way cycling Identifying a design direction
- Bus stops and crossings (Workshop)
- Trees and Landscaping (Workshop)
- Elizabeth Way roundabout (Design Meeting)
- Mitchams Corner to Elizabeth way narrow section (Design Meeting)
- Mitcham Corner (Design Meeting)
- Bus lanes (Design Meeting)
- Individual Discussions with shop owners (Arbury Road area)
- Cycle Forum
- Officer meetings (signals/safety/cycling)



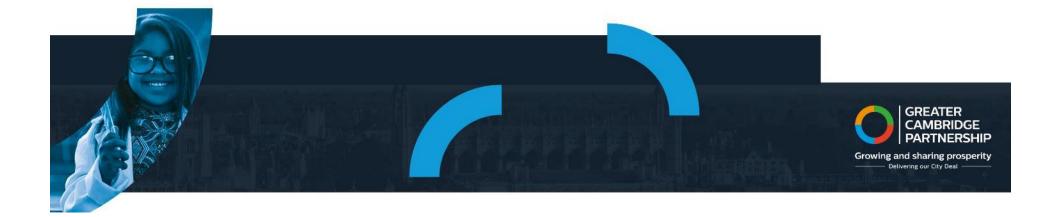
Design Direction: Assessment of Cycle Provision

Developing the Final Concept

A full assessment of a two way cycleway along the full length of the outbound side of Milton Road was undertaken. This highlighted a number of problems in being able to deliver this concept safely.

The most significant issues identified was the inability to provide Copenhagen style crossings at side roads. Which was supported by additional ATC surveys to identify level of traffic off each side road.

This has led us to a slight variation of the Final Concept, in order to provide the best balance of pedestrian and cycle provision



Design Direction

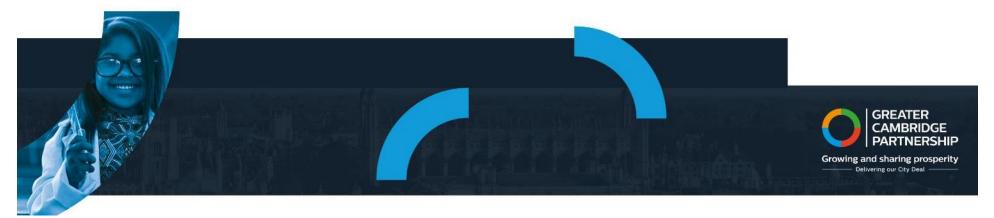
Developing the Final Concept

Lengths of two way cycleway in the final concept will be re-allocated as 2m unidirection cycleway and 3m shared use path.

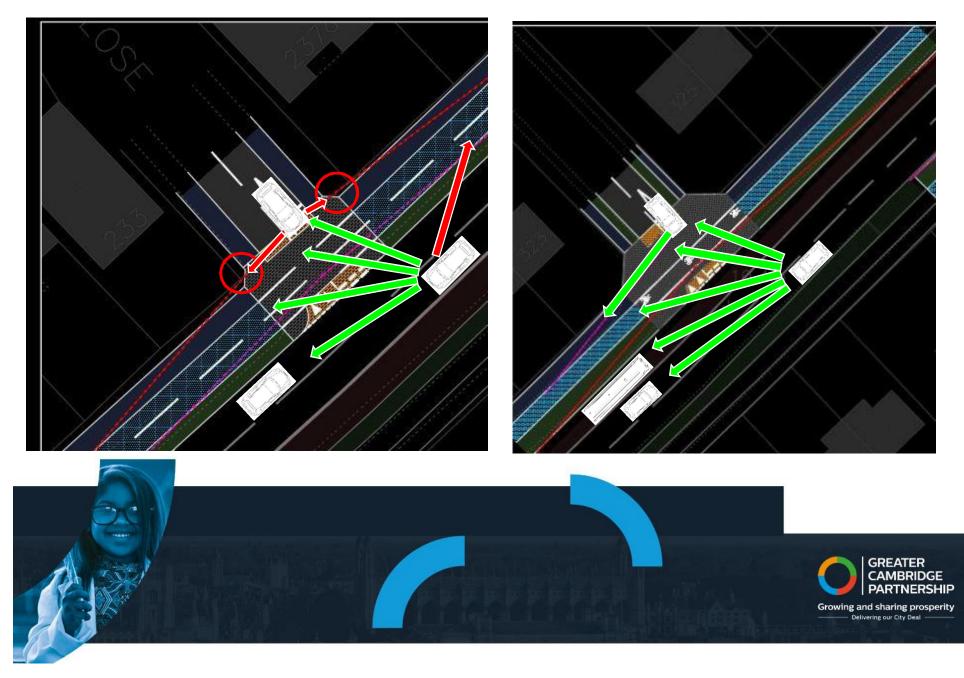
This will facilitate the use by school children, ensuring that they have an ability to cycle both ways on the outbound side of Milton Road. It will also enable priority for cyclists, traveling with the direction of traffic, at side roads.

