

Analysis of Speed Indicator Device (SID) data for October 2020

(Note: A manual count has shown that the SID has been undercounting vehicle numbers by around 60%. Following discussion with the suppliers, this has now been resolved; however, it means that a comparison with earlier periods in respect of vehicle numbers is not possible until the earlier data has been re-analysed using the correct parameter setting.)

The SID was located on the B1050 just north of Tidley Cross, facing towards Earith, between Wednesday September 30th & Tuesday October 20th. *(The SID collects data not only from approaching vehicles but also from those departing in the opposite direction; in the case of departing vehicles the speed is not displayed to the driver.)*

55,354 vehicles were recorded on the road over the period, an average of 2,846 per day, with one in three (33.7%) exceeding the 30 mph speed limit. Almost one in six vehicles (15%) were recorded as travelling in excess of 33 mph.

The busiest times were weekdays between 7.30am & 8am with an average of 144 vehicles recorded during that 30 minutes and weekdays between 4.30pm & 5.30pm, with an average of 284 vehicles per hour. The busiest time at the weekend was around lunchtime with an average of 200 vehicles per hour on Saturdays and 187 per hour on Sundays.

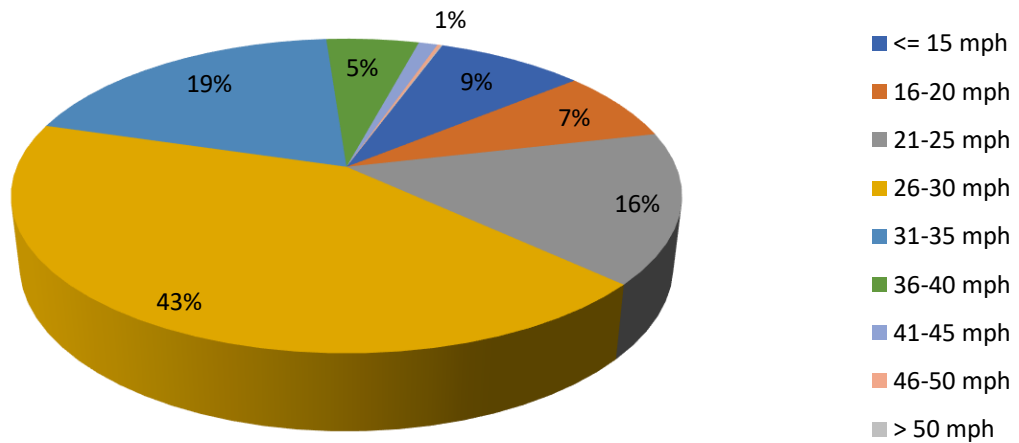
Vehicles approaching from Earith

Over the period, 25,591 vehicles were recorded, an average of 1,344 per day. Just over one quarter of all vehicles (26%) were travelling in excess of the 30 mph limit with almost one in six (15%) recorded as travelling in excess of 33 mph. The average speed was 27 mph.

Traffic "Hot Spots"

Traffic was busier on weekdays, with an average of 1,537 vehicles per day; this figure dropped to 1,008 on Saturdays and 824 on Sundays. The busiest period was between 4pm & 6pm on weekdays with, on average, 170 vehicles per hour being recorded. At the weekend the busiest period was early evenings on Saturdays when traffic reached a peak of 109 vehicles per hour.

The diagram, below, shows the distribution of vehicle speeds arriving from Earith:



Vehicles departing towards Earith

(The speed of vehicles travelling towards Earith is not displayed to the driver and so the presence of the SID is likely to be less of a deterrent for these vehicles.)

Over the period, 29,763 vehicles were detected, an average of 1,504 per day. More than two in five vehicles (41%) were travelling in excess of the 30 mph limit with almost one in six (15%) exceeding 35 mph. The average speed was 28 mph.

Traffic "Hot Spots"

On weekdays, an average of 1,791 vehicles was recorded each day; this fell to 1,185 on Saturdays and 912 on Sundays. The busiest period was on weekdays between 7am & 7.30am with, on average, 115 vehicles being recorded during that 30 minute period.

This diagram shows the distribution of vehicle speeds departing towards Earith:

