



# **WARWICK SUSTAINABILITY CHALLENGE**

## **PROPOSAL**

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# CONTENT



Definition of  
Sustainability

Solutions to this  
problem

Ways to implement in  
the future

# SUSTAINABILITY

## THREE PILLARS OF SUSTAINABILITY

- **ECONOMICALLY VIABLE:**

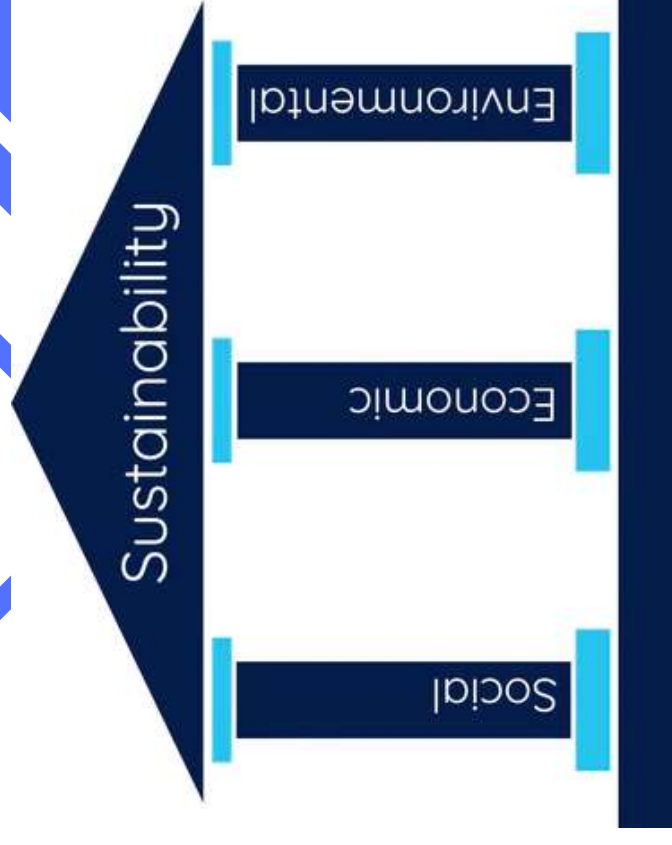
For both the city council and consumers

- **PROMOTING SOCIAL EQUITY:**

The transport system needs to be supportive of people who are less advantageous than others. Young adults who are students and do not have stable earnings are included

- **ENVIRONMENTAL PROTECTION:**

For net-zero emissions and environmental protection, public transport should reach its full potential and attract the maximum number of travellers who would otherwise use cars.



# SOLUTION

## SPECIFIC SOLUTIONS

Bus access lanes will be provided on the main road into and through the campus during peak hours (**9-11AM & 3-5PM**). Some cars will be directed to an alternative road that does not lead directly to the main campus.

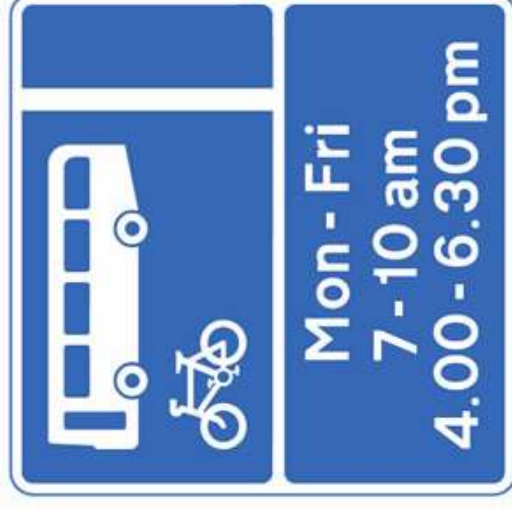
- Depending on the results of the pilot, bus lanes will be considered at a later stage for Coventry as well.

## EXPECTED EFFECT

- This will have a disincentive effect on people using cars.
- Reduction in bus delays