Contraflow cyclists using the shared use path will be required to give way at side roads for the reasons of safety.

This solution is felt to offer the optimal provision and safety for all standards of cyclists.

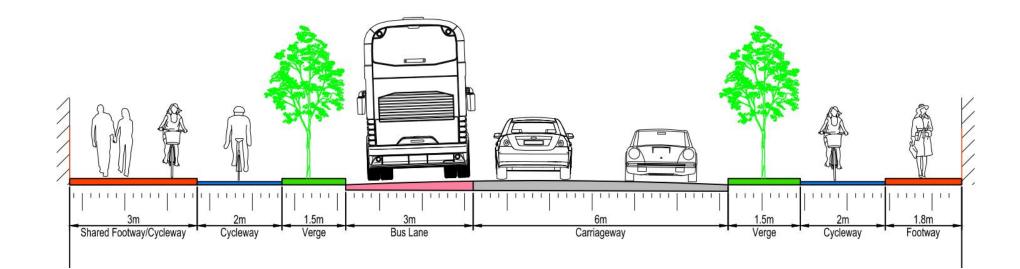


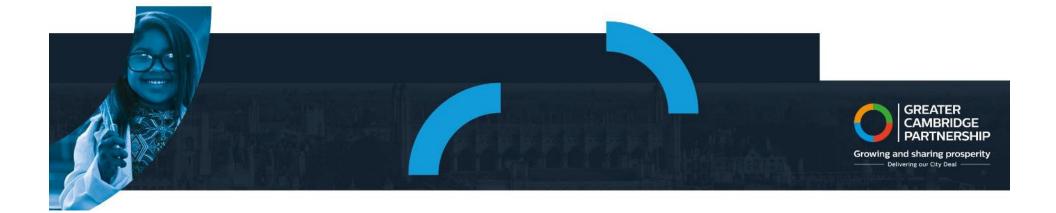
Design Direction: Assessment of Cycle Provision





ELIZABETH WAY APPROACH





Summary of Workshop and Design Group Outcomes



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Bus Stops and Crossings Workshop

<u> Task 1:</u>

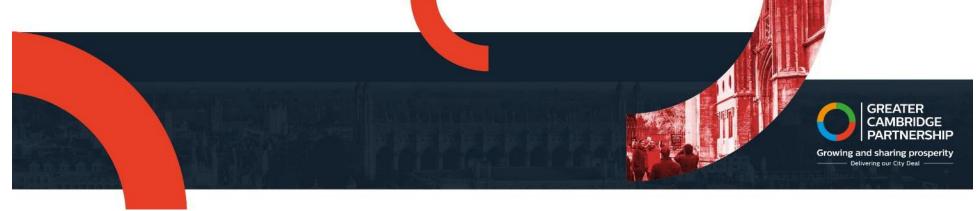
Identify preferences for bus stop designs relative to:

- (a) Ranking preference between 4 possible bus stop designs on the narrower sections of Milton Road (*3.5m to 4.5m width*)
- (b) Ranking preference between 6 possible bus stop designs on the wider sections of Milton Road (*4.5m to 6m width*)

<u>Task 2:</u>

Based on location plans of the Final Design Concept for Milton Road:

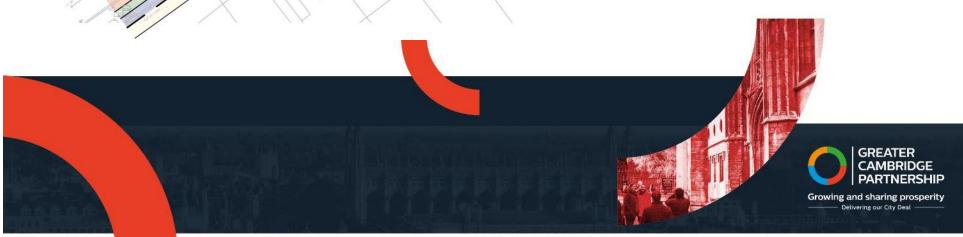
- Identify preferred locations for bus stops and crossings along Milton Road
- Provide reasons to facilitators for decisions on locations (*for example closeness to local school etc*)



