

## **Appendix 11**

### **Junction Capacity Modelling Summary**

| Arundel Road - Water Lane T-Junction<br>2011 Traffic Counts |                 |             |      |                 |             |      |
|-------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                             | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                             | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Arundel Road Left Turn                                      | 0               | 0.14        | 0.24 | 0               | 0.11        | 0.13 |
| Arundel Road Right Turn                                     | 1               | 0.25        | 0.51 | 5               | 0.23        | 0.28 |
| Right Turn to Arundel Road                                  | 1               | 0.15        | 0.32 | 0               | 0.13        | 0.15 |

| Arundel Road - Water Lane T-Junction<br>2013 Opening Year Base Flow |                 |             |      |                 |             |      |
|---------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                     | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                     | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Arundel Road Left Turn                                              | 0               | 0.14        | 0.25 | 0               | 0.11        | 0.13 |
| Arundel Road Right Turn                                             | 1               | 0.25        | 0.51 | 0               | 0.13        | 0.30 |
| Right Turn to Arundel Road                                          | 1               | 0.17        | 0.35 | 0               | 0.13        | 0.19 |

| Arundel Road - Water Lane T-Junction<br>2017 Future Year without Development |                 |             |      |                 |             |      |
|------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                              | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                              | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Arundel Road Left Turn                                                       | 0               | 0.14        | 0.24 | 0               | 0.11        | 0.14 |
| Arundel Road Right Turn                                                      | 1               | 0.23        | 0.54 | 0               | 0.13        | 0.51 |
| Right Turn to Arundel Road                                                   | 1               | 0.17        | 0.34 | 0               | 0.13        | 0.18 |

| High Street - Water Lane T-Junction<br>2011 Traffic Counts |                 |             |      |                 |             |      |
|------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                            | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                            | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| High Street                                                | 0               | 0.11        | 0.05 | 1               | 0.17        | 0.44 |
| Right Turn to High Street                                  | 0               | 0.13        | 0.18 | 0               | 0.13        | 0.18 |

| High Street - Water Lane T-Junction<br>2013 Opening Year Base Flow |                 |             |      |                 |             |      |
|--------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                    | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                    | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| High Street                                                        | 0               | 0.11        | 0.05 | 1               | 0.17        | 0.45 |
| Right Turn to High Street                                          | 0               | 0.13        | 0.18 | 0               | 0.13        | 0.17 |

| High Street - Water Lane T-Junction<br>2017 Future Year without Development |                 |             |      |                 |             |      |
|-----------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                             | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                             | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| High Street                                                                 | 0               | 0.11        | 0.05 | 1               | 0.18        | 0.47 |
| Right Turn to High Street                                                   | 0               | 0.13        | 0.19 | 0               | 0.13        | 0.17 |

| Weavers Hill - Water Lane T-Junction<br>2011 Traffic Counts |                 |             |      |                 |             |      |
|-------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                             | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                             | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Weavers Hill                                                | 0               | 0.15        | 0.25 | 0               | 0.14        | 0.19 |
| Right Turn to Weavers Hill                                  | 0               | 0.05        | 0.00 | 0               | 0.10        | 0.02 |

| Weavers Hill - Water Lane T-Junction<br>2013 Opening Year Base Flow |                 |             |      |                 |             |      |
|---------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                     | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                     | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Weavers Hill                                                        | 0               | 0.15        | 0.25 | 0               | 0.14        | 0.19 |
| Right Turn to Weavers Hill                                          | 0               | 0.05        | 0.00 | 0               | 0.10        | 0.02 |

| Weavers Hill - Water Lane T-Junction<br>2017 Future Year without Development |                 |             |      |                 |             |      |
|------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                              | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                              | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Weavers Hill                                                                 | 0               | 0.16        | 0.26 | 0               | 0.14        | 0.18 |
| Right Turn to Weavers Hill                                                   | 0               | 0.09        | 0.00 | 0               | 0.10        | 0.02 |

| Water Lane - A280 Angmering Bypass T-Junction<br>2011 Traffic Counts Calibrated Model |                 |             |      |                 |             |      |
|---------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                       | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                       | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Water Lane                                                                            | 5               | 0.43        | 0.54 | 1               | 0.25        | 0.45 |
| Right Turn to Water Lane                                                              | 1               | 0.14        | 0.43 | 4               | 0.29        | 0.59 |

