

Bygrave  
Tuesday 17th January 2023  
Junction: 2  
Approach: Ashwell Road

| TIME          | Northbound |       |         |     |     |      |      |     |       |       | Southbound |       |         |     |     |      |      |     |       |       |
|---------------|------------|-------|---------|-----|-----|------|------|-----|-------|-------|------------|-------|---------|-----|-----|------|------|-----|-------|-------|
|               | PED        | CYCLE | M/CYCLE | CAR | LGV | OGV1 | OGV2 | BUS | TOTAL | PCUs  | PED        | CYCLE | M/CYCLE | CAR | LGV | OGV1 | OGV2 | BUS | TOTAL | PCUs  |
| 07:00 - 07:15 | 0          | 0     | 0       | 2   | 0   | 0    | 0    | 0   | 2     | 2.0   | 0          | 0     | 0       | 3   | 1   | 0    | 0    | 0   | 4     | 4.0   |
| 07:15 - 07:30 | 0          | 0     | 0       | 3   | 1   | 0    | 0    | 0   | 4     | 4.0   | 0          | 0     | 0       | 2   | 0   | 0    | 0    | 0   | 2     | 2.0   |
| 07:30 - 07:45 | 0          | 0     | 0       | 1   | 1   | 0    | 0    | 0   | 2     | 2.0   | 0          | 0     | 1       | 10  | 1   | 0    | 0    | 0   | 12    | 11.4  |
| 07:45 - 08:00 | 0          | 0     | 0       | 3   | 1   | 0    | 0    | 0   | 4     | 4.0   | 0          | 0     | 0       | 5   | 0   | 1    | 1    | 0   | 7     | 8.8   |
| Hourly Total  | 0          | 0     | 0       | 9   | 3   | 0    | 0    | 0   | 12    | 12.0  | 0          | 0     | 1       | 20  | 2   | 1    | 1    | 0   | 25    | 26.2  |
| 08:00 - 08:15 | 0          | 0     | 0       | 4   | 0   | 0    | 0    | 0   | 4     | 4.0   | 0          | 0     | 0       | 10  | 1   | 0    | 0    | 1   | 12    | 13.0  |
| 08:15 - 08:30 | 0          | 0     | 0       | 12  | 1   | 0    | 0    | 0   | 13    | 13.0  | 0          | 0     | 0       | 12  | 1   | 0    | 0    | 0   | 13    | 13.0  |
| 08:30 - 08:45 | 0          | 0     | 0       | 16  | 1   | 0    | 0    | 0   | 17    | 17.0  | 0          | 0     | 0       | 7   | 2   | 0    | 0    | 0   | 9     | 9.0   |
| 08:45 - 09:00 | 0          | 0     | 0       | 12  | 1   | 1    | 0    | 0   | 14    | 14.5  | 0          | 0     | 1       | 9   | 0   | 0    | 0    | 0   | 10    | 9.4   |
| Hourly Total  | 0          | 0     | 0       | 44  | 3   | 1    | 0    | 0   | 48    | 48.5  | 0          | 0     | 1       | 38  | 4   | 0    | 0    | 1   | 44    | 44.4  |
| 09:00 - 09:15 | 0          | 0     | 0       | 7   | 0   | 0    | 0    | 0   | 7     | 7.0   | 0          | 0     | 0       | 9   | 1   | 0    | 0    | 0   | 10    | 10.0  |
| 09:15 - 09:30 | 0          | 0     | 0       | 3   | 1   | 0    | 0    | 0   | 4     | 4.0   | 0          | 0     | 0       | 9   | 3   | 0    | 1    | 0   | 13    | 14.3  |
| 09:30 - 09:45 | 0          | 0     | 0       | 2   | 1   | 0    | 0    | 0   | 3     | 3.0   | 0          | 0     | 0       | 3   | 0   | 0    | 0    | 0   | 3     | 3.0   |
