

Analysis of Speed Indicator Device (SID) data for February / March 2020

(results not analysed or reported until June because of lockdown)

Note: David McCandless, leader of the local Community Roadwatch organisation, has told us that his research indicates that the vehicle number figures estimated by the SID should be treated with extreme caution; a manual count will be carried out shortly and compared with the results from the SID to establish the extent of any SID error

The SID was located on the B1050 just south of the junction with the High Street, pointing south towards Tidley Cross, between February 23rd & March 15th. *(Note that the SID collects data not only from approaching vehicles but also from those travelling in the opposite direction; in the case of vehicles approaching from the opposite direction the speed is not displayed.)*

28,687 vehicles were recorded on the road over the period, an average of 1,366 per day, with no fewer than 57% exceeding the 30 mph speed limit. The busiest times of day were weekdays between 7am & 8am with an average of 156 vehicles being recorded and weekdays between 4.30pm & 5.30pm with an average of 137 vehicles recorded.

Vehicles approaching from Tidley Cross

Over the period, 13,078 vehicles were recorded, an average of 623 per day. 49% were travelling in excess of the 30 mph limit. The average speed was 31 mph and the 85th percentile speed was 37 mph. *(The 85th percentile speed is the speed at which 85% of vehicles are travelling at, or below and is a statistic commonly used by road engineers to help in setting speed limits.)*

1 in 10 vehicles were travelling faster than 38 mph while 1 in 20 exceeded 40 mph.

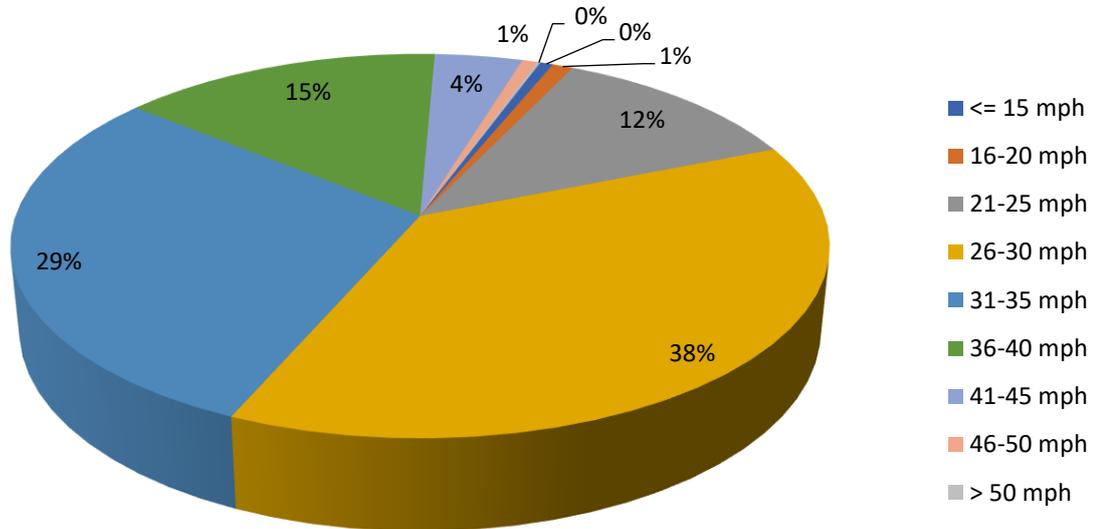
Traffic "Hot Spots"

Traffic was busier during the week, with an average of 693 vehicles per weekday, dropping to 497 on Saturdays and 387 on Sundays. The busiest period was on weekdays between 4.30pm & 6pm with, on average, 95 vehicles per hour being recorded.

Speeding "Hot Spots"

Between the hours of 6am & 9pm, there were 15 half hour periods in which the average speed exceeded 33 mph; of these, 11 were at the weekend between 6am & 9am, 2 were on a Sunday evening between 7.30pm & 9pm and 2 were on weekday mornings between 6am & 7am.

