



## Observed traffic displacement on main roads (AM & PM peak): Main roads Changes in traffic between 2013 and 2018

| Location      | Weekday AM peak change (number range of vehicles/hour) | Weekday AM peak change (percentage range) | Weekday PM peak change (number range of vehicles/hour) | Weekday PM peak change (percentage range) |
|---------------|--|---|--|---|
| Highgate Hill | -40 to 40  | -10% to 10%                               | -40 to 40  | 10% to 25%                                |
| Archway Road  | 40 to 80   | -10% to 10%                               | 80 to 120  | 10% to 25%                                |
| St John's Way | -80 to -120  | -25% to -10%                              | 40 to 80   | 10% to 25%                                |
| Holloway Road | -80 to -120  | -25% to -10%                              | -80 to -120  | -25% to -10%                              |
| Junction Road | -40 to 40  | -10% to 10%                               | -40 to 40  | -10% to 10%                               |

The above data is not traffic modelling, but actual observed traffic, comparing traffic flow in 2013 with 2018; before and after the removal of the Archway Gyratory. The 2013 traffic counts were undertaken over five weekdays and the 2018 counts were undertaken over two weekdays, and an average was taken from each. The tables above show average traffic volume and percentage change over the three-hour AM and PM peak periods.

AM peak = 7am - 10am | PM peak = 4pm - 7pm

A negative number or percentage indicates a decrease between the two years, while a positive number or percentage indicates an increase.

For reference, an increase in 60 cars over an hour would represent an increase of 1 car per minute on average.

Please note: traffic flows fluctuate on a daily basis (generally up to 10%). As such, changes within -10% to 10% are considered statistically insignificant (i.e. no change).

## Appendix 1 Before and after traffic counts

| <b>Location</b> | <b>Weekday AM peak<br/>vehicles per hour<br/>2013</b> | <b>Weekday AM peak<br/>vehicles per hour<br/>2018</b> | <b>Weekday PM peak<br/>vehicles per hour<br/>2013</b> | <b>Weekday PM peak<br/>vehicles per hour<br/>2018</b> |
|-----------------|---|---|---|---|
| Highgate Hill   | 391   | 352   | 362   | 402   |
| Archway Road    | 857   | 926   | 727   | 822   |
| St John's Way   | 404   | 313   | 279   | 328   |
| Holloway Road   | 713   | 602   | 833   | 739   |
| Junction Road   | 280   | 280   | 474   | 435   |

The above data is not traffic modelling, but actual observed traffic, comparing traffic flow in 2013 with 2018; before and after the removal of the Archway Gyratory. The 2013 traffic counts were undertaken over five weekdays and the 2018 counts were undertaken over two weekdays, and an average was taken from each.

The tables above show 1-hour average flows of the three-hour AM and PM peak periods in 2013 and 2018.

AM peak = 7am - 10am | PM peak = 4pm - 7pm