# TRANSYT 15



**Filename:** M62 JN 28 CRF Scheme_Mar 20- Scenario 4-AM - Mitigation.t15
**Path:** Z:\Projects\10127ITM Capitol Park, Leeds F2 (F1A)\Tech\Transyt\TRANSYT - AGREED HE_LCC BASE MODEL (MARCH 2020)\Post-Submission Work\2033 Sensitivity Test
**Report generation date:** 19/07/2021 23:30:20

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## File summary

### File description

| | |
|---|---|
| **File title** | (untitled) |
| **Location** | |
| **Site number** | |
| **UTCRegion** | |
| **Driving side** | Left |
| **Date** | 01/03/2017 |
| **Version** | |
| **Status** | (new file) |
| **Identifier** | |
| **Client** | |
| **Jobnumber** | |
| **Enumerator** | LEEDS\00730414 |
| **Description** | |

## Model and Results

| Enable controller offsets | Enable fuel consumption | Enable quick flares | Display journey time results | Display level of service results | Display blocking and starvation results | Display end of red and green queue results | Display excess queue results | Display separate uniform and random results | Display unweighted results | Display TRANSYT 12 style timings | Display effective greens in results | Display Red-With-Amber | Display End-Of-Green Amber |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

## Units

| Cost units | Speed units | Distance units | Fuel economy units | Fuel rate units | Mass units | Traffic units input | Traffic units results | Flow units | Average delay units | Total delay units | Rate of delay units |
|---|---|---|---|---|---|---|---|---|---|---|---|
| £ | kph | m | mpg | l/h | kg | PCU | PCU | perHour | s | -Hour | perHour |

## Sorting

| Show names instead of IDs | Sorting direction | Sorting type | Ignore prefixes when sorting | Analysis/demand set sorting | Link grouping | Source grouping | Colour Analysis/Demand Sets |
|---|---|---|---|---|---|---|---|
| | Ascending | Numerical | | ID | Normal | Normal | ✓ |

# Network Diagrams

# A1 - 2033 Base + Committed + Cumulative AM + Mitigation
# D1 - 2033 Base + Committed + Cumulative AM - Mitigation*

## Summary

### Data Errors and Warnings

| Severity | Area | Item | Description |
|---|---|---|---|
| Warning | Traffic Stream Data | Arm Bf - Traffic Stream 1 | Arm Bf - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects. |
| Warning | Traffic Stream Data | Arm Bf - Traffic Stream 2 | Arm Bf - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects. |
| Warning | Traffic Stream Data | Arm Ff - Traffic Stream 1 | Arm Ff - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects. |
| Warning | Traffic Stream Data | Arm Ff - Traffic Stream 2 | Arm Ff - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects. |
| Warning | Traffic Stream Data | Arm xA - Traffic Stream 1 | Arm xA - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects. |
| Warning | Traffic Stream Data | Arm xA - Traffic Stream 2 | Arm xA - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects. |
| Warning | Traffic Stream Data | Arm TC38 - Traffic Stream 1 | Traffic Stream 1: CTM uses a whole number of cells. CTM is using the length adjusted by 30%. |
| Warning | Traffic Stream Signals | Arm TC42 - Traffic Stream 1 - Signals (TC777-1, E) | Traffic Stream 1 controlling phase E never runs in the current stage sequence. |
| Info | Arm Data | Arm xC | No traffic node specified for arm(s): xC |
| Info | Traffic Stream Signals | Arm TC42 - Traffic Stream 1 - Signals (TC777-1, E) | Traffic Stream 1 controlling phase E never runs in stage sequence 1. |

### Run Summary

| Analysis set used | Run start time | Run finish time | Modelling start time (HH:mm) | Network Cycle Time (s) | Performance Index (£ per hr) | Total network delay (PCU-hr/hr) | Highest DOS (%) | Item with highest DOS | Number of oversaturated items | Percentage of oversaturated items (%) | Item with worst signalised PRC | Item with worst unsignalised PRC | Ite wit wor over PR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19/07/2021 23:28:49 | 19/07/2021 23:29:00 | 07:30 | 120 | 10989.79 | 706.88 | 131.71 | 50/1 | 19 | 12 | TC42/1 | 50/1 | TC4 |

### Analysis Set Details

| Name | Description | Demand set | Include in report | Locked |
|---|---|---|---|---|
| 2033 Base + Committed + Cumulative AM + Mitigation | | D1 | ✓ | |

### Demand Set Details

| Name | Description | Composite | Demand sets | Start time (HH:mm) | Locked |
|---|---|---|---|---|---|
| 2033 Base + Committed + Cumulative AM - Mitigation | | | | 07:30 | |

## Network Options

### Network timings

| Network cycle time (s) | Restrict to SCOOT cycle times | Time segment length (min) | Number of time segments | Modelled time period (min) |
|---|---|---|---|---|
| 120 | | 60 | 1 | 60 |

## Signals options

| Start displacement (s) | End displacement (s) |
|---|---|
| 2 | 3 |

## Advanced

| Phase minimum broken penalty (£) | Phase maximum broken penalty (£) | Intergreen broken penalty (£) | Starting Red-with-Amber (s) |
|---|---|---|---|
| 10000.00 | 10000.00 | 10000.00 | 2 |

## Traffic options

| Traffic model | Vehicle flow scaling factor (%) | Pedestrian flow scaling factor (%) | Cruise times or speeds |
|---|---|---|---|
| Platoon Dispersion (PDM) | 100 | 100 | Cruise Speeds |

## Advanced

| Resolution | DOS Threshold (%) | Cruise scaling factor (%) | Use link stop weightings | Use link delay weightings | Exclude pedestrians from results calculation | Random delay mode | Type of Vehicle-in-Service | Type of random parameter | PCU Length (m) | Calculate results for Path Segments | Generate PDM Profile Data |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 90 | 100 | ✓ | ✓ | | Complex | Uniform (TRANSYT) | Uniform (TRANSYT) | 5.75 | | ✓ |

## Normal Traffic parameters

| Dispersion type | Dispersion coefficient | Travel time coefficient |
|---|---|---|
| Default | 35 | 80 |

## Normal Traffic Types

| Name | PCU Factor |
|---|---|
| Normal | 1.00 |

## Bus parameters

| Name | PCU Factor | Dispersion type | Acceleration (ms^[-2]) | Stationary time coefficient | Cruise time coefficient |
|---|---|---|---|---|---|
| Bus | 1.00 | Default | 0.94 | 30 | 85 |

## Tram parameters

| Name | PCU Factor | Dispersion type | Acceleration (ms^[-2]) | Stationary time coefficient | Cruise time coefficient |
|---|---|---|---|---|---|
| Tram | 1.00 | Default | 0.94 | 100 | 100 |

## Pedestrian parameters

| Dispersion type |
|---|
| Default |

## Optimisation options

| Enable optimisation | Auto redistribute | Optimisation level | Enable OUT Profile accuracy |
|---|---|---|---|
| ✓ | | Offsets And Green Splits | ✓ |

## Advanced

| Optimisation type | Hill climb increments | OUTProfile accuracy | Use enhanced optimisation | Auto optimisation order | Optimisation order | Master controller | Offsets relative to master controller | Master controller offset after each run |
|---|---|---|---|---|---|---|---|---|
| Hill Climb (Fast) | 15, 40, -1, 15, 40, 1, -1, 1 | 50, 50, 5, 5, 0.5, 0.5, 0.05, 0.05 | | ✓ | 770-1, 770-3, 771-1 | | | Do nothing |

## Economics

| Vehicle Monetary Value Of Delay (£ per PCU-hr) | Vehicle Monetary Value Of Stops (£ per 100 stops) | Pedestrian monetary value of delay (£ per Ped-hr) |
|---|---|---|
| 14.20 | 2.60 | 14.20 |

# Traffic Nodes

## Traffic Nodes

| Traffic node | Name | Description |
|---|---|---|
| (ALL) | (untitled) | |

# Arms and Traffic Streams

## Arms

| Arm | Name | Description | Traffic node |
|---|---|---|---|
| A | Dewsbury Rd SB | | 6 |
| Ac | (untitled) | | 6 |
| Acf | (untitled) | | 6 |
| Af | Dewsbury Rd SB | | 6 |
| B | M62 WB off slip | | 1 |
| Bc | (untitled) | | 1 |
| Bcf | (untitled) | | 1 |
| Bf | M62 WB off slip | | 1 |
| C | Bradford Rd WB | | 2 |
| Cf | Bradford Rd WB | | 2 |
| D | Dewsbury Rd NB | | 3 |
| Dc | (untitled) | | 3 |
| Dcf | (untitled) | | 3 |
| Df | Dewsbury Rd NB | | 3-2 |
| Dxp | Dewsbury Rd exit SB (ped) | | 3-2 |
| Ec | (untitled) | | 4 |
| Ecf | (untitled) | | 4 |
| Ef | Bradford Rd EB | | 4 |
| Exp | Bradford Rd exit WB (ped) | | 4-2 |
| F | M62 EB off slip | | 5 |
| Fc | (untitled) | | 5 |
| Ff | M62 EB off slip | | 5 |
| G | (untitled) | | 2 |
| Gf | (untitled) | | 4 |
| xA | Dewsbury Rd exit NB | | 10 |
| xB | M62 EB on slip | | |
| xC | (untitled) | | |
| xD | Dewsbury Rd exit SB | | |
| xE | Bradford Rd exit WB | | |
| xF | M62 WB on slip | | |
| Cc1 | (untitled) | | 2 |
| E1 | Bradford Rd EB (left) | | 4 |
| Gf1 | (untitled) | | 4 |
| Cc2 | (untitled) | | 2 |
| E2 | Bradford Rd EB (ahead) | | 4 |
| TC5 | (untitled) | | TC771-6 |
| TC9 | (untitled) | | TC771-6 |
| TC35 | (untitled) | | TC771-6 |
| TC36 | (untitled) | | TC771-6 |
| TC37 | (untitled) | | TC771-6 |
| TC38 | (untitled) | | TC771-6 |
| TC39 | (untitled) | | TC771-6 |
| TC40 | (untitled) | | TC771-6 |
| TC41 | (untitled) | | TC771-6 |
| TC42 | (untitled) | | TC771-6 |
| TC43 | (untitled) | | |
| 47 | (untitled) | | 2 |
| 48 | (untitled) | | 2 |
| 49 | (untitled) | | TC771-6 |
| 50 | (untitled) | | 1 |
| 51 | (untitled) | | 4-2 |