Wider Section Bus Stop Preference: Floating Bus Stop



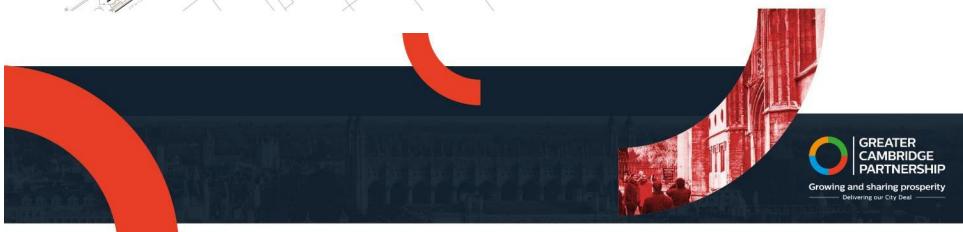
- Segregated space for ped, cycle and bus users for cycle, Each has their own dedicated space
- Cycle users have priority in cycle lane so bus users need to check and give way when alighting bus and crossing to pavement
- Only possible to deliver in wider sections
 of Milton Road
- Cambridge example can be found on Hills Road



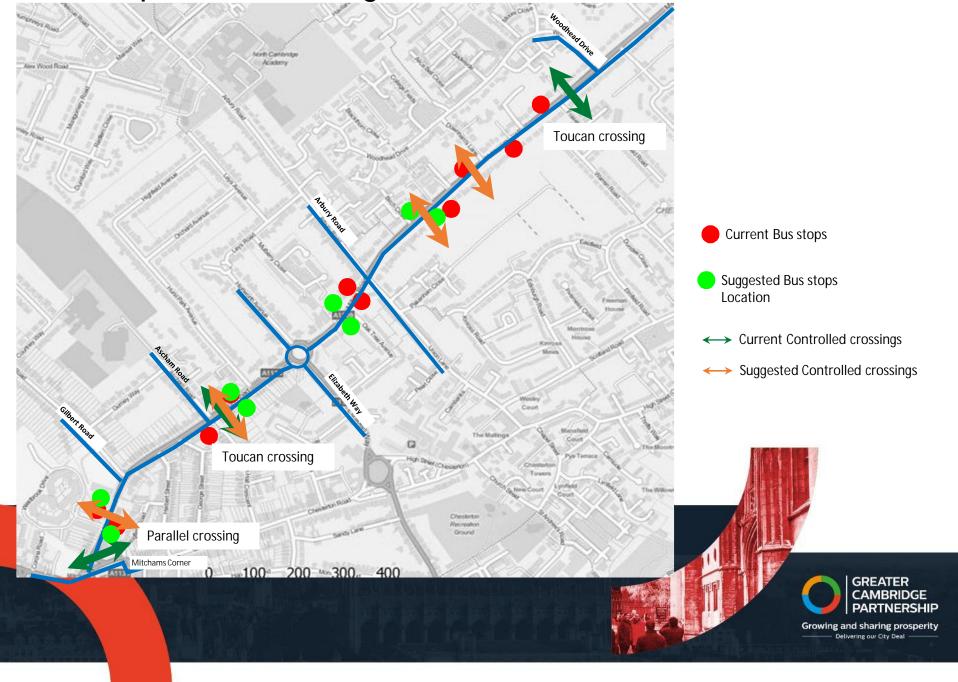
Narrow Section Bus Stop Preference: Peds Give Way to Cycle



- Segregated space for ped, cycle and bus users for cycle, Each has their own dedicated space.
- Cyclists have priority over pedestrians at cross over point
- Need to be mindful of potential safety issues of moving cycle lane to back of highway boundary if driveways are present
- Can be accommodated in narrow section where floating bus stop not possible



