

Coaley Speed Surveys October 2019

Introduction

- This report provides a summary of the results of speed surveys that were carried out at two locations within Coaley. The surveys took place between Monday 7th October 2019 and Sunday 13th October 2019.
- The survey was carried out by means of an Automatic Traffic Counter (ATC) connected to pneumatic tube sensors attached to the surface of the carriageway. With a good road surface, careful installation and the level of traffic flow at this location, a high degree of accuracy is possible from the survey method employed. It is expected that the traffic flows are within +/- 2% and the speeds within +/- 3% overall.
- Speeds - all speed surveys are carried out over a period of 7 days or more. The results given within this report are averaged over the 7-day period. The mean speed is the measurement used nationally in assessments for speed limits and is used within this report for consistency.
- Flows - the figures given within this summary are the combined two-way 24 hours flows averaged for a day over the period of the survey. This reduces the effect of daily variations and gives the best indication of the overall traffic flows.

Location of Surveys



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Site 99185982 Hamshill, Coaley



Site 99185983 Westend, Coaley



Results

	Coaley		
	Site 99185982, Hamshill (30mph)		
	N/b	S/b	Combined
Mean speed (mph)	29.3	27.5	28.4
85 th %ile speed (mph)	33.7	31.4	32.5
Average Mon-Fri Volume	389	404	793
Average Mon-Sun Volume	355	367	722
	Site 99185983 Westend (30mph)		
	N/b	S/b	Combined
Mean speed (mph)	30.9	30.6	30.7
85 th %ile speed (mph)	35.7	35.2	35.4
Average Mon-Fri Volume	769	773	1542
Average Mon-Sun Volume	722	725	1447

Speeds

- The speed limit at both sites is 30 mph.
- Speed limits are based on Department for Transport (DfT) guidelines - DfT Circular 01/2013 - 'Setting Local Speed Limits'. In simple terms, the DLTR criteria states that the mean speeds should be comparable to the existing/proposed speed limit.
- The mean speed at both locations falls within the appropriate range for the posted speed limit.

Key

Mean Speed = Average speed

85th %ile Speed = The speed at or below which 85% of all vehicles are observed to travel under free flowing conditions past a nominated point.

Free Flowing Conditions

A vehicle is considered to be operating under free flowing conditions when the preceding vehicle has at least 4 seconds headway.

Congestion Effects

If a road experiences traffic congestion, then motorists are unable to travel at their desired operating speed. If these impeded vehicles are included in the 85th percentiles of a dataset, then its speed statistics won't reflect the road's true operating speed.