## Traffic Streams

| Arm | Traffic Stream | Name | Description | Auto length | Length (m) | Has Saturation Flow | Saturation flow source | Saturation flow (PCU/hr) | Auto-calculate cell saturation flow | Cell saturation flow (PCU/hr) | Is signal controlled | Is give way | Traffic type | Allow Nearside Turn On Red |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | 1 | (untitled) | M62E | ✓ | 74.52 | ✓ | Directly entered | 2050 | | 2050 | ✓ | | Normal | |
| | 2 | (untitled) | Wake | ✓ | 76.88 | ✓ | Directly entered | 2050 | | 2050 | ✓ | | Normal | |
| | 3 | (untitled) | Dews | ✓ | 78.61 | ✓ | Directly entered | 2050 | | 2050 | ✓ | | Normal | |
| | 4 | (untitled) | Brad/M62W | ✓ | 80.35 | ✓ | Directly entered | 2050 | | 2050 | ✓ | | Normal | |
| Ac | 1 | (untitled) | M62E | ✓ | 95.80 | ✓ | Directly entered | 2263 | | 2263 | ✓ | | Normal | |
| | 2 | (untitled) | Wake | ✓ | 92.34 | ✓ | Directly entered | 2263 | | 2263 | ✓ | | Normal | |
| | 3 | (untitled) | Dews/Brad | ✓ | 87.95 | ✓ | Directly entered | 2263 | | 2263 | ✓ | | Normal | |
| Acf | 1 | (untitled) | | ✓ | 69.59 | ✓ | Directly entered | 2263 | | 2263 | | | Normal | |
| | 2 | (untitled) | | ✓ | 70.42 | ✓ | Directly entered | 2263 | | 2263 | | | Normal | |
| Af | 1 | (untitled) | M62E/Wake | ✓ | 53.54 | ✓ | Directly entered | 2050 | | 2050 | | | Normal | |
| | 2 | (untitled) | Dews | ✓ | 52.96 | ✓ | Directly entered | 2050 | | 2050 | | | Normal | |
| | 3 | (untitled) | Brad/M62W | ✓ | 52.75 | ✓ | Directly entered | 2050 | | 2050 | | | Normal | |
| B | 1 | (untitled) | Wake/Dews | ✓ | 94.67 | ✓ | Directly entered | 2050 | | 2050 | ✓ | | Normal | |
| | 2 | (untitled) | Brad | ✓ | 97.18 | ✓ | Directly entered | 2150 | | 2150 | ✓ | | Normal | |
| | 3 | (untitled) | Leeds | ✓ | 99.69 | ✓ | Directly entered | 2100 | | 2100 | ✓ | | Normal | |
| | 4 | (untitled) | | ✓ | 102.42 | ✓ | Directly entered | 2050 | | 2050 | ✓ | | Normal | |
| Bc | 1 | (untitled) | Wake | ✓ | 132.35 | ✓ | Directly entered | 2050 | | 2050 | ✓ | | Normal | |
| | 2 | (untitled) | Dews | ✓ | 130.93 | ✓ | Directly entered | 2050 | | 2263 | ✓ | | Normal | |
| | 3 | (untitled) | Brad/M62W | ✓ | 129.52 | ✓ | Directly entered | 2050 | | 2050 | ✓ | | Normal | |
| Bcf | 1 | (untitled) | | ✓ | 62.67 | ✓ | Directly entered | 2263 | | 2263 | | | Normal | |
| | 2 | (untitled) | | ✓ | 63.14 | ✓ | Directly entered | 2263 | | 2050 | | | Normal | |
| | 3 | (untitled) | | ✓ | 62.35 | ✓ | Directly entered | 2263 | | 2050 | | | Normal | |
| | 4 | (untitled) | | ✓ | 62.25 | ✓ | Directly entered | 2263 | | 2050 | | | Normal | |
| Bf | 1 | (untitled) | | ✓ | 227.81 | ✓ | Sum of lanes | 1800 | | 1600 | | | Normal | |
| | 2 | (untitled) | | ✓ | 228.44 | ✓ | Sum of lanes | 1800 | | 1700 | | | Normal | |
| C | 1 | (untitled) | Dews/Brad | ✓ | 121.13 | ✓ | Directly entered | 2100 | | 2050 | ✓ | | Normal | |
| | 2 | (untitled) | M62W/Brad/Leeds | ✓ | 123.10 | ✓ | Directly entered | 2200 | | 2100 | ✓ | | Normal | |
| | 3 | (untitled) | Leeds/M62E | ✓ | 124.35 | ✓ | Directly entered | 2050 | | 1900 | ✓ | | Normal | |
| Cf | 1 | (untitled) | | ✓ | 144.60 | ✓ | Sum of lanes | 1965 | | 1965 | | | Normal | |
| | 2 | (untitled) | | ✓ | 145.86 | ✓ | Sum of lanes | 1965 | | 1965 | | | Normal | |
| | 1 | (untitled) | Brad/M62 | | 55.00 | ✓ | Directly entered | 2050 | | 2050 | ✓ | | Normal | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **D** | **2** | (untitled) | Leeds | | 55.00 | ✓ | Directly entered | 1850 | | 2075 | ✓ | | Normal | |
| | **3** | (untitled) | Leeds/M62/Wake | ✓ | 52.87 | ✓ | Directly entered | 2250 | | 2250 | ✓ | | Normal | |
| | **4** | (untitled) | Leeds/M62/Wake | ✓ | 55.42 | ✓ | Directly entered | 2250 | | 2250 | ✓ | | Normal | |
| **Dc** | **1** | (untitled) | Brad | ✓ | 50.27 | ✓ | Directly entered | 2100 | | 2100 | ✓ | | Normal | |
| | **2** | (untitled) | Brad/M62W | ✓ | 48.34 | ✓ | Directly entered | 2100 | | 2100 | ✓ | | Normal | |
| | **3** | (untitled) | Leeds | ✓ | 46.42 | ✓ | Directly entered | 2100 | | 2100 | ✓ | | Normal | |
| | **4** | (untitled) | Leeds/M62E | ✓ | 44.49 | ✓ | Directly entered | 2100 | | 2100 | ✓ | | Normal | |
| **Dcf** | **1** | (untitled) | | ✓ | 65.95 | ✓ | Directly entered | 2050 | | 2050 | | | Normal | |
| | **2** | (untitled) | | ✓ | 65.92 | ✓ | Directly entered | 2100 | | 2100 | | | Normal | |
| | **3** | (untitled) | | ✓ | 66.39 | ✓ | Directly entered | 2100 | | 2100 | | | Normal | |
| | **4** | (untitled) | | ✓ | 66.58 | ✓ | Directly entered | 2100 | | 2100 | | | Normal | |
| | **5** | (untitled) | | ✓ | 66.89 | ✓ | Directly entered | 2100 | | 2100 | | | Normal | |
| | **6** | (untitled) | | ✓ | 67.13 | ✓ | Directly entered | 2100 | | 2100 | | | Normal | |
| **Df** | **1** | (untitled) | | | 200.00 | ✓ | Sum of lanes | 1900 | | | | | Normal | |
| | **2** | (untitled) | | | 200.00 | ✓ | Directly entered | 2250 | | | | | Normal | |
| **Dxp** | **1** | (untitled) | | ✓ | 46.62 | ✓ | Directly entered | 2050 | | | ✓ | | Normal | |
| | **2** | (untitled) | | ✓ | 48.64 | ✓ | Directly entered | 2050 | | | ✓ | | Normal | |
| **Ec** | **1** | (untitled) | M62W | ✓ | 50.09 | ✓ | Directly entered | 2150 | | 2150 | ✓ | | Normal | |
| | **2** | (untitled) | Leeds | ✓ | 48.43 | ✓ | Directly entered | 2263 | | 2263 | ✓ | | Normal | |
| | **3** | (untitled) | Leeds | ✓ | 46.77 | ✓ | Directly entered | 2263 | | 2263 | ✓ | | Normal | |
| | **4** | (untitled) | M62E | ✓ | 45.11 | ✓ | Directly entered | 2250 | | 2250 | ✓ | | Normal | |
| **Ecf** | **1** | (untitled) | | ✓ | 45.94 | ✓ | Directly entered | 2100 | | 2100 | | | Normal | |
| | **2** | (untitled) | | ✓ | 46.37 | ✓ | Directly entered | 2100 | | 2100 | | | Normal | |
| | **3** | (untitled) | | ✓ | 46.93 | ✓ | Directly entered | 2263 | | 2263 | | | Normal | |
| | **4** | (untitled) | | ✓ | 47.50 | ✓ | Directly entered | 2300 | | 2300 | | | Normal | |
| | **5** | (untitled) | | ✓ | 48.55 | ✓ | Directly entered | 2300 | | 2300 | | | Normal | |
| **Ef** | **1** | (untitled) | | ✓ | 127.54 | ✓ | Directly entered | 1900 | | | | | Normal | |
| | **2** | (untitled) | | ✓ | 127.54 | ✓ | Sum of lanes | 1900 | | | | | Normal | |
| **Exp** | **1** | (untitled) | | ✓ | 51.83 | ✓ | Directly entered | 2050 | | 2100 | ✓ | | Normal | |
| | **2** | (untitled) | | ✓ | 53.71 | ✓ | Directly entered | 2050 | | 2100 | ✓ | | Normal | |
| **F** | **1** | (untitled) | Leeds | ✓ | 85.13 | ✓ | Directly entered | 2100 | | 2100 | ✓ | | Normal | |
| | **2** | (untitled) | Wake | ✓ | 85.72 | ✓ | Directly entered | 2100 | | 2100 | ✓ | | Normal | |
| | **3** | (untitled) | Dews/Brad | ✓ | 87.25 | ✓ | Directly entered | 2100 | | 2100 | ✓ | | Normal | |
| | **1** | (untitled) | Leeds | ✓ | 183.21 | ✓ | Directly entered | 2263 | | 2263 | ✓ | | Normal | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Fc** | **2** | (untitled) | Leeds | ✓ | 181.45 | ✓ | Directly entered | 2263 | | 2263 | ✓ | | Normal | |
| | **3** | (untitled) | M62E/Dews | ✓ | 180.28 | ✓ | Directly entered | 2263 | | 2263 | ✓ | | Normal | |
| **Ff** | **1** | (untitled) | | ✓ | 275.73 | ✓ | Sum of lanes | 1900 | | 1900 | | | Normal | |
| | **2** | (untitled) | | ✓ | 275.39 | ✓ | Sum of lanes | 1900 | | 1900 | | | Normal | |
| **G** | **1** | (untitled) | | ✓ | 156.15 | ✓ | Directly entered | 2050 | | 2050 | ✓ | | Normal | |
| | **2** | (untitled) | | ✓ | 152.60 | ✓ | Directly entered | 2050 | | 2050 | ✓ | | Normal | |
| **Gf** | **1** | (untitled) | | ✓ | 38.89 | ✓ | Directly entered | 2050 | | 2050 | | | Normal | |
| | **2** | (untitled) | | ✓ | 38.45 | ✓ | Directly entered | 2050 | | 2050 | | | Normal | |
| **xA** | **1** | (untitled) | | ✓ | 229.66 | ✓ | Directly entered | 2263 | | 2263 | | | Normal | |
| | **2** | (untitled) | | ✓ | 230.01 | ✓ | Directly entered | 2263 | | 2263 | | | Normal | |
| **xB** | **1** | (untitled) | | ✓ | 77.15 | | | | | | | | Normal | |
| **xC** | **1** | (untitled) | | ✓ | 115.60 | ✓ | Sum of lanes | 1900 | | 1900 | | | Normal | |
| | **2** | (untitled) | | ✓ | 115.98 | ✓ | Sum of lanes | 1900 | | 1900 | | | Normal | |
| **xD** | **1** | (untitled) | | ✓ | 121.71 | | | | | | | | Normal | |
| | **2** | (untitled) | | ✓ | 122.74 | | | | | | | | Normal | |
| **xE** | **1** | (untitled) | | ✓ | 173.89 | | | | | | | | Normal | |
| | **2** | (untitled) | | ✓ | 173.83 | | | | | | | | Normal | |
| **xF** | **1** | (untitled) | | ✓ | 162.53 | | | | | | | | Normal | |
| **Cc1** | **1** | (untitled) | Wake | ✓ | 96.46 | ✓ | Directly entered | 2050 | | 2050 | ✓ | | Normal | |
| **E1** | **1** | (untitled) | M62W/Leeds | | 80.00 | ✓ | Directly entered | 2050 | | 1900 | ✓ | | Normal | |
| | **2** | (untitled) | Leeds/M62E | | 80.00 | ✓ | Directly entered | 2200 | | 2100 | ✓ | | Normal | |
| **Gf1** | **1** | (untitled) | | ✓ | 47.81 | | | | | | | ✓ | Normal | |
| **Cc2** | **2** | (untitled) | Dews | ✓ | 91.39 | ✓ | Directly entered | 2150 | | 2100 | ✓ | | Normal | |
| | **3** | (untitled) | Brad/M62W | ✓ | 89.96 | ✓ | Directly entered | 2050 | | 2050 | ✓ | | Normal | |
| | **4** | (untitled) | Dews/Brad | ✓ | 91.32 | ✓ | Directly entered | 2150 | | 2100 | ✓ | | Normal | |
| | **5** | (untitled) | Leeds | ✓ | 89.00 | ✓ | Directly entered | 2050 | | 2050 | ✓ | | Normal | |
| | **6** | (untitled) | Leeds | ✓ | 88.58 | ✓ | Directly entered | 2050 | | 2050 | ✓ | | Normal | |
| **E2** | **3** | (untitled) | Wake | ✓ | 53.28 | ✓ | Directly entered | 2150 | | 2050 | ✓ | | Normal | |
| | **4** | (untitled) | Wake | ✓ | 54.33 | ✓ | Directly entered | 2050 | | 2050 | ✓ | | Normal | |
| **TC5** | **2** | (untitled) | | ✓ | 23.03 | ✓ | Sum of lanes | 2263 | | 2263 | ✓ | | Normal | |
| | **3** | (untitled) | | ✓ | 23.02 | ✓ | Directly entered | 2263 | | 2263 | ✓ | | Normal | |
| | **4** | (untitled) | | ✓ | 24.43 | ✓ | Sum of lanes | 1800 | | 2263 | ✓ | | Normal | |
| **TC9** | **1** | (untitled) | | ✓ | 91.71 | ✓ | Directly entered | 1925 | | 1925 | ✓ | | Normal | |
| | **2** | (untitled) | | ✓ | 92.11 | ✓ | Sum of lanes | 1966 | | 1966 | ✓ | | Normal | |
| | **3** | (untitled) | | ✓ | 92.69 | ✓ | Sum of lanes | 1947 | | 1947 | ✓ | | Normal | |
| **TC35** | **1** | (untitled) | | ✓ | 24.16 | ✓ | Directly entered | 1900 | | 2263 | ✓ | | Normal | |
| **TC36** | **1** | (untitled) | | ✓ | 25.22 | ✓ | Sum of lanes | 1800 | | | | | Normal | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TC37 | 1 | (untitled) | | ✓ | 44.32 | ✓ | Directly entered | 1850 | | 1850 | ✓ | | Normal | |
| TC38 | 1 | (untitled) | | ✓ | 21.32 | ✓ | Directly entered | 1850 | | 1850 | | ✓ | Normal | |
| TC39 | 2 | (untitled) | | ✓ | 35.24 | ✓ | Directly entered | 2263 | | 2263 | | | Normal | |
| | 3 | (untitled) | | ✓ | 33.28 | ✓ | Directly entered | 2263 | | 2263 | | | Normal | |
| TC40 | 2 | (untitled) | | ✓ | 58.74 | | | | | | | | Normal | |
| | 3 | (untitled) | | ✓ | 55.82 | | | | | | | | Normal | |
| TC41 | 1 | (untitled) | | ✓ | 54.63 | ✓ | Directly entered | 1850 | | 1850 | ✓ | | Normal | |
| | 2 | (untitled) | | ✓ | 55.07 | ✓ | Directly entered | 1850 | | 1850 | ✓ | | Normal | |
| TC42 | 1 | (untitled) | | ✓ | 23.35 | ✓ | Sum of lanes | 1771 | | | ✓ | | Normal | |
| TC43 | 1 | (untitled) | | ✓ | 52.01 | ✓ | Sum of lanes | 1800 | | | | | Normal | |
| 47 | 1 | (untitled) | | ✓ | 133.63 | ✓ | Directly entered | 1300 | | 1300 | | | Normal | |
| 48 | 1 | (untitled) | | ✓ | 55.12 | ✓ | Sum of lanes | 1965 | | | | | Normal | |
| 49 | 1 | (untitled) | | ✓ | 26.24 | ✓ | Directly entered | 1900 | | | | | Normal | |
| | 2 | (untitled) | | ✓ | 26.24 | ✓ | Directly entered | 1900 | | | | | Normal | |
| 50 | 1 | (untitled) | | ✓ | 48.15 | ✓ | Sum of lanes | 1900 | | | | | Normal | |
| 51 | 1 | (untitled) | | ✓ | 37.47 | ✓ | Sum of lanes | 1900 | | | | | Normal | |

