

## Winterborne St Martin Traffic Report June 2017

At the meeting of the Winterborne St Martin Parish Council of the 22 May it was agreed to purchase a traffic survey from the highways team at Dorset County Council in order to determine whether the surveyed sites would be suitable for the deployment of a Speed Indicator Device purchased and operated by the Parish Council, but used only in the format and locations agreed by the DCC highways team. The survey was undertaken using an Automated Traffic Counter laid in the road in two locations in the village.

The purpose of this report is to summarise data from two recorders, to enable Councillors to come to a decision about purchasing a Speed Indicator Device for use in the two approved locations.

Data has been collected from Monday 19 June to Sunday 25 June 2017 inclusive.

Data recorders were placed to the East of the village close to the Mallards Green area on the C53 and to the West of the village close to the Burnside area on the B3159.

The data collected recorded volume of traffic in each location broken down into 30 minute periods across each 24 hours, the speed of this traffic and the class of vehicle.

The full data is comprehensive, lengthy and in an excel spreadsheet format. The full data can be made available to anyone who wishes to request it.

For the purposes of this report the most relevant factor of the data collected is the speed of the vehicles. It is accepted that volume of traffic is an issue over which the Parish Council can have minimal impact and the environment of reduced public transport will increase traffic movements of vehicles.

### Traffic Volume and Speeds

The data collected at Mallards Green showed weekday volumes of traffic averaging over 4000 per day and weekend volumes in excess of 2000 per day.

	Total Volume	Total Exceeding Speed Limit	Total Exceeding 40mph
Monday	3923	2442	269
Tuesday	4012	2517	250
Wednesday	4119	2623	262
Thursday	3097	1861	173
Friday	4124	2485	279
Saturday	2504	1581	157
Sunday	2057	1409	180
Total	<b>23836</b>	<b>14918</b>	<b>1570</b>

This demonstrates that over **62%** of the traffic on the C53 driving through the Mallards Green area is exceeding the speed limit, almost **15,000** vehicles in one week. **1,570** of these vehicle movements

are with drivers who think it is acceptable to drive through our village roads at speeds in excess of 40mph.

An accident closed the road between approximately 5pm and 7pm on Thursday evening reducing the traffic during this normally busy period which has thereby reduced the total numbers on that day.

Volume of traffic at the Burnside location is typically half of that seen at the Mallards Green area. A significantly lower percentage of vehicles are exceeding the speed limit

	<b>Total Volume</b>	<b>Total Exceeding Speed Limit</b>	<b>Total Exceeding 40mph</b>
Monday	1903	379	12
Tuesday	2093	339	11
Wednesday	2168	416	10
Thursday	2067	327	17
Friday	2154	388	10
Saturday	1573	240	9
Sunday	1475	262	10
<b>Total</b>	<b>13433</b>	<b>2351</b>	<b>79</b>

### Peak Travel

Burnside		Mallards Green	
am	08:00 – 09:00	am	07:30 – 09:00
pm	17:00 – 18:00	pm	15:30 – 17:30

The indications of peak travel times are as we might have expected and concurs with our experience that traffic between Weymouth and Dorchester in commuter travel times is using the road through the East end of the village and C53 to/from Monkey’s Jump Roundabout to avoid the Weymouth to Dorchester A354.

### Conclusions

For many residents their perception of traffic speeds in their location may be different from what has been recorded by the Automated Traffic Counters. However the data collection devices used are industry standard devices used by the highways team for all similar data collections exercises.

There is an industry standard for calculating the 85%ile of traffic speed that is used to determine if a location is suitable for a Speed Indicator Device.

The data collected at Burnside gives an 85%ile calculation of 31.9 miles per hour and **does not** meet the criteria for the use of a Speed Indicator Device in this location. Dorset County Council highways team will not authorise the use of a Speed Indicator Device in this location.

The data collected at Mallards Green **does** meet the criteria for the use of a Speed Indicator Device in both directions.

If the Parish Council were to purchase its own Speed Indicator Device it can be used at Mallards Green alternating between the outbound and inbound traffic. The highways team recommend changing the location of a Speed Indicator Device at approximately four weekly intervals.

If a Speed Indicator Device is purchased we can continue to monitor traffic speeds through the use of the Community Speed Watch in other parts of the village and make future considerations for additional locations. Any request to DCC for additional locations for the deployment of the Speed Indicator Device would have to be preceded by another Automated Traffic Count device being used for a week at a cost of £250 to the Parish Council.

Virtually all residents of the village use the road in to and out of the village on the C53 through Mallards Green. We may achieve a reduction in the speed of the vehicles in this area through the use of a Speed Indicator Device which would benefit all residents in the village when they are driving, walking or cycling through that part of the village. Raising drivers' awareness of the speed limit through the village at this location would have a knock on effect of drivers continuing through the village and may reduce speeds all through the village.

### **Costs**

The cost to the Parish Council of purchasing its own Speed Indicator Device would be:

SID	£2,200
Additional Accessories	£ 387
New Pole for Deployment	<u>£ 252</u>
	£2,839

VAT would be charged on top of these prices but the Parish Council would reclaim the VAT through its annual return.

Training would be provided by the DCC highways team and the device would be deployed at the agreed locations by members of the Parish Council. The device can only be deployed at locations approved by the DCC highways team.