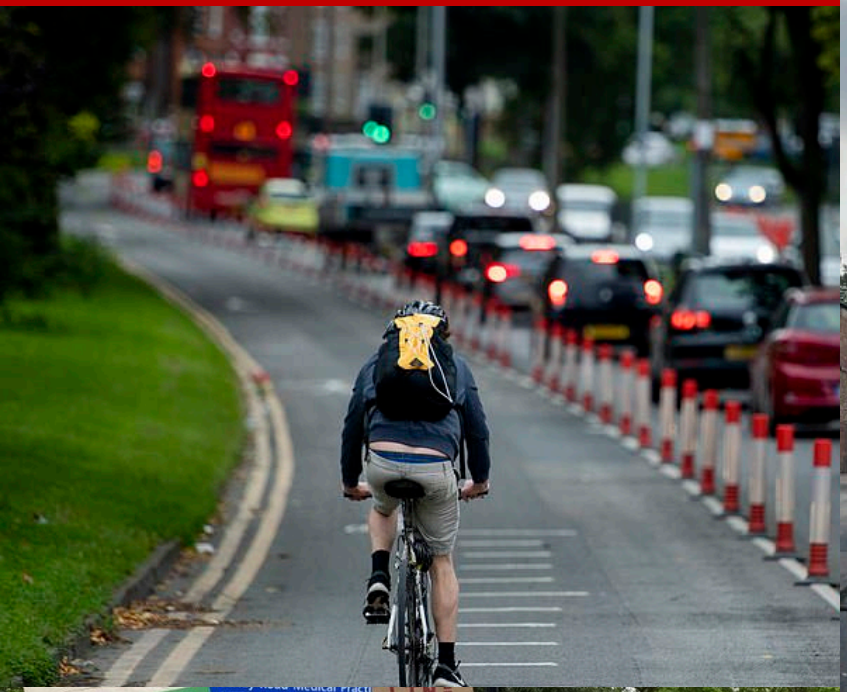
Co-designing the 15-Minute City

Dr Alex Nurse
University of Liverpool

‘Bikelash’



NO TO LTNs
Bartlemas Surgery
ST. BARTHOLOMEW'S
MORE QUEUES
MORE IDLING
MORE EXHAUST
MORE EMISSIONS
MORE POLLUTION
SAY NO - LTNs
WE ARE ROAD USERS!
STOP THE LTN MADNESS
Carer's struggle to meet needs of Disabled Community STOP LTN'S
Residents & Businesses Together We Stand
NO TO LTNs

HIGHWAY
AINTENANCE
LINE
INTING
DE64
WHK

15-minute cities: how to separate the reality from the conspiracy theory

Published: February 17, 2023 4.19pm GMT

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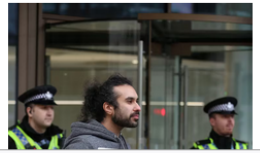
Conspiracy theories aren't a new thing, and for as long as they've been around they've ranged from the benign to the absurd. From the six moon landings being faked to the Earth being flat, or our ruling class being lizards, we've all probably come across them in one form or another.

Yet, in a surprise twist, the hottest conspiracy theory of 2023 comes from an unlikely corner: town planning. This relates to the idea of "the 15-minute city" and has even gone so far as to be mentioned in UK parliament by an MP who called the idea "an international socialist concept" that will "cost us our personal freedom".



As town planning academics who have published research on 15-minute cities, we know this is nonsense. But what actually is the 15-minute city? And what's the fuss about?

Authors

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Disclosure statement

Alex Nurse has received funding from EPSRC-funded DecarboN8 to analyse how traffic data can be used to co-design 15-minute cities with local residents, and the local impacts of cycling and walking interventions.

Alessia Calafiore has received funding from the University of Liverpool's Partnership, Recovery and Resilience Fund to analyse

Highlight All Match Case Match Diacritics Whole Words

My Inbox
MOE'S BAR

The Core Question…

How can you abstract the reasonable from the unreasonable?