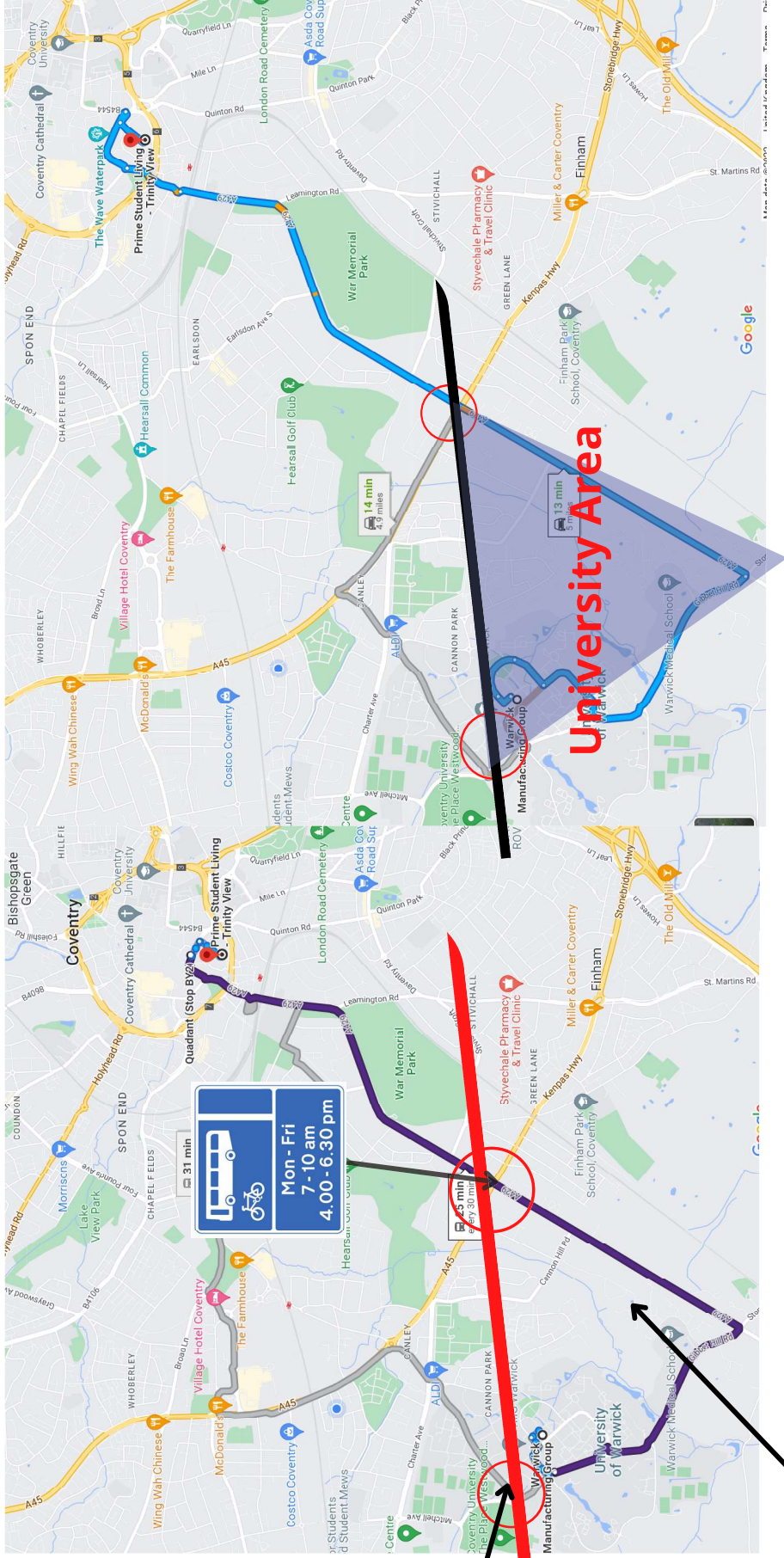
## POPULATION AFFECTED

- Students/Staff living in the City centre/RED Queen/Charter Ave/Leamington Spa
- Residents living in the Cannon Park/Canley/Charter Ave.





