

# A45 Willoughby Road Junction

## Casualty Reduction Scheme Overview

### Site Description

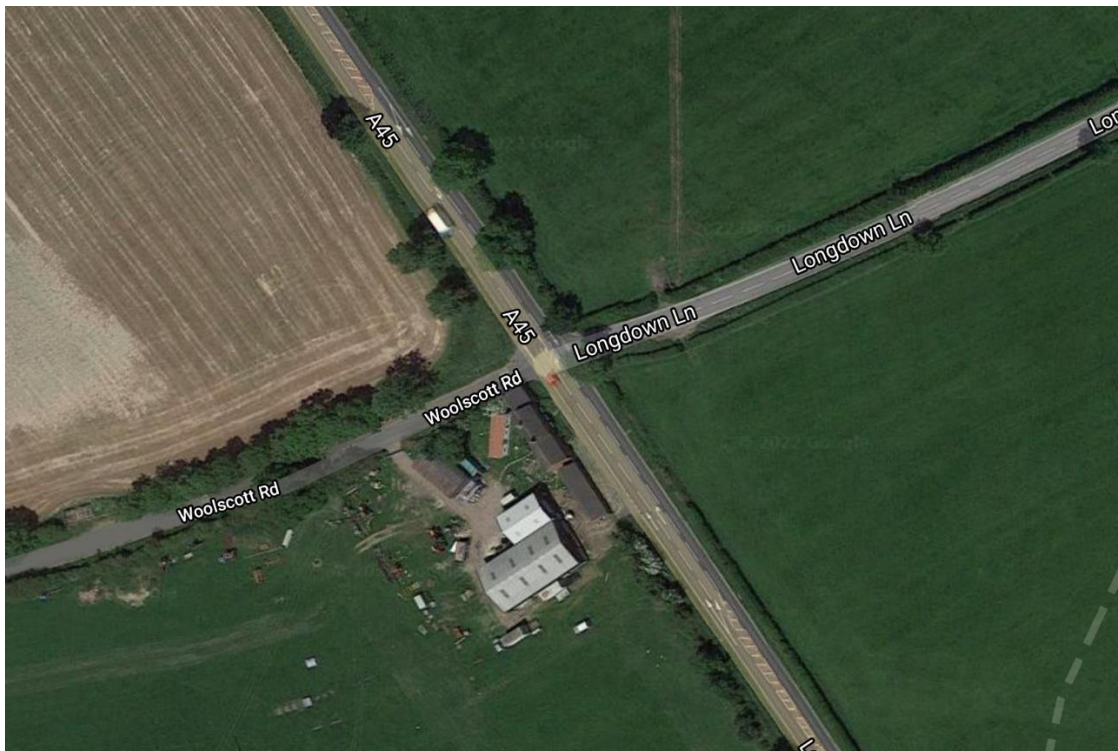
The priority major/minor crossroads junction subject to this study is the A45 Daventry Road with its junction at Longdown Lane/Woolscott Road.

The A45 Daventry Road is a single carriageway, two-way road running from north to south. The speed limit is 50mph and is located in a rural area. Vehicles travelling on the A45 Daventry Road have priority at the junctions. There are no pedestrian footpaths at any arm of this junction, with only one access to a farm within the vicinity of the junction. At the junction, there is a ghost right turn lane, serving protection for vehicles waiting to turn right into the minor roads.

Longdown Lane is a rural, weight-restricted, single carriageway, two-way road running east to west. It is subject to National Speed Limit with a 50mph limit on the approach to the junction. Vehicles are required to give way at the junction.

Woolscott Road is a rural, narrow road. It is subject to National Speed Limit.

Visibility from both Woolscott Road and Longdown Lane at the junctions is good as this stretch of the A45 is long and straight and although it's a 50mph speed limit, a speed survey conducted at the site shows that speeds are generally higher, in the region of 60mph.



## **Collision data**

A total of seven Personal Injury Collisions have been recorded resulting in thirteen casualties, one fatal and six slight. There were four failure to Give Way (judgement error) and three failure to Give Way (visibility).

## **Works implemented as part of the scheme**

The Casualty Reduction Scheme consists of an island at either end of the hatching before the right lane turns lanes, and the installation studs on the approach to the crossroads from all directions.

### **A45 London Road**

#### **Before CRS**





**A45 London Road**

**After CRS**





**A45 London Road**

**After CRS**



## Longdown Lane

After CRS



## Woolscott Road

After CRS



## Results

With these improvements on the approaches to the junction, the Traffic and Road Safety Team envisage that the installation of traffic calming islands will reduce vehicle speed, and that the provision of road studs will improve driver awareness during hours of darkness.