A multi-disciplinary team

- University of Liverpool
  - Spatial designations of 20-minute cities (Research England)
  - Analysis of EATF Tranche 1 (DecarboN8)

- Liverpool John Moores University
  - Remote sensor monitoring of key active travel corridors (ERDF)

Objectives

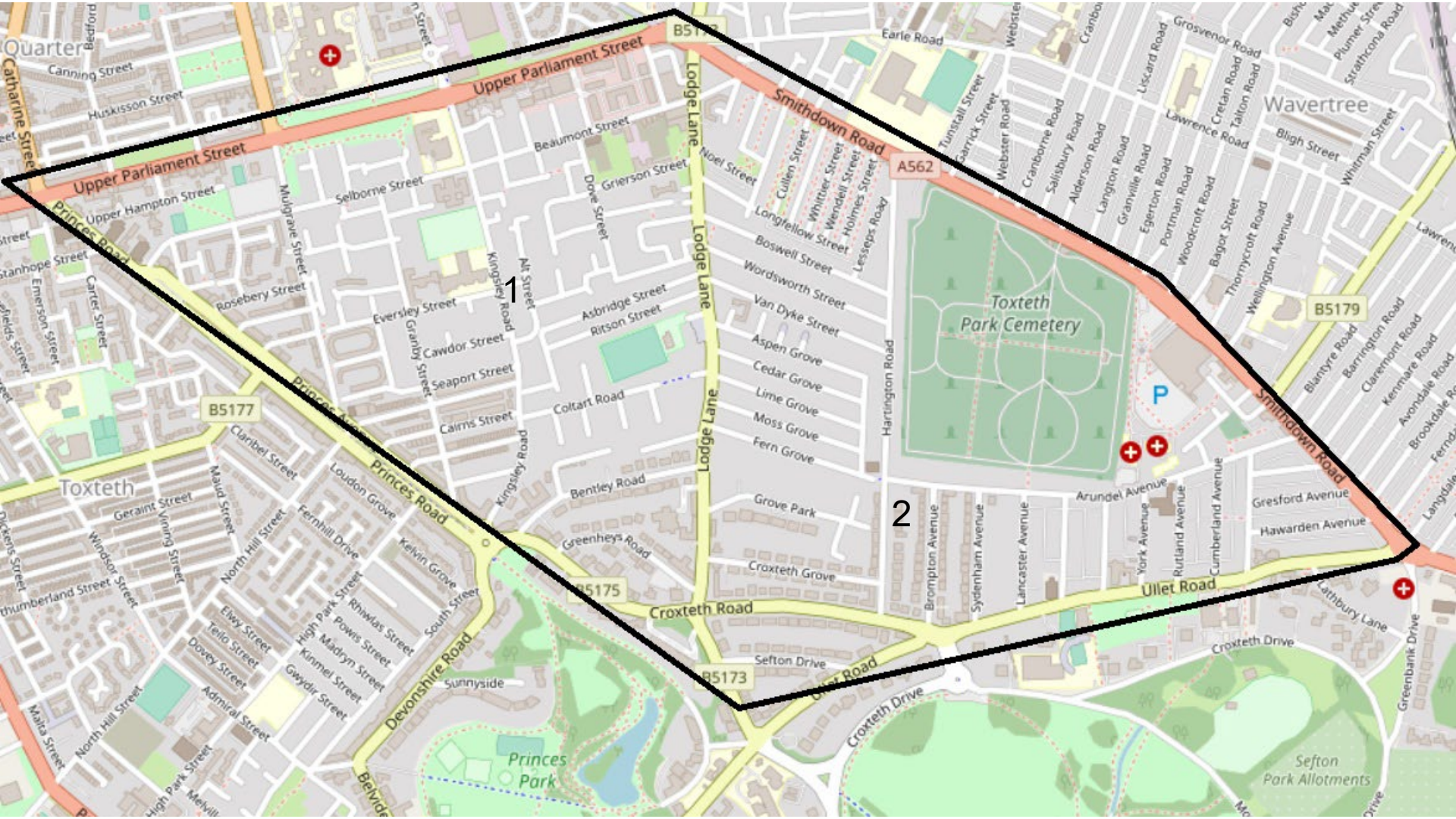
- *To use real-time sensor data to understand patterns of movement of residents at specific locations within a neighbourhood and how they use active travel (i.e. walking and cycling) to achieve their daily needs*
- *To work directly with local residents to understand the motivations behind those movement patterns and, by extension, planned improvements/changes which might be required; and*
- *As a result, understand the role of data analytics in community planning to co-design the interventions required to make their neighbourhood a 15-minute city which reflects resident's daily activities.*

