

Hopgrove Lane South /Malton Road Traffic Survey Results

Traffic surveys were carried out over a two-day period covering a Friday and Saturday (7am to 7pm each day). Full turning counts were carried out for all arms of the junction, and queue lengths/delays were measured on Hopgrove Lane South.

Friday

- The total 2-way traffic flow on Hopgrove Lane South was 5,947 movements, which equates to 43% of the traffic flow level on Malton Road (14,143).
- The flow on Hopgrove Lane South towards Malton Road was 3134, which was 11% higher than the flow away from the junction (2813).
- Of reaching the Malton Road junction, 1712 turned left compared to 1412 turning right (i.e. a 55/45 split).
- The worst period for queuing was late afternoon (4.00 to 5.30pm) with a queue length in excess of 12 vehicles often being recorded. During this period the length of time it took for a right turner to exit the junction, having reached the give-way line, varied between 3 and 9 seconds. The queue also built up to similar lengths, but less consistently, in the late morning, and interestingly longer delays were recorded for right turners to exit the junction (typically between 7 and 14 seconds).

Saturday

- The total 2-way traffic flow on Hopgrove Lane South was 4,759 movements, which was 36% of the traffic flow level on Malton Road (13,269).

ANNEX B

- The flow on Hopgrove Lane South towards Malton Road was 2555, which was 16% higher than the flow away from the junction (2204).
- On reaching the Malton Road junction, 1440 turned left compared to 1108 turning right (i.e. a 57/43 split).
- The worst period for queuing was late morning/early afternoon (11.15 am to 12.30pm) with a queue length in excess of 12 vehicles often being recorded. During this period the longest delays were recorded for right turners to exit the junction having reached the give-way line (between 8 and 21 seconds). The queue also occasionally built up to similar lengths, but far less consistently, towards the mid-afternoon, and interestingly much shorter delays were recorded for right turners to exit the junction (typically between 2 and 7 seconds).

The traffic survey results confirm that Hopgrove Lane South carries a significant level of traffic (around 40% of that on Malton Road), and that a high percentage turns right at the junction (about 45%). Drivers making this right turn often have to wait a significant time to find a safe gap to exit on to Malton Road (up to 21 seconds) and queues in excess of 12 vehicles regularly build up on Hopgrove Lane South at busy periods.