# Coventry City Centre-11/12X

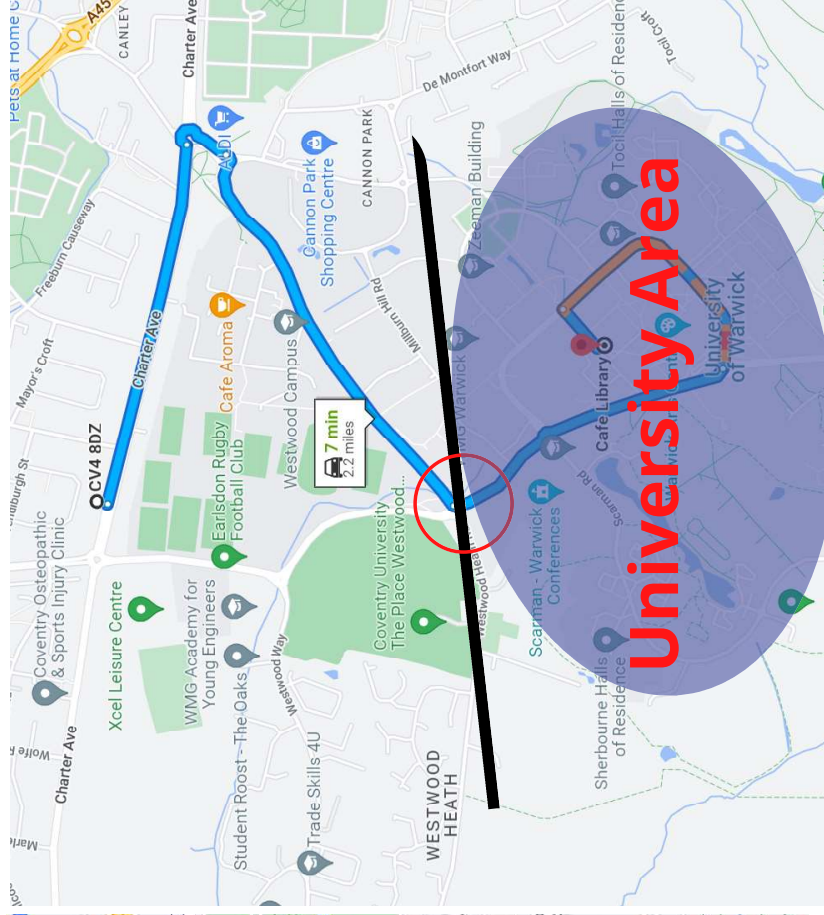
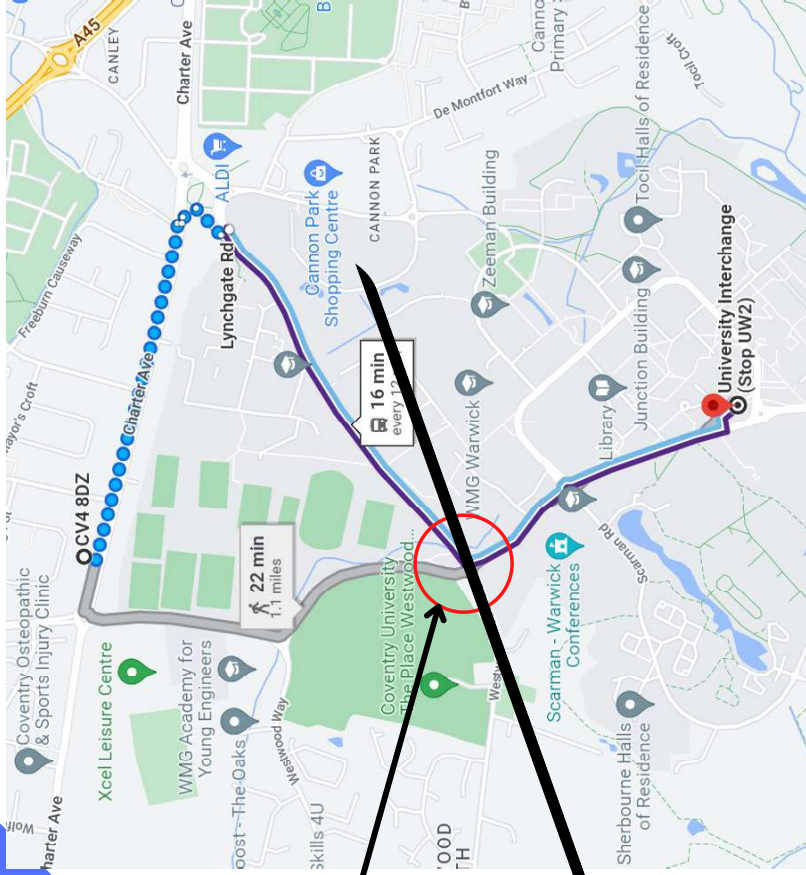


Setting up bus-only sections

Bus line

Private car route

# Charter Ave-11/18



Setting up bus-only sections

Bus line

Private car route

# SOME OTHER PLACES WITH SIMILAR POLICIES

## LOS ANGELES, CALIFORNIA

*"Bus priority lanes allow local transport companies to increase service frequency and reliability along the corridor and improve mobility by moving more people without adding more infrastructure."*

[SOURCE](#)

## NORTHERN IRELAND

*Northern Ireland has more than 50km of bus lanes, operating between 24 hours and peak hours only.*

[SOURCE](#)

## XIANGTAN, CHINA

*Xiangtan has similar public transport use (19%) to Coventry (around 70% of locals commute to work in private vehicle). Xiangtan also implements green wave technology for buses along bus lanes.*

[SOURCE](#)



# ISSUES TO CONSIDER WHEN IMPLEMENTING:

## **Signs/Road marking**

**Solution:** It's critical to have big signs that mention it's bus only lane and between what times.

## **Residents in the area**

**Solution:** permitted vehicle certification

## **Taxis/Rideshare**

**Solution:** permitted for taxis, not for rideshare ([Australian example](#))

## **Accountability**

**Solution:** penalty notice for 2nd breach, penalty charge on 3rd attempt; cameras installed on the road for evidence

## **Individuals with disabilities**

**Solution:** permitted vehicle certification

## **Motorcycles/Other vehicles**

**Solution:** not allowed

# CO-BENEFITS

## HEALTH AND WELLBEING

*increased public transport use reduces pollution, improves air quality around campus and around Coventry, therefore increasing public health and wellbeing.*

## ECONOMIC

*more efficiency of transportation, faster commuting time, more reliability for public transport, reducing costs for transport*

## SOCIAL

*increase safety on campus and around it with less vehicles on main road, reduced travel time for users.*

**BUS RIDING REDUCES EMISSIONS OF CO<sub>2</sub> PER PERSON/KM BY 39-45% COMPARED WITH USING PERSONAL CAR (DIESEL/PETROL). [SOURCE]**

## **SUPPORTING EXISTING SUSTAINABILITY POLICIES**



**Support University's Environmental Policy, in particular: "Encourage and facilitate sustainable modes of transport to, from and within the university."**



**Support the Transport Future and Mobility goals @Warwick: "Reduce single occupancy vehicles trips to and from campus."**



**Supporting Coventry Council with Transport Strategy: "improving roads to ease congestion to helping residents plan their journeys through better information."**