A two part project

- Sensor Analysis
  - Mode, Direction, Turning, Speed (+ time of day)

- Resident Co-Design workshops
  - Supported by CGI and 20-minute city data analysis

Our site


1
2
Upper Parliament Street
Smithdown Road
Lodge Lane
Princes Road
Croxteth Road
Devonshire Road
Ullet Road
Toxteth Park Cemetery
Princes Park
Sefton Park Allotments
Wavertree
Toxteth
A562
B5177
B5175
B5173
B5179

The right place the [right/wrong] time?

News ▸ Liverpool News ▸ Merseyside Police

'Inconsiderate drivers' fined for parking in cycle lanes

Police have swooped on a number of vehicles obstructing newly created bike lanes in Liverpool

NEWS By Liam Thorp
11:31, 5 JAN 2022

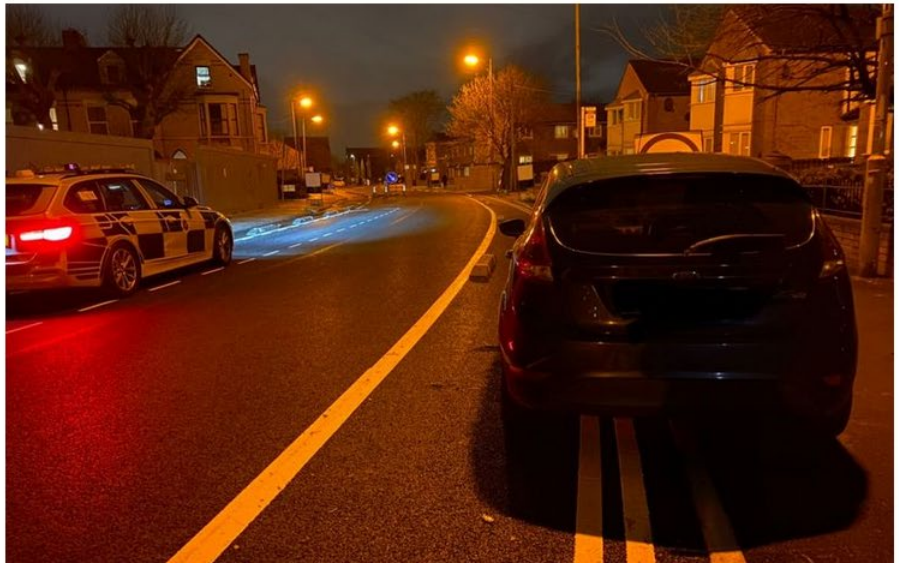
Bookmark

Comments 9