| Water Lane - A280 Angmering Bypass T-Junction<br>2013 Opening Year Base Flow |                 |             |      |                 |             |      |
|------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                              | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                              | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Water Lane                                                                   | 5               | 0.44        | 0.54 | 1               | 0.30        | 0.46 |
| Right Turn to Water Lane                                                     | 1               | 0.14        | 0.44 | 4               | 0.26        | 0.51 |

| Water Lane - A280 Angmering Bypass T-Junction<br>2017 Future Year without Development |                 |             |      |                 |             |      |
|---------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                       | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                       | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Water Lane                                                                            | 6               | 0.50        | 0.58 | 1               | 0.21        | 0.45 |
| Right Turn to Water Lane                                                              | 1               | 0.15        | 0.45 | 5               | 0.33        | 0.64 |

| Arundel Road - Water Lane T-Junction<br>2013 Opening Year with Pre Travel Plan Development |                 |             |      |                 |             |      |
|--------------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                            | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                            | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Arundel Road Left Turn                                                                     | 0               | 0.14        | 0.22 | 0               | 0.11        | 0.13 |
| Arundel Road Right Turn                                                                    | 1               | 0.27        | 0.53 | 0               | 0.15        | 0.28 |
| Right Turn to Arundel Road                                                                 | 1               | 0.17        | 0.35 | 0               | 0.13        | 0.20 |

| Arundel Road - Water Lane T-Junction<br>2017 Future Year with Pre Travel Plan Development |                 |             |      |                 |             |      |
|-------------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                           | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                           | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Arundel Road Left Turn                                                                    | 0               | 0.14        | 0.24 | 0               | 0.11        | 0.14 |
| Arundel Road Right Turn                                                                   | 1               | 0.28        | 0.55 | 1               | 0.15        | 0.31 |
| Right Turn to Arundel Road                                                                | 1               | 0.18        | 0.36 | 0               | 0.14        | 0.21 |

| High Street - Water Lane T-Junction<br>2013 Opening Year with Pre Travel Plan Development |                 |             |      |                 |             |      |
|-------------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                           | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                           | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| High Street                                                                               | 0               | 0.11        | 0.10 | 1               | 0.17        | 0.45 |
| Right Turn to High Street                                                                 | 0               | 0.13        | 0.18 | 0               | 0.13        | 0.17 |

| High Street - Water Lane T-Junction<br>2017 Future Year with Pre Travel Plan Development |                 |             |      |                 |             |      |
|------------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                          | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                          | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| High Street                                                                              | 0               | 0.11        | 0.10 | 1               | 0.18        | 0.46 |
| Right Turn to High Street                                                                | 0               | 0.13        | 0.15 | 0               | 0.13        | 0.17 |

| Weavers Hill - Water Lane T-Junction<br>2013 Opening Year with Pre Travel Plan Development |                 |             |      |                 |             |      |
|--------------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                            | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                            | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Weavers Hill                                                                               | 1               | 0.17        | 0.23 | 0               | 0.15        | 0.14 |
| Right Turn to Weavers Hill                                                                 | 0               | 0.09        | 0.00 | 0               | 0.10        | 0.02 |

| Weavers Hill - Water Lane T-Junction<br>2017 Future Year with Pre Travel Plan Development |                 |             |      |                 |             |      |
|-------------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                           | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                           | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Weavers Hill                                                                              | 1               | 0.18        | 0.24 | 0               | 0.15        | 0.14 |
| Right Turn to Weavers Hill                                                                | 0               | 0.05        | 0.00 | 0               | 0.11        | 0.02 |

| Water Lane - A280 Angmering Bypass T-Junction<br>2013 Opening Year with Pre Travel Plan Development |                 |             |      |                 |             |      |
|-----------------------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                                     | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                                     | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Water Lane                                                                                          | 5               | 0.42        | 0.52 | 1               | 0.21        | 0.50 |
| Right Turn to Water Lane                                                                            | 1               | 0.15        | 0.46 | 5               | 0.35        | 0.66 |

| Water Lane - A280 Angmering Bypass T-Junction<br>2017 Future Year with Pre Travel Plan Development |                 |             |      |                 |             |      |
|----------------------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                                    | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                                    | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Water Lane                                                                                         | 10              | 0.70        | 0.65 | 1               | 0.24        | 0.52 |
| Right Turn to Water Lane                                                                           | 1               | 0.15        | 0.48 | 7               | 0.40        | 0.56 |

