



cts

TRAFFIC + TRANSPORTATION

THE DATA COLLECTION SPECIALISTS

David Higgins

53548 - Wiswell ATC Survey

**Sunday 26th February –
Saturday 04th March 2023**

Jigisha Parekh



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Data Quality Assurance:

Data Revision: Rev. 1

Analysis and Report by: Jigisha Parekh
Date: 07/03/2023

Checked by: Joe Maclaren
Date: 07/03/2023

Approved by: Joe Maclaren
Date: 07/03/2023

Method of Survey:

ATC SURVEYS:

Classified volume and speed data were collected via ATC units positioned in Wiswell. Data was collected Sunday 26th February – Saturday 04th March 2023. Data is shown in hourly intervals and by direction.

The following point was surveyed:

- Pendleton Road, Wiswell

The Vehicle Classifications used in this survey numbered in the data are as follows:

1. Pedal Cycles
2. Motorcycles
3. Passenger cars with or without trailers
4. LGVs with or without trailers
5. 2 axles rigid HGV
6. 3 axles rigid HGV
7. 4 axles rigid HGV
8. 3 axles articulated HGV
9. 4 axles articulated HGV
10. 5 or more axles articulated HGV
11. Buses and coaches

There are five tables provided in the excel output.

The summary sheet summarises the information shown in the following four sheets, and calculates the 85th percentile and average speeds over five (Monday – Friday) and seven (including Saturday and Sunday) weekdays

The 'class' pair of sheets provide detailed hourly flows using the classifications above.

The 'speed' pair of sheets provide detailed observed speeds by hour using actual speeds summarised into groups of speed known as 'bins'. For example the 5^{>=}10 column shows the number of vehicles in an hour that had measured speeds between over five and ten miles per hour.

Two speed values are provided in the third and fourth columns.

- The mean average speed is the actual average speed observed in each hour.
- The 85th percentile value is the speed where all measured speeds are listed in ascending order and then counted down from the highest value until 15% of the values have been taken into account. This is therefore the speed at and below which 85% of vehicles within the sample are travelling. It is only calculated if there are more than 10 speeds measured in that given hour. (Highways England document CA185, Vehicle Speed Measurement).

Incidents Encountered During Surveys:

There were no significant events or unforeseen circumstances to affect the results of the surveys.