▸ Enter your **postcode** for **local news** and **info**

Enter your postcode Go

In YourArea



RECOMMENDED

Major EncroChat and conspiracy to murder trial adjourned

Driver rushed to help man seriously injured after crash

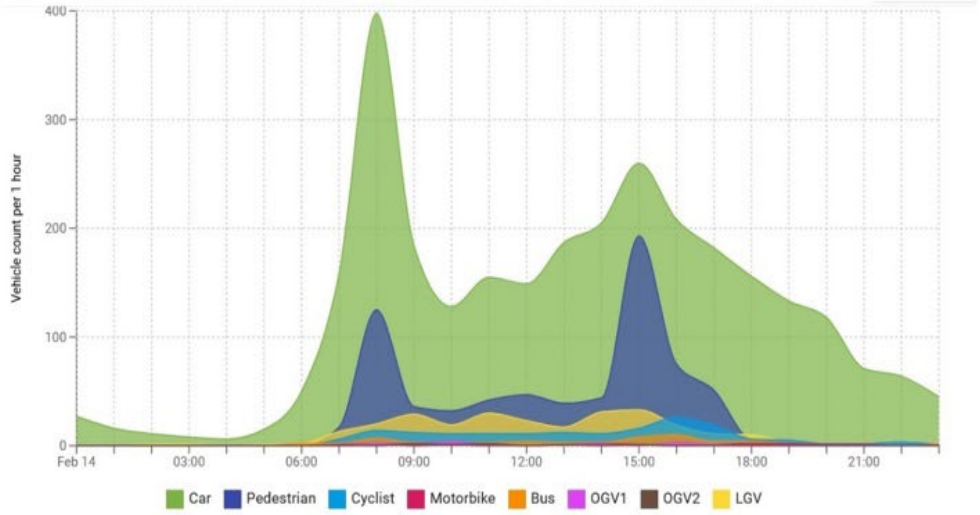
Warning as drivers urged to check small codes on back of licence

Drug dealer could have walked free but talked himself into jail

Traffic Patterns

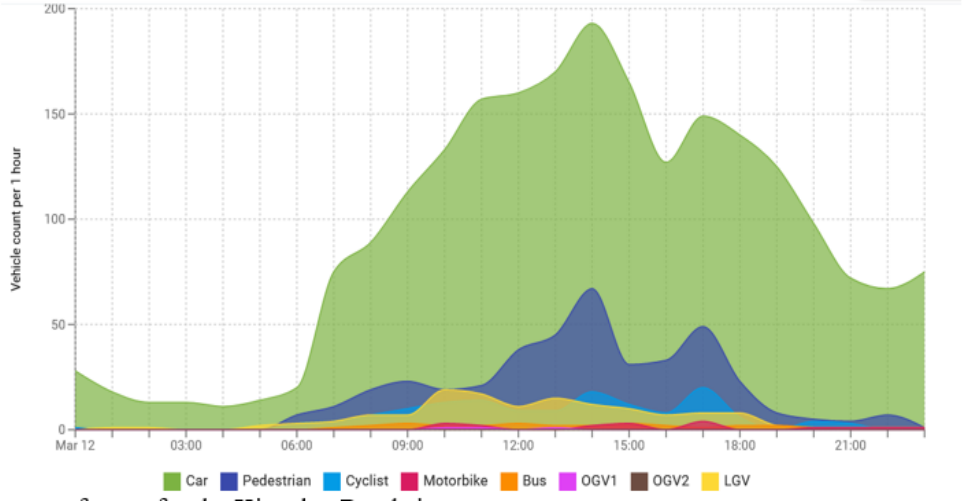
Kingsley Road Site Workday

The peak times for the Kingsley Road for cars are 8.30-8.45 am and 3.00-3.15 pm



Kingsley Road Site Weekend

The peak times for the Kingsley Road for cars are 1-4 pm for Saturday and 12-3 pm for Sunday



Usage

Hartington Road Site's Average Daily Count of 3rd of January to 27th of March 2022

