



Link 1 – Norcutt Road  
(Eastern footway)



Link 2 – Norcutt Road  
(Western footway)



Link 3 – Edwin Road  
(Northern footway)



Link 4 – Edwin Road  
(Southern footway)



Link 5 – Crane Road  
(Western footway)



Link 6 – Crane Road  
(Eastern footway)



Link 7 – Colne Road  
(Northern footway)



Link 8 – Colne Road  
(Southern footway)



Link 9 – May Road  
(Western footway)



Link 10 – May Road  
(Eastern footway)



Link 11 – The Green (North of  
Twickenham Garden, northern footway)



Link 12 – The Green (North of  
Twickenham Garden, southern footway)



Link 13 – The Green (South of  
Twickenham Garden, northern footway)



Link 14 – The Green (South of  
Twickenham Garden, southern footway)



Link 15 – Lion Road  
(Western footway)



Link 16 – Lion Road  
(Eastern footway)



Link 17 – Heath Road  
(Southern footway)



Link 18 – Heath Road  
(Northern footway)



Link 19 – Radnor Road  
(Western footway)



Link 20 – Radnor Road  
(Eastern footway)



Link 21 – Pope's Avenue  
(Western footway)



Link 22 – Pope's Avenue  
(Eastern footway)



Link 23 – Tower Road  
(Northern footway)



Link 24 – Tower Road  
(Southern footway)



Link 25 – Strawberry Hill Road (Western footway)



Link 26 – Strawberry Hill Road (Eastern footway)



Link 27– Waldegrave Garden (Western footway)



Link 28– Waldegrave Garden (Eastern footway)



Link 29– Waldegrave Road (Western footway)



Link 30– Waldegrave Road (Eastern footway)

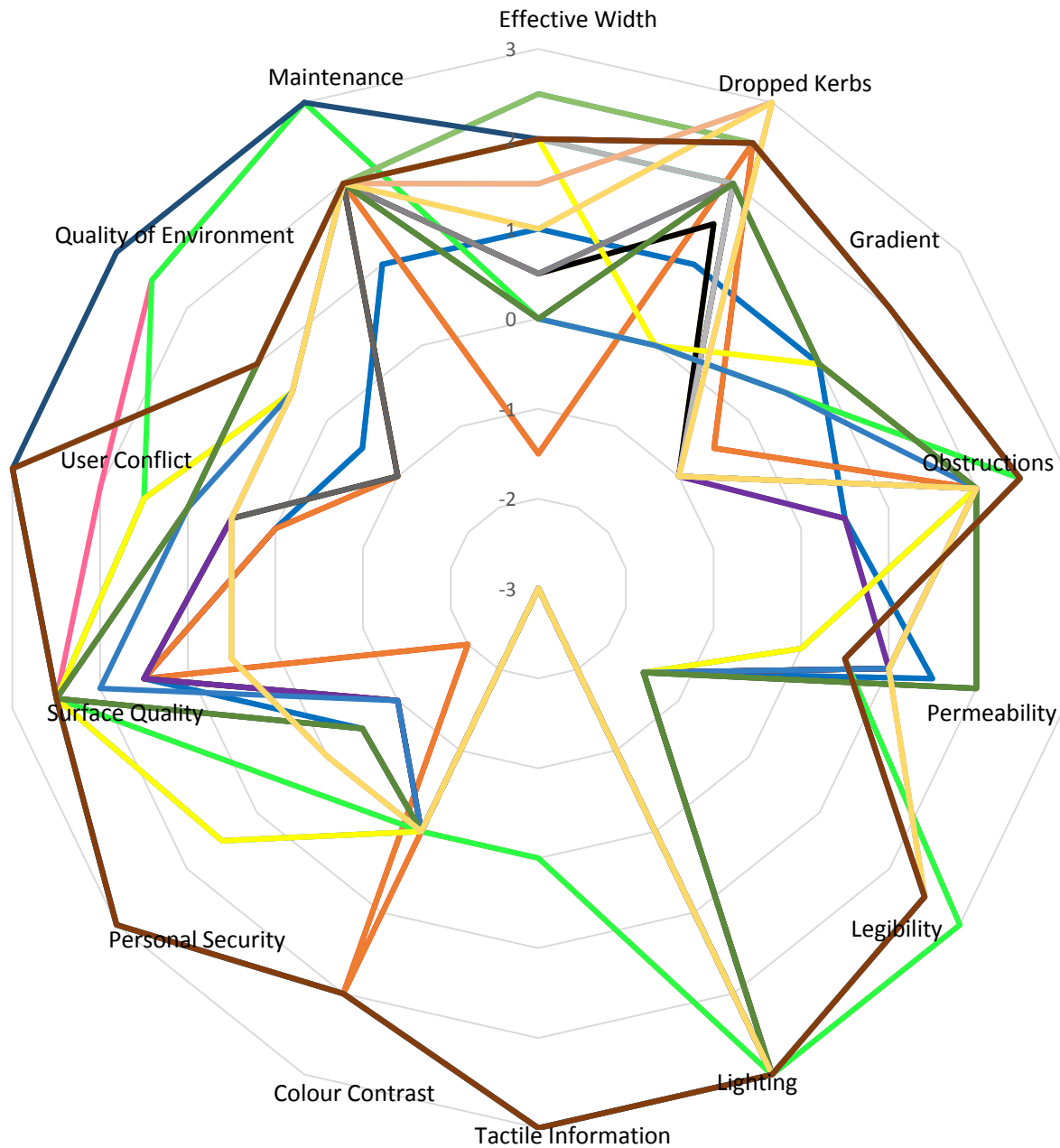


Link 31 – Cross Deep (Western footway)



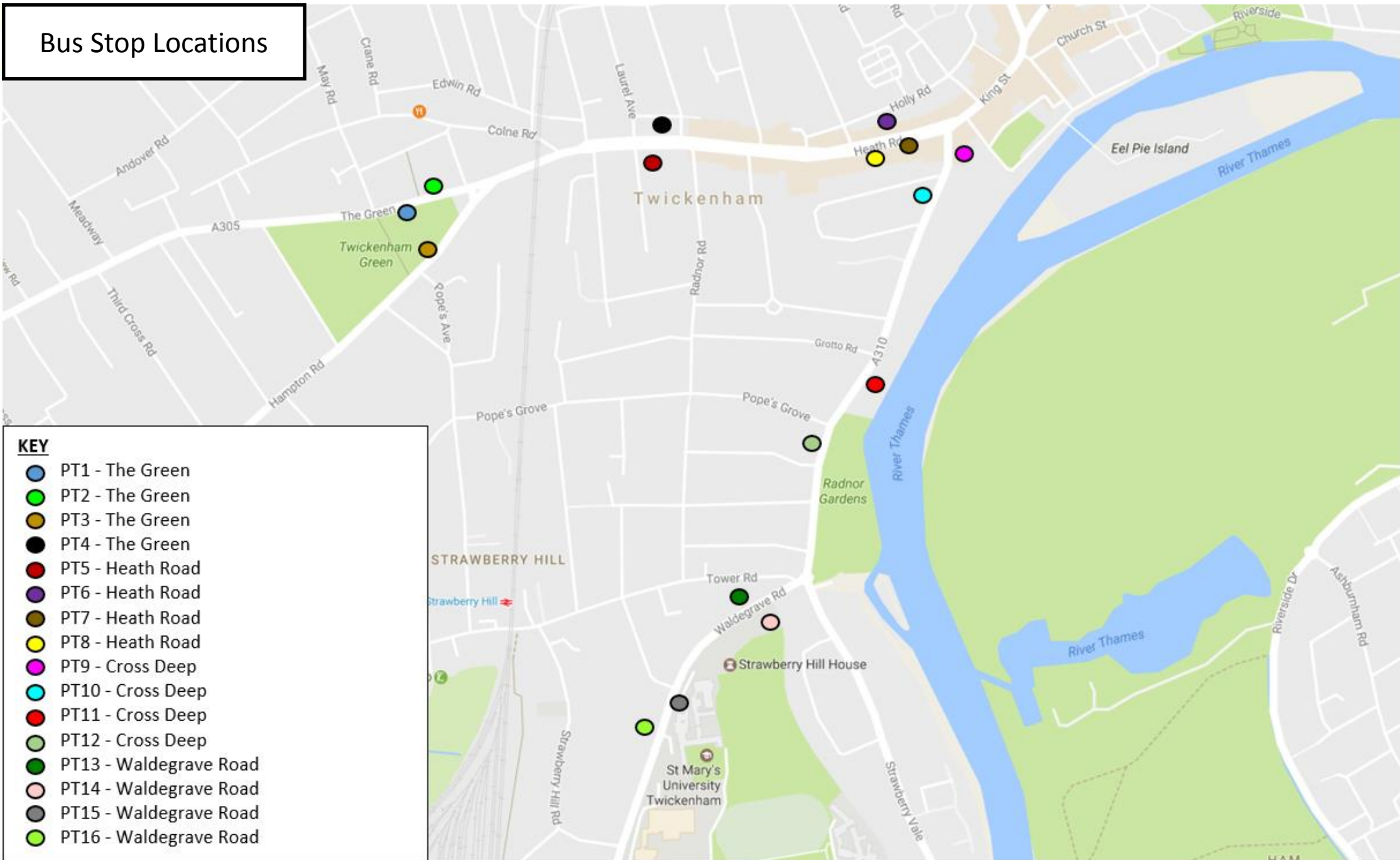
Link 32 – Cross Deep (Eastern footway)