Bus Stops and Crossings



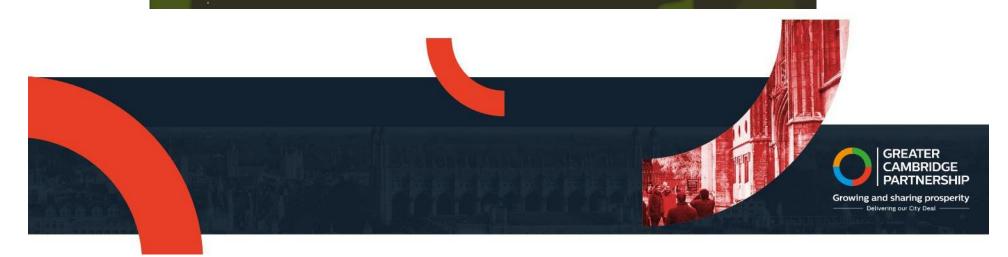
Bus Stops and Crossings



TASK 1

Identify preferences for Tree types along Milton Road, relative to:

- (a) From 'Narrow' Tree short list. Each Group asked to select top 3 preferred tree types (South of Arbury Road Junction)
- (a) From 'Wider' Tree short list. Each Group asked to select top 2 preferred tree types (South of Arbury Road Junction)



NARROW TREE SELECTION

Chinese Birth



Himalayan Silvch











BROAD TREE SELECTION

Lime

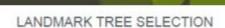


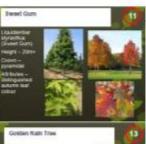














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Summary of Trees Outcomes

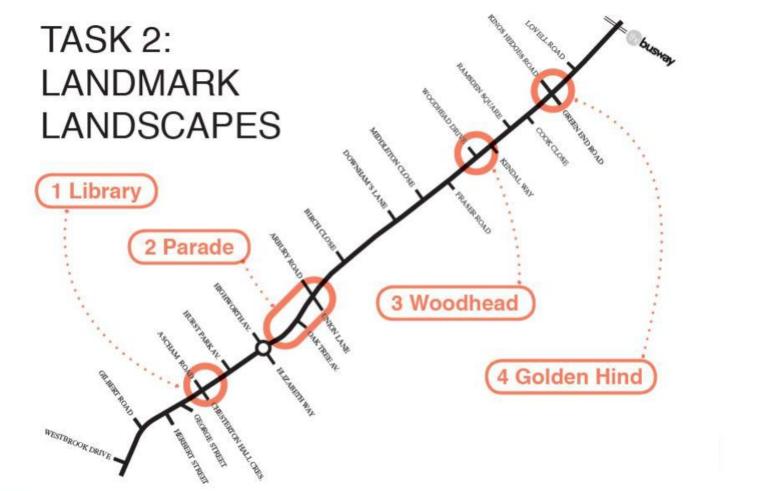
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Wide Sections – (two species)
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Tulip Tree and Silver Lime were the most popular choice from those put forward.

Narrow Sections (3 species)

Ornamental Pear was the most popular choice, followed by Flowering Cherry and then Grey Alder/Himalayan Birch