| 09:45 - 10:00 | 0          | 0     | 0       | 4   | 1   | 0    | 0    | 0   | 5     | 5.0   | 0          | 0     | 0       | 5   | 0   | 0    | 0    | 1   | 6     | 7.0   |
| Hourly Total  | 0          | 0     | 0       | 16  | 3   | 0    | 0    | 0   | 19    | 19.0  | 0          | 0     | 0       | 26  | 4   | 0    | 1    | 1   | 32    | 34.3  |
| 10:00 - 10:15 | 0          | 0     | 0       | 2   | 2   | 0    | 0    | 0   | 4     | 4.0   | 0          | 0     | 0       | 7   | 1   | 0    | 1    | 0   | 9     | 10.3  |
| 10:15 - 10:30 | 0          | 0     | 0       | 2   | 1   | 1    | 0    | 0   | 4     | 4.5   | 0          | 0     | 0       | 4   | 2   | 0    | 0    | 0   | 6     | 6.0   |
| 10:30 - 10:45 | 0          | 0     | 0       | 3   | 1   | 0    | 0    | 0   | 4     | 4.0   | 0          | 0     | 0       | 2   | 1   | 0    | 0    | 0   | 3     | 3.0   |
| 10:45 - 11:00 | 0          | 0     | 0       | 3   | 2   | 1    | 0    | 0   | 6     | 6.5   | 0          | 0     | 0       | 4   | 0   | 0    | 0    | 0   | 4     | 4.0   |
| Hourly Total  | 0          | 0     | 0       | 10  | 6   | 2    | 0    | 0   | 18    | 19.0  | 0          | 0     | 0       | 17  | 4   | 0    | 1    | 0   | 22    | 23.3  |
| 11:00 - 11:15 | 0          | 1     | 0       | 6   | 1   | 0    | 0    | 0   | 8     | 7.2   | 0          | 0     | 0       | 4   | 0   | 0    | 0    | 0   | 4     | 4.0   |
| 11:15 - 11:30 | 0          | 0     | 0       | 6   | 0   | 0    | 0    | 0   | 6     | 6.0   | 0          | 0     | 0       | 4   | 3   | 0    | 0    | 0   | 7     | 7.0   |
| 11:30 - 11:45 | 0          | 0     | 0       | 8   | 1   | 1    | 0    | 0   | 10    | 10.5  | 0          | 0     | 0       | 6   | 0   | 0    | 0    | 0   | 6     | 6.0   |
| 11:45 - 12:00 | 0          | 0     | 0       | 6   | 0   | 2    | 0    | 0   | 8     | 9.0   | 0          | 0     | 0       | 4   | 1   | 0    | 0    | 0   | 5     | 5.0   |
| Hourly Total  | 0          | 1     | 0       | 26  | 2   | 3    | 0    | 0   | 32    | 32.7  | 0          | 0     | 0       | 18  | 4   | 0    | 0    | 0   | 22    | 22.0  |
| 12:00 - 12:15 | 0          | 0     | 0       | 5   | 1   | 0    | 1    | 0   | 7     | 8.3   | 0          | 0     | 0       | 4   | 0   | 1    | 0    | 0   | 5     | 5.5   |
| 12:15 - 12:30 | 0          | 0     | 0       | 3   | 0   | 1    | 0    | 0   | 4     | 4.5   | 0          | 0     | 0       | 5   | 0   | 0    | 0    | 0   | 5     | 5.0   |
| 12:30 - 12:45 | 0          | 0     | 0       | 6   | 2   | 0    | 0    | 0   | 8     | 8.0   | 0          | 0     | 0       | 7   | 1   | 1    | 0    | 0   | 9     | 9.5   |
| 12:45 - 13:00 | 0          | 0     | 0       | 6   | 0   | 1    | 0    | 0   | 7     | 7.5   | 0          | 0     | 0       | 6   | 0   | 1    | 1    | 0   | 8     | 9.8   |