## Lanes

| Arm | Traffic Stream | Lane | Name | Description | Use RR67 | Surface condition | Site quality factor | Gradient (%) | Width (m) | Use connector turning radius | Proportion that turn (%) | Turning radius (m) | Nearside lane | Saturation flow (PCU/hr) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | 1 | 1 | (untitled) | | | | | | | | | | | |
| | 2 | 2 | (untitled) | | | | | | | | | | | |
| | 3 | 3 | (untitled) | | | | | | | | | | | |
| | 4 | 4 | (untitled) | | | | | | | | | | | |
| Ac | 1 | 1 | (untitled) | | | | | | | | | | | |
| | 2 | 2 | (untitled) | | | | | | | | | | | |
| | 3 | 3 | (untitled) | | | | | | | | | | | |
| Acf | 1 | 1 | (untitled) | | | | | | | | | | | |
| | 2 | 2 | (untitled) | | | | | | | | | | | |
| Af | 1 | 1 | (untitled) | | | | | | | | | | | |
| | 2 | 2 | (untitled) | | | | | | | | | | | |
| | 3 | 3 | (untitled) | | | | | | | | | | | |
| B | 1 | 1 | (untitled) | | | | | | | | | | | |
| | 2 | 2 | (untitled) | | | | | | | | | | | |
| | 3 | 3 | (untitled) | | | | | | | | | | | |
| | 4 | 4 | (untitled) | | | | | | | | | | | |
| Bc | 1 | 1 | (untitled) | | | | | | | | | | | |
| | 2 | 1 | (untitled) | | | | | | | | | | | |
| | 3 | 1 | (untitled) | | | | | | | | | | | |
| Bcf | 1 | 1 | (untitled) | | | | | | | | | | | |
| | 2 | 1 | (untitled) | | | | | | | | | | | |
| | 3 | 1 | (untitled) | | | | | | | | | | | |
| | 4 | 1 | (untitled) | | | | | | | | | | | |
| Bf | 1 | 1 | (untitled) | | | | | | | | | | | 1800 |
| | 2 | 1 | (untitled) | | | | | | | | | | | 1800 |
| C | 1 | 1 | (untitled) | | | | | | | | | | | |
| | 2 | 2 | (untitled) | | | | | | | | | | | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 3 | (untitled) | | | | | | | | | | | | |
| Cf | 1 | 2 | (untitled) | | | | | | | | | | | | 1965 |
| | 2 | 1 | (untitled) | | | | | | | | | | | | 1965 |
| D | 1 | 1 | (untitled) | | | | | | | | | | | | |
| | 2 | 2 | (untitled) | | | | | | | | | | | | |
| | 3 | 3 | (untitled) | | | | | | | | | | | | |
| | 4 | 3 | (untitled) | | | | | | | | | | | | |
| Dc | 1 | 1 | (untitled) | | | | | | | | | | | | |
| | 2 | 2 | (untitled) | | | | | | | | | | | | |
| | 3 | 3 | (untitled) | | | | | | | | | | | | |
| | 4 | 4 | (untitled) | | | | | | | | | | | | |
| Dcf | 1 | 1 | (untitled) | | | | | | | | | | | | |
| | 2 | 2 | (untitled) | | | | | | | | | | | | |
| | 3 | 3 | (untitled) | | | | | | | | | | | | |
| | 4 | 4 | (untitled) | | | | | | | | | | | | |
| | 5 | 5 | (untitled) | | | | | | | | | | | | |
| | 6 | 5 | (untitled) | | | | | | | | | | | | |
| Df | 1 | 1 | (untitled) | | | | | | | | | | | | 1900 |
| | 2 | 2 | (untitled) | | | | | | | | | | | | |
| Dxp | 1 | 1 | (untitled) | | | | | | | | | | | | |
| | 2 | 1 | (untitled) | | | | | | | | | | | | |
| Ec | 1 | 1 | (untitled) | | | | | | | | | | | | |
| | 2 | 1 | (untitled) | | | | | | | | | | | | |
| | 3 | 1 | (untitled) | | | | | | | | | | | | |
| | 4 | 1 | (untitled) | | | | | | | | | | | | |
| Ecf | 1 | 1 | (untitled) | | | | | | | | | | | | |
| | 2 | 2 | (untitled) | | | | | | | | | | | | |
| | 3 | 3 | (untitled) | | | | | | | | | | | | |
| | 4 | 4 | (untitled) | | | | | | | | | | | | |
| | 5 | 4 | (untitled) | | | | | | | | | | | | |
| Ef | 1 | 1 | (untitled) | | | | | | | | | | | | |
| | 2 | 2 | (untitled) | | | | | | | | | | | | 1900 |
| Exp | 1 | 1 | (untitled) | | | | | | | | | | | | |
| | 2 | 2 | (untitled) | | | | | | | | | | | | |
| F | 1 | 1 | (untitled) | | | | | | | | | | | | |
| | 2 | 2 | (untitled) | | | | | | | | | | | | |
| | 3 | 3 | (untitled) | | | | | | | | | | | | |
| Fc | 1 | 1 | (untitled) | | | | | | | | | | | | |
| | 2 | 2 | (untitled) | | | | | | | | | | | | |
| | 3 | 3 | (untitled) | | | | | | | | | | | | |
| Ff | 1 | 1 | (untitled) | | | | | | | | | | | | 1900 |
| | 2 | 2 | (untitled) | | | | | | | | | | | | 1900 |
| G | 1 | 1 | (untitled) | | | | | | | | | | | | |
| | 2 | 2 | (untitled) | | | | | | | | | | | | |
| Gf | 1 | 1 | (untitled) | | | | | | | | | | | | |
| | 2 | 2 | (untitled) | | | | | | | | | | | | |
| xA | 1 | 1 | (untitled) | | | | | | | | | | | | |
| | 2 | 2 | (untitled) | | | | | | | | | | | | |
| xB | 1 | 1 | (untitled) | | | | | | | | | | | | |
| xC | 1 | 1 | (untitled) | | | | | | | | | | | | 1900 |
| | 2 | 2 | (untitled) | | | | | | | | | | | | 1900 |
| xD | 1 | 1 | (untitled) | | | | | | | | | | | | |
| | 2 | 2 | (untitled) | | | | | | | | | | | | |
| xE | 1 | 1 | (untitled) | | | | | | | | | | | | |
| | 2 | 2 | (untitled) | | | | | | | | | | | | |
| xF | 1 | 1 | (untitled) | | | | | | | | | | | | |
| Cc1 | 1 | 1 | (untitled) | | | | | | | | | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E1 | 1 | 1 | (untitled) | | | | | | | | | | | |
| | 2 | 2 | (untitled) | | | | | | | | | | | |
| Gf1 | 1 | 1 | (untitled) | | | | | | | | | | | |
| Cc2 | 2 | 2 | (untitled) | | | | | | | | | | | |
| | 3 | 3 | (untitled) | | | | | | | | | | | |
| | 4 | 4 | (untitled) | | | | | | | | | | | |
| | 5 | 5 | (untitled) | | | | | | | | | | | |
| | 6 | 5 | (untitled) | | | | | | | | | | | |
| E2 | 3 | 3 | (untitled) | | | | | | | | | | | |
| | 4 | 4 | (untitled) | | | | | | | | | | | |
| TC5 | 2 | 1 | (untitled) | | ✓ | N/A | Clearly Good | 0 | 3.50 | ✓ | 0 | 99999.00 | | 2263 |
| | 3 | 1 | (untitled) | | | | | | | | | | | |
| | 4 | 1 | (untitled) | | | | | | | | | | | 1800 |
| TC9 | 1 | 1 | (untitled) | | | | | | | | | | | |
| | 2 | 1 | (untitled) | | ✓ | N/A | Average | 0 | 3.70 | ✓ | 0 | 99999.00 | | 1966 |
| | 3 | 1 | (untitled) | | ✓ | N/A | Average | 0 | 3.50 | ✓ | 0 | 99999.00 | | 1947 |
| TC35 | 1 | 1 | (untitled) | | | | | | | | | | | |
| TC36 | 1 | 1 | (untitled) | | | | | | | | | | | 1800 |
| TC37 | 1 | 1 | (untitled) | | | | | | | | | | | |
| TC38 | 1 | 1 | (untitled) | | | | | | | | | | | |
| TC39 | 2 | 1 | (untitled) | | | | | | | | | | | |
| | 3 | 1 | (untitled) | | | | | | | | | | | |
| TC40 | 2 | 1 | (untitled) | | | | | | | | | | | |
| | 3 | 1 | (untitled) | | | | | | | | | | | |
| TC41 | 1 | 1 | (untitled) | | | | | | | | | | | |
| | 2 | 1 | (untitled) | | | | | | | | | | | |
| TC42 | 1 | 1 | (untitled) | | ✓ | N/A | Average | 0 | 3.00 | ✓ | 0 | 9.44 | ✓ | 1771 |
| TC43 | 1 | 1 | (untitled) | | | | | | | | | | | 1800 |
| 47 | 1 | 1 | (untitled) | | | | | | | | | | | |
| 48 | 1 | 1 | (untitled) | | | | | | | | | | | 1965 |
| 49 | 1 | 2 | (untitled) | | | | | | | | | | | |
| | 2 | 1 | (untitled) | | | | | | | | | | | |
| 50 | 1 | 1 | (untitled) | | | | | | | | | | | 1900 |
| 51 | 1 | 1 | (untitled) | | | | | | | | | | | 1900 |

## Modelling

| Arm | Traffic Stream | Traffic model | Stop weighting multiplier (%) | Delay weighting multiplier (%) | Assignment Cost Weighting (%) | Exclude from results calculation | Max queue storage (PCU) | Has queue limit | Queue limit (PCU) | Excess queue penalty (£) | Has degree of saturation limit | Degree of saturation limit (%) | Excess degree of saturation penalty (£) | Low degree o saturatio penalty (£) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 3 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 4 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Ac | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 3 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Acf | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Af | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 3 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| B | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 3 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 4 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Bc | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Bcf | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 3 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 4 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Bf | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| C | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 3 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Cf | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| D | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 3 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 4 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Dc | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 3 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 4 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Dcf | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 3 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 4 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 5 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 6 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Df | 1 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Dxp | 1 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Ec | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 3 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 4 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Ecf | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 3 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 4 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 5 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Ef | 1 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Exp | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| F | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 3 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Fc | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 3 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Ff | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | ✓ | 0.00 | 0.00 | ✓ | 2 | 0.00 | 0.00 |
| G | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Gf | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| xA | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| xB | 1 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| xC | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| xD | 1 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |
| xE | 1 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |
| xF | 1 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Cc1 | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| E1 | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Gf1 | 1 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |
| Cc2 | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 3 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 4 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 5 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 6 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| E2 | 3 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 4 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| TC5 | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 3 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 4 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| TC9 | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 3 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| TC35 | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| TC36 | 1 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |
| TC37 | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| TC38 | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| TC39 | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 3 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| TC40 | 2 | PDM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 3 | PDM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| TC41 | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| TC42 | 1 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |
| TC43 | 1 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |
| 47 | 1 | CTM | 100 | 100 | 100 | | 0.00 | | | | | | | |
| 48 | 1 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |
| 49 | 1 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |
| | 2 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |
| 50 | 1 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |
| 51 | 1 | NetworkDefault | 100 | 100 | 100 | | 0.00 | | | | | | | |

## Modelling - Advanced

| Arm | Traffic Stream | Initial queue (PCU) | Type of Vehicle-in-Service | Vehicle-in-Service | Type of random parameter | Random parameter | Auto cycle time | Cycle time |
|---|---|---|---|---|---|---|---|---|
| (ALL) | (ALL) | 0.00 | NetworkDefault | Not-Included | NetworkDefault | 0.50 | ✓ | 120 |

## Normal traffic - Modelling

| Arm | Traffic Stream | Stop weighting (%) | Delay weighting (%) |
|---|---|---|---|
| (ALL) | (ALL) | 100 | 100 |

## Normal traffic - Advanced

| Arm | Traffic Stream | Dispersion type for Normal Traffic |
|---|---|---|
| (ALL) | (ALL) | NetworkDefault |

## Flows

| Arm | Traffic Stream | Total Flow (PCU/hr) | Normal Flow (PCU/hr) |
|---|---|---|---|

| | | | |
|---|---|---|---|
| A | 1 | 430 | 430 |
| | 2 | 165 | 165 |
| | 3 | 366 | 366 |
| | 4 | 540 | 540 |
| Ac | 1 | 1155 | 1155 |
| | 2 | 230 | 230 |
| | 3 | 401 | 401 |
| Acf | 1 | 1385 | 1385 |
| | 2 | 401 | 401 |
| Af | 1 | 595 | 595 |
| | 2 | 366 | 366 |
| | 3 | 540 | 540 |
| B | 1 | 422 | 422 |
| | 2 | 435 | 435 |
| | 3 | 532 | 532 |
| | 4 | 578 | 578 |
| Bc | 1 | 395 | 395 |
| | 2 | 541 | 541 |
| | 3 | 765 | 765 |
| Bcf | 1 | 1585 | 1585 |
| | 2 | 395 | 395 |
| | 3 | 541 | 541 |
| | 4 | 765 | 765 |
| Bf | 1 | 857 | 857 |
| | 2 | 1110 | 1110 |
| C | 1 | 528 | 528 |
| | 2 | 481 | 481 |
| | 3 | 596 | 596 |
| Cf | 1 | 1009 | 1009 |
| | 2 | 596 | 596 |
| D | 1 | 539 | 539 |
| | 2 | 581 | 581 |
| | 3 | 572 | 572 |
| | 4 | 636 | 636 |
| Dc | 1 | 983 | 983 |
| | 2 | 891 | 891 |
| | 3 | 786 | 786 |
| | 4 | 951 | 951 |
| Dcf | 1 | 1009 | 1009 |
| | 2 | 217 | 217 |
| | 3 | 983 | 983 |
| | 4 | 891 | 891 |
| | 5 | 786 | 786 |
| | 6 | 951 | 951 |
| Df | 1 | 1120 | 1120 |
| | 2 | 1208 | 1208 |
| Dxp | 1 | 1009 | 1009 |
| | 2 | 217 | 217 |
| Ec | 1 | 849 | 849 |
| | 2 | 1367 | 1367 |
| | 3 | 1485 | 1485 |
| | 4 | 636 | 636 |
| Ecf | 1 | 1071 | 1071 |
| | 2 | 1342 | 1342 |
| | 3 | 1367 | 1367 |
| | 4 | 1485 | 1485 |
| | 5 | 674 | 674 |

| | | | |
|---|---|---|---|
| **Ef** | **1** | 907 | 907 |
| | **2** | 509 | 509 |
| **Exp** | **1** | 1071 | 1071 |
| | **2** | 493 | 493 |
| **F** | **1** | 310 | 310 |
| | **2** | 310 | 310 |
| | **3** | 323 | 323 |
| **Fc** | **1** | 1602 | 1602 |
| | **2** | 1519 | 1519 |
| | **3** | 1219 | 1219 |
| **Ff** | **1** | 619 | 619 |
| | **2** | 323 | 323 |
| **G** | **1** | 280 | 280 |
| | **2** | 267 | 267 |
| **Gf** | **1** | 261 | 261 |
| | **2** | 248 | 248 |
| **xA** | **1** | 1762 | 1762 |
| | **2** | 1735 | 1735 |
| **xB** | **1** | 1585 | 1585 |
| **xC** | **1** | 498 | 498 |
| | **2** | 486 | 486 |
| **xD** | **1** | 1009 | 1009 |
| | **2** | 217 | 217 |
| **xE** | **1** | 1071 | 1071 |
| | **2** | 493 | 493 |
| **xF** | **1** | 904 | 904 |
| **Cc1** | **1** | 437 | 437 |
| **E1** | **1** | 324 | 324 |
| | **2** | 583 | 583 |
| **Gf1** | **1** | 38 | 38 |
| **Cc2** | **2** | 921 | 921 |
| | **3** | 410 | 410 |
| | **4** | 760 | 760 |
| | **5** | 563 | 563 |
| | **6** | 578 | 578 |
| **E2** | **3** | 261 | 261 |
| | **4** | 248 | 248 |
| **TC5** | **2** | 1174 | 1174 |
| | **3** | 1735 | 1735 |
| | **4** | 0 | 0 |
| **TC9** | **1** | 500 | 500 |
| | **2** | 358 | 358 |
| | **3** | 453 | 453 |
| **TC35** | **1** | 588 | 588 |
| **TC36** | **1** | 230 | 230 |
| **TC37** | **1** | 41 | 41 |
| **TC38** | **1** | 41 | 41 |
| **TC39** | **2** | 1174 | 1174 |
| | **3** | 1735 | 1735 |
| **TC40** | **2** | 1215 | 1215 |
| | **3** | 1735 | 1735 |
| **TC41** | **1** | 95 | 95 |
| | **2** | 95 | 95 |
| **TC42** | **1** | 0 | 0 |
| **TC43** | **1** | 0 | 0 |
| **47** | **1** | 984 | 984 |
| **48** | **1** | 1605 | 1605 |

| | | | |
|---|---|---|---|
| **49** | **1** | 500 | 500 |
| | **2** | 811 | 811 |
| **50** | **1** | 1967 | 1967 |
| **51** | **1** | 942 | 942 |

## Signals

| Am | Traffic Stream | Controller stream | Phase | Second phase enabled |
|---|---|---|---|---|
| **A** | **1** | 771-2 | E | |
| | **2** | 771-2 | E | |
| | **3** | 771-2 | E | |
| | **4** | 771-2 | E | |
| **Ac** | **1** | 771-2 | D | |
| | **2** | 771-2 | D | |
| | **3** | 771-2 | D | |
| **B** | **1** | 769-1 | B | |
| | **2** | 769-1 | B | |
| | **3** | 769-1 | B | |
| | **4** | 769-1 | B | |
| **Bc** | **1** | 769-1 | A | |
| | **2** | 769-1 | A | |
| | **3** | 769-1 | A | |
| **C** | **1** | 769-2 | G | |
| | **2** | 769-2 | G | |
| | **3** | 769-2 | G | |
| **D** | **1** | 770-1 | B | |
| | **2** | 770-1 | B | |
| | **3** | 770-1 | B | |
| | **4** | 770-1 | B | |
| **Dc** | **1** | 770-1 | A | |
| | **2** | 770-1 | A | |
| | **3** | 770-1 | A | |
| | **4** | 770-1 | A | |
| **Dxp** | **1** | 770-2 | D | |
| | **2** | 770-2 | D | |
| **Ec** | **1** | 770-3 | F | |
| | **2** | 770-3 | F | |
| | **3** | 770-3 | F | |
| | **4** | 770-3 | F | |
| **Exp** | **1** | 770-4 | L | |
| | **2** | 770-4 | L | |
| **F** | **1** | 771-1 | B | |
| | **2** | 771-1 | B | |
| | **3** | 771-1 | B | |
| **Fc** | **1** | 771-1 | A | |
| | **2** | 771-1 | A | |
| | **3** | 771-1 | A | |
| **G** | **1** | 769-2 | F | |
| | **2** | 769-2 | F | |
| **Cc1** | **1** | 769-2 | E | |
| **E1** | **1** | 770-3 | G | |
| | **2** | 770-3 | G | |
| **Cc2** | **2** | 769-2 | D | |
| | **3** | 769-2 | D | |
| | **4** | 769-2 | D | |
| | **5** | 769-2 | D | |
| | **6** | 769-2 | D | |
| **E2** | **3** | 770-3 | H | |
| | **4** | 770-3 | H | |

| | | | | |
|---|---|---|---|---|
| TC5 | 2 | TC777-1 | A | |
| | 3 | TC777-1 | A | |
| | 4 | TC777-1 | C | |
| TC9 | 1 | TC777-1 | B | |
| | 2 | TC777-1 | B | |
| | 3 | TC777-1 | B | |
| TC35 | 1 | TC777-1 | A | |
| TC37 | 1 | TC777-2 | J | |
| TC41 | 1 | TC777-1 | D | |
| | 2 | TC777-1 | D | |
| TC42 | 1 | TC777-1 | E | |

