

speed reducing measures should be considered, and where it exceeds 65 MPH traffic signals would not be considered appropriate.

It is possible, because of the width of the carriageway on the approaches to the Victory Roundabout, that pedestrian refuges would be needed. The pedestrian refuges, which could be as wide as 2.2 metres, would reduce the number of lanes, and reduce the capacity of the junction.

Pedestrian crossings are provided at signal controlled roundabouts where pedestrian usage is frequent, and there is no other means of crossing, but their provision imposes certain constraints on the operation of the traffic signals that reduce their efficiency. This is most significant at wider crossings, where the safety period built in to the crossing period is more onerous.

Traffic Signal Proposal

Reconciling the needs of different modes requires a balance to be struck in the design of a traffic signal installation. The retention of the existing subways for pedestrians and cyclists, particularly with improved gradients, occupies considerable space beyond the boundary of the carriageway. This will preclude the inclusion of at-grade pedestrian and cycle crossing facilities in the traffic signal design which would require additional space for pedestrians and cyclists waiting to cross. The phasing of the signals would also be complicated by the inclusion of pedestrian and cycle facilities at-grade.

The signals would be required to control four arms at the junction in addition to operating bus priority measures on at least two arms. In terms of signal phasing, it is unlikely that both bus priority and pedestrian/cycle measures could be included without causing considerable disruption to traffic flows, particularly at peak times. It is intended that the bus priority measures would improve bus journey times and reliability considerably but operate on demand so that other vehicle movements are not compromised unnecessarily. The bus priority element of the scheme would complement other measures proposed in the vicinity.