# Pedestrian Links PERS Results



- Link 1 – Norcutt Road (Eastern footway)
- Link 2 – Norcutt Road (Western footway)
- Link 3 – Edwin Road (Northern footway)
- Link 4 – Edwin Road (Southern footway)
- Link 5 – Crane Road (Western footway)
- Link 6 – Crane Row (Eastern footway)
- Link 7 – Colne Road (Northern footway)
- Link 8 – Colne Road (Southern footway)
- Link 9 – May Road (Western footway)
- Link 10 – May Road (Eastern footway)
- Link 11 – The Green (Northern footway)
- Link 12 – The Green (Southern footway)
- Link 13 – The Green (Northern footway)
- Link 14 – The Green (Southern footway)
- Link 15 – Lion Road (Western footway)
- Link 16 – Lion Road (Eastern footway)
- Link 17 – Heath Road (Southern footway)
- Link 18 – Heath Road (Northern footway)
- Link 19 – Radnor Road (Western footway)
- Link 20 – Radnor Road (Eastern footway)
- Link 21 – Pope's Avenue (Western footway)

# Bus Stop Locations





PT1 – The Green, north of Twickenham Green, northern footway



PT2 – The Green, north of Twickenham Green, southern footway



PT3 – The Green, south of Twickenham Green, northern footway



PT4 – Heath Road, west of Grove Ave, northern footway



PT5 – Heath Road, east of Saville Road, southern footway



PT6 – Heath Road, West of Copthall Gardens, northern footway



PT7 – Heath Road, east of Cross Deep, southern footway



PT8 – Heath Road, east of Cross Deep, southern footway



PT9 – The Green, north of Twickenham Green, northern footway



PT10 – The Green, north of Twickenham Green, southern footway



PT11 – The Green, south of Twickenham Green, northern footway



PT12 – Heath Road, west of Grove Ave, northern footway



PT13 – Heath Road, east of Saville Road, southern footway



PT14 – Heath Road, West of Cophall Gardens, northern footway



PT15 – Heath Road, east of Cross Deep, southern footway

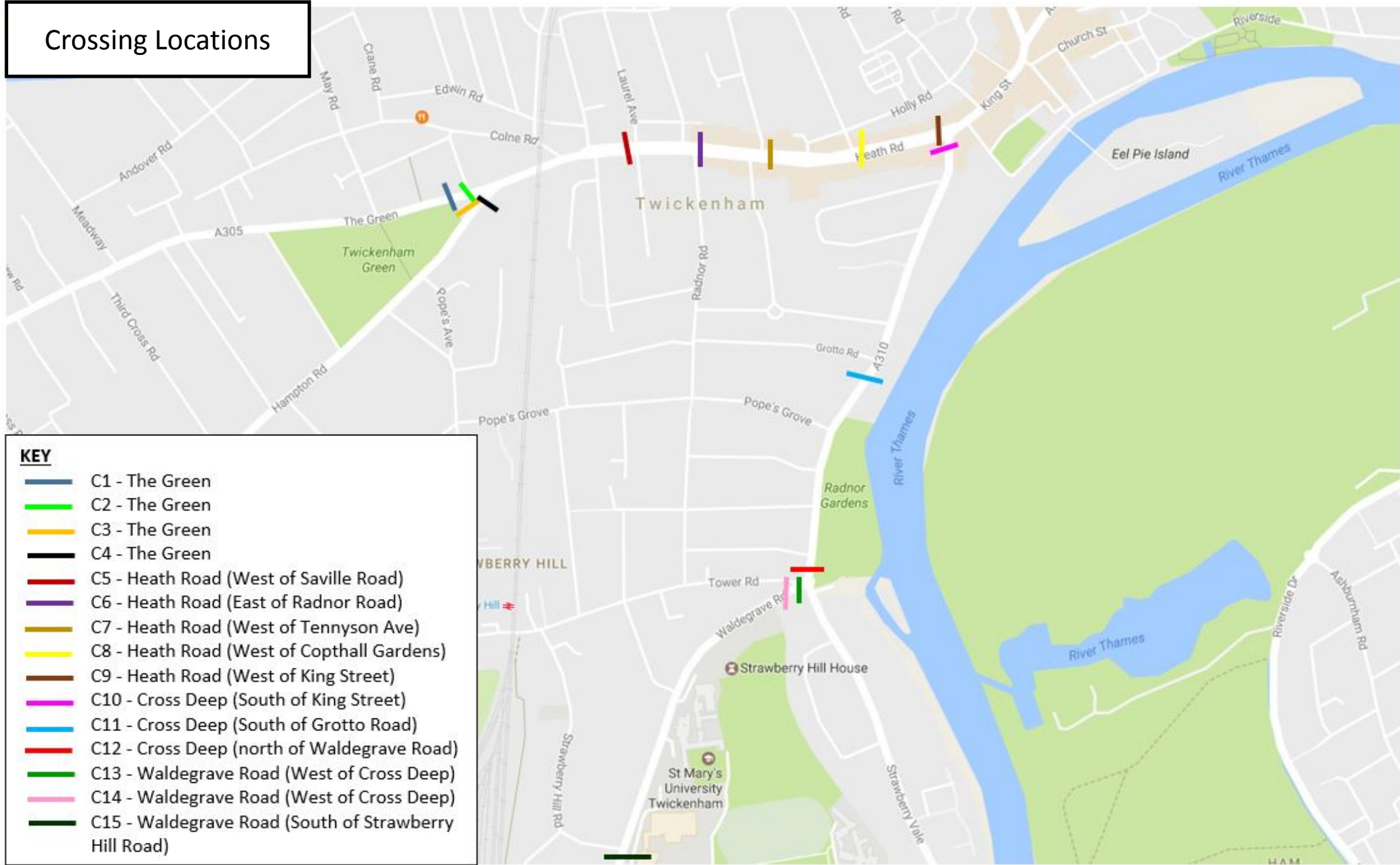


PT16 – Heath Road, east of Cross Deep, southern footway



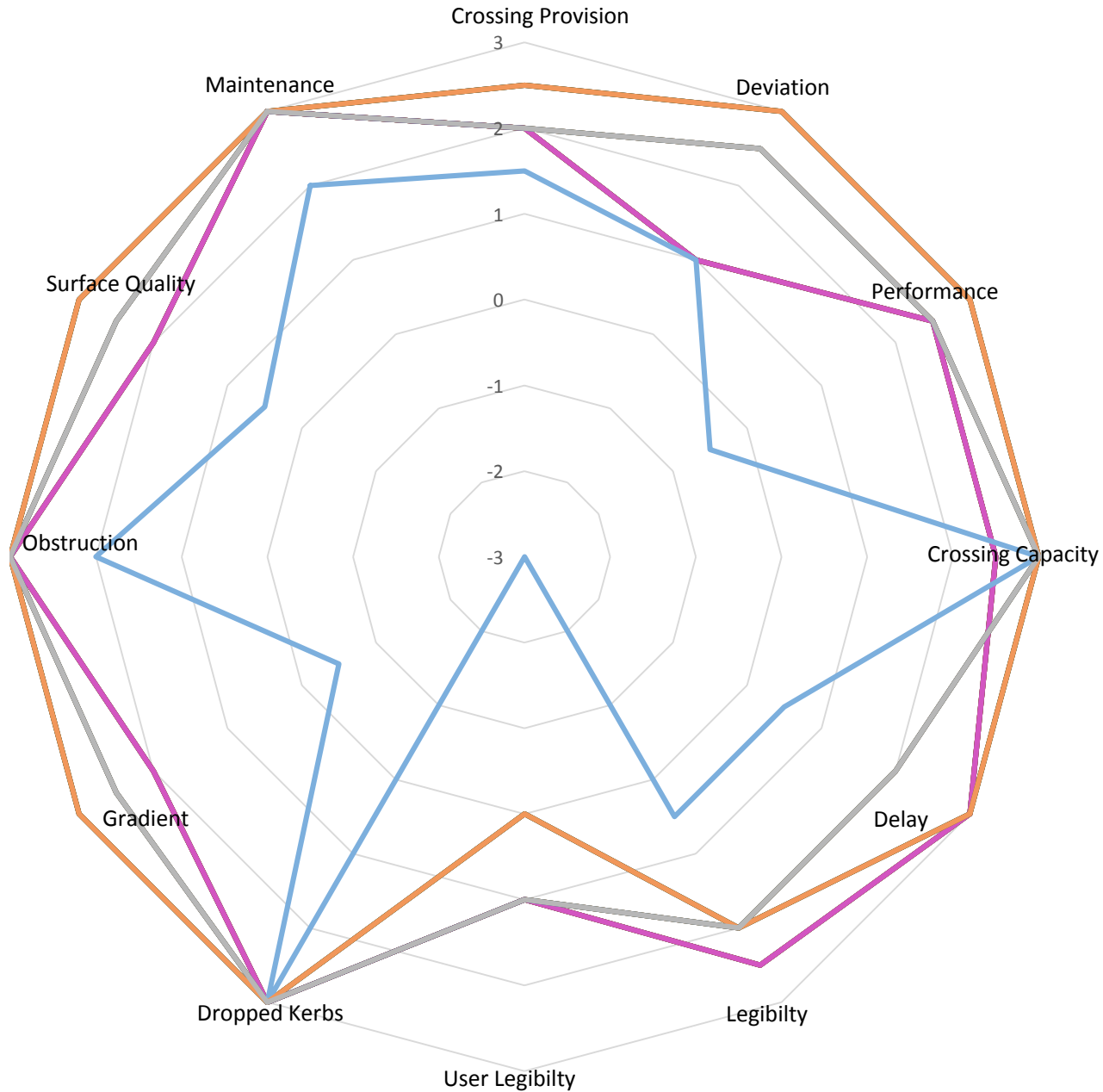


# Crossing Locations



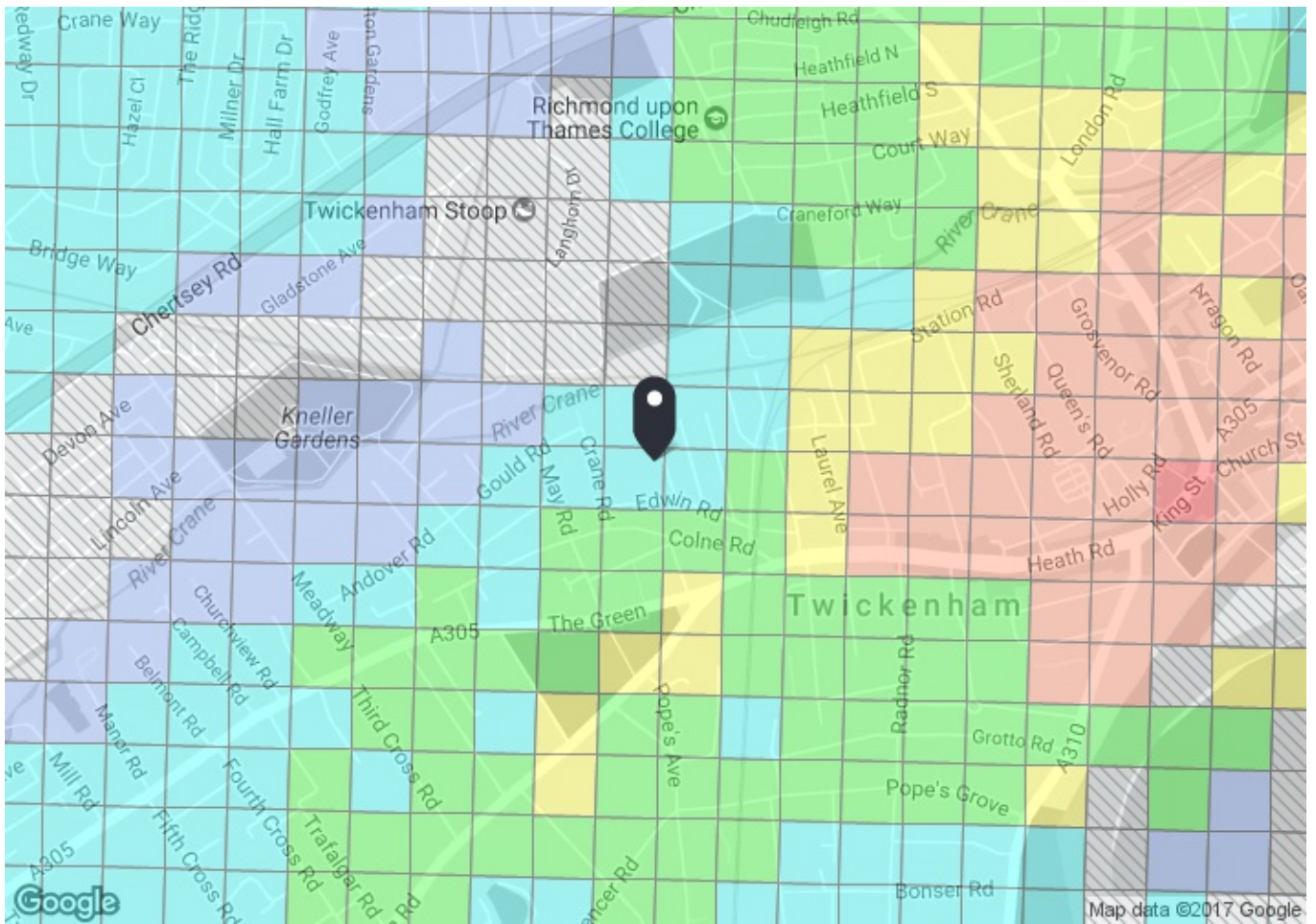
- KEY**
- C1 - The Green
  - C2 - The Green
  - C3 - The Green
  - C4 - The Green
  - C5 - Heath Road (West of Saville Road)
