

# ARUP

## Polis Webinar: Mobilising Mobility

### FlexKerbs

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6 October 2020





 **RED ROUTE**  
No stopping  
Mon-Sat  
8am-7pm  
Except 8am-4pm  
 loading  
max 20 mins  
 max 3 hours





Free parking for all vehicles from Monday to Saturday between 8 am and 7 pm, with a 20-minute time limit (no limit outside those times)



Free parking for motor cars only, from Monday to Saturday between 8 am and 7 pm, with a 20-minute time limit



Free parking for solo motorcycles only, with a one-hour limit at all times









# Flexible Streets

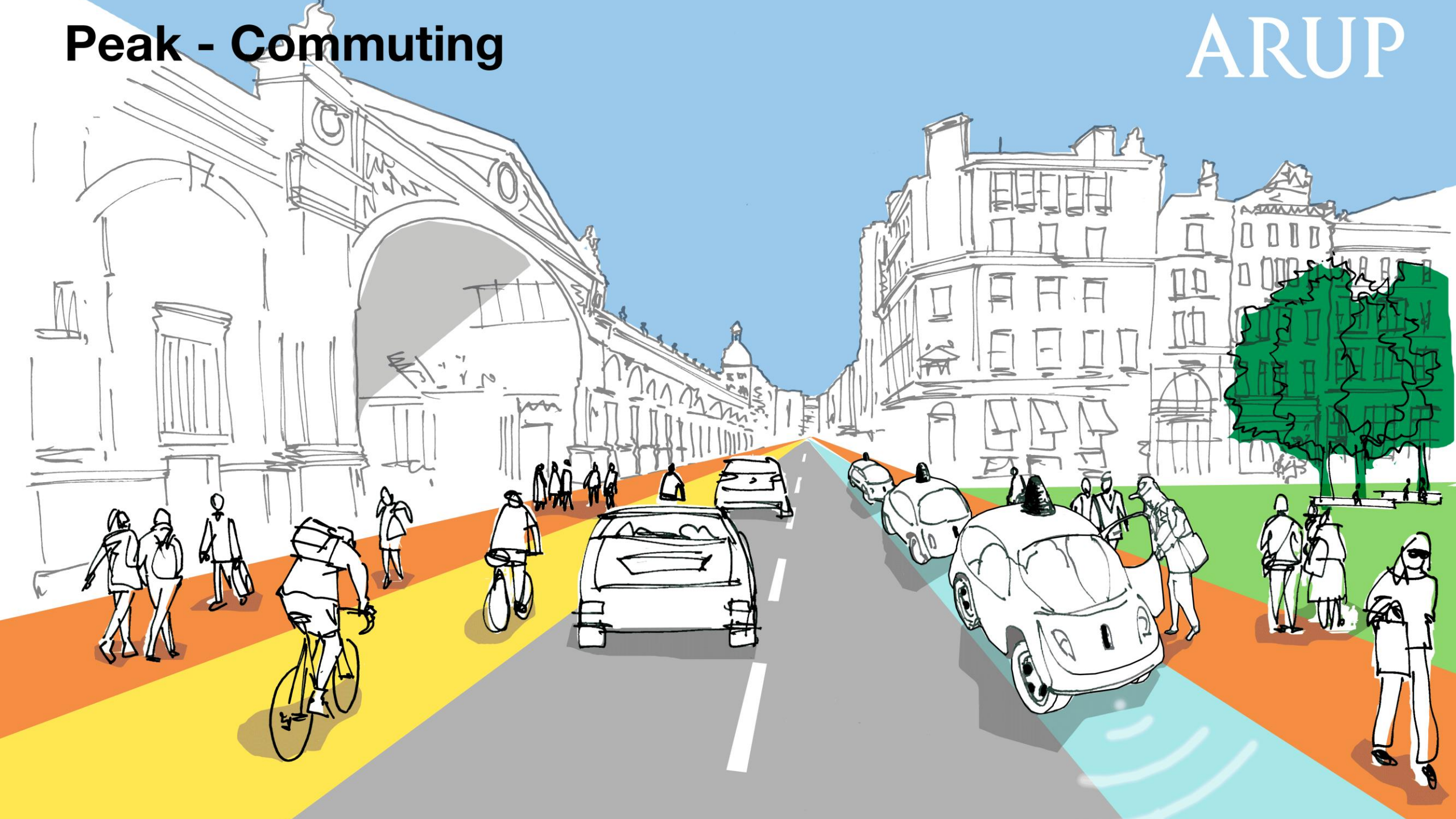






# Peak - Commuting

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## Today's Streets

City leaders need to consider how to manage the impacts of changing travel patterns in their transport planning. But the basic challenge of urban transport is still the same: there is simply not enough space in cities for everyone to travel by car.

National Infrastructure Assessment (2018)



Source: Lucy Saunders



# FlexKerbs



# Roads For The Future

“...generate practical ideas for how UK roads should be designed, managed and used to maximise the benefits of CAVs.”



