

Cambridge Biomedical Campus - ANPR operational overview - 2022

The development of the Cambridge Biomedical Campus required the introduction of an ANPR camera system to support the enforcement of prohibition of driving on roads named in the local Traffic Regulation Order – The City of Cambridge – Area G (consolidation) Order 1993 (amendment No.37) Order 2015 designated roads, namely Robinson Way, Puddicombe Way, Unnamed Road (part of the Hospital Peripheral route – continuation of Puddicombe Way), Dame Mary Archer Way, Francis Crick Avenue and Adrian Way (“TRO”) to deter the use of these roads to access Cambridge City Centre.

Concerns have been raised around the operational effectiveness of the ANPR system and a full review of the system has been undertaken by CBC Estate Management Ltd to ensure that the ANPR system operates effectively and is configured in accordance with the legislative requirements of the enforcement authority of the TRO, which is the Police. The checks and tests that have been undertaken are summarised below:

- Road Safety Support Limited, a specialist road safety and enforcement adviser recommended by the Police, was commissioned by CBC Estate Management Ltd to verify the operational performance and set up of the ANPR system to ensure that it met the requirements of the TRO and the Police. Road Safety Support tested the accuracy of the clock on each ANPR camera and the degree of synchronisation between each camera on the ANPR system to ensure that the system complied with the requirements. The report concluded that the system was synchronised to CUT (Coordinated Universal Time) and the time of entry and exit is correctly appended by the system for recognised registration plates. This check demonstrated the accuracy of the day clock and the synchronisation between the ANPR cameras and confirmed that the ANPR system conforms with the requirements of the TRO and the Police.
- The Police also completed a review of the timings between each camera, based on a vehicle travelling at 20 miles per hour. The range of times between each camera has been reviewed and the amended times were added to the ANPR system in April 2022.
- During September 2022 it was agreed that the ANPR system would become fully automated and the requirement for data processing by CUH staff would no longer be necessary. Upgraded software was installed to enable the system to be fully automated during September 2022. The automation of the system went live at the end of September 2022. The system generates details of all vehicles that pass through the campus in less time than the time verified at 20 mph. These details are passed to the Police so that enforcement tickets are issued. The journey time between the cameras represents someone driving at 20 mph through CBC without stopping at the hospital or another part of the campus.
- The ANPR system sends the details and images of the vehicle in breach of the agreed travel time between the entry and exit cameras at 20 mph. The Police will then issue the fixed penalty notice to the vehicle owner. Images are sent within 24 hours of the offence to the Police.
- Meetings have been held with the Police and Cambridge City Council to review the signage and the Police have confirmed that the signage complies with the requirements of the TRO.
- Cambridgeshire City Council has added the following reminder on the VMS Sign on Shelford Road, that the road via the Campus is not a through route:

- “NO THROUGH TRAFFIC AT ADDENBROOKES ANPR NOW LIVE”

Please note that the ANPR system has been live since it was reintroduced in Spring 2017.

The operational performance of the ANPR system will be monitored by CBC Estate Management on a weekly basis to check the number of breaches detected.

In summary, a full review of the ANPR system has been completed in conjunction with the Police, to ensure that the operation of the ANPR system is compliant with the TRO and provides the required deterrent to those seeking to use the roads as a short cut. The changes that have been implemented will improve the efficiency and operation of the ANPR system.

CBC Estate Management Ltd

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