## Entry Sources

| Arm | Traffic Stream | Cruise time for Normal Traffic (s) | Cruise speed for Normal Traffic (kph) |
|---|---|---|---|
| Df | 1 | 24.00 | 30.00 |
| | 2 | 24.00 | 30.00 |
| Ef | 1 | 15.31 | 30.00 |
| | 2 | 15.31 | 30.00 |
| TC36 | 1 | 3.03 | 30.00 |
| TC42 | 1 | 2.80 | 30.00 |
| 48 | 1 | 6.61 | 30.00 |
| 49 | 1 | 3.15 | 30.00 |
| | 2 | 3.15 | 30.00 |
| 50 | 1 | 5.78 | 30.00 |
| 51 | 1 | 4.50 | 30.00 |

## Sources

| Arm | Traffic Stream | Source | Source traffic stream | Destination traffic stream | Cruise time for Normal Traffic (s) | Cruise speed for Normal Traffic (kph) | Auto turning radius | Traffic turn style | Turning radius (m) |
|---|---|---|---|---|---|---|---|---|---|
| A | 1 | 1 | Af/1 | A/1 | 5.59 | 48.00 | ✓ | Straight | Straight Movement |
| | 2 | 1 | Af/1 | A/2 | 5.77 | 48.00 | ✓ | Straight | Straight Movement |
| | 3 | 1 | Af/2 | A/3 | 5.90 | 48.00 | ✓ | Straight | Straight Movement |
| | 4 | 1 | Af/3 | A/4 | 6.03 | 48.00 | ✓ | Straight | Straight Movement |
| Ac | 1 | 1 | Acf/1 | Ac/1 | 7.19 | 48.00 | ✓ | Offside | 48.59 |
| | 2 | 1 | Acf/1 | Ac/2 | 9.50 | 35.00 | ✓ | Offside | 46.08 |
| | 3 | 1 | Acf/2 | Ac/3 | 6.60 | 48.00 | ✓ | Offside | 42.76 |
| Acf | 1 | 1 | F/2 | Acf/1 | 5.22 | 48.00 | ✓ | Straight | Straight Movement |
| | 2 | 1 | F/3 | Acf/2 | 7.24 | 35.00 | ✓ | Straight | Straight Movement |
| Af | 1 | 1 | TC42/1 | Af/1 | 6.42 | 30.00 | ✓ | Nearside | 10.60 |
| | 2 | 1 | TC42/1 | Af/2 | 6.36 | 30.00 | ✓ | Nearside | 10.60 |
| | 3 | 1 | TC42/1 | Af/3 | 6.33 | 30.00 | ✓ | Nearside | 10.60 |
| B | 1 | 1 | Bf/1 | B/1 | 7.10 | 48.00 | ✓ | Straight | Straight Movement |
| | 2 | 1 | Bf/1 | B/2 | 7.29 | 48.00 | ✓ | Straight | Straight Movement |
| | 3 | 1 | Bf/2 | B/3 | 7.48 | 48.00 | ✓ | Straight | Straight Movement |
| | 4 | 1 | Bf/2 | B/4 | 12.29 | 30.00 | ✓ | Straight | Straight Movement |
| Bc | 1 | 1 | Bcf/2 | Bc/1 | 9.93 | 48.00 | ✓ | Offside | 53.41 |
| | 2 | 1 | Bcf/3 | Bc/2 | 9.82 | 48.00 | ✓ | Offside | 50.09 |
| | 3 | 1 | Bcf/4 | Bc/3 | 9.71 | 48.00 | ✓ | Offside | 46.78 |
| Bcf | 1 | 1 | A/1 | Bcf/1 | 4.70 | 48.00 | ✓ | Nearside | 68.65 |
| | 2 | 1 | A/2 | Bcf/2 | 6.69 | 34.00 | ✓ | Nearside | 71.96 |
| | 3 | 1 | A/3 | Bcf/3 | 6.60 | 34.00 | ✓ | Nearside | 75.27 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 4 | 1 | A/4 | Bcf/4 | 6.59 | 34.00 | ✓ | Nearside | 78.59 |
| Bf | 1 | 1 | 50/1 | Bf/1 | 27.34 | 30.00 | ✓ | Straight | Straight Movement |
| | 2 | 1 | 50/1 | Bf/2 | 27.41 | 30.00 | ✓ | Straight | Straight Movement |
| C | 1 | 1 | Cf/1 | C/1 | 14.54 | 30.00 | ✓ | Offside | 59.30 |
| | 2 | 1 | Cf/1 | C/2 | 14.77 | 30.00 | ✓ | Offside | 56.58 |
| | 3 | 1 | Cf/2 | C/3 | 14.92 | 30.00 | ✓ | Offside | 53.27 |
| Cf | 1 | 1 | 48/1 | Cf/1 | 17.35 | 30.00 | ✓ | Straight | Straight Movement |
| | 2 | 1 | 48/1 | Cf/2 | 17.50 | 30.00 | ✓ | Straight | Straight Movement |
| D | 1 | 1 | Df/1 | D/1 | 4.13 | 48.00 | ✓ | Straight | Straight Movement |
| | 2 | 1 | Df/1 | D/2 | 4.13 | 48.00 | ✓ | Straight | Straight Movement |
| | 3 | 1 | Df/2 | D/3 | 3.97 | 48.00 | ✓ | Straight | Straight Movement |
| | 4 | 1 | Df/2 | D/4 | 4.16 | 48.00 | ✓ | Straight | Straight Movement |
| Dc | 1 | 1 | Dcf/3 | Dc/1 | 3.77 | 48.00 | ✓ | Offside | 52.98 |
| | 2 | 1 | Dcf/4 | Dc/2 | 3.63 | 48.00 | ✓ | Offside | 49.67 |
| | 3 | 1 | Dcf/5 | Dc/3 | 3.48 | 48.00 | ✓ | Offside | 46.35 |
| | 4 | 1 | Dcf/6 | Dc/4 | 3.34 | 48.00 | ✓ | Offside | 43.04 |
| Dcf | 1 | 1 | Cc2/2 | Dcf/1 | 4.95 | 48.00 | ✓ | Straight | Straight Movement |
| | 2 | 1 | Cc2/4 | Dcf/2 | 4.94 | 48.00 | ✓ | Straight | Straight Movement |
| | 3 | 1 | C/1 | Dcf/3 | 4.98 | 48.00 | ✓ | Nearside | 55.54 |
| | 4 | 1 | C/2 | Dcf/4 | 4.99 | 48.00 | ✓ | Nearside | 58.86 |
| | 5 | 1 | Cc2/5 | Dcf/5 | 5.02 | 48.00 | ✓ | Straight | Straight Movement |
| | 6 | 1 | C/3 | Dcf/6 | 5.04 | 48.00 | ✓ | Nearside | 62.17 |
| Dxp | 1 | 1 | Dcf/1 | Dxp/1 | 3.50 | 48.00 | ✓ | Nearside | 80.62 |
| | 2 | 1 | Dcf/2 | Dxp/2 | 3.65 | 48.00 | ✓ | Nearside | 83.93 |
| Ec | 1 | 1 | Ecf/2 | Ec/1 | 3.76 | 48.00 | ✓ | Offside | 76.42 |
| | 2 | 1 | Ecf/3 | Ec/2 | 3.63 | 48.00 | ✓ | Offside | 73.10 |
| | 3 | 1 | Ecf/4 | Ec/3 | 3.51 | 48.00 | ✓ | Offside | 69.79 |
| | 4 | 1 | Ecf/5 | Ec/4 | 3.38 | 48.00 | ✓ | Offside | 66.48 |
| Ecf | 1 | 1 | Dc/1 | Ecf/1 | 3.45 | 48.00 | ✓ | Offside | 76.11 |
| | 2 | 1 | Dc/2 | Ecf/2 | 3.48 | 48.00 | ✓ | Offside | 72.80 |
| | 3 | 1 | Dc/3 | Ecf/3 | 3.52 | 48.00 | ✓ | Offside | 69.49 |
| | 4 | 1 | Dc/4 | Ecf/4 | 3.56 | 48.00 | ✓ | Offside | 66.17 |
| | 5 | 1 | Dc/4 | Ecf/5 | 3.64 | 48.00 | ✓ | Offside | 62.86 |
| Exp | 1 | 1 | Ecf/1 | Exp/1 | 3.89 | 48.00 | ✓ | Nearside | 52.96 |
| | 2 | 1 | Ecf/2 | Exp/2 | 4.03 | 48.00 | ✓ | Nearside | 56.27 |
| F | 1 | 1 | Ff/1 | F/1 | 6.38 | 48.00 | ✓ | Straight | Straight Movement |
| | 2 | 1 | Ff/1 | F/2 | 6.43 | 48.00 | ✓ | Straight | Straight Movement |
| | 3 | 1 | Ff/2 | F/3 | 6.54 | 48.00 | ✓ | Straight | Straight Movement |
| Fc | 1 | 1 | Ec/2 | Fc/1 | 18.84 | 35.00 | ✓ | Straight | Straight Movement |
| | 2 | 1 | Ec/3 | Fc/2 | 18.66 | 35.00 | ✓ | Straight | Straight Movement |
| | 3 | 1 | Ec/4 | Fc/3 | 18.54 | 35.00 | ✓ | Straight | Straight Movement |
| Ff | 1 | 1 | 51/1 | Ff/1 | 33.09 | 30.00 | ✓ | Straight | Straight Movement |
| | 2 | 1 | 51/1 | Ff/2 | 33.05 | 30.00 | ✓ | Straight | Straight Movement |
| G | 1 | 1 | Gf/1 | G/1 | 16.06 | 35.00 | ✓ | Offside | 96.83 |
| | 2 | 1 | Gf/2 | G/2 | 11.45 | 48.00 | ✓ | Offside | 93.51 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Gf** | **1** | **1** | E2/3 | Gf/1 | 2.92 | 48.00 | ✓ | Straight | Straight Movement |
| | **2** | **1** | E2/4 | Gf/2 | 2.88 | 48.00 | ✓ | Straight | Straight Movement |
| **xA** | **1** | **1** | F/1 | xA/1 | 17.22 | 48.00 | ✓ | Straight | Straight Movement |
| | **2** | **1** | Fc/2 | xA/2 | 17.25 | 48.00 | ✓ | Straight | Straight Movement |
| **xB** | **1** | **1** | Bcf/1 | xB/1 | 5.79 | 48.00 | ✓ | Nearside | 59.55 |
| **xC** | **1** | **1** | G/1 | xC/1 | 8.67 | 48.00 | ✓ | Straight | Straight Movement |
| | **2** | **1** | G/2 | xC/2 | 8.70 | 48.00 | ✓ | Straight | Straight Movement |
| **xD** | **1** | **1** | Dxp/1 | xD/1 | 9.13 | 48.00 | ✓ | Nearside | 30.26 |
| | **2** | **1** | Dxp/2 | xD/2 | 9.21 | 48.00 | ✓ | Nearside | 33.58 |
| **xE** | **1** | **1** | Exp/1 | xE/1 | 13.04 | 48.00 | ✓ | Straight | Straight Movement |
| | **2** | **1** | Exp/2 | xE/2 | 13.04 | 48.00 | ✓ | Straight | Straight Movement |
| **xF** | **1** | **1** | Ec/1 | xF/1 | 12.19 | 48.00 | ✓ | Straight | Straight Movement |
| **Cc1** | **1** | **1** | B/1 | Cc1/1 | 8.68 | 40.00 | ✓ | Straight | Straight Movement |
| **E1** | **1** | **1** | Ef/1 | E1/1 | 6.00 | 48.00 | ✓ | Nearside | 26.33 |
| | **2** | **1** | Ef/1 | E1/2 | 6.00 | 48.00 | ✓ | Nearside | 28.96 |
| **Gf1** | **1** | **1** | Ecf/5 | Gf1/1 | 3.59 | 48.00 | ✓ | Offside | 21.77 |
| **Cc2** | **2** | **1** | B/1 | Cc2/2 | 8.23 | 40.00 | ✓ | Straight | Straight Movement |
| | **3** | **1** | B/3 | Cc2/3 | 8.10 | 40.00 | ✓ | Straight | Straight Movement |
| | **4** | **1** | B/2 | Cc2/4 | 8.22 | 40.00 | ✓ | Straight | Straight Movement |
| | **5** | **1** | B/3 | Cc2/5 | 8.01 | 40.00 | ✓ | Straight | Straight Movement |
| | **6** | **1** | B/4 | Cc2/6 | 7.97 | 40.00 | ✓ | Straight | Straight Movement |
| **E2** | **3** | **1** | Ef/2 | E2/3 | 4.00 | 48.00 | ✓ | Nearside | 43.25 |
| | **4** | **1** | Ef/2 | E2/4 | 4.07 | 48.00 | ✓ | Nearside | 43.25 |
| **TC5** | **2** | **1** | xA/1 | TC5/2 | 2.76 | 30.00 | ✓ | Straight | Straight Movement |
| | **3** | **1** | xA/2 | TC5/3 | 2.76 | 30.00 | ✓ | Straight | Straight Movement |
| | **4** | **1** | xA/2 | TC5/4 | 2.93 | 30.00 | ✓ | Straight | Straight Movement |
| **TC9** | **1** | **1** | 49/1 | TC9/1 | 11.00 | 30.00 | ✓ | Straight | Straight Movement |
| | **2** | **1** | 49/2 | TC9/2 | 11.05 | 30.00 | ✓ | Straight | Straight Movement |
| | **3** | **1** | 49/2 | TC9/3 | 11.12 | 30.00 | ✓ | Straight | Straight Movement |
| **TC35** | **1** | **1** | xA/1 | TC35/1 | 2.90 | 30.00 | ✓ | Straight | Straight Movement |
| **TC37** | **1** | **1** | TC36/1 | TC37/1 | 3.19 | 50.00 | ✓ | Nearside | 46.04 |
| **TC38** | **1** | **1** | TC37/1 | TC38/1 | 1.53 | 50.00 | ✓ | Straight | Straight Movement |
| **TC39** | **2** | **1** | TC5/2 | TC39/2 | 2.54 | 50.00 | ✓ | Straight | Straight Movement |
| | **3** | **1** | TC5/3 | TC39/3 | 2.40 | 50.00 | ✓ | Straight | Straight Movement |
| **TC40** | **2** | **1** | TC38/1 | TC40/2 | 4.23 | 50.00 | ✓ | Nearside | 11.92 |
| | **3** | **1** | TC39/3 | TC40/3 | 4.02 | 50.00 | ✓ | Offside | 77.43 |
| **TC41** | **1** | **1** | TC36/1 | TC41/1 | 3.93 | 50.00 | ✓ | Straight | Straight Movement |
| | **2** | **1** | TC36/1 | TC41/2 | 3.97 | 50.00 | ✓ | Straight | Straight Movement |
| **TC43** | **1** | **1** | TC9/1 | TC43/1 | 3.74 | 50.00 | ✓ | Nearside | 6.11 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **47** | **1** | **1** | xC/1 | 47/1 | 16.04 | 30.00 | ✓ | Straight | Straight Movement |
| **Acf** | **1** | **2** | Fc/3 | Acf/1 | 5.22 | 48.00 | ✓ | Straight | Straight Movement |
| | **2** | **2** | Fc/3 | Acf/2 | 7.24 | 35.00 | ✓ | Straight | Straight Movement |
| **Af** | **1** | **2** | TC9/1 | Af/1 | 6.42 | 30.00 | ✓ | Straight | Straight Movement |
| | **2** | **2** | TC9/2 | Af/2 | 6.36 | 30.00 | ✓ | Straight | Straight Movement |
| | **3** | **2** | TC9/3 | Af/3 | 6.33 | 30.00 | ✓ | Straight | Straight Movement |
| **Bcf** | **1** | **2** | Ac/1 | Bcf/1 | 3.96 | 57.00 | ✓ | Offside | 93.05 |
| | **2** | **2** | Ac/2 | Bcf/2 | 3.99 | 57.00 | ✓ | Offside | 89.74 |
| | **3** | **2** | Ac/3 | Bcf/3 | 3.94 | 57.00 | ✓ | Offside | 86.42 |
| | **4** | **2** | Ac/3 | Bcf/4 | 3.93 | 57.00 | ✓ | Offside | 86.42 |
| **Dcf** | **1** | **2** | C/1 | Dcf/1 | 4.95 | 48.00 | ✓ | Nearside | 55.54 |
| | **2** | **2** | C/1 | Dcf/2 | 4.94 | 48.00 | ✓ | Nearside | 55.54 |
| | **3** | **2** | Cc2/4 | Dcf/3 | 4.98 | 48.00 | ✓ | Straight | Straight Movement |
| | **4** | **2** | Cc2/3 | Dcf/4 | 4.99 | 48.00 | ✓ | Straight | Straight Movement |
| | **5** | **2** | C/3 | Dcf/5 | 5.02 | 48.00 | ✓ | Nearside | 62.17 |
| | **6** | **2** | Cc2/6 | Dcf/6 | 5.04 | 48.00 | ✓ | Offside | 96.74 |
| **Ecf** | **1** | **2** | D/1 | Ecf/1 | 3.45 | 48.00 | ✓ | Nearside | 43.36 |
| | **2** | **2** | D/1 | Ecf/2 | 3.48 | 48.00 | ✓ | Nearside | 43.36 |
| | **3** | **2** | D/2 | Ecf/3 | 3.52 | 48.00 | ✓ | Nearside | 46.68 |
| | **4** | **2** | D/3 | Ecf/4 | 3.56 | 48.00 | ✓ | Nearside | 49.99 |
| | **5** | **2** | D/4 | Ecf/5 | 3.64 | 48.00 | ✓ | Nearside | 53.30 |
| **Fc** | **1** | **2** | E1/1 | Fc/1 | 20.61 | 32.00 | ✓ | Nearside | 58.94 |
| | **2** | **2** | E1/1 | Fc/2 | 20.41 | 32.00 | ✓ | Nearside | 60.85 |
| | **3** | **2** | E1/2 | Fc/3 | 20.28 | 32.00 | ✓ | Nearside | 64.16 |
| **G** | **1** | **2** | Gf1/1 | G/1 | 16.06 | 35.00 | ✓ | Offside | 17.91 |
| | **2** | **2** | Gf1/1 | G/2 | 11.45 | 48.00 | ✓ | Offside | 15.13 |
| **xA** | **1** | **2** | Fc/1 | xA/1 | 17.22 | 48.00 | ✓ | Straight | Straight Movement |
| | **2** | **2** | Fc/1 | xA/2 | 17.25 | 48.00 | ✓ | Straight | Straight Movement |
| **xC** | **1** | **2** | Cc1/1 | xC/1 | 8.67 | 48.00 | ✓ | Nearside | 56.51 |
| | **2** | **2** | Cc1/1 | xC/2 | 8.70 | 48.00 | ✓ | Nearside | 57.28 |
| **xF** | **1** | **2** | E1/1 | xF/1 | 12.19 | 48.00 | ✓ | Nearside | 40.67 |
| **Cc1** | **1** | **2** | Bc/1 | Cc1/1 | 6.43 | 54.00 | ✓ | Straight | Straight Movement |
| **Cc2** | **2** | **2** | Bc/1 | Cc2/2 | 10.97 | 30.00 | ✓ | Straight | Straight Movement |
| | **3** | **2** | Bc/3 | Cc2/3 | 10.80 | 30.00 | ✓ | Straight | Straight Movement |
| | **4** | **2** | Bc/3 | Cc2/4 | 10.96 | 30.00 | ✓ | Straight | Straight Movement |
| | **5** | **2** | Bc/3 | Cc2/5 | 10.68 | 30.00 | ✓ | Straight | Straight Movement |
| | **6** | **2** | Bc/3 | Cc2/6 | 10.63 | 30.00 | ✓ | Offside | 99.75 |
| **TC39** | **2** | **2** | TC42/1 | TC39/2 | 2.54 | 50.00 | ✓ | Offside | 9.44 |
| | **3** | **2** | TC42/1 | TC39/3 | 2.40 | 50.00 | ✓ | Offside | 9.44 |
| **TC40** | **2** | **2** | TC39/2 | TC40/2 | 4.23 | 50.00 | ✓ | Offside | 80.74 |
| **TC43** | **1** | **2** | TC5/4 | TC43/1 | 3.74 | 50.00 | ✓ | Offside | 21.45 |
| **47** | **1** | **2** | xC/2 | 47/1 | 16.04 | 30.00 | ✓ | Straight | Straight Movement |
| **Acf** | **1** | **3** | Fc/2 | Acf/1 | 5.22 | 48.00 | ✓ | Straight | Straight Movement |
| **Af** | **1** | **3** | TC41/1 | Af/1 | 6.42 | 30.00 | ✓ | Offside | 6.19 |
| | **2** | **3** | TC41/2 | Af/2 | 6.36 | 30.00 | ✓ | Offside | 6.00 |
| | **3** | **3** | TC41/2 | Af/3 | 6.33 | 30.00 | ✓ | Offside | 6.00 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bcf | 2 | 3 | Ac/3 | Bcf/2 | 3.99 | 57.00 | ✓ | Offside | 86.42 |
| xA | 2 | 3 | F/2 | xA/2 | 17.25 | 48.00 | ✓ | Straight | Straight Movement |
| Cc2 | 2 | 3 | Bc/2 | Cc2/2 | 10.97 | 30.00 | ✓ | Straight | Straight Movement |