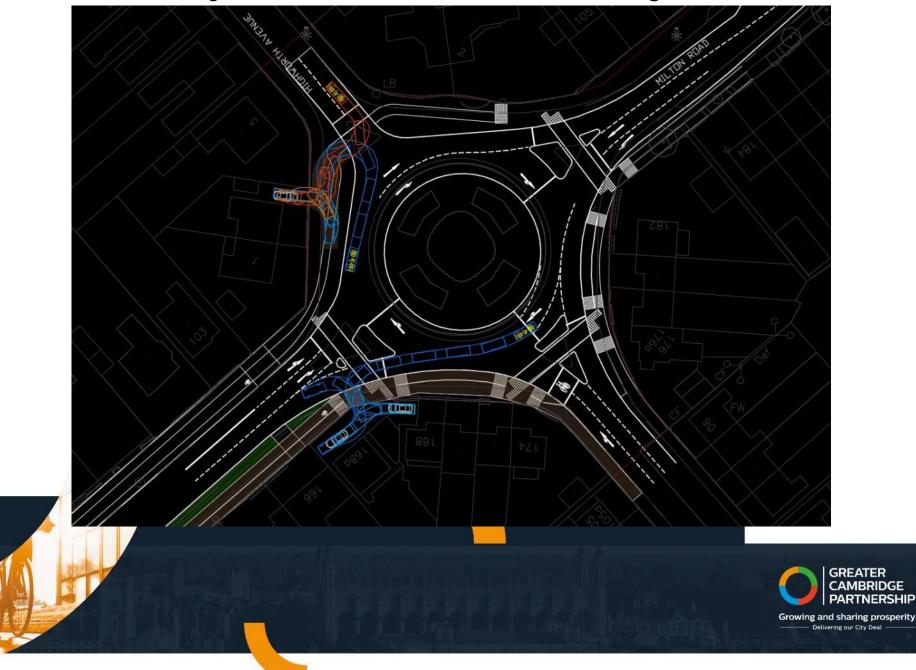




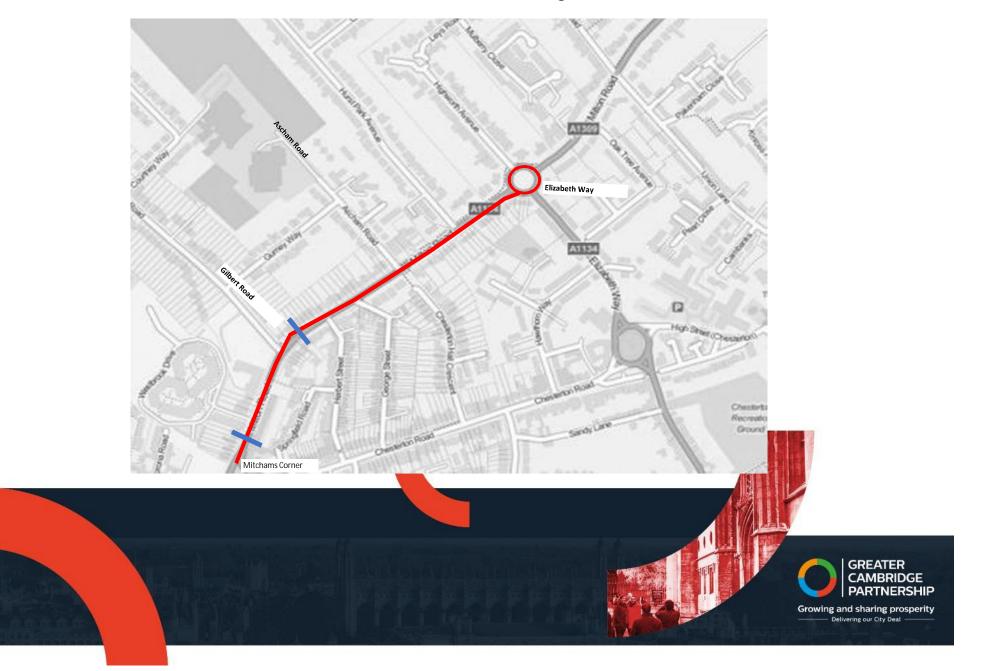
Elizabeth Way Roundabout



Elizabeth Way Roundabout – Work in Progress

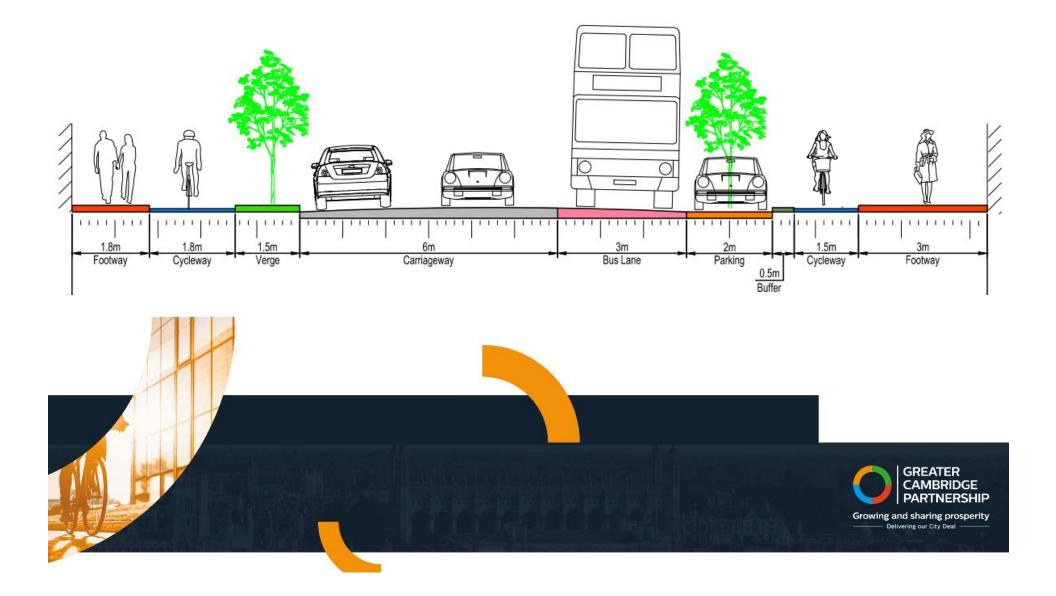


Mitcham's Corner to Elizabeth Way - Narrow Sections



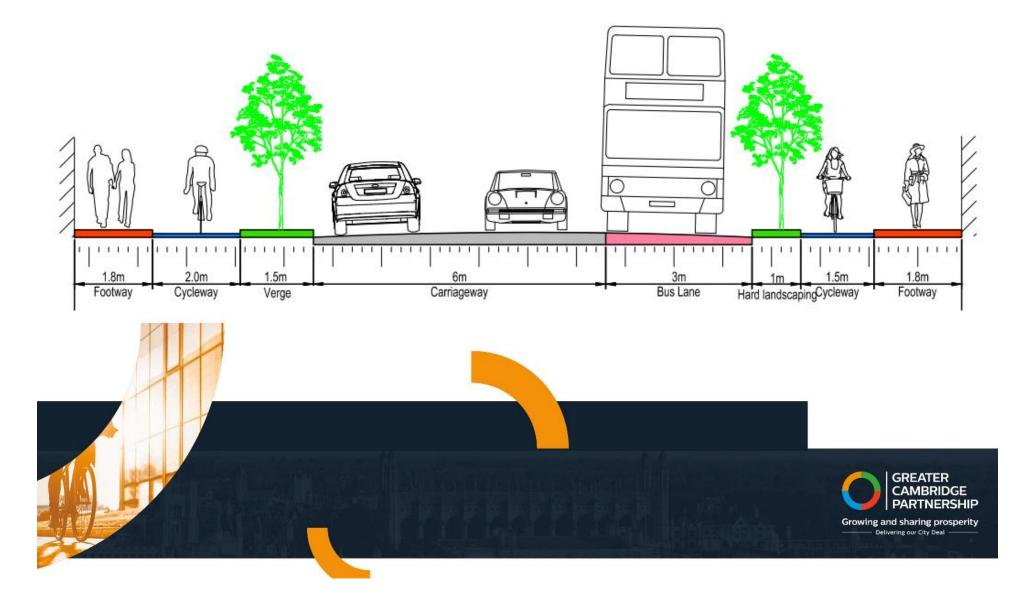
Narrow Sections

LEAVING MITCHAM'S CORNER



Narrow Sections

LEAVING GILBERT ROAD



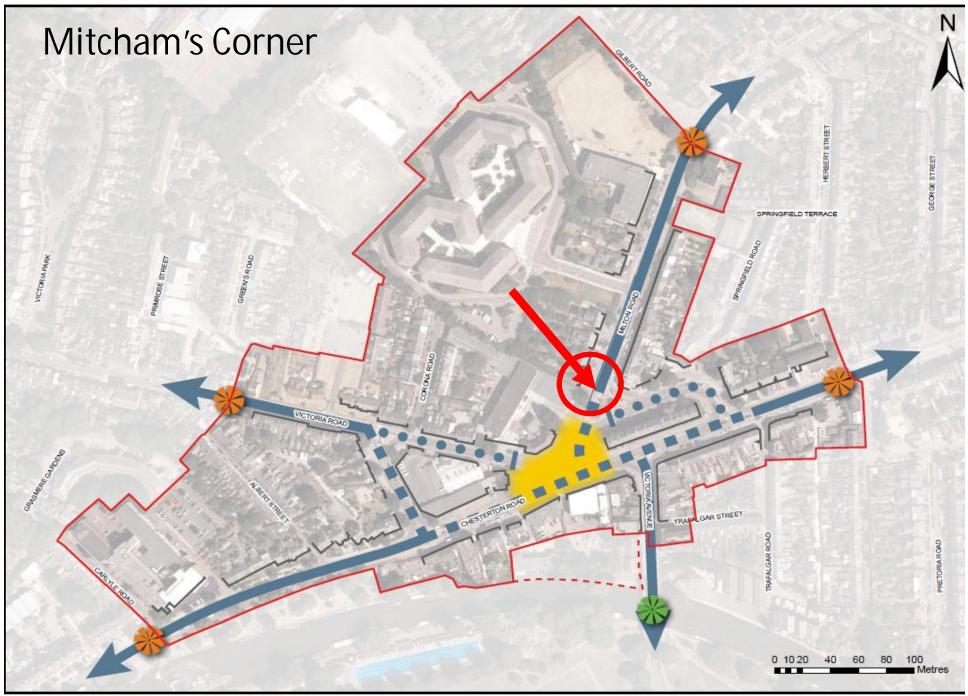


Figure 27: Preferred movement option for Mitcham's Corner

Bus Lanes

- Discussed each section of bus lanes with LLF attendees and design team
- Inbound bus lane approaching Gilbert Road junction. Agreed within detailed Design Group to review how this interacts with Ascham Road crossing in order to improve safety.