  - C6 - Heath Road (East of Radnor Road)
  - C7 - Heath Road (West of Tennyson Ave)
  - C8 - Heath Road (West of Copthall Gardens)
  - C9 - Heath Road (West of King Street)
  - C10 - Cross Deep (South of King Street)
  - C11 - Cross Deep (South of Grotto Road)
  - C12 - Cross Deep (north of Waldegrave Road)
  - C13 - Waldegrave Road (West of Cross Deep)
  - C14 - Waldegrave Road (West of Cross Deep)
  - C15 - Waldegrave Road (South of Strawberry Hill Road)

# Crossing Assessment PERS Results



- Crossing 1 - The Green
- Crossing 2 - The Green
- Crossing 3 - The Green
- Crossings 4 - The Green
- Crossing 5 - Heath Road (west of Saville Road)
- Crossing 6 - Heath Road (east of Radnor Road)
- Crossing 7 - Heath Road (west of Tennyson Ave)
- Crossing 8 - Heath Road (west of Copthall Gardens)
- Crossings 9 - Heath Road (west of King Street)
- Crossings 10 - Cross Deep
- Crossing 11 - Cross Deep (South of Grotto Road)
- Crossing 12 - Cross Deep (north of Waldegrave Road)
- Crossing 13 - Waldegrave Road (West of Cross Deep)
- Crossings 14 - Waldegrave Road (West of Cross Deep)
- Crossing 15 - Waldegrave Road (South of Strawberry Hill Road)

## Appendix E – PTAL Assessment



**PTAL output for Base Year**  
2

**TW2 6SR**  
Norcutt Rd, Twickenham TW2 6SR, UK  
Easting: 515383, Northing: 173265

Grid Cell: 45397

Report generated: 30/01/2017

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**Calculation Parameters**

|  |         |
|--|---------|
| Day of Week  | M-F     |
| Time Period  | AM Peak |
| Walk Speed   | 4.8 kph |
| Bus Node Max. Walk Access Time (mins)              | 8       |
| Bus Reliability Factor                             | 2.0     |
| LU Station Max. Walk Access Time (mins)            | 12      |
| LU Reliability Factor                              | 0.75    |
| National Rail Station Max. Walk Access Time (mins) | 12      |
| National Rail Reliability Factor                   | 0.75    |

**Map key - PTAL**

|           |    |
|-----------|----|
| 0 (Worst) | 1a |
| 1b        | 2  |
| 3         | 4  |
| 5         | 6a |
| 6b (Best) |    |

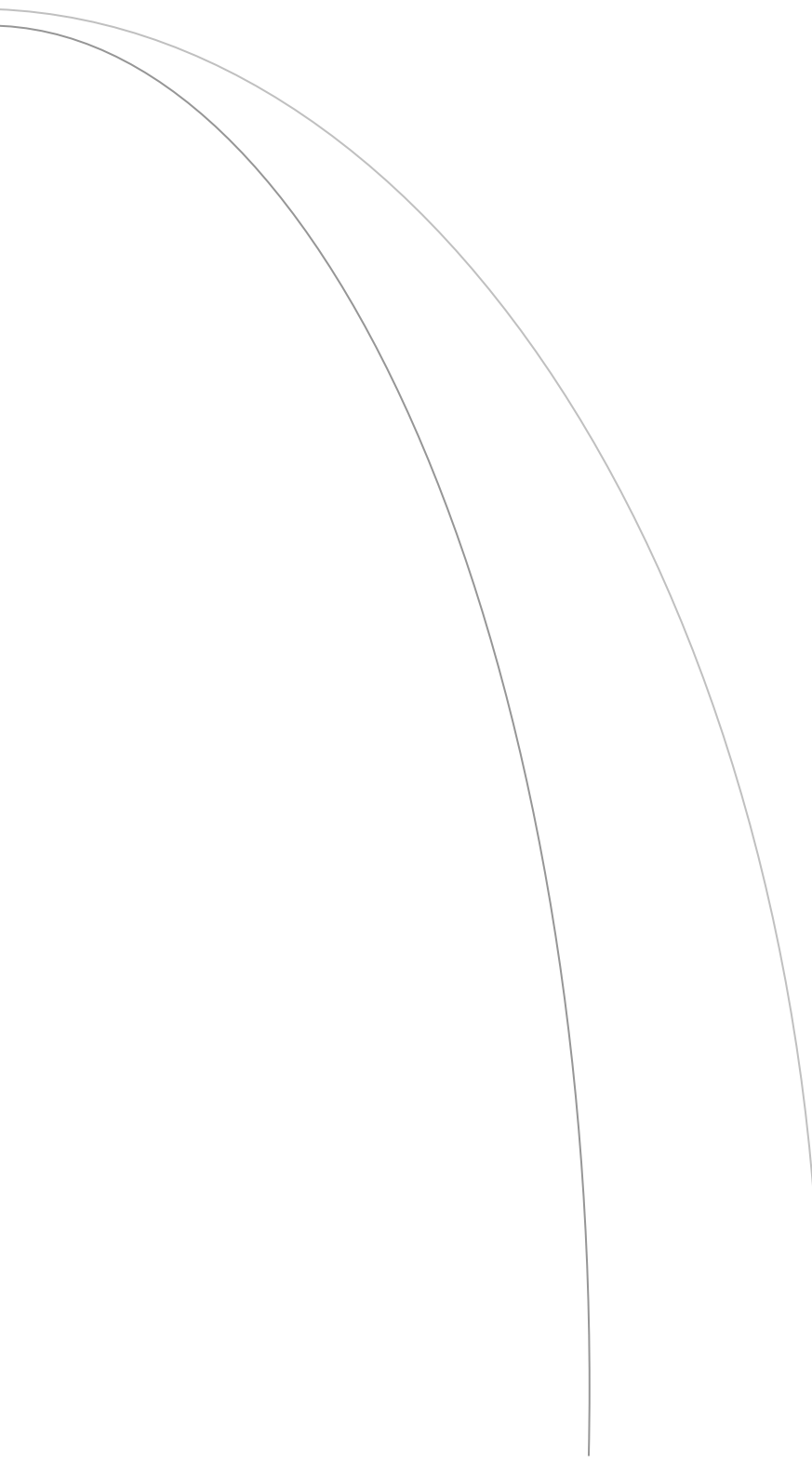
**Map layers**

- PTAL (cell size: 100m)