| Arundel Road - Water Lane T-Junction<br>2013 Opening Year with Post Travel Plan Development |                 |             |      |                 |             |      |
|---------------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                             | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                             | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Arundel Road Left Turn                                                                      | 0               | 0.14        | 0.15 | 0               | 0.11        | 0.13 |
| Arundel Road Right Turn                                                                     | 1               | 0.27        | 0.53 | 0               | 0.15        | 0.25 |
| Right Turn to Arundel Road                                                                  | 1               | 0.17        | 0.35 | 0               | 0.13        | 0.20 |

| Arundel Road - Water Lane T-Junction<br>2017 Future Year with Post Travel Plan Development |                 |             |      |                 |             |      |
|--------------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                            | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                            | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Arundel Road Left Turn                                                                     | 0               | 0.14        | 0.24 | 0               | 0.11        | 0.14 |
| Arundel Road Right Turn                                                                    | 1               | 0.28        | 0.55 | 1               | 0.15        | 0.31 |
| Right Turn to Arundel Road                                                                 | 1               | 0.18        | 0.36 | 0               | 0.14        | 0.21 |

| High Street - Water Lane T-Junction<br>2013 Opening Year with Post Travel Plan Development |                 |             |      |                 |             |      |
|--------------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                            | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                            | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| High Street                                                                                | 0               | 0.11        | 0.10 | 1               | 0.17        | 0.45 |
| Right Turn to High Street                                                                  | 0               | 0.13        | 0.18 | 0               | 0.13        | 0.17 |

| High Street - Water Lane T-Junction<br>2017 Future Year with Post Travel Plan Development |                 |             |      |                 |             |      |
|-------------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                           | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                           | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| High Street                                                                               | 0               | 0.11        | 0.10 | 1               | 0.15        | 0.48 |
| Right Turn to High Street                                                                 | 0               | 0.13        | 0.19 | 2               | 0.13        | 0.17 |

| Weavers Hill - Water Lane T-Junction<br>2013 Opening Year with Post Travel Plan Development |                 |             |      |                 |             |      |
|---------------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                             | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                             | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Weavers Hill                                                                                | 1               | 0.17        | 0.23 | 0               | 0.15        | 0.13 |
| Right Turn to Weavers Hill                                                                  | 0               | 0.09        | 0.00 | 0               | 0.10        | 0.02 |

| Weavers Hill - Water Lane T-Junction<br>2017 Future Year with Post Travel Plan Development |                 |             |      |                 |             |      |
|--------------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                            | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                            | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Weavers Hill                                                                               | 1               | 0.17        | 0.24 | 0               | 0.15        | 0.14 |
| Right Turn to Weavers Hill                                                                 | 0               | 0.09        | 0.00 | 0               | 0.11        | 0.02 |

| Water Lane - A280 Angmering Bypass T-Junction<br>2013 Opening Year with Post Travel Plan Development |                 |             |      |                 |             |      |
|------------------------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                                      | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                                      | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Water Lane                                                                                           | 8               | 0.58        | 0.51 | 1               | 0.21        | 0.45 |
| Right Turn to Water Lane                                                                             | 1               | 0.15        | 0.46 | 5               | 0.34        | 0.55 |

| Water Lane - A280 Angmering Bypass T-Junction<br>2017 Future Year with Post Travel Plan Development |                 |             |      |                 |             |      |
|-----------------------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                                     | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                                     | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| Water Lane                                                                                          | 15              | 0.65        | 0.65 | 1               | 0.21        | 0.51 |
| Right Turn to Water Lane                                                                            | 1               | 0.15        | 0.48 | 7               | 0.39        | 0.58 |

| Station Road Roundabout<br>2011 Traffic Counts Calibrated Model |                 |             |      |                 |             |      |
|-----------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                 | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                 | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Roundstone Bypass                                          | 3               | 0.15        | 0.75 | 4               | 0.18        | 0.91 |
| Station Road (South)                                            | 1               | 0.18        | 0.54 | 2               | 0.25        | 0.63 |
| A259 New Road                                                   | 4               | 0.12        | 0.79 | 3               | 0.09        | 0.73 |
| Station Road (South)                                            | 2               | 0.42        | 0.76 | 4               | 0.49        | 0.90 |

