

To convert a zebra to a signalled crossing will first require a piece of work in line with our policy to provide evidence that it is fully justified. The requirements are shown in Appendix V of the linked document below, titled Highway Standards and Enforcement. The section on pedestrian crossings is 24, on page 16. The main requirement is a PV squared test. This takes the number of people crossing in an hour and multiplies the result by the number of vehicles passing, squared. To allow a signalled crossing to be installed the value needs to be over 1×10 (to the power 8), or 100,000,000, averaged over the busiest 4-hour periods.

<https://ccc-live.storage.googleapis.com/upload/www.cambridgeshire.gov.uk/residents/travel-roads-and-parking/HIAMP%202016%20v5.0%20Feb%202017.pdf?inline=true>

I have no information on why this is being requested but I think it would be useful to mention that there is little difference in the average rate of personal injury accidents between the two types of crossing. Records show that in this area by the surgery there are no recorded injury accidents involving pedestrians. One benefit of a zebra over a signalled crossing is that a pedestrian has immediate priority over vehicles when crossing, this would not be the case if a change was made.

In regards to an estimated cost this can change considerably depending on site location and approaching vehicle speeds, as additional technology and infrastructure is required. For a simple crossing we normally say £100,000, this includes a commuted sum of about £30,000 to cover the first 20 years of maintenance and for the first replacement of the equipment. As there is an existing crossing in place there is a potential construction cost saving as some of the infrastructure is already in place.

Unfortunately, my team is small and has a heavy workload so any assessment and future design work would need to be sourced externally, our term contractor Skanska are a potential resource for the parish.

I hope this answers the main points raised.

Thank you
Signals & Systems Manager
Cambridgeshire County Council