Calculation data

| Mode                       | Stop            | Route | Distance (metres) | Frequency(vph) | Walk Time (mins) | SWT (mins) | TAT (mins) | EDF  | Weight | AI          |
|----------------------------|-----------------|-------|-------------------|----------------|------------------|------------|------------|------|--------|-------------|
| Bus                        | TWCKENHAM GREEN | 290   | 452.01            | 3              | 5.65             | 12         | 17.65      | 1.7  | 0.5    | 0.85        |
| Bus                        | TWCKENHAM GREEN | 281   | 452.01            | 7.5            | 5.65             | 6          | 11.65      | 2.58 | 1      | 2.58        |
| Bus                        | TWCKENHAM GREEN | R70   | 452.01            | 6              | 5.65             | 7          | 12.65      | 2.37 | 0.5    | 1.19        |
| Bus                        | TWCKENHAM GREEN | 267   | 452.01            | 6              | 5.65             | 7          | 12.65      | 2.37 | 0.5    | 1.19        |
| Bus                        | TWCKENHAM GREEN | 110   | 404.43            | 3              | 5.06             | 12         | 17.06      | 1.76 | 0.5    | 0.88        |
| Bus                        | TWCKENHAM GREEN | 490   | 404.43            | 5              | 5.06             | 8          | 13.06      | 2.3  | 0.5    | 1.15        |
| Bus                        | TWCKENHAM GREEN | H22   | 404.43            | 5              | 5.06             | 8          | 13.06      | 2.3  | 0.5    | 1.15        |
| <b>Total Grid Cell AI:</b> |                 |       |                   |                |                  |            |            |      |        | <b>8.97</b> |

## Appendix F – Bus Map



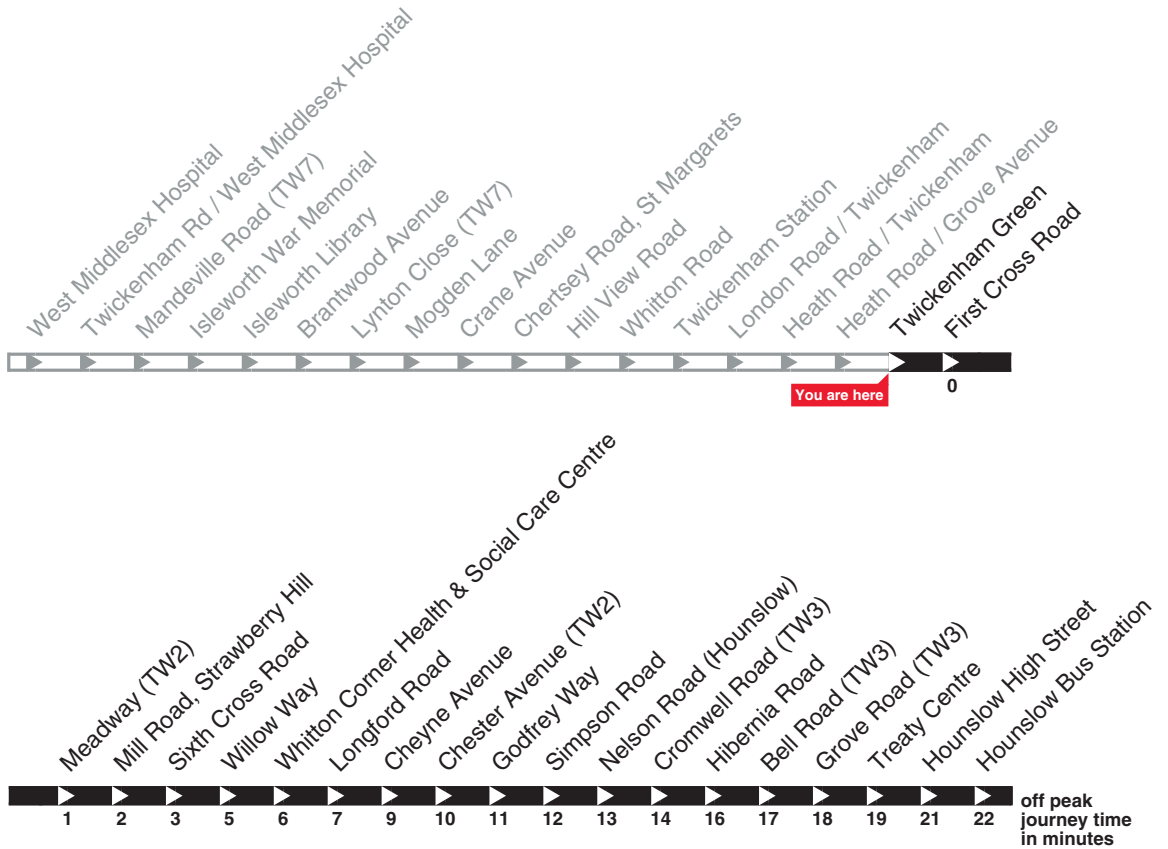
# London Buses

# 110

Daily



## Buses towards Hounslow Bus Station



### Monday to Friday

| First bus | 5 to 6am       | 6 to 7am       | 7 to 8am                         | 8 to 9am                | 9 to 10am               | 10am to 2pm                       | 2 to 3pm                | 3 to 4pm                | 4 to 6pm                          | 6 to 7pm                | 7 to 8pm                         | 8 to 9pm                | 9 to 10pm      | 10 to 11pm     | 11pm to Midnight | Last buses     |
|-----------|----------------|----------------|----------------------------------|-------------------------|-------------------------|-----------------------------------|-------------------------|-------------------------|-----------------------------------|-------------------------|----------------------------------|-------------------------|----------------|----------------|------------------|----------------|
| 04 51     | 05 21<br>05 51 | 06 21<br>06 42 | 07 00<br>07 17<br>07 34<br>07 53 | 08 13<br>08 33<br>08 55 | 09 12<br>09 31<br>09 50 | At these 10 minutes past the hour | 14 08<br>14 26<br>14 45 | 15 04<br>15 24<br>15 45 | At these 05 minutes past the hour | 18 05<br>18 25<br>18 44 | 19 03<br>19 23<br>19 41<br>19 59 | 20 19<br>20 37<br>20 56 | 21 21<br>21 52 | 22 22<br>22 51 | 23 21<br>23 51   | 00 21<br>00 51 |

### Saturday

| First bus | 5 to 7am                          | 7 to 8am       | 8 to 9am                | 9 to 11am                         | 11am to Midday                   | Midday to 2pm                     | 2 to 3pm                | 3 to 6pm                          | 6 to 7pm                | 7 to 8pm       | 8 to 9pm       | 9 to 10pm      | 10 to 11pm     | 11pm to Midnight | Last buses     |
|-----------|-----------------------------------|----------------|-------------------------|-----------------------------------|----------------------------------|-----------------------------------|-------------------------|-----------------------------------|-------------------------|----------------|----------------|----------------|----------------|------------------|----------------|
| 04 51     | At these 21 minutes past the hour | 07 21<br>07 42 | 08 02<br>08 22<br>08 40 | At these 00 minutes past the hour | 11 00<br>11 20<br>11 38<br>11 58 | At these 17 minutes past the hour | 14 18<br>14 38<br>14 59 | At these 19 minutes past the hour | 18 18<br>18 37<br>18 56 | 19 26<br>19 54 | 20 24<br>20 52 | 21 22<br>21 52 | 22 22<br>22 51 | 23 21<br>23 51   | 00 21<br>00 51 |

### Sunday

| First bus | 6 to 9am                          | 9 to 10am      | 10am to 1pm                       | 1 to 2pm       | 2 to 5pm                          | 5 to 6pm       | 6 to 7pm       | 7 to 8pm       | 8pm to Midnight                   | Last buses     |
|-----------|-----------------------------------|----------------|-----------------------------------|----------------|-----------------------------------|----------------|----------------|----------------|-----------------------------------|----------------|
| 05 51     | At these 21 minutes past the hour | 09 21<br>09 50 | At these 18 minutes past the hour | 13 18<br>13 50 | At these 20 minutes past the hour | 17 20<br>17 51 | 18 21<br>18 52 | 19 22<br>19 52 | At these 21 minutes past the hour | 00 21<br>00 51 |