### Give Way Data

| Arm | Traffic Stream | Opposed traffic | Use Step-wise Opposed Turn Model | Visibility restricted |
|---|---|---|---|---|
| (ALL) | 1 | AllTraffic | | |

### Give Way Data - All Movements - Conflicts

| Traffic Stream | Description | Controlling type | Controlling traffic stream | Percentage opposing (%) | Slope coefficient | Upstream signals visible | Conflict shift | Conflict duration |
|---|---|---|---|---|---|---|---|---|
| 1 | | TrafficStream | Gf/1 | 100 | 0.22 | | 4 | 0 |
| | | TrafficStream | Gf/2 | 100 | 0.22 | | 4 | 4 |
| | | TrafficStream | TC39/2 | 100 | 0.22 | | 0 | 0 |
| | | TrafficStream | TC39/3 | 100 | 0.22 | | 0 | 0 |

## Pedestrian Crossings

### Pedestrian Crossings

| Crossing | Name | Description | Traffic node | Allow walk on red | Crossing type | Length (m) | Cruise time (seconds) | Cruise speed (kph) |
|---|---|---|---|---|---|---|---|---|
| 1 | (untitled) | | 3-2 | | Nearside | 3.00 | 2.00 | 5.40 |
| 2 | (untitled) | | 3 | | Nearside | 3.00 | 2.00 | 5.40 |
| 3 | (untitled) | | 4-2 | | Nearside | 3.00 | 2.00 | 5.40 |
| 4 | (untitled) | | 4 | | Nearside | 3.00 | 2.00 | 5.40 |
| 5 | (untitled) | | 4 | | Nearside | 3.00 | 2.00 | 5.40 |
| 6 | (untitled) | | 4 | | Nearside | 3.00 | 2.00 | 5.40 |
| 7 | (untitled) | | 5 | | Nearside | 3.00 | 2.00 | 5.40 |
| 8 | (untitled) | | 1 | | Nearside | 3.00 | 2.00 | 5.40 |
| 9 | (untitled) | | 2 | | Nearside | 3.00 | 2.00 | 5.40 |
| 10 | (untitled) | | 2 | | Nearside | 3.00 | 2.00 | 5.40 |
| 11 | (untitled) | | | | Nearside | 3.00 | 2.00 | 5.40 |
| 12 | (untitled) | | 2 | | Nearside | 3.00 | 2.00 | 5.40 |
| 13 | (untitled) | | | | Farside | 3.00 | 2.00 | 5.40 |
| 14 | (untitled) | | | | Farside | 3.00 | 2.00 | 5.40 |
| 15 | (untitled) | | | | Nearside | 3.00 | 2.00 | 5.40 |
| 16 | (untitled) | | | | Nearside | 3.00 | 2.00 | 5.40 |
| 17 | (untitled) | | | | Nearside | 3.00 | 2.00 | 5.40 |

### Pedestrian Crossings - Signals

| Crossing | Controller stream | Phase | Second phase enabled |
|---|---|---|---|
| 1 | 770-2 | E | |
| 2 | 770-1 | C | |
| 3 | 770-4 | M | |
| 4 | 770-3 | J | |
| 5 | 770-3 | I | |
| 6 | 770-3 | K | |
| 7 | 771-1 | C | |
| 8 | 769-1 | C | |
| 9 | 769-2 | J | |
| 10 | 769-2 | K | |
| 11 | 769-2 | H | |
| 12 | 769-2 | I | |
| 13 | TC777-1 | I | |
| 14 | TC777-1 | F | |
| 15 | TC777-1 | G | |
| 16 | TC777-1 | H | |
| 17 | TC777-2 | K | |

### Pedestrian Crossings - Sides

| Crossing | Side | Saturation flow (Ped/hr) |
|---|---|---|
| (ALL) | (ALL) | 11000 |

### Pedestrian Crossings - Modelling

| Crossing | Side | Delay weighting (%) | Assignment Cost Weighting (%) | Exclude from results calculation | Max queue storage (Ped) | Has queue limit | Has degree of saturation limit |
|---|---|---|---|---|---|---|---|
| (ALL) | (ALL) | 100 | 100 | | 0.00 | | |

## Local OD Matrix - Local Matrix: 1

### Local Matrix Options

| OD Matrix | Name | Use for point to point table | Auto calculate | Allocation mode | Allow paths past exit locations | Allow looped paths on arms | Allow looped paths on traffic nodes | Copy flows | Matrix to copy flows from | Limit paths by length | Path length limit multiplier | Limit paths by number | Path number limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | (untitled) | ✓ | ✓ | Lane Balancing | | | ✓ | | | ✓ | 1.25 | | |

### Normal Input Flows (PCU/hr)

| | | To | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | A28 | B28 | C28 | D28 | E28 | F28 | G28 | H28 |
| From | A28 | 0 | 51 | 396 | 2 | 479 | 170 | 869 | 0 |
| | B28 | 38 | 0 | 97 | 287 | 625 | 51 | 507 | 0 |
| | C28 | 601 | 38 | 0 | 363 | 176 | 61 | 1089 | 0 |
| | D28 | 3 | 226 | 273 | 0 | 50 | 152 | 238 | 0 |
| | E28 | 513 | 509 | 82 | 55 | 0 | 52 | 205 | 0 |
| | F28 | 73 | 17 | 20 | 69 | 10 | 0 | 41 | 0 |
| | G28 | 357 | 143 | 358 | 128 | 223 | 102 | 0 | 0 |
| | H28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Bus Input Flows not shown as they are blank.

Tram Input Flows not shown as they are blank.

Pedestrian Input Flows not shown as they are blank.

## Locations

| OD Matrix | Location | Name | Entries | Exits | Colour |
|---|---|---|---|---|---|
| 1 | A28 | (untitled) | 50/1 | xB/1 | #FF0000 |
| | B28 | (untitled) | 48/1 | 47/1 | #00FF40 |
| | C28 | (untitled) | Df/2, Df/1 | xD/1, xD/2 | #804000 |
| | D28 | (untitled) | 51/1 | xF/1 | #FF00FF |
| | E28 | (untitled) | Ef/2, Ef/1 | xE/1, xE/2 | #FF8000 |
| | F28 | (untitled) | TC36/1 | TC35/1 | #FFA500 |
| | G28 | (untitled) | 49/2, 49/1 | TC40/2, TC40/3 | #0000FF |
| | H28 | (untitled) | TC42/1 | TC43/1 | #008000 |