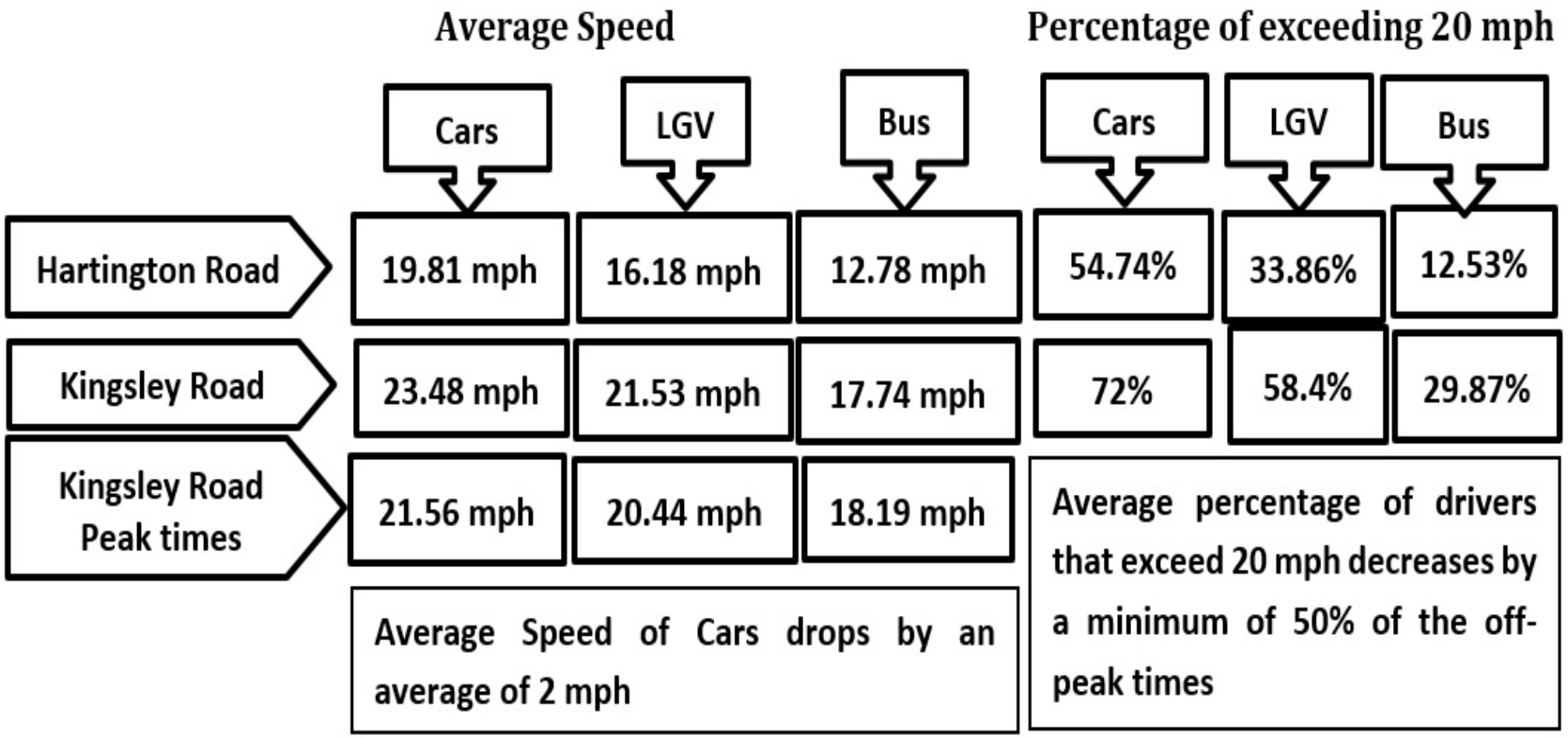
	Car	Pedestrian	Cyclist	Motorbike	Bus	OGV	LGV
Workdays	2444	526	77	20	15	7	233
Weekend	1838	447	68	18	2	1	87