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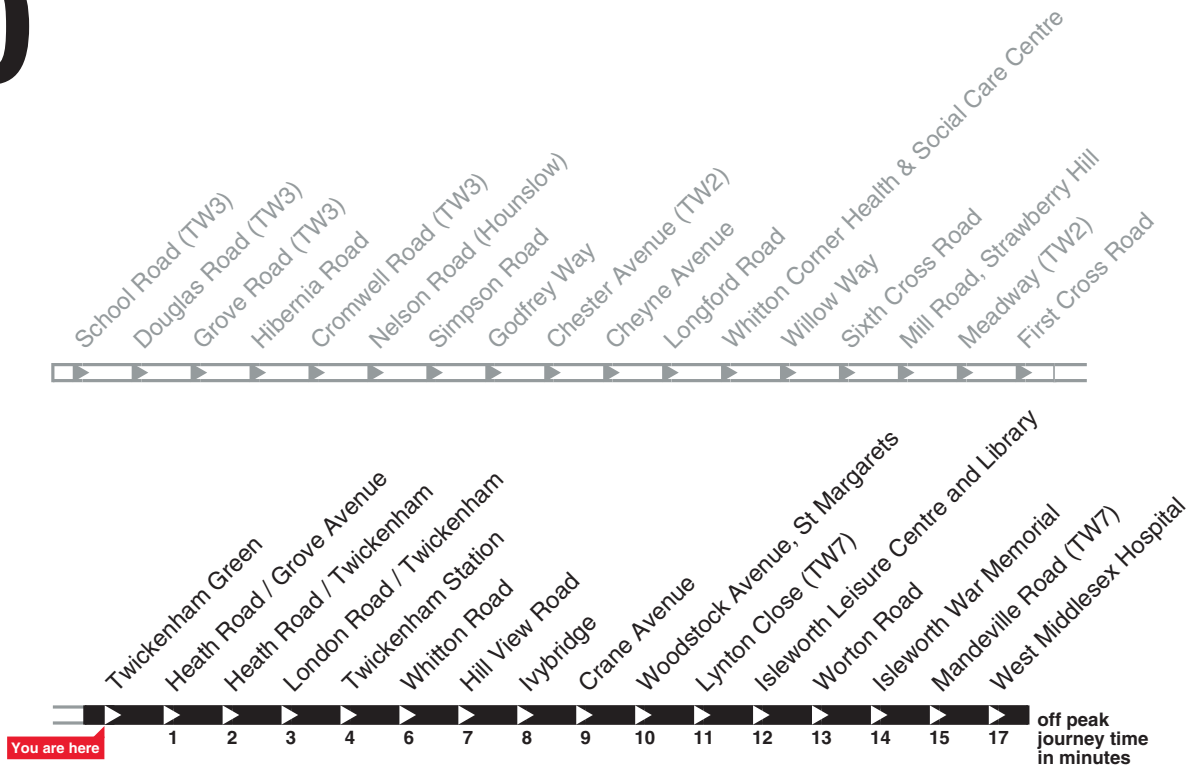
# London Buses

# 110

Daily



## Buses towards West Middlesex Hospital



| Monday to Friday |          |          |          |           |             |          |          |             |          |          |          |           |            |               |          |
|------------------|----------|----------|----------|-----------|-------------|----------|----------|-------------|----------|----------|----------|-----------|------------|---------------|----------|
| First buses      | 6 to 7am | 7 to 8am | 8 to 9am | 9 to 10am | 10am to 2pm | 2 to 3pm | 3 to 4pm | 4 to 6pm    | 6 to 7pm | 7 to 8pm | 8 to 9pm | 9 to 10pm | 10 to 11pm | 11pm to 1am   | Last bus |
| 05 14            | 06 16    | 07 10    | 08 07    | 09 06     | At these 19 | 14 21    | 15 00    | At these 19 | 18 19    | 19 14    | 20 10    | 21 07     | 22 15      | At these 13   | 01 13    |
| 05 45            | 06 45    | 07 28    | 08 27    | 09 20     | minutes 39  | 14 41    | 15 20    | minutes 39  | 18 37    | 19 34    | 20 29    | 21 27     | 22 43      | minutes 43    |          |
|                  |          | 07 47    | 08 47    | 09 39     | past the 59 |          | 15 40    | past the 59 | 18 54    | 19 52    | 20 47    | 21 47     |            | past the hour |          |
|                  |          |          |          | 09 59     | hour        |          | 15 59    | hour        |          |          |          |           |            |               |          |

| Saturday    |          |          |          |           |            |                |               |          |          |          |             |          |          |          |           |            |               |          |
|-------------|----------|----------|----------|-----------|------------|----------------|---------------|----------|----------|----------|-------------|----------|----------|----------|-----------|------------|---------------|----------|
| First buses | 6 to 7am | 7 to 8am | 8 to 9am | 9 to 10am | 10 to 11am | 11am to Midday | Midday to 1pm | 1 to 2pm | 2 to 3pm | 3 to 4pm | 4 to 6pm    | 6 to 7pm | 7 to 8pm | 8 to 9pm | 9 to 10pm | 10 to 11pm | 11pm to 1am   | Last bus |
| 05 13       | 06 12    | 07 14    | 08 06    | 09 05     | 10 04      | 11 03          | 12 04         | 13 06    | 14 06    | 15 04    | At these 03 | 18 03    | 19 01    | 20 12    | 21 13     | 22 14      | At these 13   | 01 13    |
| 05 42       | 06 43    | 07 45    | 08 27    | 09 25     | 10 24      | 11 23          | 12 25         | 13 26    | 14 25    | 15 23    | minutes 23  | 18 22    | 19 21    | 20 43    | 21 43     | 22 44      | minutes 43    |          |
|             |          |          | 08 47    | 09 45     | 10 43      | 11 43          | 12 46         | 13 46    | 14 45    | 15 43    | past the 43 | 18 41    | 19 41    |          |           |            | past the hour |          |

| Sunday      |          |          |           |            |                |               |               |               |          |          |          |           |            |               |          |
|-------------|----------|----------|-----------|------------|----------------|---------------|---------------|---------------|----------|----------|----------|-----------|------------|---------------|----------|
| First buses | 7 to 8am | 8 to 9am | 9 to 10am | 10 to 11am | 11am to Midday | Midday to 1pm | 1 to 3pm      | 3 to 6pm      | 6 to 7pm | 7 to 8pm | 8 to 9pm | 9 to 10pm | 10 to 11pm | 11pm to 1am   | Last bus |
| 06 13       | 07 13    | 08 13    | 09 16     | 10 18      | 11 17          | 12 16         | At these 18   | At these 17   | 18 16    | 19 15    | 20 15    | 21 14     | 22 12      | At these 13   | 01 13    |
| 06 43       | 07 43    | 08 45    | 09 48     | 10 47      | 11 47          | 12 47         | minutes 48    | minutes 47    | 18 45    | 19 45    | 20 44    | 21 44     | 22 43      | minutes 43    |          |
|             |          |          |           |            |                |               | past the hour | past the hour |          |          |          |           |            | past the hour |          |

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# London Buses

# 267

Daily



Buses towards Fulwell Bus Garage



## Mon-Fri Schooldays

| First buses    | 7 to 8am                         | 8am to 3pm  | 3 to 4pm                                  | 4 to 8pm  | 8 to 10pm  | 10 to 11pm                       | 11pm to Midnight                 | Midnight to 1am                  | Last bus |
|----------------|----------------------------------|---|---|---|--|----------------------------------|----------------------------------|----------------------------------|----------|
| 06 20<br>06 42 | 07 03<br>07 25<br>07 39<br>07 52 | <i>about every</i><br><b>8-11</b><br><i>minutes</i> | 15 08<br>15 21<br>15 28<br>15 47<br>15 57 | <i>about every</i><br><b>7-10</b><br><i>minutes</i> | <i>about every</i><br><b>12-13</b><br><i>minutes</i> | 22 07<br>22 22<br>22 37<br>22 52 | 23 06<br>23 20<br>23 32<br>23 47 | 00 02<br>00 17<br>00 32<br>00 47 | 01 02    |

## Mon-Fri Non-Schooldays

| First buses    | 7 to 8am                                  | 8am to 10pm   | 10 to 11pm                       | 11pm to Midnight                 | Midnight to 1am                  | Last bus |
|----------------|---|---|----------------------------------|----------------------------------|----------------------------------|----------|
| 06 20<br>06 42 | 07 02<br>07 22<br>07 35<br>07 50<br>07 59 | <i>about every</i><br><b>9-13</b><br><i>minutes</i> | 22 07<br>22 22<br>22 37<br>22 52 | 23 06<br>23 20<br>23 32<br>23 47 | 00 02<br>00 17<br>00 32<br>00 47 | 01 02    |

## Saturday

| First buses    | 7 to 8am       | 8 to 9am       | 9 to 10am               | 10 to 11am                       | 11am to Midday                   | Midday to 1pm           | 1 to 2pm                         | 2 to 4pm  | 4 to 5pm                                  | 5 to 6pm                         | 6 to 7pm                         | 7 to 8pm                         | 8 to 9pm                         | 9 to 10pm                        | 10 to 11pm                       | 11pm to 1am   | Last bus |
|----------------|----------------|----------------|-------------------------|----------------------------------|----------------------------------|-------------------------|----------------------------------|---|---|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|---|----------|
| 06 20<br>06 50 | 07 20<br>07 50 | 08 22<br>08 45 | 09 05<br>09 26<br>09 46 | 10 05<br>10 21<br>10 38<br>10 54 | 11 10<br>11 26<br>11 42<br>11 57 | 12 12<br>12 28<br>12 44 | 13 00<br>13 16<br>13 32<br>13 47 | At these 02<br>minutes 17<br>past the 32<br>hour 47 | 16 02<br>16 16<br>16 30<br>16 43<br>16 58 | 17 12<br>17 26<br>17 41<br>17 56 | 18 10<br>18 22<br>18 37<br>18 52 | 19 07<br>19 22<br>19 37<br>19 52 | 20 07<br>20 21<br>20 36<br>20 51 | 21 06<br>21 20<br>21 35<br>21 50 | 22 04<br>22 19<br>22 34<br>22 48 | At these 02<br>minutes 17<br>past the 32<br>hour 47 | 01 02    |