| Station Road Roundabout<br>2013 Opening Year Base Flows |                 |             |      |                 |             |      |
|---------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                         | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                         | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Roundstone Bypass                                  | 3               | 0.15        | 0.75 | 4               | 0.19        | 0.92 |
| Station Road (South)                                    | 1               | 0.18        | 0.55 | 2               | 0.27        | 0.85 |
| A259 New Road                                           | 4               | 0.12        | 0.79 | 3               | 0.10        | 0.74 |
| Station Road (South)                                    | 3               | 0.44        | 0.78 | 4               | 0.49        | 0.81 |

| Station Road Roundabout<br>2017 Future Year without Development |                 |             |      |                 |             |      |
|-----------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                 | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                 | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Roundstone Bypass                                          | 4               | 0.19        | 0.79 | 5               | 0.23        | 0.89 |
| Station Road (South)                                            | 1               | 0.17        | 0.99 | 2               | 0.24        | 0.71 |
| A259 New Road                                                   | 5               | 0.14        | 0.92 | 3               | 0.11        | 0.77 |
| Station Road (South)                                            | 5               | 0.59        | 0.85 | 6               | 0.70        | 0.87 |

| Roundstone Lane Roundabout<br>2011 Traffic Counts Calibrated Model |                 |             |      |                 |             |      |
|--------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                    | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                    | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Roundstone Lane (East)                                        | 2               | 0.11        | 0.69 | 4               | 0.19        | 0.90 |
| Roundstone Lane (South)                                            | 0               | 0.10        | 0.30 | 0               | 0.10        | 0.17 |
| A259 Roundstone Lane (West)                                        | 1               | 0.09        | 0.56 | 3               | 0.09        | 0.63 |
| Roundstone Lane (North)                                            | 1               | 0.15        | 0.50 | 0               | 0.10        | 0.18 |

| Roundstone Lane Roundabout<br>2013 Opening Year Base Flows |                 |             |      |                 |             |      |
|------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                            | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                            | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Roundstone Lane (East)                                | 2               | 0.11        | 0.99 | 4               | 0.17        | 0.89 |
| Roundstone Lane (South)                                    | 0               | 0.11        | 0.30 | 0               | 0.10        | 0.17 |
| A259 Roundstone Lane (West)                                | 1               | 0.08        | 0.99 | 2               | 0.08        | 0.63 |
| Roundstone Lane (North)                                    | 1               | 0.19        | 0.51 | 0               | 0.11        | 0.29 |

| Roundstone Lane Roundabout<br>2017 Future Year without Development |                 |             |      |                 |             |      |
|--------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                    | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                    | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Roundstone Lane (East)                                        | 3               | 0.12        | 0.71 | 5               | 0.19        | 0.84 |
| Roundstone Lane (South)                                            | 0               | 0.11        | 0.52 | 0               | 0.19        | 0.19 |
| A259 Roundstone Lane (West)                                        | 2               | 0.09        | 0.61 | 2               | 0.09        | 0.65 |
| Roundstone Lane (North)                                            | 1               | 0.17        | 0.54 | 0               | 0.11        | 0.31 |

| A259 Agmering Bypass Roundabout<br>2011 Traffic Counts Calibrated Model |                 |             |      |                 |             |      |
|-------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                         | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                         | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Littlehampton Road                                                 | 3               | 0.17        | 0.77 | 9               | 0.41        | 0.91 |
| Old Worthing Road                                                       | 4               | 0.45        | 0.79 | 0               | 0.15        | 0.32 |
| A259 Roundstone Bypass                                                  | 2               | 0.08        | 0.69 | 1               | 0.09        | 0.54 |
| A260 Agmering Bypass                                                    | 2               | 0.39        | 0.93 | 4               | 0.48        | 0.83 |

| A259 Agmering Bypass Roundabout<br>2013 Opening Year Base Flows |                 |             |      |                 |             |      |
|-----------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                 | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                 | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Littlehampton Road                                         | 4               | 0.18        | 0.78 | 9               | 0.48        | 0.92 |
| Old Worthing Road                                               | 4               | 0.45        | 0.81 | 1               | 0.15        | 0.37 |
| A259 Roundstone Bypass                                          | 2               | 0.09        | 0.67 | 1               | 0.06        | 0.55 |
| A260 Agmering Bypass                                            | 3               | 0.39        | 0.61 | 5               | 0.52        | 0.64 |