| Hourly Total  | 0          | 0     | 0       | 20  | 3   | 2    | 1    | 0   | 26    | 28.3  | 0          | 0     | 0       | 22  | 1   | 3    | 1    | 0   | 27    | 29.8  |
| 13:00 - 13:15 | 0          | 0     | 0       | 8   | 0   | 0    | 1    | 0   | 9     | 10.3  | 0          | 0     | 0       | 4   | 1   | 1    | 0    | 0   | 6     | 6.5   |
| 13:15 - 13:30 | 0          | 0     | 0       | 4   | 1   | 0    | 0    | 0   | 5     | 5.0   | 0          | 0     | 0       | 9   | 1   | 0    | 0    | 0   | 10    | 10.0  |
| 13:30 - 13:45 | 0          | 0     | 0       | 9   | 2   | 0    | 0    | 0   | 11    | 11.0  | 0          | 0     | 0       | 6   | 0   | 0    | 0    | 0   | 6     | 6.0   |
| 13:45 - 14:00 | 0          | 0     | 0       | 6   | 0   | 0    | 1    | 1   | 8     | 10.3  | 0          | 0     | 0       | 4   | 2   | 0    | 0    | 0   | 6     | 6.0   |
| Hourly Total  | 0          | 0     | 0       | 27  | 3   | 0    | 2    | 1   | 33    | 36.6  | 0          | 0     | 0       | 23  | 4   | 1    | 0    | 0   | 28    | 28.5  |
| 14:00 - 14:15 | 0          | 0     | 0       | 6   | 2   | 0    | 0    | 0   | 8     | 8.0   | 0          | 0     | 0       | 10  | 0   | 0    | 1    | 0   | 11    | 12.3  |
| 14:15 - 14:30 | 0          | 0     | 0       | 7   | 2   | 0    | 0    | 0   | 9     | 9.0   | 0          | 0     | 0       | 4   | 1   | 1    | 1    | 0   | 7     | 8.8   |
| 14:30 - 14:45 | 0          | 0     | 0       | 6   | 1   | 0    | 0    | 0   | 7     | 7.0   | 0          | 0     | 0       | 4   | 1   | 0    | 0    | 0   | 5     | 5.0   |
| 14:45 - 15:00 | 0          | 0     | 0       | 7   | 1   | 0    | 0    | 0   | 8     | 8.0   | 0          | 0     | 0       | 3   | 1   | 0    | 0    | 0   | 4     | 4.0   |
| Hourly Total  | 0          | 0     | 0       | 26  | 6   | 0    | 0    | 0   | 32    | 32.0  | 0          | 0     | 0       | 21  | 3   | 1    | 2    | 0   | 27    | 30.1  |
| 15:00 - 15:15 | 0          | 0     | 0       | 14  | 4   | 0    | 0    | 0   | 18    | 18.0  | 0          | 0     | 0       | 8   | 1   | 0    | 0    | 0   | 9     | 9.0   |
| 15:15 - 15:30 | 0          | 0     | 0       | 13  | 0   | 1    | 1    | 0   | 15    | 16.8  | 0          | 0     | 0       | 10  | 2   | 0    | 0    | 0   | 12    | 12.0  |
| 15:30 - 15:45 | 0          | 0     | 0       | 12  | 1   | 0    | 0    | 1   | 14    | 15.0  | 0          | 0     | 0       | 5   | 0   | 0    | 0    | 0   | 5     | 5.0   |
| 15:45 - 16:00 | 0          | 0     | 0       | 5   | 0   | 0    | 0    | 0   | 5     | 5.0   | 0          | 0     | 0       | 5   | 0   | 0    | 0    | 0   | 5     | 5.0   |
| Hourly Total  | 0          | 0     | 0       | 44  | 5   | 1    | 1    | 1   | 52    | 54.8  | 0          | 0     | 0       | 28  | 3   | 0    | 0    | 0   | 31    | 31.0  |