## Sunday

| First buses    | 7 to 8am       | 8 to 9am       | 9 to 10am               | 10 to 11am                       | 11am to Midday                   | Midday to 1pm           | 1 to 2pm                         | 2 to 4pm  | 4 to 5pm                                  | 5 to 6pm                         | 6 to 7pm                         | 7 to 8pm                         | 8 to 9pm                         | 9 to 10pm                        | 10 to 11pm                       | 11pm to 1am   | Last bus |
|----------------|----------------|----------------|-------------------------|----------------------------------|----------------------------------|-------------------------|----------------------------------|---|---|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|---|----------|
| 06 20<br>06 50 | 07 20<br>07 50 | 08 22<br>08 45 | 09 05<br>09 26<br>09 46 | 10 05<br>10 21<br>10 38<br>10 54 | 11 10<br>11 26<br>11 42<br>11 57 | 12 12<br>12 28<br>12 44 | 13 00<br>13 16<br>13 32<br>13 47 | At these 02<br>minutes 17<br>past the 32<br>hour 47 | 16 02<br>16 16<br>16 30<br>16 43<br>16 58 | 17 12<br>17 26<br>17 41<br>17 56 | 18 10<br>18 22<br>18 37<br>18 52 | 19 07<br>19 22<br>19 37<br>19 52 | 20 07<br>20 21<br>20 36<br>20 51 | 21 06<br>21 20<br>21 35<br>21 50 | 22 04<br>22 19<br>22 34<br>22 48 | At these 02<br>minutes 17<br>past the 32<br>hour 47 | 01 02    |

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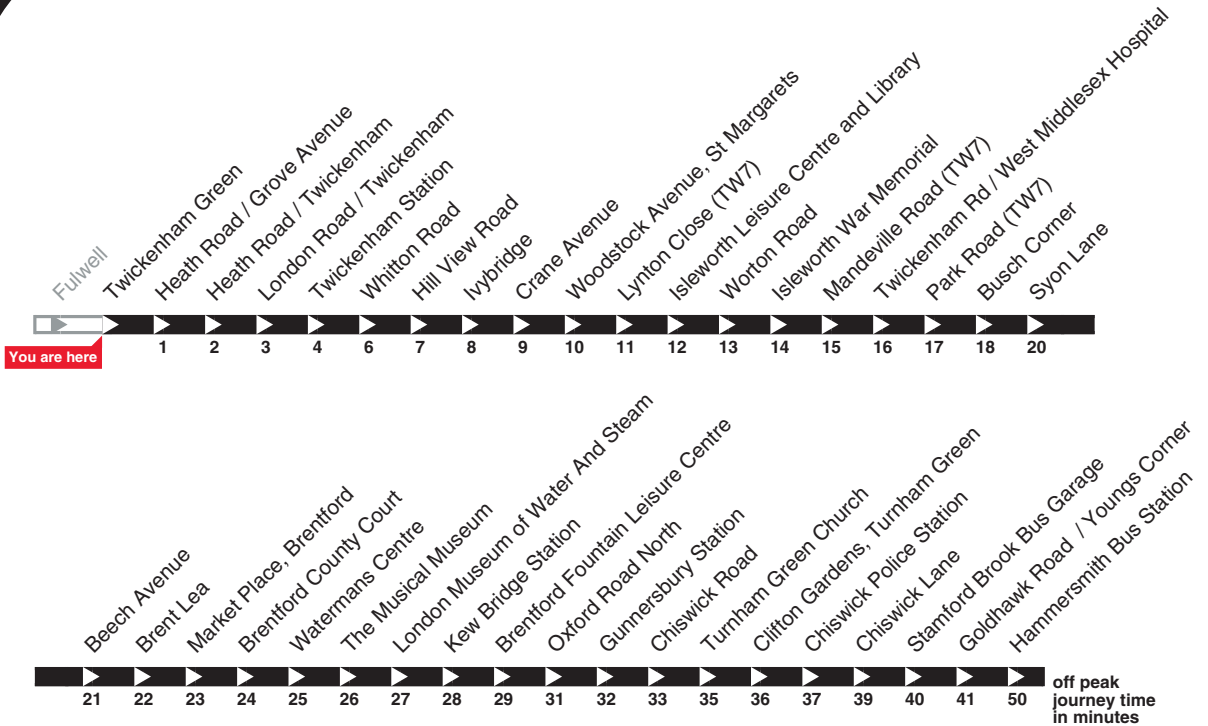
# London Buses

# 267

Daily



Buses towards Hammersmith Bus Station



| Mon-Fri Schooldays |             |             |             |              |          |          |           |            |            |
|--------------------|-------------|-------------|-------------|--------------|----------|----------|-----------|------------|------------|
| First buses        | 6 to 8am    | 8am to 2pm  | 2 to 5pm    | 5 to 7pm     | 7 to 8pm | 8 to 9pm | 9 to 10pm | 10 to 11pm | Last buses |
| 05 03              | about every | about every | about every | about every  | 19 10    | 20 10    | 21 10     | 22 12      | 23 13      |
| 05 23              | <b>7-10</b> | <b>9-12</b> | <b>7-11</b> | <b>10-12</b> | 19 25    | 20 25    | 21 26     | 22 27      | 23 28      |
| 05 43              | minutes     | minutes     | minutes     | minutes      | 19 40    | 20 40    | 21 41     | 22 42      | 23 43      |
| 05 52              |             |             |             |              | 19 55    | 20 55    | 21 56     | 22 57      |            |

| Mon-Fri Non-Schooldays |             |  |  |          |          |           |            |            |
|------------------------|-------------|--|--|----------|----------|-----------|------------|------------|
| First buses            | 6am to 7pm  |  |  | 7 to 8pm | 8 to 9pm | 9 to 10pm | 10 to 11pm | Last buses |
| 05 03                  | about every |  |  | 19 10    | 20 10    | 21 10     | 22 12      | 23 13      |
| 05 23                  | <b>9-12</b> |  |  | 19 25    | 20 25    | 21 26     | 22 27      | 23 28      |
| 05 43                  | minutes     |  |  | 19 40    | 20 40    | 21 41     | 22 42      | 23 43      |
| 05 53                  |             |  |  | 19 55    | 20 55    | 21 56     | 22 57      |            |

| Saturday    |          |          |          |           |            |                |               |          |          |          |          |          |          |          |           |            |
|-------------|----------|----------|----------|-----------|------------|----------------|---------------|----------|----------|----------|----------|----------|----------|----------|-----------|------------|
| First buses | 6 to 7am | 7 to 8am | 8 to 9am | 9 to 10am | 10 to 11am | 11am to Midday | Midday to 1pm | 1 to 3pm | 3 to 4pm | 4 to 5pm | 5 to 6pm | 6 to 7pm | 7 to 8pm | 8 to 9pm | 9 to 11pm | Last buses |
| 05 03       | 06 03    | 07 03    | 08 04    | 09 04     | 10 05      | about every    | 12 06         | At these | 05 15 05 | 16 07    | 17 08    | 18 09    | 19 10    | 20 12    | At these  | 13 23 13   |
| 05 33       | 06 33    | 07 23    | 08 24    | 09 19     | 10 20      | <b>14</b>      | 12 20         | minutes  | 20 15 20 | 16 23    | 17 23    | 18 25    | 19 25    | 20 28    | minutes   | 28 23 28   |
|             |          | 07 43    | 08 44    | 09 35     | 10 32      | minutes        | 12 35         | past the | 35 15 35 | 16 38    | 17 38    | 18 40    | 19 40    | 20 43    | past the  | 43 23 43   |
|             |          |          |          | 09 50     | 10 45      |                | 12 50         | hour     | 50 15 51 | 16 53    | 17 54    | 18 55    | 19 56    | 20 58    | hour      | 58 23 43   |

| Sunday      |          |          |          |           |            |                |               |          |          |          |          |          |          |          |           |            |
|-------------|----------|----------|----------|-----------|------------|----------------|---------------|----------|----------|----------|----------|----------|----------|----------|-----------|------------|
| First buses | 6 to 7am | 7 to 8am | 8 to 9am | 9 to 10am | 10 to 11am | 11am to Midday | Midday to 1pm | 1 to 3pm | 3 to 4pm | 4 to 5pm | 5 to 6pm | 6 to 7pm | 7 to 8pm | 8 to 9pm | 9 to 11pm | Last buses |
| 05 03       | 06 03    | 07 03    | 08 04    | 09 04     | 10 05      | about every    | 12 06         | At these | 05 15 05 | 16 07    | 17 08    | 18 09    | 19 10    | 20 12    | At these  | 13 23 13   |
| 05 33       | 06 33    | 07 23    | 08 24    | 09 19     | 10 20      | <b>14</b>      | 12 20         | minutes  | 20 15 20 | 16 23    | 17 23    | 18 25    | 19 25    | 20 28    | minutes   | 28 23 28   |
|             |          | 07 43    | 08 44    | 09 35     | 10 32      | minutes        | 12 35         | past the | 35 15 35 | 16 38    | 17 38    | 18 40    | 19 40    | 20 43    | past the  | 43 23 43   |
|             |          |          |          | 09 50     | 10 45      |                | 12 50         | hour     | 50 15 51 | 16 53    | 17 54    | 18 55    | 19 56    | 20 58    | hour      | 58 23 43   |

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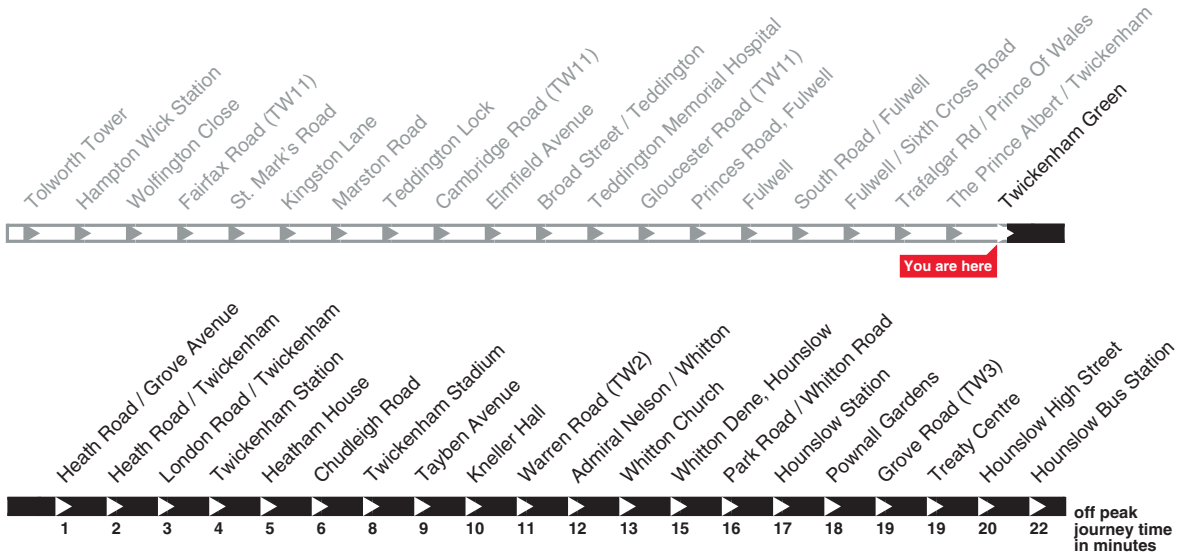


