

CODDENHAM PARISH COUNCIL

Agenda Paper



Tuesday 19th February 2019

Report to Council

Item 7b. To **RECEIVE** a Report on the Speed of Traffic in the Village

This report details the results of an analysis of the data recorded by the Speed Indicator Device over a three week period leading up to the Christmas break.

The Speed Indicator Device, (SID), has been in operation since the start of October 2018, placed at two sites on School Road, at either entrance to the Recreation Ground. The SID has been moved from one site to the other at approximately monthly intervals.

Results of an analysis, taken from the full data-set, of the speed of vehicles over the period between the 3rd and 23rd December 2108, are shown below.

At the beginning of this period the SID had been in operation for some 3 months, giving regular drivers on School Road sufficient time to become used to the device reminding them of the 20mph speed restriction.

The SID takes multiple measurements of the speed of a vehicle approaching the device from either direction, hence the number of measured values, (113,153), which are used in the calculations of the comparative percentiles, is a multiple of the number of vehicle passes, (21,975), being monitored. The 85th percentile displays the average speed of 85 percent of vehicles monitored.

This analysis examines drivers' behaviour during the working day period between 7am and 7pm, monitoring vehicles in both directions simultaneously.

The following tables show the numerical results of the analysis:

# of measured values	113,153
# of Vehicles	21,975
Speed limit	20 mph
Speed violations	74%

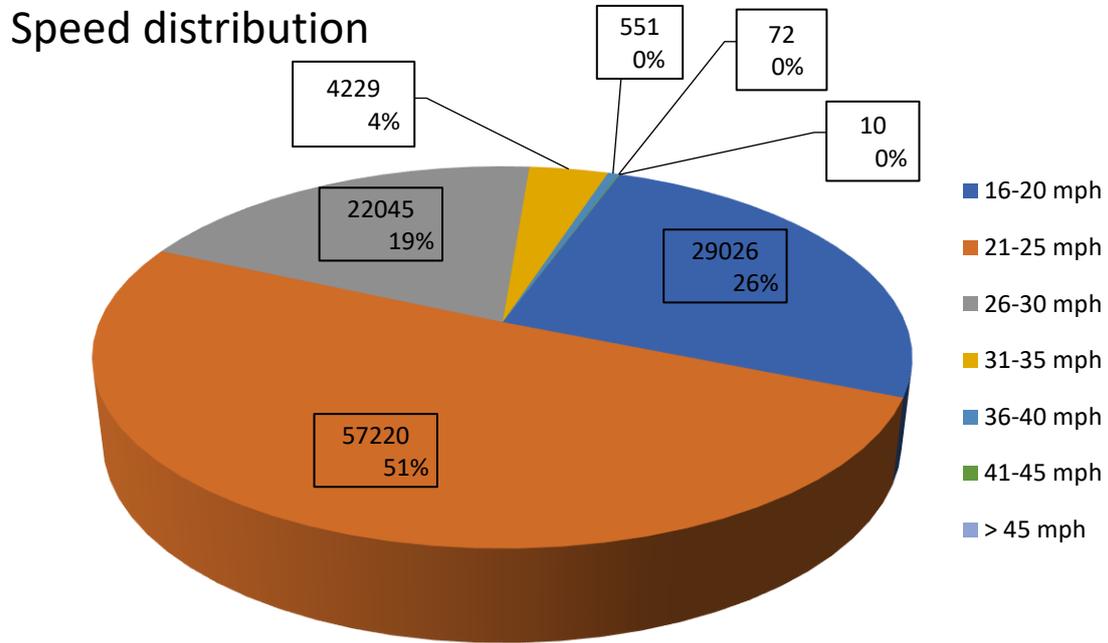
Average Daily Traffic	1,072
Average Daily Speed	23 mph
Max Speed	51 mph
85th percentile	27 mph

Whilst 74% of the traffic violated the 20mph limit during this 3-week period, the majority of these drivers were traveling at less than 30mph, which may reflect a reduction in the number of cars that would have been 'speeding' if the 30mph was still in force.

26% of the monitored vehicles were travelling at the limit of 20mph or less.

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The following graphic represents the distribution of measured values within the speed ranges show:



The total of 633 measurements recorded at greater than 35mph across the three week period represents a total of 151 vehicles, which is less than 0.7% of the total 21,975 vehicle passes.

Peter Whitehouse
Parish Clerk