## FlexKerbs: The Idea

FlexKerbs facilitate dynamic use of the kerbside to accommodate multiple users at different times of the day or week

Policy-led, demand-informed

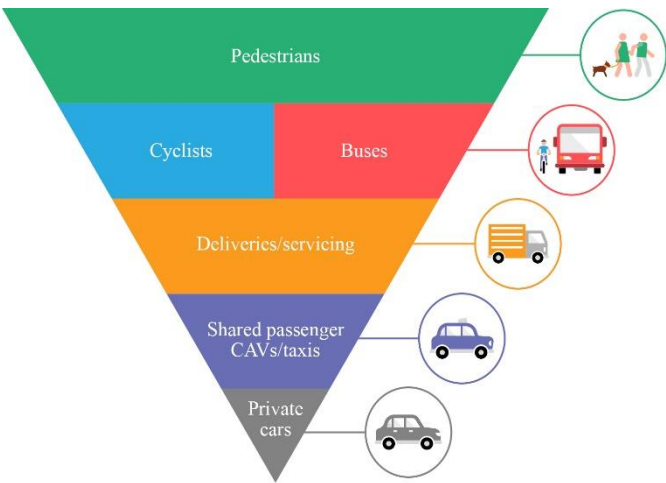
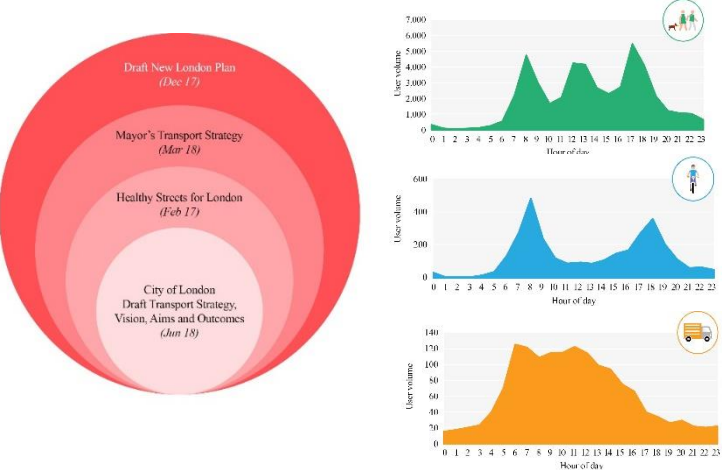


# Methodology

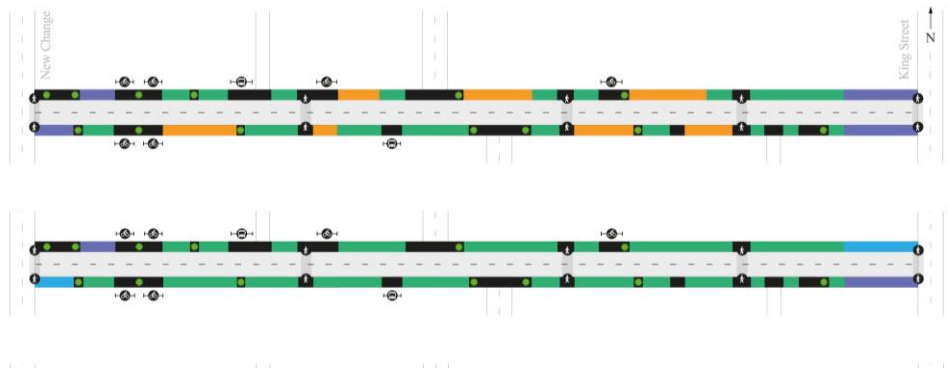
## 1. Site selection



## 2. FlexKerb inputs



## 3. Proof of concept





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**Morning Peak**



## FlexKerbs: Outcomes and Benefits

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**Wide range of benefits** for all street users including **CAVs**



Helps to achieve **local policy** objectives such as **active travel** and improved **air quality**



**Reductions** in vehicle **delay**



**Safer** and more comfortable experience for **cyclists**



**Extra-wide footway** to accommodate high footfall



More **efficient** use of kerb space



# FlexKerb Challenges



Physical infrastructure and communication



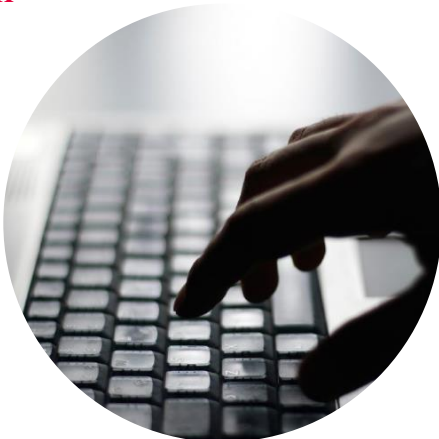
Mobility impairments



Enforcement



Charging regime



Cybersecurity



Government regulations



Funding sources

# FlexKerbs media coverage

THE  TIMES

THE SUNDAY TIMES

Daily  Mail

MailOnline

DAILY  
**Mirror**

THE  
**Sun**

FREE  
**METRO**

Transport**Xtra**

BUILDING DESIGN &  
**CONSTRUCTION**  
THE CHOICE OF INDUSTRY PROFESSIONALS

**GCR**

GLOBAL CONSTRUCTION REVIEW

**FleetNews**

**its** International

**New Civil Engineer**



HUMANISING  
AUTONOMY






# Low Traffic Streets







<https://www.arup.com/news-and-events/arup-shortlisted-in-competition-to-make-streets-fit-for-driverless-cars>

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