Kingsley Road Site's Average Daily Count of 3rd of January to 27th of March 2022

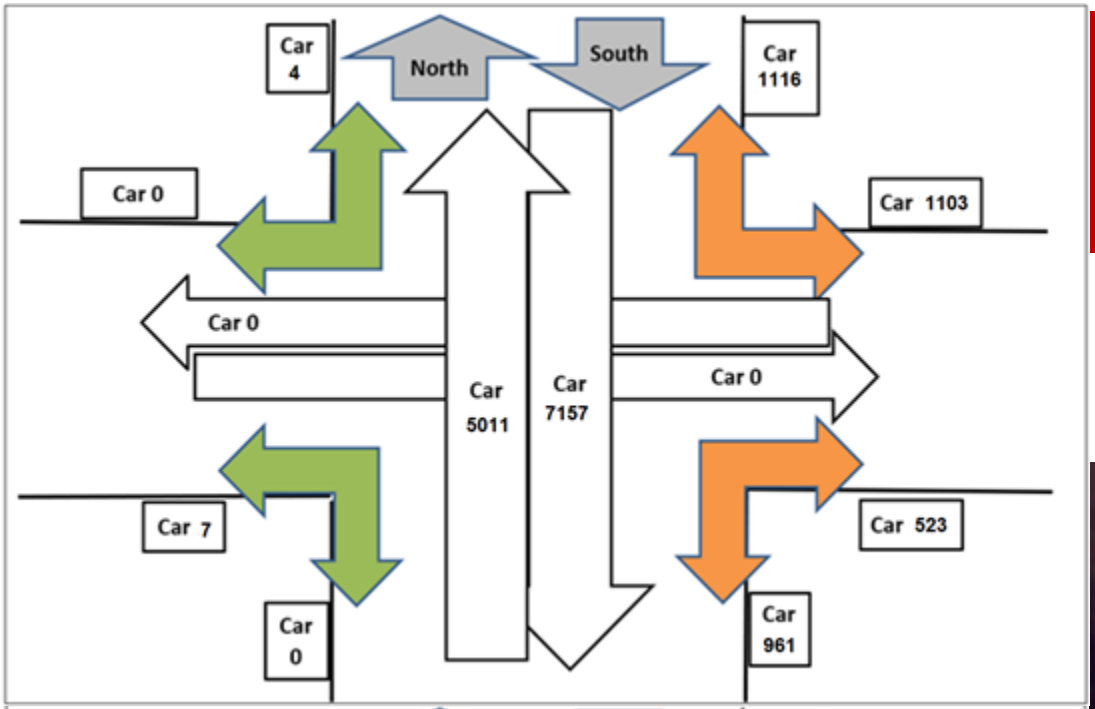
	Car	Pedestrian	Cyclis	Motorbike	Bus	OGV	LGV
Workdays	2751	705	190	18	50	14	272
Weekend	2042	333	117	13	18	2	111