| 16:00 - 16:15 | 0          | 0     | 1       | 8   | 1   | 0    | 0    | 0   | 10    | 9.4   | 0          | 0     | 0       | 6   | 1   | 0    | 0    | 0   | 7     | 7.0   |
| 16:15 - 16:30 | 0          | 0     | 0       | 9   | 1   | 0    | 0    | 0   | 10    | 10.0  | 0          | 0     | 0       | 8   | 2   | 0    | 1    | 0   | 11    | 12.3  |
| 16:30 - 16:45 | 0          | 0     | 0       | 13  | 2   | 0    | 0    | 0   | 15    | 15.0  | 0          | 0     | 0       | 7   | 2   | 0    | 0    | 0   | 9     | 9.0   |
| 16:45 - 17:00 | 0          | 0     | 0       | 12  | 0   | 0    | 0    | 0   | 12    | 12.0  | 0          | 0     | 0       | 8   | 1   | 0    | 0    | 0   | 9     | 9.0   |
| Hourly Total  | 0          | 0     | 1       | 42  | 4   | 0    | 0    | 0   | 47    | 46.4  | 0          | 0     | 0       | 29  | 6   | 0    | 1    | 0   | 36    | 37.3  |
| 17:00 - 17:15 | 0          | 0     | 1       | 13  | 0   | 0    | 0    | 0   | 14    | 13.4  | 0          | 0     | 0       | 3   | 0   | 1    | 0    | 0   | 4     | 4.5   |
| 17:15 - 17:30 | 0          | 0     | 0       | 6   | 0   | 0    | 0    | 0   | 6     | 6.0   | 0          | 0     | 0       | 10  | 1   | 0    | 0    | 0   | 11    | 11.0  |
| 17:30 - 17:45 | 0          | 0     | 0       | 9   | 0   | 0    | 0    | 0   | 9     | 9.0   | 0          | 0     | 0       | 10  | 0   | 0    | 0    | 0   | 10    | 10.0  |
| 17:45 - 18:00 | 0          | 0     | 0       | 6   | 0   | 0    | 0    | 0   | 6     | 6.0   | 0          | 0     | 0       | 1   | 1   | 0    | 0    | 0   | 2     | 2.0   |
| Hourly Total  | 0          | 0     | 1       | 34  | 0   | 0    | 0    | 0   | 35    | 34.4  | 0          | 0     | 0       | 24  | 2   | 1    | 0    | 0   | 27    | 27.5  |
| 18:00 - 18:15 | 0          | 0     | 0       | 5   | 0   | 0    | 0    | 0   | 5     | 5.0   | 0          | 0     | 0       | 10  | 1   | 0    | 0    | 0   | 11    | 11.0  |
| 18:15 - 18:30 | 0          | 0     | 0       | 11  | 0   | 0    | 0    | 0   | 11    | 11.0  | 0          | 0     | 0       | 6   | 1   | 0    | 0    | 0   | 7     | 7.0   |
| 18:30 - 18:45 | 0          | 0     | 0       | 7   | 0   | 0    | 0    | 0   | 7     | 7.0   | 0          | 0     | 0       | 3   | 0   | 0    | 0    | 0   | 3     | 3.0   |
| 18:45 - 19:00 | 0          | 0     | 0       | 3   | 0   | 0    | 0    | 0   | 3     | 3.0   | 0          | 0     | 0       | 4   | 1   | 0    | 0    | 0   | 5     | 5.0   |
| Hourly Total  | 0          | 0     | 0       | 26  | 0   | 0    | 0    | 0   | 26    | 26.0  | 0          | 0     | 0       | 23  | 3   | 0    | 0    | 0   | 26    | 26.0  |
| TOTAL         | 0          | 1     | 2       | 324 | 38  | 9    | 4    | 2   | 380   | 389.7 | 0          | 0     | 2       | 289 | 40  | 7    | 7    | 2   | 347   | 360.4 |