- Long section from Kings Hedges, inbound approach it was discussed that this would be reviewed in terms of length. We need to assess this in terms of final junction designs and implications on traffic flow.
- Camera controlled enforcement was supported.
- Signals team gave strong preference for bus detection at junctions over bus gates
- Loading restrictions during peak hours was discussed. Some support for a 24 hour ban on loading . This is still being considered in more detail.



Shopping Area near Arbury Road



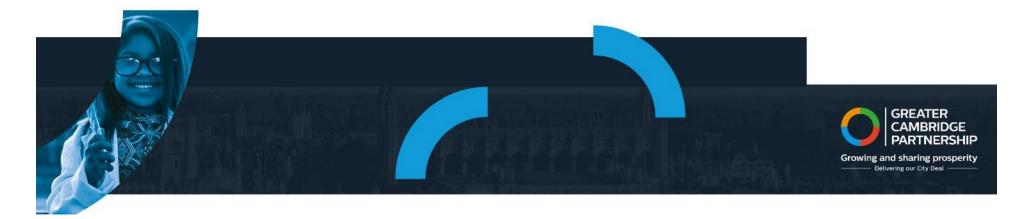
Next Steps



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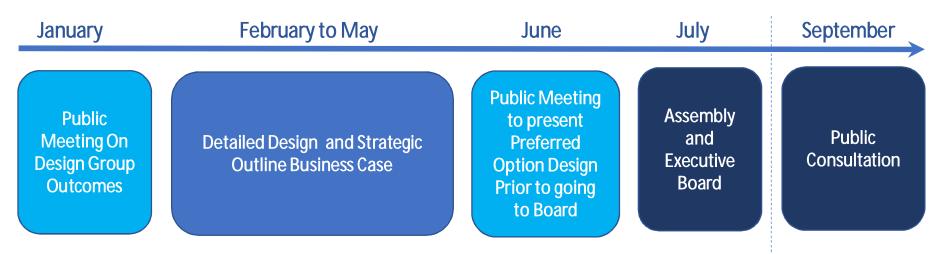
Next Steps Continued Development of the Preferred Option:

- Extensive work is taking place with the Signals and Safety team to ensure the junction designs are both safe and function correctly.
- Further residential surveys on parking requirements following onsite dropped Kerb Audit
- Parking survey to be undertaken and mitigation measures to be developed.
- Ongoing development of landscaping ideas (as captured at the workshop), including the main shopping areas on Milton Road
- Strategic Outline Business Case (SOBC) for scheme to be developed

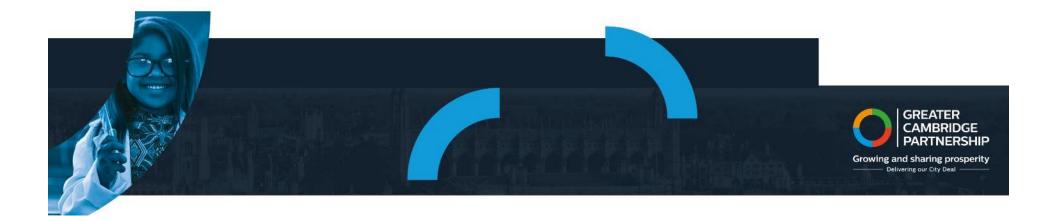


Programme and Timescales





• Preferred Option Design by May 2018 ready for June/July Assembly and Board Meeting



Discussion



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