## Normal Paths and Flows

| OD Matrix | Path | Description | From location | To location | Path items | Allocation type | N Cal (P |
|---|---|---|---|---|---|---|---|
| | 32 | I1 | C28 | E28 | Df/1, D/1, Ecf/1, Exp/1, xE/1 | Normal | |
| | 36 | | C28 | E28 | Df/1, D/1, Ecf/2, Exp/2, xE/2 | Normal | |
| | 41 | | E28 | A28 | Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1 | Normal | |
| | 49 | I1 | C28 | D28 | Df/1, D/1, Ecf/2, Ec/1, xF/1 | Normal | |
| | 50 | | E28 | D28 | Ef/1, E1/1, xF/1 | Normal | |
| | 67 | | G28 | B28 | 49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1 | Normal | |
| | 68 | | E28 | G28 | Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2 | Normal | |
| | 69 | | D28 | B28 | 51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1 | Normal | |
| | 70 | | D28 | B28 | 51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1 | Normal | |
| | 71 | | D28 | B28 | 51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1 | Normal | |
| | 72 | | D28 | B28 | 51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1 | Normal | |
| | 73 | | H28 | B28 | TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1 | Normal | |
| | 74 | | H28 | B28 | TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1 | Normal | |
| | 75 | | F28 | B28 | TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1 | Normal | |
| | 76 | | F28 | B28 | TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1 | Normal | |
| | 89 | | G28 | G28 | 49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3 | Normal | |
| | 90 | | H28 | H28 | TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1 | Normal | |
| | 91 | I2 | C28 | F28 | Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1 | Normal | |
| | 92 | | E28 | F28 | Ef/1, E1/1, Fc/1, xA/1, TC35/1 | Normal | |
| | 94 | | G28 | G28 | 49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2 | Normal | |
| | 95 | | G28 | F28 | 49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1 | Normal | |
| | 96 | | G28 | G28 | 49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3 | Normal | |
| | 100 | | E28 | B28 | Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1 | Normal | |
| | 102 | | A28 | C28 | 50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1 | Normal | |
| | 103 | | H28 | H28 | TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1 | Normal | |
| | 104 | I2 | C28 | G28 | Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2 | Fixed | |
| | 106 | | F28 | F28 | TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1 | Normal | |
| | 107 | | A28 | B28 | 50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1 | Normal | |
| | 109 | I3 | C28 | G28 | Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3 | Normal | |
| | 110 | | E28 | G28 | Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3 | Fixed | |
| | 112 | | F28 | G28 | TC36/1, TC37/1, TC38/1, TC40/2 | Normal | |
| | 113 | | F28 | A28 | TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1 | Normal | |
| | 114 | | C28 | H28 | Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1 | Normal | |
| | 115 | | B28 | C28 | 48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2 | Fixed | |
| | 116 | | B28 | G28 | 48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3 | Fixed | |
| | 117 | | F28 | C28 | TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1 | Normal | |
| | 118 | | G28 | C28 | 49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2 | Normal | |
| | 119 | | G28 | E28 | 49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1 | Normal | |
| | 120 | | C28 | C28 | Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2 | Normal | |
| | 121 | | E28 | C28 | Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2 | Normal | |
| | 122 | | E28 | E28 | Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1 | Normal | |
| | 123 | | D28 | C28 | 51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2 | Normal | |
| | 124 | | D28 | E28 | 51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1 | Normal | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | **125** | | H28 | A28 | TC42/1, Af/1, A/1, Bcf/1, xB/1 | Normal | |
| | **126** | | H28 | E28 | TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1 | Normal | |
| | **127** | | F28 | C28 | TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2 | Normal | |
| | **128** | | F28 | E28 | TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1 | Normal | |
| | **137** | | H28 | G28 | TC42/1, TC39/2, TC40/2 | Normal | |
| | **138** | | H28 | G28 | TC42/1, TC39/3, TC40/3 | Normal | |
| | **142** | | C28 | H28 | Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1 | Normal | |
| | **143** | | E28 | H28 | Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1 | Normal | |
| | **146** | | B28 | E28 | 48/1, Cf/1, C/1, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1 | Normal | |
| | **147** | | A28 | G28 | 50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3 | Normal | |
| | **148** | | A28 | H28 | 50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1 | Normal | |
| | **149** | | A28 | A28 | 50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1 | Normal | |
| | **150** | | E28 | B28 | Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1 | Normal | |
| | **154** | | E28 | A28 | Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1 | Fixed | |
| | **166** | | B28 | C28 | 48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1 | Normal | |
| | **168** | | G28 | A28 | 49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1 | Normal | |
| | **171** | | G28 | H28 | 49/1, TC9/1, TC43/1 | Normal | |
| | **185** | | A28 | B28 | 50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1 | Normal | |
| **1** | **186** | | A28 | C28 | 50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2 | Fixed | |
| | **195** | | D28 | G28 | 51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2 | Normal | |
| | **196** | | D28 | F28 | 51/1, Ff/1, F/1, xA/1, TC35/1 | Normal | |
| | **198** | | D28 | A28 | 51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, xB/1 | Normal | |
| | **234** | I2 | C28 | G28 | Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3 | Fixed | |
| | **235** | | E28 | G28 | Ef/1, E1/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3 | Disabled | |
| | **236** | | E28 | H28 | Ef/1, E1/1, Fc/1, xA/2, TC5/4, TC43/1 | Normal | |
| | **255** | I3 | C28 | A28 | Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1 | Fixed | |
| | **291** | | C28 | A28 | Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1 | Normal | |
| | **294** | | C28 | B28 | Df/2, D/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1 | Normal | |
| | **295** | | C28 | B28 | Df/2, D/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1 | Normal | |
| | **296** | | D28 | G28 | 51/1, Ff/1, F/2, xA/2, TC5/3, TC39/3, TC40/3 | Normal | |
| | **297** | | D28 | H28 | 51/1, Ff/1, F/2, xA/2, TC5/4, TC43/1 | Normal | |
| | **303** | | B28 | G28 | 48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3 | Fixed | |
| | **304** | | B28 | H28 | 48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1 | Normal | |
| | **305** | | B28 | A28 | 48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1 | Fixed | |
| | **306** | | B28 | A28 | 48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1 | Normal | |
| | **307** | | B28 | B28 | 48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1 | Normal | |
| | **308** | | B28 | B28 | 48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1 | Normal | |
| | **341** | | A28 | A28 | 50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1 | Normal | |
| | **353** | | A28 | G28 | 50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2 | Fixed | |
| | **354** | | A28 | F28 | 50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1 | Normal | |
| | **355** | | A28 | G28 | 50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3 | Disabled | |
| | **356** | | A28 | H28 | 50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1 | Normal | |
| | **426** | | B28 | G28 | 48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2 | Normal | |
| | **427** | | B28 | F28 | 48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1 | Normal | |
| | **428** | | B28 | H28 | 48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1 | Normal | |
| | **444** | | B28 | D28 | 48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1 | Normal | |
| | **445** | | B28 | E28 | 48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2 | Fixed | |
| | **454** | | G28 | B28 | 49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1 | Normal | |
| | **455** | | F28 | H28 | TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1 | Normal | |
| | **458** | | H28 | F28 | TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1 | Normal | |
| | **461** | | F28 | H28 | TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1 | Normal | |
| | **477** | | G28 | C28 | 49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1 | Normal | |
| | **478** | | C28 | C28 | Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1 | Normal | |
| | **479** | | C28 | C28 | Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1 | Normal | |
| | **480** | | C28 | C28 | Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1 | Normal | |
| | **481** | | E28 | C28 | Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1 | Fixed | |
| | **482** | | E28 | C28 | Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1 | Fixed | |
| | **483** | | E28 | C28 | Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1 | Fixed | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | **484** | | D28 | C28 | 51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1 | Fixed | |
| | **485** | | D28 | C28 | 51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1 | Fixed | |
| | **486** | | H28 | C28 | TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1 | Normal | |
| | **488** | | G28 | D28 | 49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1 | Normal | |
| | **489** | | G28 | E28 | 49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2 | Normal | |
| | **490** | | A28 | D28 | 50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1 | Normal | |
| | **491** | | A28 | E28 | 50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2 | Fixed | |
| | **492** | | E28 | E28 | Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2 | Normal | |
| | **493** | | D28 | D28 | 51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1 | Normal | |
| | **494** | | D28 | E28 | 51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2 | Normal | |
| | **495** | | H28 | D28 | TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1 | Normal | |
| | **496** | | H28 | E28 | TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2 | Normal | |
| | **497** | | F28 | D28 | TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1 | Normal | |
| | **498** | | F28 | E28 | TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2 | Normal | |
| | **501** | | A28 | E28 | 50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1 | Normal | |
| | **506** | | H28 | C28 | TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2 | Normal | |
| | **507** | | G28 | C28 | 49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1 | Normal | |
| | **508** | | C28 | C28 | Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1 | Normal | |
| | **509** | | E28 | C28 | Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1 | Normal | |
| | **510** | | D28 | C28 | 51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1 | Normal | |
| | **511** | | H28 | C28 | TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1 | Normal | |
| | **512** | | F28 | C28 | TC36/1, TC41/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1 | Normal | |

# Signal Timings

**Network Default: 120s cycle time; 120 steps**

## Controller Stream 769-1

| Controller Stream | Name | Description | Use sequence | Cycle time source | Cycle time (s) |
|---|---|---|---|---|---|
| **769-1** | (untitled) | | 1 | NetworkDefault | 120 |

## Controller Stream 769-1 - Properties

| Controller Stream | Manufacturer name | Type | Model number | (Telephone) Line Number | Site number | Grid reference | Gaining delay type |
|---|---|---|---|---|---|---|---|
| **769-1** | Unspecified | | | | | | Absolute |

## Controller Stream 769-1 - Optimisation

| Controller Stream | Allow offset optimisation | Allow green split optimisation | Optimisation level | Auto redistribute | Enable stage constraint |
|---|---|---|---|---|---|
| **769-1** | | | None | | |

## Phases

| Controller Stream | Phase | Name | Minimum green (s) | Maximum green (s) | Relative start displacement (s) | Relative end displacement (s) | Type | Blackout Time (s) |
|---|---|---|---|---|---|---|---|---|
| **769-1** | **A** | (untitled) | 7 | 300 | 0 | 0 | Traffic | |
| | **B** | (untitled) | 7 | 300 | 0 | 0 | Traffic | |
| | **C** | (untitled) | 7 | 300 | 0 | 0 | Pedestrian | 3 |

## Library Stages

| Controller Stream | Library Stage | Phases in stage | User stage minimum (s) |
|---|---|---|---|
| **769-1** | **1** | A | 1 |
| | **2** | B | 1 |

## Stage Sequences

| Controller Stream | Sequence | Name | Multiple cycling | Equal length multiple cycling | Stage IDs | Stage ends | Multiple cycling stage IDs | Multiple cycling stage ends |
|---|---|---|---|---|---|---|---|---|
| **769-1** | **1** | (untitled) | Double | ✓ | 1, 2 | 5, 33 | 1, 2 | 65, 93 |

## Intergreen Matrix for Controller Stream 769-1

| | | To | | |
|---|---|---|---|---|
| | | A | B | C |
| From | A | | 7 | |
| | B | 5 | | 5 |
| | C | | 9 | |

## Banned Stage transitions for Controller Stream 769-1

| | | To | |
|---|---|---|---|
| | | 1 | 2 |
| From | 1 | | |
| | 2 | | |

## Interstage Matrix for Controller Stream 769-1

| | | To | |
|---|---|---|---|
| | | 1 | 2 |
| From | 1 | 0 | 7 |
| | 2 | 5 | 0 |

## Resultant Stages

| Controller Stream | Resultant Stage | Is base stage | Library Stage ID | Phases in this stage | Stage start (s) | Stage end (s) | Stage duration (s) | User stage minimum (s) | Stage minimum (s) |
|---|---|---|---|---|---|---|---|---|---|
| 769-1 | 1 | ✓ | 1 | A | 98 | 5 | 27 | 1 | 7 |
| | 2 | ✓ | 2 | B | 12 | 33 | 21 | 1 | 7 |
| | 3 | | 1 | A | 38 | 65 | 27 | 1 | 7 |
| | 4 | | 2 | B | 72 | 93 | 21 | 1 | 7 |

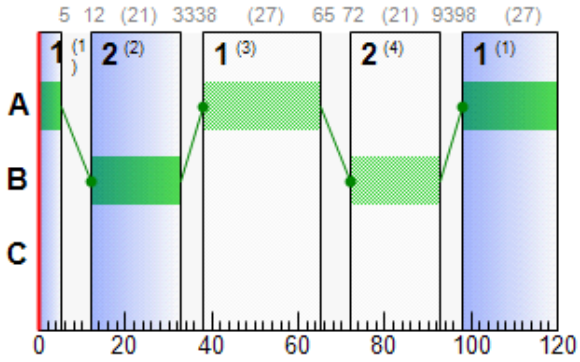
## Resultant Phase Green Periods

| Controller Stream | Phase | Green period | Is base green period | Start time (s) | End time (s) | Duration (s) |
|---|---|---|---|---|---|---|
| 769-1 | A | 1 | | 38 | 65 | 27 |
| | | 2 | ✓ | 98 | 5 | 27 |
| | B | 1 | ✓ | 12 | 33 | 21 |
| | | 2 | | 72 | 93 | 21 |

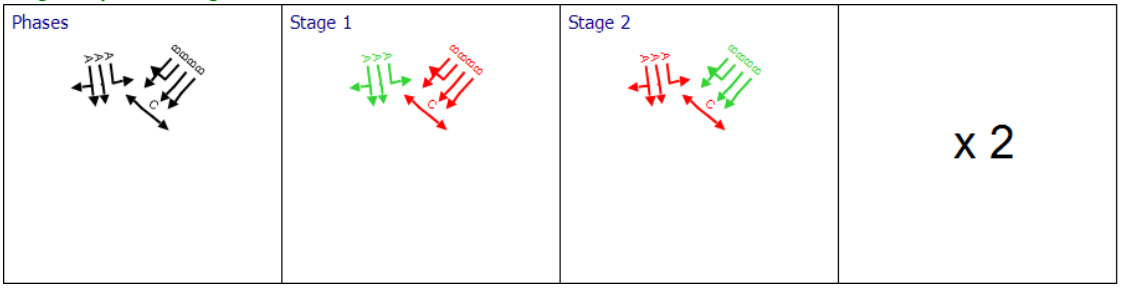
## Traffic Stream Green Times

| Arm | Traffic Stream | Traffic Node | Controller Stream | Phase | Green Period 1 | | | Green Period 2 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Start | End | Duration | Start | End | Duration |
| B | 1 | 1 | 769-1 | B | 12 | 33 | 21 | 72 | 93 | 21 |
| B | 2 | 1 | 769-1 | B | 12 | 33 | 21 | 72 | 93 | 21 |
| B | 3 | 1 | 769-1 | B | 12 | 33 | 21 | 72 | 93 | 21 |
| B | 4 | 1 | 769-1 | B | 12 | 33 | 21 | 72 | 93 | 21 |
| Bc | 1 | 1 | 769-1 | A | 38 | 65 | 27 | 98 | 5 | 27 |
| Bc | 2 | 1 | 769-1 | A | 38 | 65 | 27 | 98 | 5 | 27 |
| Bc | 3 | 1 | 769-1 | A | 38 | 65 | 27 | 98 | 5 | 27 |

### Phase Timings Diagram for Controller Stream 769-1




### Stage Sequence Diagram for Controller Stream 769-1




## Controller Stream 769-2

| Controller Stream | Name | Description | Use sequence | Cycle time source | Cycle time (s) |
|---|---|---|---|---|---|
| 769-2 | (untitled) | | 1 | NetworkDefault | 120 |

## Controller Stream 769-2 - Properties

| Controller Stream | Manufacturer name | Type | Model number | (Telephone) Line Number | Site number | Grid reference | Gaining delay type |
|---|---|---|---|---|---|---|---|
| 769-2 | Unspecified | | | | | | Absolute |

## Controller Stream 769-2 - Optimisation

| Controller Stream | Allow offset optimisation | Allow green split optimisation | Optimisation level | Auto redistribute | Enable stage constraint |
|---|---|---|---|---|---|
| 769-2 | | | None | | |

## Phases

| Controller Stream | Phase | Name | Minimum green (s) | Maximum green (s) | Relative start displacement (s) | Relative end displacement (s) | Type | Blackout Time (s) |
|---|---|---|---|---|---|---|---|---|
| 769-2 | D | (untitled) | 7 | 300 | 0 | 0 | Traffic | |
| | E | (untitled) | 7 | 300 | 0 | 0 | Traffic | |
| | F | (untitled) | 4 | 300 | 0 | 0 | Traffic | |
| | G | (untitled) | 4 | 300 | 0 | 0 | Traffic | |
| | H | (untitled) | 5 | 300 | 0 | 0 | Pedestrian | 3 |
| | I | (untitled) | 7 | 300 | 0 | 0 | Pedestrian | 3 |
| | J | (untitled) | 12 | 300 | 0 | 0 | Pedestrian | 3 |
| | K | (untitled) | 5 | 300 | 0 | 0 | Pedestrian | 3 |

## Library Stages

| Controller Stream | Library Stage | Phases in stage | User stage minimum (s) |
|---|---|---|---|
| 769-2 | 4 | D, E, H, I | 1 |
| | 5 | F, G, J, K | 1 |
| | 6 | F, G, K | 1 |

## Losing / Gaining Phase Delays

| Controller Stream | Delay | Type | Phase | From stage | To stage | Relative delay | Absolute delay |
|---|---|---|---|---|---|---|---|
| 769-2 | 1 | Losing | I | 4 | 5 | 2 | |
| | 2 | Losing | H | 4 | 5 | 4 | |
| | 3 | Losing | D | 4 | 5 | 4 | |
| | 4 | Losing | E | 4 | 5 | 5 | |
| | 5 | Losing | F | 5 | 4 | 5 | |
| | 6 | Losing | G | 5 | 4 | 7 | |
| | 7 | Losing | K | 5 | 4 | 7 | |
| | 8 | Losing | G | 6 | 4 | 7 | |
| | 9 | Losing | I | 4 | 6 | 4 | |
| | 10 | Losing | H | 4 | 6 | 6 | |
| | 11 | Losing | D | 4 | 6 | 6 | |
| | 12 | Losing | E | 4 | 6 | 7 | |
| | 13 | Losing | F | 6 | 4 | 5 | |
| | 14 | Losing | K | 6 | 4 | 7 | |
| | 15 | Gaining | D | 6 | 4 | 0 | 11 |

## Stage Sequences

| Controller Stream | Sequence | Name | Multiple cycling | Equal length multiple cycling | Stage IDs | Stage ends | Multiple cycling stage IDs | Multiple cycling stage ends |
|---|---|---|---|---|---|---|---|---|
| 769-2 | 1 | (untitled) | Double | ✓ | 4, 5 | 4, 25 | 4, 5 | 64, 85 |
| | 2 | (untitled) | Double | ✓ | 4, 6, 5 | 0, 16, 32 | 4, 6, 5 | 33, 34, 35 |
| | 3 | (untitled) | Double | ✓ | 4, 5, 6 | 0, 26, 34 | 4, 5, 6 | 60, 88, 95 |
| | 4 | (untitled) | Double | ✓ | 4, 6 | 2, 23 | 4, 6 | 62, 83 |

## Intergreen Matrix for Controller Stream 769-2

| | | To | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | D | E | F | G | H | I | J | K |
| From | D | | | 5 | 7 | | | 0 | |
| | E | | | 5 | | | | | 5 |
| | F | 6 | 8 | | | 8 | | | |
| | G | 4 | | | | | 5 | | |
| | H | | | 5 | | | | | |
| | I | | | | 9 | | | | |
| | J | 14 | | | | | | | |
| | K | | 7 | | | | | | |

## Banned Stage transitions for Controller Stream 769-2

| | | To | | |
|---|---|---|---|---|
| | | 4 | 5 | 6 |
| From | 4 | | | |
| | 5 | | | |
| | 6 | | | |

## Interstage Matrix for Controller Stream 769-2

| | | To | | |
|---|---|---|---|---|
| | | 4 | 5 | 6 |
| From | 4 | 0 | 11 | 13 |
| | 5 | 14 | 0 | 0 |
| | 6 | 14 | 0 | 0 |

