

Princethorpe Traffic Survey November 2016

Some headlines from the data.

The table below comprises the following data:

Location 30371 is A423 north of B4453 - speed limit 40mph
 Location 30368 is A423 Oxford road to Southam - speed limit 40mph
 Location 30370 is B4453 Leamington Rd - speed limit 30mph
 Location 30367 is B4453 to Rugby by Hill Top Park - speed limit 50mph
 Location 30369 is Fosse Way north of Barn Lane - speed limit 40mph
 Location 30372 is Fosse Way south of Sheep Dip Lane - speed limit 30mph

Column A weekly total volume of vehicles
 Column B daily average (Monday to Friday) volume of vehicles
 Column C weekly total of vehicles longer than 11.5 metres
 Column D daily average (Monday to Friday) of vehicles longer than 11.5 metres
 Column E average speed (Mon-Fri) for 85th percentile
 Column F daily average (Monday to Friday) of vehicles exceeding speed limit
 Column G shows the percentage of vehicles speeding (Mon-Fri) for the given route and direction.

Location	direction	A	B	C	D	E	F	G
30371	SE	27653	4422	1272	232	50.5mph	2716	61%
30371	NW	26475	4188	1548	286	52.7mph	2106	50%
30368	S	20457*	4091	1173*	235	39.3mph	334	8%
30368	N	22951*	4590	1404*	281	38.8mph	330	7%
30370	SW	6066**	1183***	131**	30***	37.2mph***	1019***	86%
30370	NE	7070**	1433***	108**	25***	43.4mph***	1260***	88%
30367	NE	17224	2794	898	175	52.5mph	573	21%
30367	SW	18313	2928	873	167	51.9mph	544	19%
30369	NE	18175	2936	309	58	47.4mph	1122	38%
30369	SW	21412	3508	273	52	50.8mph	2463	70%
30372	N	12334	2069	93**	22***	38.5mph	1382	67%
30372	S	11227	1834	69**	16***	37.8mph	967	53%

*5 day figures, radar failed on Sat/Sun

** 6 day total (no Monday)

*** 4 day figures (Tues-Thurs)

The data has been analysed slightly differently to the 2015 survey. This time, the 85th percentile figure for speeding is given. This figure is used in determining whether the police will position mobile speed cameras. The criterion is: the 85th percentile of vehicles are travelling at speed limit + 10% + 2 mph. For example, if the speed limit is 30mph, then if the 85th percentile figure is greater than 35, that counts as sufficient speeding to warrant deployment of a mobile unit. From the above you can see that the Leamington Road (location 30370) satisfies this criterion for both directions. The Fosse Way on its northern route into the village (location 30372) also meets the criterion. The police regularly deploy a camera at the former location and have now agreed to survey the scope for doing so at the latter location. The A423 entering from Coventry also meets the criterion, the limit is 40mph and it has an 85th percentile in excess of 50mph in both directions. We raised this location with the police last year, although we believe they have it incorrectly recorded as a 50mph limit. We are pursuing this matter with them.

Flow – numbers of HGVs

The figures in columns C & D are for the very largest vehicles passing through the village, those in excess of 11.5 metres. And remember that the numbers on the B4453 capture the volume of large HGVs on a minor road. The main traffic on this route for HGVs is on the northern part of the road leading to the junction with the A423 and Fosse Way: a daily average of 342 (up by 40 from last year) on the B4453 north of the village. That's a 13% increase in one year.

Volume of flow at the junction of the A423/Fosse Way/B4453

The radar data collectors were positioned to measure all traffic entering and leaving the village. This does not make it possible to determine with full precision the number of vehicles passing through this junction, but analysis of the data readings for the vehicles approaching the junction on all roads, compared with data of all vehicles moving away from that junction suggests that on an average weekday close to 3,500 vehicles pass through that junction in the busy 2 hour period from 07:00 – 09:00. This represents an increase on last year when the figures suggested somewhere in the region of 3,200 to 3,500 vehicles passing through at that time. The current flow is 29 vehicles a minute, or one every two seconds.

The data will be sent to County officers responsible for traffic and liaison with the Police on speed cameras and to County Councillor Howard Roberts. The data informs the Parish Council's response to the Borough Council's consultation on their Preferred Options Local Plan. That plan includes considerable housing development in the area around the A45, development that would impact further on traffic flows through Princethorpe, especially on routes from the north – B4453 and Fosse Way. The data from the survey will also inform the Parish Council's response to the second phase consultation on the proposal to develop gravel extraction on land near the straight mile which could also threaten further increases in traffic flows towards our village on those northern routes.

The speeding data has already made the case for deployment of mobile cameras on the stretch of the Fosse Way entering the village from Stretton and we are pursuing the issue re deployment of cameras on the A423 entering from Coventry. We believe the police have this recorded as a 50mph limit, rather than 40mph. Our data shows that the speeds recorded satisfy the criteria for mobile camera deployment once the 40mph limit is acknowledged. This stretch of road is earmarked for a pedestrian 'refuge' to assist families crossing the road en route to school, so anything that can be done to reduce speeding here is a priority.

We anticipate that all the above data will be valuable at the next Community Forum, scheduled for February 2017, on traffic management issues in the County.

December 2016.