



It is therefore proposed to prohibit vehicles from turning right off the A1079 into York Road as part of the junction improvements. This will make the signals safer, more efficient, and less expensive to install.

Those few drivers affected by this will be able to use the Grimston Bar roundabout to come back to York Road.

The A1079 at the York Road junction is currently a 60mph speed limit route, in a predominantly rural area. The introduction of traffic signals here, where approach speeds could be high, does raise some road safety concerns. Therefore, a number of speed management measures have been developed as part of the overall scheme:-

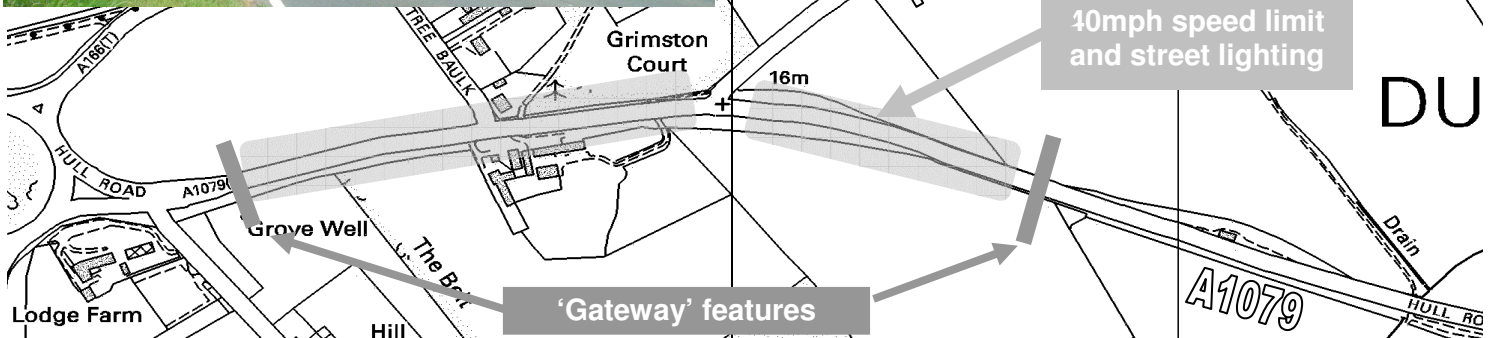
A **40mph speed limit** is proposed, extending from Grimston Bar roundabout to around 300 metres east of the York Road junction.



'Repeater' speed limit signs and road markings would also be provided at regular intervals along the 40mph area, to remind drivers of the lower speed limit.

'Gateway' features, comprising high visibility signing and coloured road surfacing, would be introduced at both approaches to the 40mph limit.

ANNEX A (page 3 of 4)



To further help the traffic signals work safely and effectively, several special features would also be included, such as :-

A **signal controller** at York Road linked with the Grimston Bar signals, to ensure they work together and minimise problems with queuing back from one junction to another.

Vehicle speed detection would be incorporated into the A1079 signals, to prevent the signals suddenly turning red when a vehicle is approaching without sufficient time to stop. Likewise, queue detection would ensure that the signals operate efficiently and safely.

Traffic islands would be installed at the junction, to help separate traffic movements and reinforce the prohibited right turn. Minor kerb realignments would also be carried out to ease the turns in and out of York Road.

These would emphasise the need to slow down because of the presence of the signals at the junction ahead.

Street Lighting would also be installed throughout the 40mph limit, to highlight the change in the road environment, and encourage drivers to observe the speed limit. The columns would be 10 metres high and spaced approximately 30 metres apart.