## Resultant Stages

| Controller Stream | Resultant Stage | Is base stage | Library Stage ID | Phases in this stage | Stage start (s) | Stage end (s) | Stage duration (s) | User stage minimum (s) | Stage minimum (s) |
|---|---|---|---|---|---|---|---|---|---|
| 769-2 | 1 | ✓ | 4 | D,E,H,I | 99 | 4 | 25 | 1 | 3 |
| | 2 | ✓ | 5 | F,G,J,K | 15 | 25 | 10 | 1 | 5 |
| | 3 | | 4 | D,E,H,I | 39 | 64 | 25 | 1 | 3 |
| | 4 | | 5 | F,G,J,K | 75 | 85 | 10 | 1 | 5 |

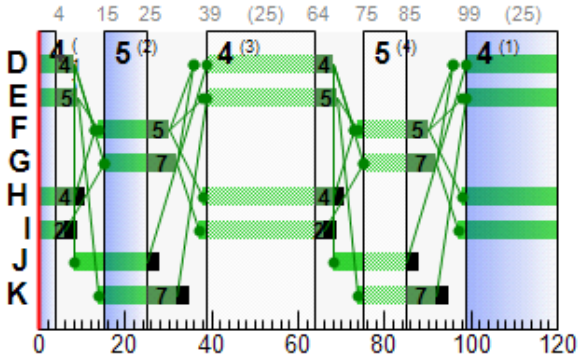
## Resultant Phase Green Periods

| Controller Stream | Phase | Green period | Is base green period | Start time (s) | End time (s) | Duration (s) |
|---|---|---|---|---|---|---|
| 769-2 | D | 1 | | 39 | 68 | 29 |
| | | 2 | ✓ | 99 | 8 | 29 |
| | E | 1 | | 39 | 69 | 30 |
| | | 2 | ✓ | 99 | 9 | 30 |
| | F | 1 | ✓ | 14 | 30 | 16 |
| | | 2 | | 74 | 90 | 16 |
| | G | 1 | ✓ | 15 | 32 | 17 |
| | | 2 | | 75 | 92 | 17 |
| | H | 1 | | 38 | 68 | 30 |
| | | 2 | ✓ | 98 | 8 | 30 |
| | I | 1 | | 37 | 66 | 29 |
| | | 2 | ✓ | 97 | 6 | 29 |
| | J | 1 | ✓ | 8 | 25 | 17 |
| | | 2 | | 68 | 85 | 17 |
| | K | 1 | ✓ | 14 | 32 | 18 |
| | | 2 | | 74 | 92 | 18 |

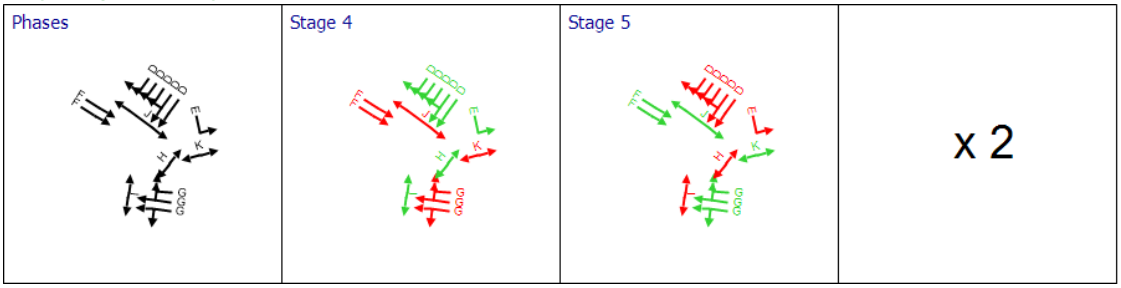
## Traffic Stream Green Times

| Arm | Traffic Stream | Traffic Node | Controller Stream | Phase | Green Period 1 | | | Green Period 2 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Start | End | Duration | Start | End | Duration |
| C | 1 | 2 | 769-2 | G | 15 | 32 | 17 | 75 | 92 | 17 |
| C | 2 | 2 | 769-2 | G | 15 | 32 | 17 | 75 | 92 | 17 |
| C | 3 | 2 | 769-2 | G | 15 | 32 | 17 | 75 | 92 | 17 |
| G | 1 | 2 | 769-2 | F | 14 | 30 | 16 | 74 | 90 | 16 |
| G | 2 | 2 | 769-2 | F | 14 | 30 | 16 | 74 | 90 | 16 |
| Cc1 | 1 | 2 | 769-2 | E | 39 | 69 | 30 | 99 | 9 | 30 |
| Cc2 | 2 | 2 | 769-2 | D | 39 | 68 | 29 | 99 | 8 | 29 |
| Cc2 | 3 | 2 | 769-2 | D | 39 | 68 | 29 | 99 | 8 | 29 |
| Cc2 | 4 | 2 | 769-2 | D | 39 | 68 | 29 | 99 | 8 | 29 |
| Cc2 | 5 | 2 | 769-2 | D | 39 | 68 | 29 | 99 | 8 | 29 |
| Cc2 | 6 | 2 | 769-2 | D | 39 | 68 | 29 | 99 | 8 | 29 |

### Phase Timings Diagram for Controller Stream 769-2




### Stage Sequence Diagram for Controller Stream 769-2




## Controller Stream 770-1

| Controller Stream | Name | Description | Use sequence | Cycle time source | Cycle time (s) |
|---|---|---|---|---|---|
| 770-1 | (untitled) | | 1 | NetworkDefault | 120 |

## Controller Stream 770-1 - Properties

| Controller Stream | Manufacturer name | Type | Model number | (Telephone) Line Number | Site number | Grid reference | Gaining delay type |
|---|---|---|---|---|---|---|---|
| 770-1 | Unspecified | | | | | | Absolute |

## Controller Stream 770-1 - Optimisation

| Controller Stream | Allow offset optimisation | Allow green split optimisation | Optimisation level | Auto redistribute | Enable stage constraint |
|---|---|---|---|---|---|
| 770-1 | ✓ | ✓ | Offsets And Green Splits | | |

## Phases

| Controller Stream | Phase | Name | Minimum green (s) | Maximum green (s) | Relative start displacement (s) | Relative end displacement (s) | Type | Blackout Time (s) |
|---|---|---|---|---|---|---|---|---|
| 770-1 | A | (untitled) | 7 | 300 | 0 | 0 | Traffic | |
| | B | (untitled) | 7 | 300 | 0 | 0 | Traffic | |
| | C | (untitled) | 7 | 300 | 0 | 0 | Pedestrian | 3 |

## Library Stages

| Controller Stream | Library Stage | Phases in stage | User stage minimum (s) |
|---|---|---|---|
| 770-1 | 1 | A, C | 1 |
| | 2 | B | 1 |

## Losing / Gaining Phase Delays

| Controller Stream | Delay | Type | Phase | From stage | To stage | Relative delay |
|---|---|---|---|---|---|---|
| 770-1 | 1 | Losing | A | 1 | 2 | 4 |

## Stage Sequences

| Controller Stream | Sequence | Name | Multiple cycling | Equal length multiple cycling | Stage IDs | Stage ends | Multiple cycling stage IDs | Multiple cycling stage ends |
|---|---|---|---|---|---|---|---|---|
| 770-1 | 1 | (untitled) | Double | ✓ | 1, 2 | 9, 35 | 1, 2 | 69, 95 |

## Intergreen Matrix for Controller Stream 770-1

| | | To | | |
|---|---|---|---|---|
| | | A | B | C |
| From | A | | 5 | |
| | B | 5 | | 5 |
| | C | | 9 | |

## Banned Stage transitions for Controller Stream 770-1

| | | To | |
|---|---|---|---|
| | | 1 | 2 |
| From | 1 | | |
| | 2 | | |

## Interstage Matrix for Controller Stream 770-1

| | | To | |
|---|---|---|---|
| | | 1 | 2 |
| From | 1 | 0 | 9 |
| | 2 | 5 | 0 |

## Resultant Stages

| Controller Stream | Resultant Stage | Is base stage | Library Stage ID | Phases in this stage | Stage start (s) | Stage end (s) | Stage duration (s) | User stage minimum (s) | Stage minimum (s) |
|---|---|---|---|---|---|---|---|---|---|
| 770-1 | 1 | ✓ | 1 | A,C | 100 | 9 | 29 | 1 | 7 |
| | 2 | ✓ | 2 | B | 18 | 35 | 17 | 1 | 7 |
| | 3 | | 1 | A,C | 40 | 69 | 29 | 1 | 7 |
| | 4 | | 2 | B | 78 | 95 | 17 | 1 | 7 |

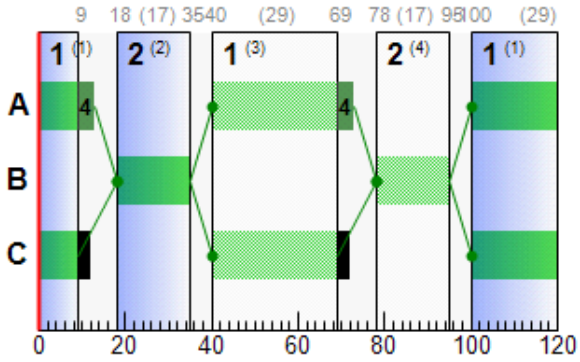
## Resultant Phase Green Periods

| Controller Stream | Phase | Green period | Is base green period | Start time (s) | End time (s) | Duration (s) |
|---|---|---|---|---|---|---|
| 770-1 | A | 1 | | 40 | 73 | 33 |
| | | 2 | ✓ | 100 | 13 | 33 |
| | B | 1 | ✓ | 18 | 35 | 17 |
| | | 2 | | 78 | 95 | 17 |
| | C | 1 | | 40 | 69 | 29 |
| | | 2 | ✓ | 100 | 9 | 29 |

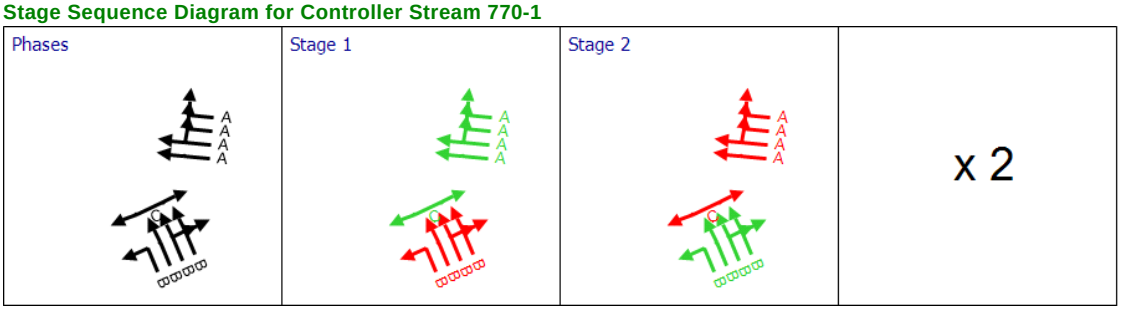
## Traffic Stream Green Times

| Arm | Traffic Stream | Traffic Node | Controller Stream | Phase | Green Period 1 | | | Green Period 2 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Start | End | Duration | Start | End | Duration |
| D | 1 | 3 | 770-1 | B | 18 | 35 | 17 | 78 | 95 | 17 |
| D | 2 | 3 | 770-1 | B | 18 | 35 | 17 | 78 | 95 | 17 |
| D | 3 | 3 | 770-1 | B | 18 | 35 | 17 | 78 | 95 | 17 |
| D | 4 | 3 | 770-1 | B | 18 | 35 | 17 | 78 | 95 | 17 |
| Dc | 1 | 3 | 770-1 | A | 40 | 73 | 33 | 100 | 13 | 33 |
| Dc | 2 | 3 | 770-1 | A | 40 | 73 | 33 | 100 | 13 | 33 |
| Dc | 3 | 3 | 770-1 | A | 40 | 73 | 33 | 100 | 13 | 33 |
| Dc | 4 | 3 | 770-1 | A | 40 | 73 | 33 | 100 | 13 | 33 |

### Phase Timings Diagram for Controller Stream 770-1




### Stage Sequence Diagram for Controller Stream 770-1




## Controller Stream 770-2

| Controller Stream | Name | Description | Use sequence | Cycle time source | Cycle time (s) |
|---|---|---|---|---|---|
| 770-2 | (untitled) | | 1 | Manual | 120 |

## Controller Stream 770-2 - Properties

| Controller Stream | Manufacturer name | Type | Model number | (Telephone) Line Number | Site number | Grid reference | Gaining delay type |
|---|---|---|---|---|---|---|---|
| 770-2 | Unspecified | | | | | | Absolute |

## Controller Stream 770-2 - Optimisation

| Controller Stream | Allow offset optimisation | Allow green split optimisation | Optimisation level | Auto redistribute | Enable stage constraint |
|---|---|---|---|---|---|
| 770-2 | | | None | | |

## Phases

| Controller Stream | Phase | Name | Minimum green (s) | Maximum green (s) | Relative start displacement (s) | Relative end displacement (s) | Type | Blackout Time (s) |
|---|---|---|---|---|---|---|---|---|
| 770-2 | D | (untitled) | 7 | 300 | 0 | 0 | Traffic | |
| | E | (untitled) | 5 | 300 | 0 | 0 | Pedestrian | 3 |

## Library Stages

| Controller Stream | Library Stage | Phases in stage | User stage minimum (s) |
|---|---|---|---|
| 770-2 | 4 | D | 1 |
| | 5 | E | 1 |

## Stage Sequences

| Controller Stream | Sequence | Name | Multiple cycling | Stage IDs | Stage ends |
|---|---|---|---|---|---|
| 770-2 | 1 | (untitled) | Single | 4, 5 | 17, 29 |

## Intergreen Matrix for Controller Stream 770-2

| | | To | |
|---|---|---|---|
| | | D | E |
| From | D | | 5 |
| | E | 7 | |

## Banned Stage transitions for Controller Stream 770-2

| | | To | |
|---|---|---|---|
| | | 4 | 5 |
| From | 4 | | |
| | 5 | | |

## Interstage Matrix for Controller Stream 770-2

| | | To | |
|---|---|---|---|
| | | 4 | 5 |
| From | 4 | 0 | 5 |
| | 5 | 7 | 0 |

## Resultant Stages

| Controller Stream | Resultant Stage | Is base stage | Library Stage ID | Phases in this stage | Stage start (s) | Stage end (s) | Stage duration (s) | User stage minimum (s) | Stage minimum (s) |
|---|---|---|---|---|---|---|---|---|---|
| 770-2 | 1 | ✓ | 4 | D | 36 | 17 | 101 | 1 | 7 |
| | 2 | ✓ | 5 | E | 22 | 29 | 7 | 1 | 5 |

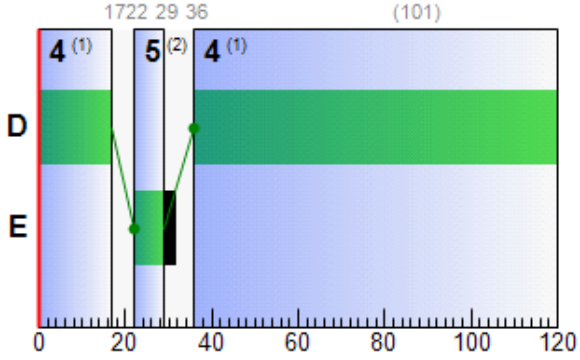
## Resultant Phase Green Periods

| Controller Stream | Phase | Green period | Is base green period | Start time (s) | End time (s) | Duration (s) |
|---|---|---|---|---|---|---|
| 770-2 | D | 1 | ✓ | 36 | 17 | 101 |
| | E | 1 | ✓ | 22 | 29 | 7 |