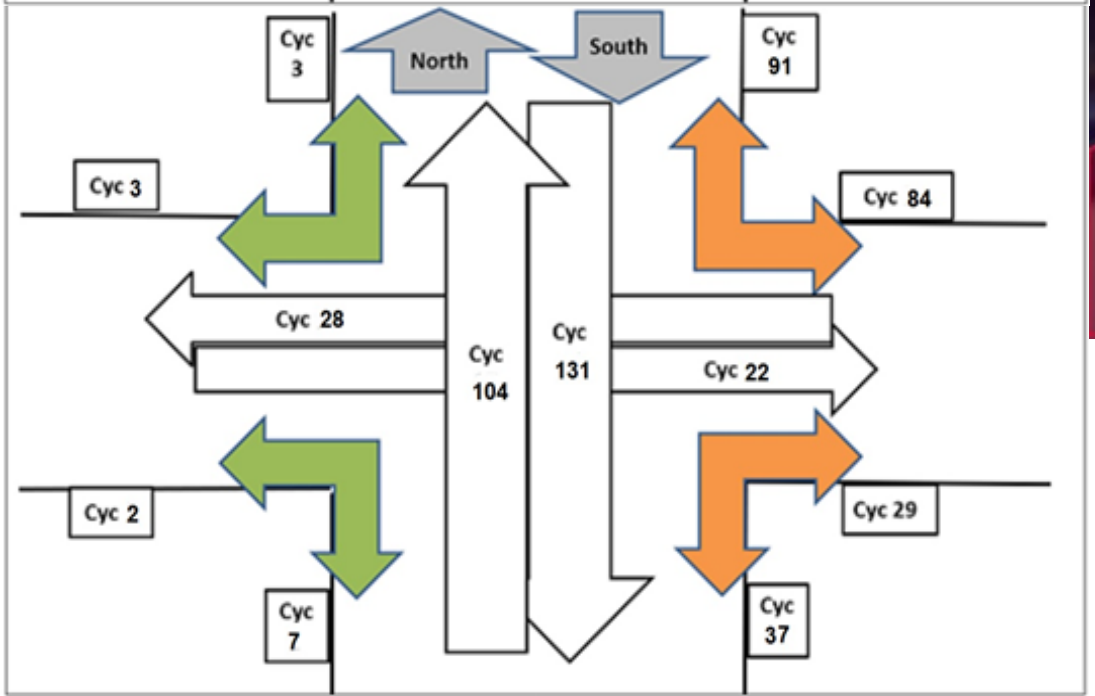
Speed…

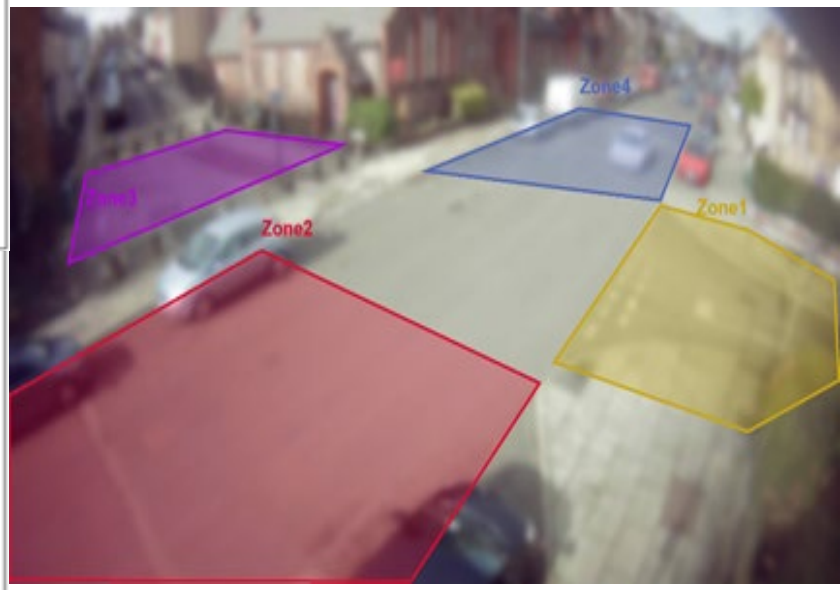
The Hartington and Kingsley Roads' Average Cars', LGVs', and Buses' speed of the period of 03-January to the 06th of March 2022



Turning


Car 4
North
South
Car 1116
Car 0
Car 1103
Car 0
Car 5011
Car 7157
Car 0
Car 7
Car 523
Car 0
Car 961


Cyc 3
North
South
Cyc 91
Cyc 3
Cyc 84
Cyc 28
Cyc 104
Cyc 131
Cyc 22
Cyc 2
Cyc 29
Cyc 7
Cyc 37


Zone4
Zone3
Zone2
Zone1

Co-Design Workshops

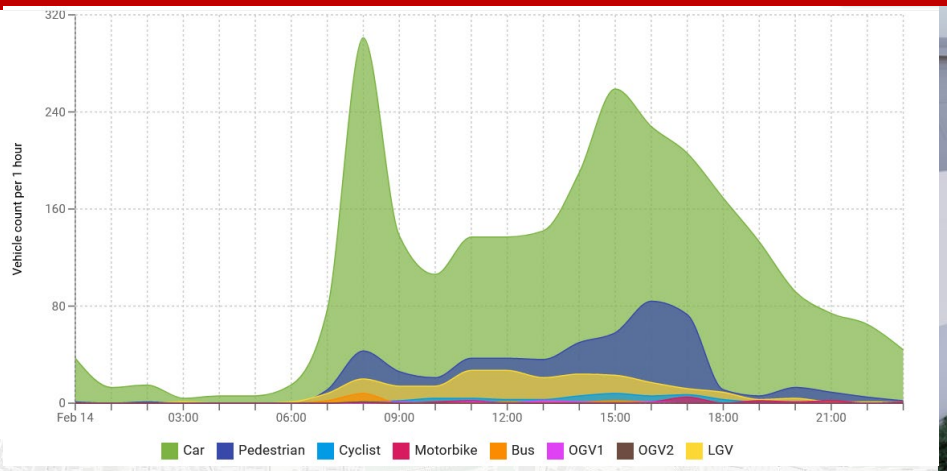
What do you want Hartington Road to be?