| A259 Agmering Bypass Roundabout<br>2017 Future Year without Development |                 |             |      |                 |             |      |
|-------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                         | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                         | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Littlehampton Road                                                 | 4               | 0.20        | 0.81 | 15              | 0.67        | 0.56 |
| Old Worthing Road                                                       | 5               | 0.58        | 0.95 | 3               | 0.15        | 0.34 |
| A259 Roundstone Bypass                                                  | 2               | 0.09        | 0.70 | 1               | 0.08        | 0.57 |
| A260 Agmering Bypass                                                    | 2               | 0.35        | 0.66 | 7               | 0.72        | 0.59 |

| Station Road Roundabout<br>2013 Opening Year with Pre Travel Plan Development |                 |             |      |                 |             |      |
|-------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                               | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                               | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Roundstone Bypass                                                        | 3               | 0.15        | 0.77 | 5               | 0.19        | 0.92 |
| Station Road (South)                                                          | 1               | 0.18        | 0.55 | 3               | 0.28        | 0.66 |
| A259 New Road                                                                 | 4               | 0.12        | 0.79 | 5               | 0.10        | 0.74 |
| Station Road (South)                                                          | 3               | 0.45        | 0.78 | 4               | 0.52        | 0.92 |

| Station Road Roundabout<br>2017 Future Year with Pre Travel Plan Development |                 |             |      |                 |             |      |
|------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                              | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                              | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Roundstone Bypass                                                       | 4               | 0.19        | 0.81 | 5               | 0.24        | 0.89 |
| Station Road (South)                                                         | 1               | 0.17        | 0.70 | 2               | 0.16        | 0.72 |
| A259 New Road                                                                | 4               | 0.14        | 0.82 | 3               | 0.11        | 0.77 |
| Station Road (South)                                                         | 5               | 0.50        | 0.84 | 6               | 0.75        | 0.89 |

| Station Road Roundabout<br>2013 Opening Year with Post Travel Plan Development |                 |             |      |                 |             |      |
|--------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Roundstone Bypass                                                         | 3               | 0.16        | 0.77 | 3               | 0.19        | 0.82 |
| Station Road (South)                                                           | 1               | 0.18        | 0.58 | 3               | 0.28        | 0.66 |
| A259 New Road                                                                  | 4               | 0.12        | 0.79 | 3               | 0.10        | 0.74 |
| Station Road (South)                                                           | 3               | 0.45        | 0.78 | 4               | 0.81        | 0.82 |

| Station Road Roundabout<br>2017 Future Year with Post Travel Plan Development |                 |             |      |                 |             |      |
|-------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                               | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                               | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Roundstone Bypass                                                        | 4               | 0.19        | 0.81 | 5               | 0.24        | 0.86 |
| Station Road (South)                                                          | 1               | 0.17        | 0.59 | 2               | 0.16        | 0.72 |
| A259 New Road                                                                 | 5               | 0.14        | 0.82 | 3               | 0.11        | 0.77 |
| Station Road (South)                                                          | 5               | 0.60        | 0.84 | 6               | 0.74        | 0.88 |

| Roundstone Lane Roundabout<br>2013 Opening Year with Pre Travel Plan Development |                 |             |      |                 |             |      |
|----------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                  | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                  | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Roundstone Lane (East)                                                      | 2               | 0.12        | 0.79 | 4               | 0.18        | 0.92 |
| Roundstone Lane (South)                                                          | 0               | 0.11        | 0.31 | 0               | 0.10        | 0.19 |
| A259 Roundstone Lane (West)                                                      | 2               | 0.09        | 0.99 | 2               | 0.09        | 0.65 |
| Roundstone Lane (North)                                                          | 1               | 0.19        | 0.59 | 0               | 0.11        | 0.32 |

| Roundstone Lane Roundabout<br>2017 Future Year with Pre Travel Plan Development |                 |             |      |                 |             |      |
|---------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                 | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                 | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Roundstone Lane (East)                                                     | 3               | 0.12        | 0.72 | 5               | 0.25        | 0.89 |
| Roundstone Lane (South)                                                         | 1               | 0.11        | 0.33 | 0               | 0.11        | 0.20 |
| A259 Roundstone Lane (West)                                                     | 2               | 0.08        | 0.81 | 3               | 0.09        | 0.67 |
| Roundstone Lane (North)                                                         | 2               | 0.21        | 0.92 | 1               | 0.12        | 0.34 |