# London Buses

# 281

**24 hour service**

Buses towards Hounslow Bus Station



| Monday to Friday    |                |                |   |                         |                                  |   |  |  |  |  |                 |  |  |
|---------------------|----------------|----------------|---|-------------------------|----------------------------------|---|--|--|--|--|-----------------|--|--|
| Midnight to 00:30am | 00:30 to 1am   | 1 to 2am       | 2 to 5am                                      | 5 to 6am                | 6 to 7am                         | 7 to 8am  | 8am to 4pm                                   | 4 to 5pm                                     | 5 to 8pm                                     | 8pm to Midnight                                | Midnight to 1am |  |  |
|                     | 00 31<br>00 43 | 01 08<br>01 35 | At these 05<br>minutes 35<br>past the<br>hour | 05 05<br>05 38<br>05 53 | 06 08<br>06 23<br>06 38<br>06 48 | 07 01<br>07 14<br>07 26<br>07 34<br>07 42<br>07 49<br>07 57 | about every<br><br><b>8-9</b><br><br>minutes | about every<br><br><b>4-8</b><br><br>minutes | about every<br><br><b>7-9</b><br><br>minutes | about every<br><br><b>10-12</b><br><br>minutes | 00 07<br>00 19  |  |  |

| Saturday            |                |                |                |                |                |                |                                  |                         |   |   |  |                 |  |  |
|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------------------------|-------------------------|---|---|--|-----------------|--|--|
| Midnight to 00:30am | 00:30 to 1am   | 1 to 2am       | 2 to 3am       | 3 to 4am       | 4 to 5am       | 5 to 6am       | 6 to 7am                         | 7 to 8am                | 8 to 9am                                  | 9am to 8pm                                    | 8pm to Midnight                                | Midnight to 1am |  |  |
|                     | 00 31<br>00 43 | 01 08<br>01 38 | 02 08<br>02 39 | 03 09<br>03 38 | 04 08<br>04 36 | 05 06<br>05 36 | 06 08<br>06 28<br>06 43<br>06 58 | 07 14<br>07 30<br>07 46 | 08 02<br>08 17<br>08 32<br>08 43<br>08 54 | about every<br><br><b>7-11</b><br><br>minutes | about every<br><br><b>11-12</b><br><br>minutes | 00 07<br>00 19  |  |  |

| Sunday              |                |                |                |                |                |                |                |                         |                |  |                 |  |  |
|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-------------------------|----------------|--|-----------------|--|--|
| Midnight to 00:30am | 00:30 to 1am   | 1 to 2am       | 2 to 3am       | 3 to 4am       | 4 to 5am       | 5 to 6am       | 6 to 7am       | 7 to 8am                | 8 to 9am       | 9am to Midnight                                | Midnight to 1am |  |  |
|                     | 00 31<br>00 43 | 01 08<br>01 38 | 02 08<br>02 39 | 03 09<br>03 38 | 04 08<br>04 36 | 05 06<br>05 36 | 06 08<br>06 38 | 07 08<br>07 38<br>07 59 | 08 20<br>08 41 | about every<br><br><b>12-14</b><br><br>minutes | 00 07<br>00 19  |  |  |

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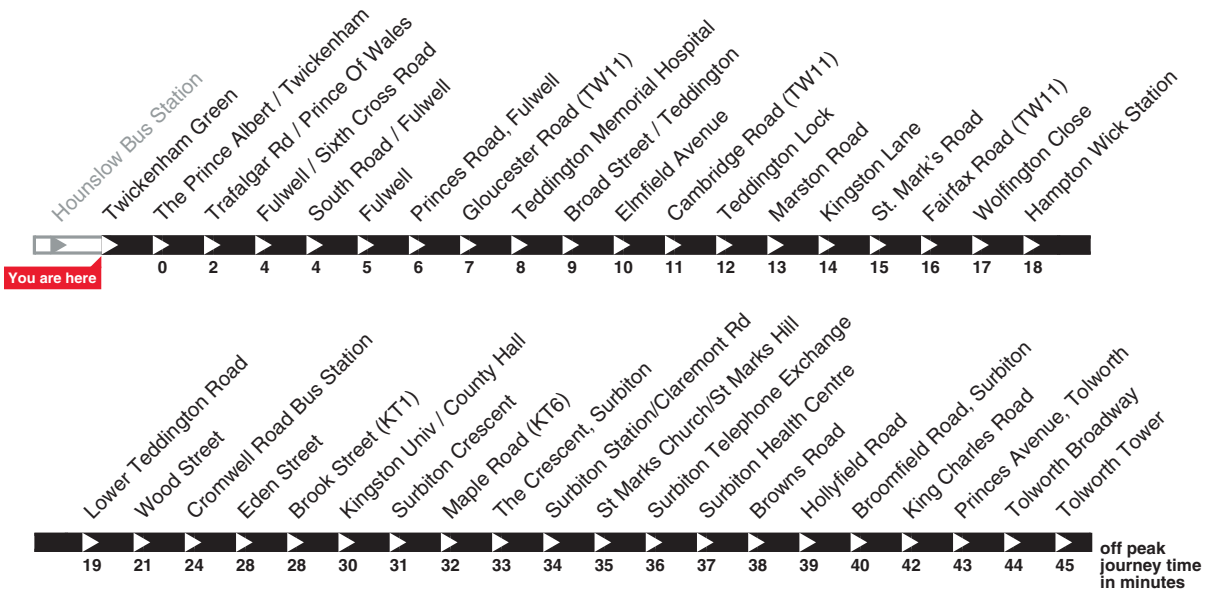


# London Buses

# 281

**24 hour service**

Buses towards Tolworth Tower



## Monday to Friday

| Midnight to 00:30am | 00:30 to 1am            | 1 to 5am                                      | 5 to 6am                | 6 to 7am                               | 7am to 9pm                            | 9pm to Midnight                        | Midnight to 1am |
|---------------------|-------------------------|---|-------------------------|--|---------------------------------------|--|-----------------|
| 00 18               | 00 30<br>00 42<br>00 54 | At these 18<br>minutes 48<br>past the<br>hour | 05 14<br>05 34<br>05 54 | about every<br><b>10-13</b><br>minutes | about every<br><b>6-10</b><br>minutes | about every<br><b>11-12</b><br>minutes | 00 06           |

## Saturday

| Midnight to 00:30am | 00:30 to 1am            | 1 to 2am       | 2 to 5am                                      | 5 to 6am       | 6 to 7am                | 7 to 8am                         | 8 to 9am   | 9am to 8pm                            | 8pm to Midnight                     | Midnight to 1am |
|---------------------|-------------------------|----------------|---|----------------|-------------------------|----------------------------------|--|---------------------------------------|-------------------------------------|-----------------|
| 00 18               | 00 30<br>00 42<br>00 54 | 01 19<br>01 49 | At these 18<br>minutes 48<br>past the<br>hour | 05 14<br>05 44 | 06 04<br>06 24<br>06 44 | 07 00<br>07 16<br>07 32<br>07 48 | 08 03<br>08 18<br>08 28<br>08 38<br>08 48<br>08 59 | about every<br><b>7-11</b><br>minutes | about every<br><b>12</b><br>minutes | 00 06           |

## Sunday

| Midnight to 00:30am | 00:30 to 1am            | 1 to 2am       | 2 to 5am                                      | 5 to 6am       | 6 to 7am       | 7 to 8am       | 8 to 9am                         | 9am to Midnight                        | Midnight to 1am |
|---------------------|-------------------------|----------------|---|----------------|----------------|----------------|----------------------------------|--|-----------------|
| 00 18               | 00 30<br>00 42<br>00 54 | 01 19<br>01 49 | At these 18<br>minutes 48<br>past the<br>hour | 05 14<br>05 45 | 06 15<br>06 46 | 07 17<br>07 47 | 08 07<br>08 27<br>08 47<br>08 59 | about every<br><b>11-13</b><br>minutes | 00 06           |

Operated by London United for London Buses



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Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

Mondays to Fridays

Table with columns: Service Restrictions, Mo, NMo, and 16 time slots. Rows list various bus stops from Twickenham to Staines.

Service Restrictions: Mo - Operates only on Mondays
NMo - Not Mondays

Notes: § - Time at this stop is indicative. You are advised to be at any stop several minutes before the times shown



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Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

Mondays to Fridays

Table with 17 columns representing bus stops and rows listing departure times for various routes including Twickenham, Sunbury, and Staines.

Notes: § - Time at this stop is indicative. You are advised to be at any stop several minutes before the times shown



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Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

Mondays to Fridays

Table with columns for stop names and departure times from 1700 to 2330. Includes various stops like Twickenham, Heath Road, Strawberry Hill, Fulwell, Hanworth, Sunbury, and Staines.