| PCU Factors: |     |
|--------------|-----|
| PED          | 0.0 |
| CYCLE        | 0.2 |
| M/CYCLE      | 0.4 |
| CAR          | 1.0 |
| LGV          | 1.0 |
| OGV1         | 1.5 |
| OGV2         | 2.3 |
| BUS          | 2.0 |



From: 1) 07:00

To: 1) 19:00

Class: All Vehicles

Show Peak Hour: ☐

Show PCUs: ☒

Tuesday 17th January 2023

PCUs

|              |
|--------------|
|              |
| 389.7        |
| 380          |
| Ashwell Road |



|              |
|--------------|
| Ashwell Road |
| 347          |
| 360.4        |



Bygrave

Tuesday 17th January 2023

Junction: 2

|                     | Footpath to Ashwell<br>Road (South) | Ashwell Road (South)<br>to Footpath |
|---------------------|-------------------------------------|-------------------------------------|
| TIME                | PED                                 | PED                                 |
| 07:00 - 07:15       | 0                                   | 0                                   |
| 07:15 - 07:30       | 0                                   | 0                                   |
| 07:30 - 07:45       | 0                                   | 0                                   |
| 07:45 - 08:00       | 0                                   | 1                                   |
| <b>Hourly Total</b> | <b>0</b>                            | <b>1</b>                            |
| 08:00 - 08:15       | 0                                   | 0                                   |
| 08:15 - 08:30       | 0                                   | 0                                   |
| 08:30 - 08:45       | 1                                   | 0                                   |
| 08:45 - 09:00       | 0                                   | 0                                   |
| <b>Hourly Total</b> | <b>1</b>                            | <b>0</b>                            |
| 09:00 - 09:15       | 0                                   | 0                                   |
| 09:15 - 09:30       | 0                                   | 0                                   |
| 09:30 - 09:45       | 0                                   | 0                                   |
| 09:45 - 10:00       | 0                                   | 0                                   |
| <b>Hourly Total</b> | <b>0</b>                            | <b>0</b>                            |
| 10:00 - 10:15       | 0                                   | 0                                   |
| 10:15 - 10:30       | 0                                   | 0                                   |
| 10:30 - 10:45       | 0                                   | 0                                   |
| 10:45 - 11:00       | 1                                   | 1                                   |
| <b>Hourly Total</b> | <b>1</b>                            | <b>1</b>                            |
| 11:00 - 11:15       | 0                                   | 0                                   |
| 11:15 - 11:30       | 0                                   | 0                                   |
| 11:30 - 11:45       | 0                                   | 2                                   |
| 11:45 - 12:00       | 0                                   | 2                                   |
| <b>Hourly Total</b> | <b>0</b>                            | <b>4</b>                            |
| 12:00 - 12:15       | 0                                   | 0                                   |
| 12:15 - 12:30       | 1                                   | 0                                   |
| 12:30 - 12:45       | 0                                   | 0                                   |
| 12:45 - 13:00       | 0                                   | 0                                   |
| <b>Hourly Total</b> | <b>1</b>                            | <b>0</b>                            |
| 13:00 - 13:15       | 0                                   | 0                                   |
| 13:15 - 13:30       | 1                                   | 0                                   |
| 13:30 - 13:45       | 0                                   | 0                                   |
| 13:45 - 14:00       | 0                                   | 0                                   |
| <b>Hourly Total</b> | <b>1</b>                            | <b>0</b>                            |
| 14:00 - 14:15       | 0                                   | 0                                   |
| 14:15 - 14:30       | 0                                   | 0                                   |
| 14:30 - 14:45       | 0                                   | 0                                   |
| 14:45 - 15:00       | 0                                   | 0                                   |
| <b>Hourly Total</b> | <b>0</b>                            | <b>0</b>                            |
| 15:00 - 15:15       | 0                                   | 0                                   |
| 15:15 - 15:30       | 0                                   | 0                                   |
| 15:30 - 15:45       | 0                                   | 0                                   |
| 15:45 - 16:00       | 0                                   | 1                                   |
| <b>Hourly Total</b> | <b>0</b>                            | <b>1</b>                            |
| 16:00 - 16:15       | 0                                   | 0                                   |
| 16:15 - 16:30       | 1                                   | 0                                   |
| 16:30 - 16:45       | 0                                   | 0                                   |
| 16:45 - 17:00       | 0                                   | 0                                   |
| <b>Hourly Total</b> | <b>1</b>                            | <b>0</b>                            |
| 17:00 - 17:15       | 0                                   | 0                                   |
| 17:15 - 17:30       | 0                                   | 1                                   |
| 17:30 - 17:45       | 1                                   | 0                                   |
| 17:45 - 18:00       | 0                                   | 0                                   |
| <b>Hourly Total</b> | <b>1</b>                            | <b>1</b>                            |
| 18:00 - 18:15       | 0                                   | 0                                   |
| 18:15 - 18:30       | 0                                   | 0                                   |
| 18:30 - 18:45       | 0                                   | 0                                   |
| 18:45 - 19:00       | 0                                   | 0                                   |
| <b>Hourly Total</b> | <b>0</b>                            | <b>0</b>                            |
| <b>TOTAL</b>        | <b>6</b>                            | <b>8</b>                            |