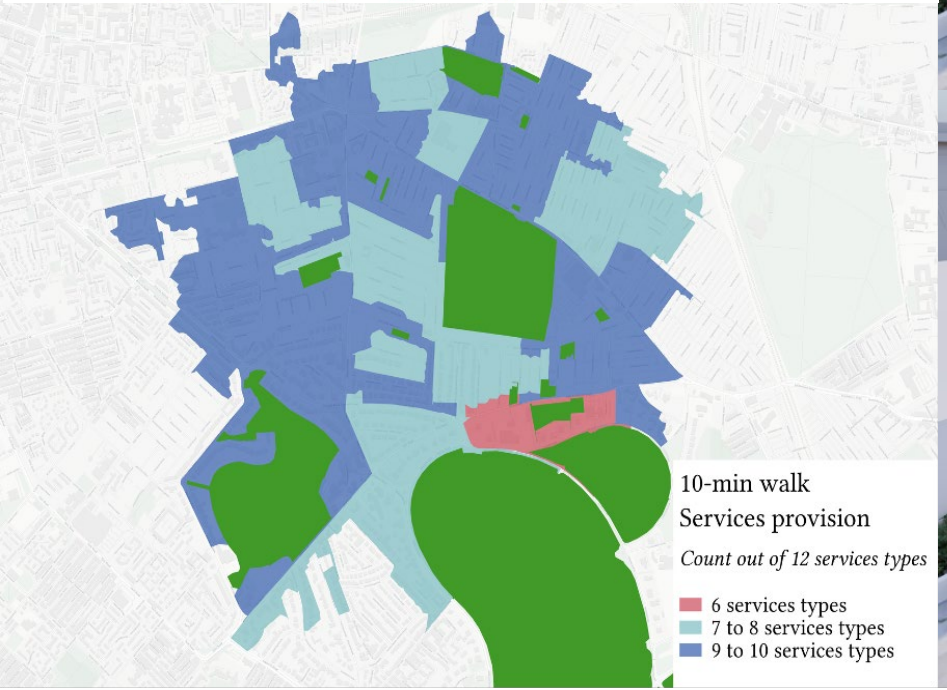
Have your say at an online community workshop

Tuesday 8th March at 7pm-8pm

Password:
Hello@123

A Sequential Discussion…





Resident Perceptions

- Litter
- Resident instincts on traffic data was *very* accurate
- [Beforehand] CGI was ‘too good’?
- *“The picture on your leaflet looks like Utopia or maybe some affluent part of Liverpool where an issue like this would be addressed asap.“*
- [During] CGI put them in the space

- Broadly in favour of intervention

Getting engagement

- Timings
- Language
- Not promising something you can’t do
- Not interfering with active projects
- Getting support from partners with other active projects (i.e. share and share alike…)

…Meanwhile back on Kingsley Road

- Sensor data turned resident views
- From 60:40 against (Meeting One)
- To 60:40 Pro (final meetings)

- Scheme retained (albeit, discussions ongoing)

- But relationship with LCC wasn't especially changed…

Core messages

The Good

- Sometimes it's about the simple things
- Trust residents to have good instincts about where they live. They care.
- Sensor data turns heads.
- CGI turns heads.

The Bad

- Lead In
- External actors…
- What can you learn from pilots?

The Complex

- Who is consultation for (whose street is it)?
- 150 houses on the street: 2400 through journeys per day

Thank You

Contact: a.nurse@liverpool.ac.uk