Notes: \* - Part or all of this journey operates in the morning of the following day
§ - Time at this stop is indicative. You are advised to be at any stop several minutes before the times shown





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Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

Saturdays

Table with 15 columns representing bus routes and rows listing stops with corresponding times. Includes stops like Twickenham, Arragon Road, Fulwell, Staines Road, and Sunbury.

Notes: § - Time at this stop is indicative. You are advised to be at any stop several minutes before the times shown



The information on this timetable is expected to be valid until at least 22nd February 2017. Where we know of variations, before or after this date, then we show these at the top of each affected column in the table.

Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

Saturdays

Table with 17 columns representing times and rows listing bus stops such as Twickenham, Arragon Road, Twickenham, Heath Road, Fulwell, Staines Road, Hanworth, Hampton Hill, Sunbury, and Ashford.

Notes: § - Time at this stop is indicative. You are advised to be at any stop several minutes before the times shown



The information on this timetable is expected to be valid until at least 22nd February 2017. Where we know of variations, before or after this date, then we show these at the top of each affected column in the table.

Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

Saturdays

Table with columns for stop names and departure times from 1800 to 2330. Includes various stops like Twickenham, Fulwell, Hanworth, and Sunbury.

Notes: \* - Part or all of this journey operates in the morning of the following day
§ - Time at this stop is indicative. You are advised to be at any stop several minutes before the times shown



The information on this timetable is expected to be valid until at least 22nd February 2017. Where we know of variations, before or after this date, then we show these at the top of each affected column in the table.

Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

Sundays

Table with 15 columns representing bus routes and rows listing stops with corresponding times. Includes stops like Twickenham, Arragon Road, Twickenham, Heath Road, Sunbury, adj Sunbury Cross Shopping Centre, and Staines, Elmsleigh Bus Station.

Notes: § - Time at this stop is indicative. You are advised to be at any stop several minutes before the times shown



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Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

Sundays

Table with 18 columns representing bus times and rows listing bus stops such as Twickenham, Arragon Road (Stop D), Twickenham, Heath Road / Twickenham (K), Fulwell, Staines Road / The Fountain (Stop M), Sunbury, adj Sunbury Cross Shopping Centre, and Staines, Elmsleigh Bus Station (Stop 7).

Notes: § - Time at this stop is indicative. You are advised to be at any stop several minutes before the times shown



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Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

### Sundays

|  | Notes | *                        |
|--|-------|--------------------------|
| <b>Twickenham, Arragon Road (Stop D)</b>                           |       |                          |
| § Twickenham, Twickenham / London Road (Stop F)                    | 2100  | 2130 2200 2230 2300 2330 |
| <b>Twickenham, Heath Road / Twickenham (K)</b>                     | 2102  | 2132 2202 2232 2302 2332 |
| § Twickenham, Heath Road / Grove Avenue (Stop GS)                  | 2102  | 2132 2202 2232 2302 2332 |
| § Strawberry Hill, Twickenham Green (Stop GT)                      | 2103  | 2133 2203 2233 2303 2333 |
| § Strawberry Hill, The Prince Albert / Twickenham (Stop GB)        | 2104  | 2134 2204 2234 2304 2334 |
| § Strawberry Hill, Trafalgar Rd / Prince Of Wales (Stop SC)        | 2105  | 2135 2205 2235 2305 2335 |
| <b>Strawberry Hill, Fulwell / Sixth Cross Road (Stop H)</b>        | 2106  | 2136 2206 2236 2306 2336 |
| § Fulwell, Fielding Avenue (Stop L)                                | 2106  | 2136 2206 2236 2306 2336 |
| <b>Fulwell, Staines Road / The Fountain (Stop M)</b>               | 2108  | 2138 2208 2238 2308 2338 |
| § Fulwell, Warwick Lodge/Staines Road (Stop U)                     | 2108  | 2138 2208 2238 2308 2338 |
| § Fulwell, Court Close Avenue (Stop V)                             | 2109  | 2139 2209 2239 2309 2339 |
| § Fulwell, Twickenham Golf Centre (Stop K)                         | 2110  | 2140 2210 2240 2310 2340 |
| <b>Hanworth, Twickenham Road (Stop L)</b>                          | 2111  | 2141 2211 2241 2311 2341 |
| § Hanworth, Hampton Road East (Stop E)                             | 2111  | 2141 2211 2241 2311 2341 |
| <b>Hanworth Hill, Uxbridge Road / Hampton Sainsbury's (Stop S)</b> | 2113  | 2143 2213 2243 2313 2343 |
| § Hanworth, Hampton Road East (Stop T)                             | 2113  | 2143 2213 2243 2313 2343 |
| § Hanworth, Apex Corner / Country Way (Stop M)                     | 2113  | 2143 2213 2243 2313 2343 |
| § Hanworth, Crispen Road (Stop N)                                  | 2114  | 2144 2214 2244 2314 2344 |
| <b>Hanworth, Bear Road Flyover (Stop BB)</b>                       | 2116  | 2146 2216 2246 2316 2346 |
| § Hanworth, Church Road (Stop Y)                                   | 2116  | 2146 2216 2246 2316 2346 |
| § Hanworth, Nallhead Road (Stop Z)                                 | 2117  | 2147 2217 2247 2317 2347 |
| § Sunbury, adj Park Road   | 2120  | 2150 2220 2250 2320 2350 |
| § Sunbury, Hanworth Road (SW-bound)                                | 2121  | 2151 2221 2251 2321 2351 |
| <b>Sunbury, adj Sunbury Cross Shopping Centre</b>                  | 2122  | 2152 2222 2252 2322 2352 |
| § Sunbury, adj Spelthorne Grove                                    | 2122  | 2152 2222 2252 2322 2352 |
| § Sunbury, adj Windmill Road                                       | 2123  | 2153 2223 2253 2323 2353 |
| § Ashford Common, opp Napier Road                                  | 2124  | 2154 2224 2254 2324 2354 |
| <b>Ashford Common, opp Chertsey Road</b>                           | 2126  | 2156 2226 2256 2326 2356 |
| § Ashford, nr Ashford Road   | 2127  | 2157 2227 2257 2327 2357 |
| § Ashford, opp The Coppice   | 2128  | 2158 2228 2258 2328 2358 |
| § Ashford, opp Ash Tree  | 2129  | 2159 2229 2259 2329 2359 |
| § Ashford, on Town Tree Road                                       | 2130  | 2200 2226 2256 2326 2356 |
| <b>Ashford, War Memorial (NW-bound)</b>                            | 2131  | 2201 2227 2257 2327 2357 |
| § Ashford, opp Gables Avenue                                       | 2131  | 2201 2227 2257 2327 2357 |
| § Ashford, Fordbridge Roundabout (SW-bound)                        | 2132  | 2202 2228 2258 2328 2358 |
| § Ashford, Ashford Road Roundabout (W-bound)                       | 2133  | 2203 2229 2259 2329 2359 |
| <b>Ashford, o/s Dog And Partridge</b>                              | 2134  | 2204 2230 2300 2328 2358 |
| § Staines, opp Petersfield Avenue                                  | 2134  | 2204 2230 2300 2328 2358 |
| § Staines, opp Fenton Avenue                                       | 2135  | 2205 2231 2301 2329 2359 |
| § Staines, Worple Road (NW-bound)                                  | 2135  | 2205 2231 2301 2329 2359 |
| § Knowle Green, adj Knowle Green                                   | 2136  | 2206 2232 2302 2330 0001 |
| § Staines, Staines Railway Station (Stop T)                        | 2137  | 2207 2233 2303 2331 0001 |
| § Staines, London Road (Stop U)                                    | 2138  | 2208 2234 2304 2332 0002 |
| § Staines, Ripley Way (Stop K)                                     | 2138  | 2208 2234 2304 2332 0002 |
| <b>Staines, Elmsleigh Bus Station (Stop 7)</b>                     | 2139  | 2209 2235 2305 2333 0003 |

Notes: \* - Part or all of this journey operates in the morning of the following day

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Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

Mondays to Fridays

Table with 16 columns representing bus stops and rows listing departure times for various routes including Staines, Elmsleigh Bus Station, Ashford, War Memorial, Sunbury, and Twickenham.

Notes: § - Time at this stop is indicative. You are advised to be at any stop several minutes before the times shown



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Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

Mondays to Fridays

Table with 17 columns representing bus stops and rows listing departure times for various routes including Staines, Elmsleigh Bus Station, Ashford, War Memorial, Sunbury, Hanworth, Hampton Hill, Fulwell, and Twickenham.

Notes: § - Time at this stop is indicative. You are advised to be at any stop several minutes before the times shown





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Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

Mondays to Fridays

Table with columns for stop names and departure times from 1730 to 0020. Includes a 'Notes' column with asterisks and section headers like 'Staines, Elmsleigh Bus Station (Stop 7)', 'Ashford, opp Dog And Partridge', etc.

Notes: \* - Part or all of this journey operates in the morning of the following day
§ - Time at this stop is indicative. You are advised to be at any stop several minutes before the times shown



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Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

Saturdays

Table with 15 columns representing bus stops and rows listing departure times for various routes including Staines, Elmsleigh Bus Station, Ashford, War Memorial, Sunbury, and Twickenham.

Notes: § - Time at this stop is indicative. You are advised to be at any stop several minutes before the times shown



The information on this timetable is expected to be valid until at least 22nd February 2017. Where we know of variations, before or after this date, then we show these at the top of each affected column in the table.

Direction of stops: where shown (eg: W-bound) this is the compass direction towards which the bus is pointing when it stops

Saturdays

Table with 17 columns representing bus numbers (1205-1836) and rows listing bus stops from Staines, Elmsleigh Bus Station to Twickenham, Arragon Road. Each cell contains a time value.

Notes: § - Time at this stop is indicative. You are advised to be at any stop several minutes before the times shown