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



Vehicles departing towards Tidley Cross

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

Over the period, 15,609 vehicles were recorded, an average of 743 per day. Almost two-thirds of all vehicles (63%) were exceeding the 30 mph limit. The average speed was 32 mph and the 85th percentile speed was 37 mph. 5% of all vehicles were travelling faster than 40 mph.

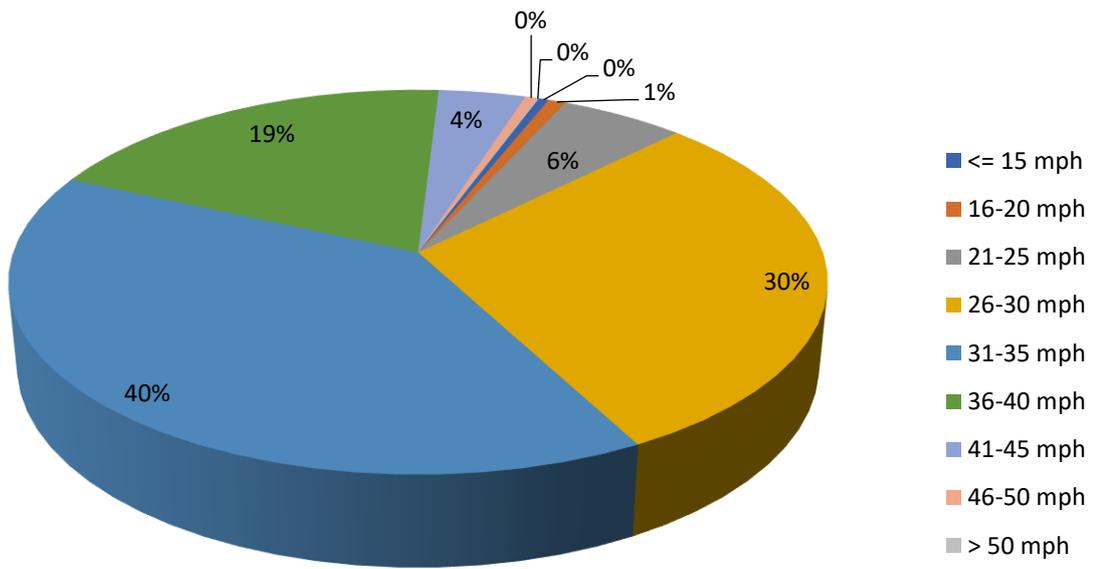
Traffic “Hot Spots”

On average, 840 vehicles were recorded each weekday and that figure dropped to 546 on Saturdays and 434 on Sundays. The busiest period was on weekdays between 6.30am & 8am; during that hour and a half 194 vehicles on average headed towards Earith, a rate of 129 per hour.

Speeding “Hot Spots”

Between the hours of 6am & 9pm over the three weeks, there were 69 half hour periods in which the average speed exceeded 33 mph; of these, 25 were on Sunday mornings, 11 were on Saturday mornings & 18 were on weekday mornings, mainly between 6am & 7.30am.

The diagram, below, shows the distribution of vehicle speeds heading towards Tidley Cross:



(For report to Parish Council but not for the CPC web-site)

Between February 23rd & March 15th, 11 vehicles were recorded travelling above 60 mph:

Arriving from Tidley Cross

75 mph recorded on Saturday 14th March at 12.46

67 mph recorded on Monday 2nd March at 15.07

66 mph recorded on Saturday 14th March at 12.46

64 mph recorded on Saturday 29th February at 18.31

63 mph recorded on Saturday 29th February at 18.31

63 mph recorded on Friday 6th March at 21.28

63 mph recorded on Monday 2nd March at 15.07

61 mph recorded on Sunday 1st March at 18.15

61 mph recorded on Tuesday 3rd March at 07.05

Departing towards Tidley Cross

61 mph recorded on Saturday 29th February at 12.12

61 mph recorded on Saturday 7th March at 16.43