| Roundstone Lane Roundabout<br>2013 Opening Year with Post Travel Plan Development |                 |             |      |                 |             |      |
|-----------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                   | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                   | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Roundstone Lane (East)                                                       | 2               | 0.11        | 0.79 | 4               | 0.18        | 0.82 |
| Roundstone Lane (South)                                                           | 0               | 0.11        | 0.31 | 0               | 0.10        | 0.18 |
| A259 Roundstone Lane (West)                                                       | 2               | 0.08        | 0.99 | 2               | 0.08        | 0.64 |
| Roundstone Lane (North)                                                           | 1               | 0.18        | 0.58 | 0               | 0.11        | 0.33 |

| Roundstone Lane Roundabout<br>2017 Future Year with Post Travel Plan Development |                 |             |      |                 |             |      |
|----------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                  | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                  | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Roundstone Lane (East)                                                      | 3               | 0.13        | 0.72 | 5               | 0.22        | 0.89 |
| Roundstone Lane (South)                                                          | 1               | 0.11        | 0.33 | 0               | 0.11        | 0.29 |
| A259 Roundstone Lane (West)                                                      | 2               | 0.08        | 0.91 | 2               | 0.09        | 0.67 |
| Roundstone Lane (North)                                                          | 2               | 0.21        | 0.61 | 1               | 0.12        | 0.34 |

| A260 Agmering Bypass Roundabout<br>2013 Opening Year with Pre Travel Plan Development |                 |             |      |                 |             |      |
|---------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                       | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                       | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Littlehampton Road                                                               | 4               | 0.18        | 0.75 | 11              | 0.50        | 0.69 |
| Old Worthing Road                                                                     | 4               | 0.46        | 0.81 | 1               | 0.17        | 0.35 |
| A259 Roundstone Bypass                                                                | 2               | 0.09        | 0.69 | 1               | 0.05        | 0.75 |
| A260 Agmering Bypass                                                                  | 2               | 0.32        | 0.92 | 5               | 0.35        | 0.85 |

| A260 Agmering Bypass Roundabout<br>2017 Future Year with Pre Travel Plan Development |                 |             |      |                 |             |      |
|--------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                      | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                      | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Littlehampton Road                                                              | 4               | 0.21        | 0.81 | 17              | 0.75        | 0.57 |
| Old Worthing Road                                                                    | 5               | 0.69        | 0.85 | 1               | 0.16        | 0.38 |
| A259 Roundstone Bypass                                                               | 3               | 0.09        | 0.79 | 1               | 0.05        | 0.57 |
| A260 Agmering Bypass                                                                 | 2               | 0.17        | 0.67 | 7               | 0.78        | 0.50 |

| A260 Agmering Bypass Roundabout<br>2013 Opening Year with Post Travel Plan Development |                 |             |      |                 |             |      |
|----------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                        | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                        | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Littlehampton Road                                                                | 4               | 0.18        | 0.78 | 10              | 0.49        | 0.69 |
| Old Worthing Road                                                                      | 4               | 0.45        | 0.81 | 1               | 0.15        | 0.39 |
| A259 Roundstone Bypass                                                                 | 2               | 0.09        | 0.69 | 1               | 0.05        | 0.55 |
| A260 Agmering Bypass                                                                   | 2               | 0.31        | 0.92 | 5               | 0.58        | 0.65 |

| A260 Agmering Bypass Roundabout<br>2017 Future Year with Post Travel Plan Development |                 |             |      |                 |             |      |
|---------------------------------------------------------------------------------------|-----------------|-------------|------|-----------------|-------------|------|
|                                                                                       | Weekday AM Peak |             |      | Weekday PM Peak |             |      |
|                                                                                       | Queue (PCU)     | Delay (min) | RFC  | Queue (PCU)     | Delay (min) | RFC  |
| A259 Littlehampton Road                                                               | 4               | 0.21        | 0.81 | 17              | 0.75        | 0.57 |
| Old Worthing Road                                                                     | 5               | 0.69        | 0.89 | 1               | 0.17        | 0.38 |
| A259 Roundstone Bypass                                                                | 3               | 0.09        | 0.71 | 1               | 0.05        | 0.57 |
| A260 Agmering Bypass                                                                  | 2               | 0.17        | 0.67 | 7               | 0.77        | 0.50 |