

Chilton Parish Council Speed Warning Sign Report

**Thame Road site
June – July 2022**

**Compiled by N Wasey
September 2022**



Introduction

Since the summer of 2019 Chilton Parish Council have operated a single **Speed Warning Sign** with three mounting points at each of the approaches into the village.

- a) On the Brill Road on the verge outside the Old School House
- b) On the Dorton Road just north of the grit box opposite Town Hill Farm
- c) On the Thame Road located 10m south of the BT cabinet opposite Chilton Meadow

The Warning Sign is manufactured by SWARCO, a UK firm, and is of the basic design that illuminates with a “30” reminder and a “SLOW DOWN” message if a vehicle is travelling in excess on the limit. This is known as a Speed Limit Reminder (SLR) type sign. Other types seen in neighbouring villages are Speed Indication Device (SID) that indicates to the driver the speed at which they are travelling, and Smiley Activated Message (SAM) as used in Chearsley on the approach from Cuddington.

These signs use a radar to detect vehicle speeds and with an energy efficient LED display to show the message to oncoming drivers. The sign was delivered with a pair of 12V rechargeable batteries, each of which lasts around 6 weeks before having to be exchanged for its charged twin. A speed tolerance can also be set within the sign and this currently that is set to zero such that any vehicle exceeding 30mph will activate the sign.

Importantly, the sign also has an inbuilt data logging feature that provides statistical feedback on the number of activations, vehicle speeds, volumes and various other metrics. It doesn't, however, have a camera so there is no recording of vehicle registrations. The sign was a relatively sizeable investment for the PC costing £1,595 (£3,195 less a grant of £1,600) so in order to realize its full value the data logging feature should be fully used to make informed decisions about traffic calming through the village.

What the sign records

The Speed Warning Sign uses a Bluetooth connection to download its recordings to a laptop and an American software (Houston Radar Stats Analyser) to compile and report on the data. The three locations have now been set up within the software and the exact position of the mounting plinths logged. The Houston software come with a suite of on-screen and generated reports that show the following metrics ;

- Vehicle counts by hour, day, week and month
- Mean average speeds by hour, day, week and month
- 85th Percentile speed*
- Speeder counts and average speeder MPH
- Highest speed recorded in a period

The reports display a huge amount of data so interpreting them and presenting an easily digestible summary has been time quite consuming. The reports can be With time a template can be developed so that the Parish Council can easily review the speed data and measure the results of any initiatives to reduce speeding through our village.

* See following explanation

Feb-Mar 2022 Dorton Road results

Below is the first summary page of the data report for 02/02/2022 to 23/03/2022.

For Project:	Thame Road				
Project Notes:	Located 10m south of BT cabinet opposite Chilton Meadow				
Location/Name:	Incoming				
Report Generated:	15/09/2022	11:40			
Speed Intervals	5 MPH				
Time Intervals	Instant				
Traffic Report From	10/06/2022	12:00:00	through	19/08/2022	12:59:59
85th Percentile Speed	37.2 MPH				
85th Percentile Vehicles	26046				
Max Speed	60 MPH	on	17/07/2022	02:45:00	
Total Vehicles	30642				
AADT:	437				



Volumes - weekly counts

	Time	5 Day	7 Day
Average Daily		680	601
AM Peak	08:00	82	64
PM Peak	05:00	65	54

Percentage vehicles over the speed limit in the period = 59.3%

Speed

Speed Limit:	30
85th Percentile Speed:	37.2
Average Speed:	31.05



	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Count over limit	2894	2996	2853	2952	3170	1885	1465
% over limit	60.1	60.3	56.7	58.6	62.1	61.2	56.1
Avg Speeder	34.9	34.9	34.9	34.8	35.1	34.9	34.9



November – December Summary Thame Location

- 85% percentile speed was **37.2 mph** meaning **15%** of traffic was exceeding that value.
- The maximum speed recorded was **60 mph**
- **59.3%** of vehicles exceeded the speed limit during the month
- The average speeder was **34.9mph**
- The average speed during the period was **31.05 mph**





YOUR
SPEED

mph

