



BINEGAR PARISH COUNCIL

Traffic analysis: A37 Gurney Slade

Radar – May 2018

Radar installed from 19-28 May supplied data on traffic volumes and speeds. It was located on the A37 on the straight, midway between Binegar Lane and Tellis Lane junctions.

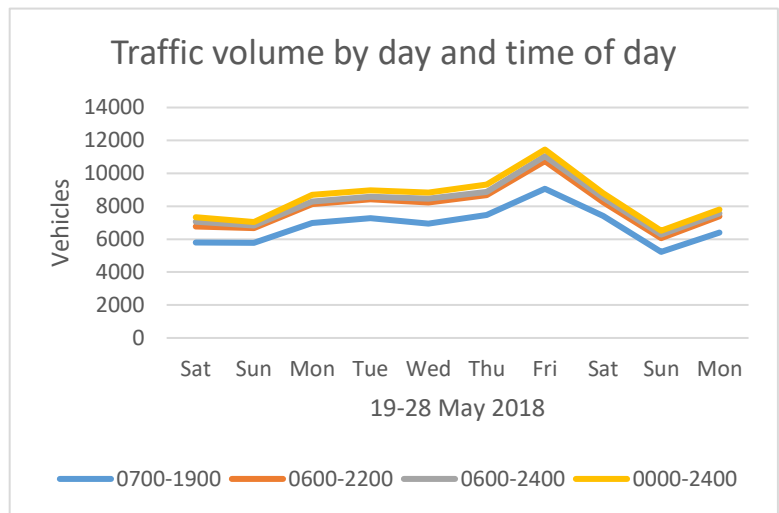
Traffic volume by time of day

The radar collected data for ten days: five working days and two weekends.

One weekend was the Spring bank holiday which may account for the spike in volume on Friday 25 May.

The graph shows traffic volume by day and periods of day. Around 9,000 vehicles passed through daily, more on weekdays than weekends.

Monday-Friday peak flows were 12 vehicles a minute at 0700 and 1700.

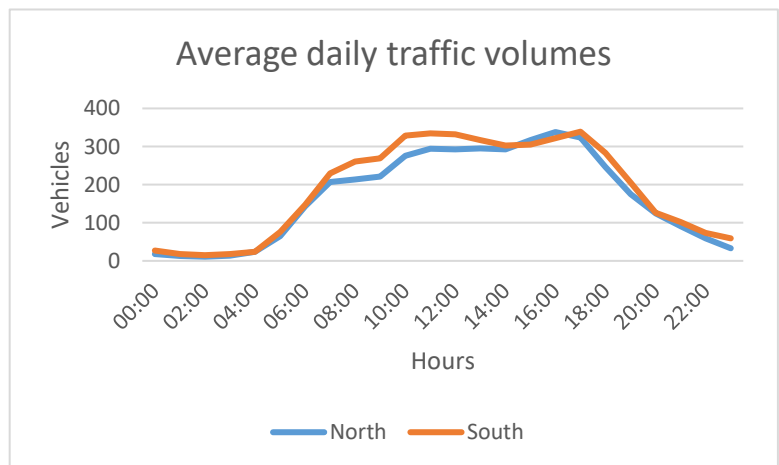


Average daily traffic volume

The graph shows average daily traffic flows per hour over 24 hours.

The twelve hours 0700 -1900 accounted for 80% of all traffic.

Overall, 1:8 vehicles measured over 6.6 metres in length (21' 8"). From midnight to 0500, this rose to 1:5. From 0600-1300, the rate was 1:6.



This compares with Department of Transport 2016 data that counted around 8,000 vehicles a day with 10% classified as heavy goods vehicles.

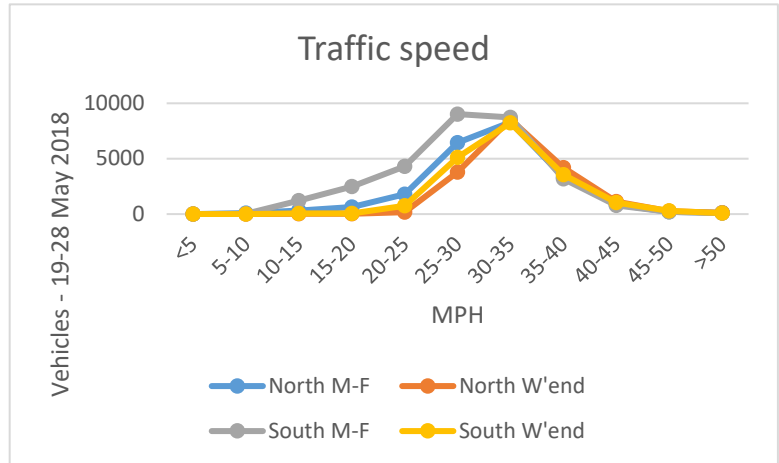


Traffic speed

The graph shows the numbers of vehicles in bands of 5 mph. The lines show vehicles going north and south on working days and weekends.

The yellow and orange weekend results show consistent speeds travelled north and south.

Note the khaki and blue working day lines, showing slower traffic Monday–Friday, particularly going south.

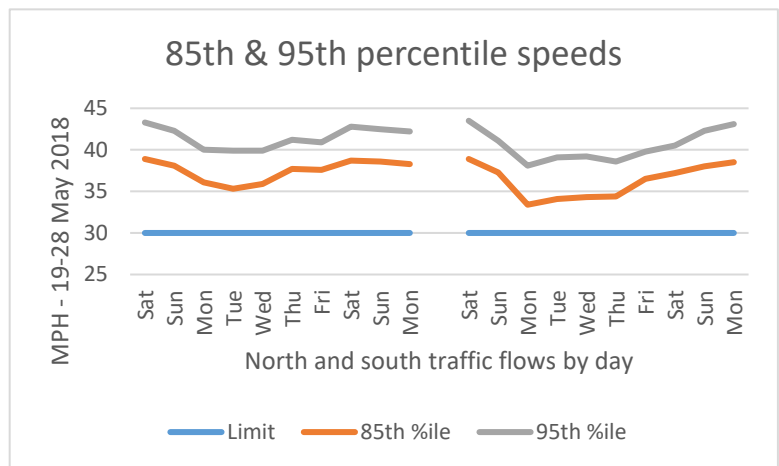


The mean, and percentile speeds

Daily mean speeds north range between 30-34 mph; south 25-33 mph.

Vehicles go faster north than south.

The 85th percentile is the speed that 85% of vehicles are not exceeding. Daily 85th percentile speeds: north and south 33-39 mph.



Faster vehicles go equally fast in both directions.

Weekend drivers speed most.



Proportion of vehicles speeding

The charts show the daily traffic flows north and south.

The lines show the percentage of vehicles travelling over the 30 mph speed limit.

Both north and south, more drivers exceed the speed limit at weekends than Monday-Friday. North: 80%; south 70%.

Between 1%-3% drivers exceed 45 mph.

