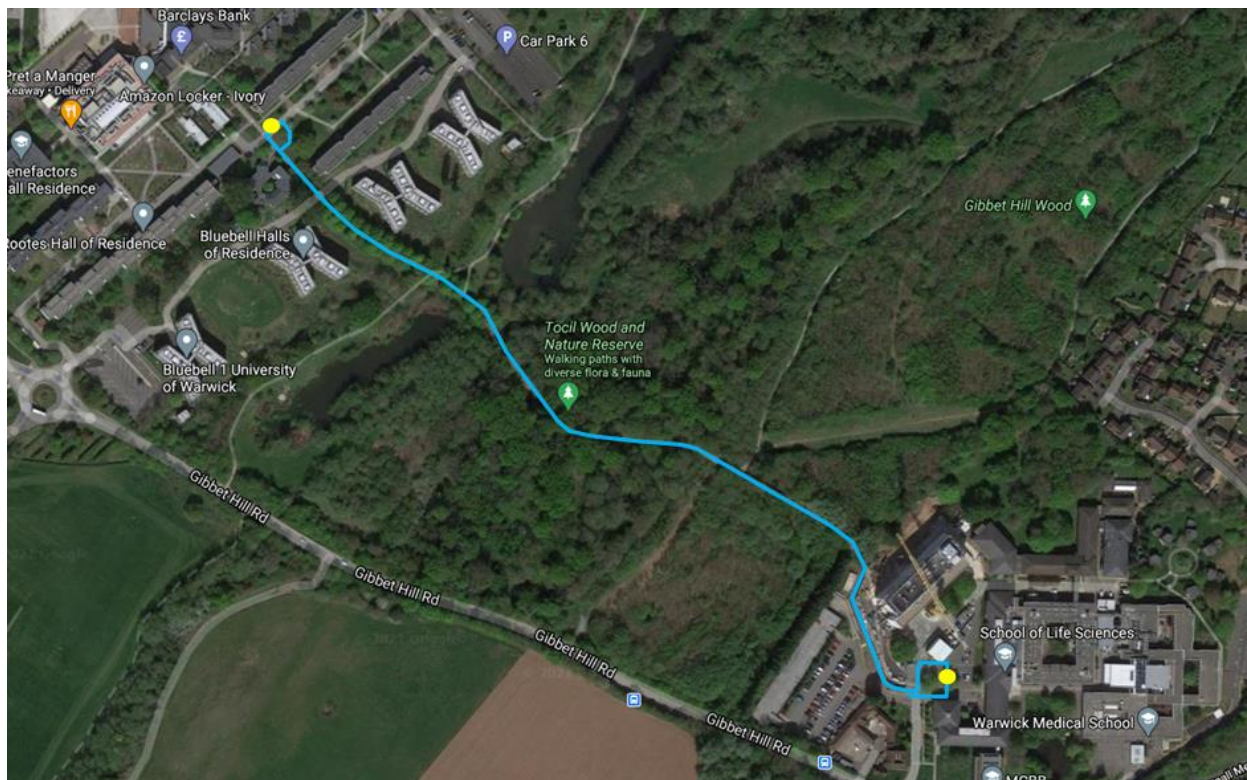


## Midlands Future Mobility Driveable Route:

### Urban, Inter-urban, Rural and Highways Route Sector Overviews

Route Name/ID:	University of Warwick Campus. Low Speed Autonomy Route: Tocil Woods Path to Gibbet Hill Campus
Location:	University of Warwick, Coventry, West Midlands, CV4 7AL. United Kingdom (UK)
Road Authority/Land Owner:	University of Warwick (private land).
Route/Sector Length:	0.67 km (~0.4 miles)
Suitability:	Suitable for low-speed connected and automated vehicles designed to operate in shared space environments
Examples of other road user (not exhaustive):	Pedestrians, cyclists, e-scooter riders, vehicle traffic e.g. passenger cars, motorcycles, light and heavy goods vehicles, site traffic etc.

Route/Sector Map:



- Route
- Route start/end point

**Route/Sector Description:**

The University of Warwick Tocil Woods Path to Gibbet Hill Campus Route for low speed automated vehicles has been designed as an interlinking transport route for goods and people between the Central and Gibbet Hill Campuses.

The route, between the Rootes student accommodation blocks and the Gibbet Hill Campus car park, measures 0.4 miles (0.67km) in length. A site speed limit of 20mph is in force for Central Campus main roads, which reduces to 10mph in certain areas.

The pedestrian, cycle and other road user traffic on these paths and roads is very time of day dependent, with factors such as staff commuting hours, student lecture start/finish times, lunch, on campus events and latterly, COVID-19 restrictions, all influencing the level of pedestrian and cycle movement on campus. This path is also heavily used by local residents, walkers (including dog walkers) and other visitors. Under normal circumstances, peak movement times are expected to be between 08:00-09:30, 12:00-13:00 and 16:00-17:30.

**Route Complexity:**

The route is located on a publicly accessible University Campus and as such is a shared space that is heavily used by a range of other road users. The route surface is level asphalt (tarmac) throughout, with predominantly sweeping bends together with turns of up to 90° at either end of the route. There is a bridge crossing approximately halfway along the route. The bridge has a weight limit of 2T maximum gross weight. There are no lane markings present on the route.

Features of note include:

- Raised 'Pod Stops' and turning circles at each end of the route for passenger access/egress (includes a hatched parking area at the Gibbet Hill Campus)
- Vehicle passing places along the route

The end-to-end gradient change is more significant when compared to the Showcase Route, with steeper sections in places e.g. at the Gibbet Hill Campus end of the route. Signage and road markings have been installed to notify users that it is a shared space and to adjust speed accordingly.

There is a large wildlife population on campus. For this route, wildlife such as birds (e.g. Canadian Geese) should be expected throughout.

**Connectivity and Key Infrastructure:**

Infrastructure has been installed along this route as part of the Midlands Future Mobility Programme, to support the safe trialling and operation of low speed autonomous vehicles through additional monitoring of the trial activity. This includes the following:

- End-to-end dedicated Closed Circuit Television (CCTV) coverage, with subject tracking, secure data storage and redaction software.
- A Control Room for monitoring of the vehicle on trial via the CCTV and communicating with the trial team
- Dedicated radio communications, with base units in the Control Room and portable handheld radios.

There is good cellular coverage on campus and a BT 5G network, the latter of which can be used for research purposes. Radio coverage is good, both locally between handheld units and from the Control Room base unit to handhelds on the route.

Customers can access a full LIDAR (Light Detection and Ranging) scan of the route and photogrammetry data.

**Comments/Further Information:**

Vehicle charging and storage facilities can be made available on campus.

The Met Office regional climate information for the West Midlands can be found [here](#).