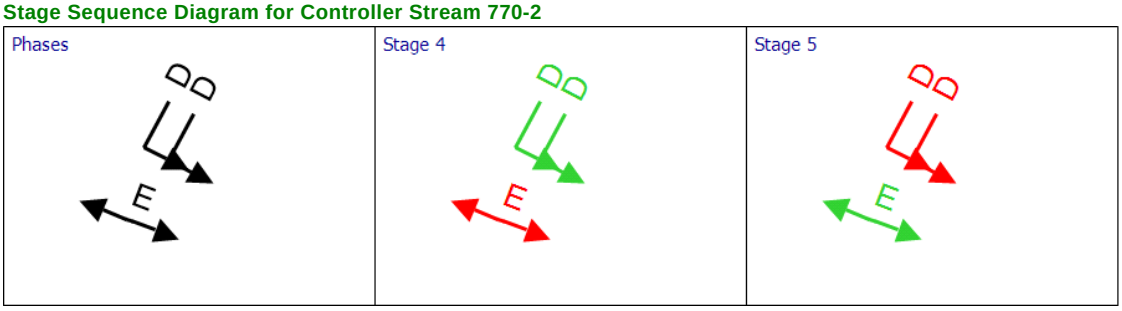
## Traffic Stream Green Times

| Arm | Traffic Stream | Traffic Node | Controller Stream | Phase | Green Period 1 | | | Green Period 2 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Start | End | Duration | Start | End | Duration |
| Dxp | 1 | 3-2 | 770-2 | D | 36 | 17 | 101 | | | |
| Dxp | 2 | 3-2 | 770-2 | D | 36 | 17 | 101 | | | |

### Phase Timings Diagram for Controller Stream 770-2



### Stage Sequence Diagram for Controller Stream 770-2




## Controller Stream 770-3

| Controller Stream | Name | Description | Use sequence | Cycle time source | Cycle time (s) |
|---|---|---|---|---|---|
| 770-3 | (untitled) | | 1 | NetworkDefault | 120 |

## Controller Stream 770-3 - Properties

| Controller Stream | Manufacturer name | Type | Model number | (Telephone) Line Number | Site number | Grid reference | Gaining delay type |
|---|---|---|---|---|---|---|---|
| 770-3 | Unspecified | | | | | | Absolute |

## Controller Stream 770-3 - Optimisation

| Controller Stream | Allow offset optimisation | Allow green split optimisation | Optimisation level | Auto redistribute | Enable stage constraint |
|---|---|---|---|---|---|
| 770-3 | ✓ | ✓ | Offsets And Green Splits | | |

## Phases

| Controller Stream | Phase | Name | Minimum green (s) | Maximum green (s) | Relative start displacement (s) | Relative end displacement (s) | Type | Blackout Time (s) |
|---|---|---|---|---|---|---|---|---|
| 770-3 | F | (untitled) | 7 | 300 | 0 | 0 | Traffic | |
| | G | (untitled) | 4 | 300 | 0 | 0 | Traffic | |
| | H | (untitled) | 4 | 300 | 0 | 0 | Traffic | |
| | I | (untitled) | 5 | 300 | 0 | 0 | Pedestrian | 3 |
| | J | (untitled) | 5 | 300 | 0 | 0 | Pedestrian | 3 |
| | K | (untitled) | 10 | 300 | 0 | 0 | Pedestrian | 3 |

## Library Stages

| Controller Stream | Library Stage | Phases in stage | User stage minimum (s) |
|---|---|---|---|
| 770-3 | 7 | F, I, J | 1 |
| | 8 | G, H, K | 1 |
| | 9 | G, H | 1 |

## Losing / Gaining Phase Delays

| Controller Stream | Delay | Type | Phase | From stage | To stage | Relative delay |
|---|---|---|---|---|---|---|
| 770-3 | 1 | Losing | I | 7 | 8 | 2 |
| | 2 | Losing | F | 7 | 8 | 2 |
| | 3 | Losing | G | 8 | 7 | 7 |
| | 4 | Losing | H | 8 | 7 | 5 |
| | 5 | Losing | I | 7 | 9 | 4 |
| | 6 | Losing | F | 7 | 9 | 4 |
| | 7 | Losing | G | 9 | 7 | 7 |
| | 8 | Losing | H | 9 | 7 | 5 |
| | 9 | Losing | J | 7 | 9 | 2 |

## Stage Sequences

| Controller Stream | Sequence | Name | Multiple cycling | Equal length multiple cycling | Stage IDs | Stage ends | Multiple cycling stage IDs | Multiple cycling stage ends |
|---|---|---|---|---|---|---|---|---|
| 770-3 | 1 | (untitled) | Double | ✓ | 7, 9 | 10, 28 | 7, 9 | 70, 88 |

## Intergreen Matrix for Controller Stream 770-3

| | | To | | | | | |
|---|---|---|---|---|---|---|---|
| | | F | G | H | I | J | K |
| From | F | | 7 | 5 | | | 6 |
| | G | 4 | | | 5 | | |
| | H | 6 | | | | 5 | |
| | I | | 7 | | | | |
| | J | | | 7 | | | |
| | K | 11 | | | | | |

## Banned Stage transitions for Controller Stream 770-3

| | | To | | |
|---|---|---|---|---|
| | | 7 | 8 | 9 |
| From | 7 | | | |
| | 8 | | | |
| | 9 | | | |

## Interstage Matrix for Controller Stream 770-3

| | | To | | |
|---|---|---|---|---|
| | | 7 | 8 | 9 |
| From | 7 | 0 | 9 | 11 |
| | 8 | 12 | 0 | 0 |
| | 9 | 12 | 0 | 0 |

## Resultant Stages

| Controller Stream | Resultant Stage | Is base stage | Library Stage ID | Phases in this stage | Stage start (s) | Stage end (s) | Stage duration (s) | User stage minimum (s) | Stage minimum (s) |
|---|---|---|---|---|---|---|---|---|---|
| 770-3 | 1 | ✓ | 7 | F,I,J | 100 | 10 | 30 | 1 | 2 |
| | 3 | | 7 | F,I,J | 40 | 70 | 30 | 1 | 2 |
| | 4 | | 9 | G,H | 81 | 88 | 7 | 1 | 1 |

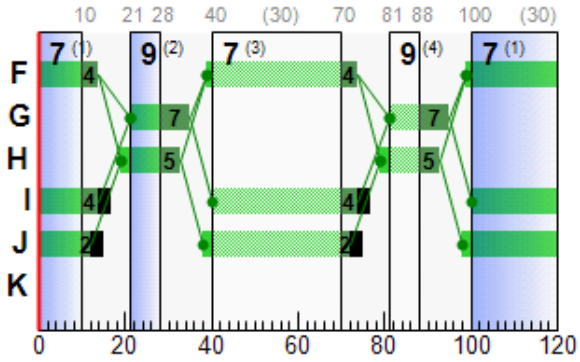
## Resultant Phase Green Periods

| Controller Stream | Phase | Green period | Is base green period | Start time (s) | End time (s) | Duration (s) |
|---|---|---|---|---|---|---|
| 770-3 | F | 1 | | 39 | 74 | 35 |
| | | 2 | ✓ | 99 | 14 | 35 |
| | G | 1 | ✓ | 21 | 35 | 14 |
| | | 2 | | 81 | 95 | 14 |
| | H | 1 | ✓ | 19 | 33 | 14 |
| | | 2 | | 79 | 93 | 14 |
| | I | 1 | | 40 | 74 | 34 |
| | | 2 | ✓ | 100 | 14 | 34 |
| | J | 1 | | 38 | 72 | 34 |
| | | 2 | ✓ | 98 | 12 | 34 |

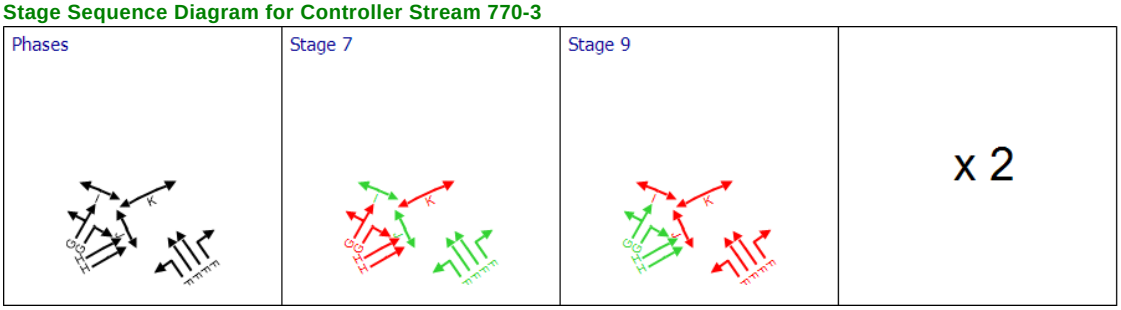
## Traffic Stream Green Times

| Arm | Traffic Stream | Traffic Node | Controller Stream | Phase | Green Period 1 | | | Green Period 2 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Start | End | Duration | Start | End | Duration |
| Ec | 1 | 4 | 770-3 | F | 39 | 74 | 35 | 99 | 14 | 35 |
| Ec | 2 | 4 | 770-3 | F | 39 | 74 | 35 | 99 | 14 | 35 |
| Ec | 3 | 4 | 770-3 | F | 39 | 74 | 35 | 99 | 14 | 35 |
| Ec | 4 | 4 | 770-3 | F | 39 | 74 | 35 | 99 | 14 | 35 |
| E1 | 1 | 4 | 770-3 | G | 21 | 35 | 14 | 81 | 95 | 14 |
| E1 | 2 | 4 | 770-3 | G | 21 | 35 | 14 | 81 | 95 | 14 |
| E2 | 3 | 4 | 770-3 | H | 19 | 33 | 14 | 79 | 93 | 14 |
| E2 | 4 | 4 | 770-3 | H | 19 | 33 | 14 | 79 | 93 | 14 |

### Phase Timings Diagram for Controller Stream 770-3




### Stage Sequence Diagram for Controller Stream 770-3




## Controller Stream 770-4

| Controller Stream | Name | Description | Use sequence | Cycle time source | Cycle time (s) |
|---|---|---|---|---|---|
| 770-4 | (untitled) | | 1 | NetworkDefault | 120 |

## Controller Stream 770-4 - Properties

| Controller Stream | Manufacturer name | Type | Model number | (Telephone) Line Number | Site number | Grid reference | Gaining delay type |
|---|---|---|---|---|---|---|---|
| 770-4 | Unspecified | | | | | | Absolute |

## Controller Stream 770-4 - Optimisation

| Controller Stream | Allow offset optimisation | Allow green split optimisation | Optimisation level | Auto redistribute | Enable stage constraint |
|---|---|---|---|---|---|
| 770-4 | | | None | | |

## Phases

| Controller Stream | Phase | Name | Minimum green (s) | Maximum green (s) | Relative start displacement (s) | Relative end displacement (s) | Type | Blackout Time (s) |
|---|---|---|---|---|---|---|---|---|
| 770-4 | L | (untitled) | 7 | 300 | 0 | 0 | Traffic | |
| | M | (untitled) | 6 | 300 | 0 | 0 | Pedestrian | 3 |

## Library Stages

| Controller Stream | Library Stage | Phases in stage | User stage minimum (s) |
|---|---|---|---|
| 770-4 | 11 | L | 1 |
| | 12 | M | 1 |

## Stage Sequences

| Controller Stream | Sequence | Name | Multiple cycling | Stage IDs | Stage ends |
|---|---|---|---|---|---|
| 770-4 | 1 | (untitled) | Single | 11, 12 | 19, 32 |

## Intergreen Matrix for Controller Stream 770-4

| | | To | |
|---|---|---|---|
| | | L | M |
| From | L | | 5 |
| | M | 7 | |

## Banned Stage transitions for Controller Stream 770-4

| | | To | |
|---|---|---|---|
| | | 11 | 12 |
| From | 11 | | |
| | 12 | | |

## Interstage Matrix for Controller Stream 770-4

| | | To | |
|---|---|---|---|
| | | 11 | 12 |
| From | 11 | 0 | 5 |
| | 12 | 7 | 0 |

## Resultant Stages

| Controller Stream | Resultant Stage | Is base stage | Library Stage ID | Phases in this stage | Stage start (s) | Stage end (s) | Stage duration (s) | User stage minimum (s) | Stage minimum (s) |
|---|---|---|---|---|---|---|---|---|---|
| 770-4 | 1 | ✓ | 11 | L | 39 | 19 | 100 | 1 | 7 |
| | 2 | ✓ | 12 | M | 24 | 32 | 8 | 1 | 6 |

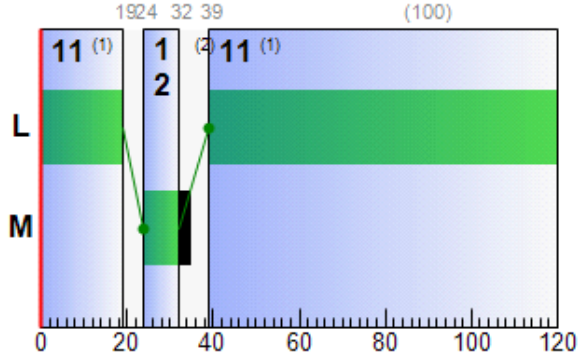
## Resultant Phase Green Periods

| Controller Stream | Phase | Green period | Is base green period | Start time (s) | End time (s) | Duration (s) |
|---|---|---|---|---|---|---|
| 770-4 | L | 1 | ✓ | 39 | 19 | 100 |
| | M | 1 | ✓ | 24 | 32 | 8 |

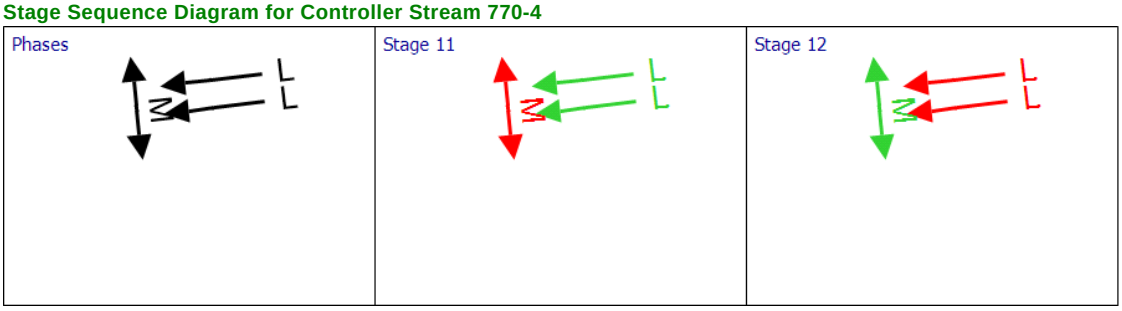
## Traffic Stream Green Times

| Arm | Traffic Stream | Traffic Node | Controller Stream | Phase | Green Period 1 | | | Green Period 2 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Start | End | Duration | Start | End | Duration |
| Exp | 1 | 4-2 | 770-4 | L | 39 | 19 | 100 | | | |
| Exp | 2 | 4-2 | 770-4 | L | 39 | 19 | 100 | | | |

### Phase Timings Diagram for Controller Stream 770-4



### Stage Sequence Diagram for Controller Stream 770-4




## Controller Stream 771-1

| Controller Stream | Name | Description | Use sequence | Cycle time source | Cycle time (s) |
|---|---|---|---|---|---|
| 771-1 | (untitled) | | 1 | NetworkDefault | 120 |

## Controller Stream 771-1 - Properties

| Controller Stream | Manufacturer name | Type | Model number | (Telephone) Line Number | Site number | Grid reference | Gaining delay type |
|---|---|---|---|---|---|---|---|
| 771-1 | Unspecified | | | | | | Absolute |

## Controller Stream 771-1 - Optimisation

| Controller Stream | Allow offset optimisation | Allow green split optimisation | Optimisation level | Auto redistribute | Enable stage constraint |
|---|---|---|---|---|---|
| 771-1 | ✓ | ✓ | Offsets And Green Splits | | |

## Phases

| Controller Stream | Phase | Name | Minimum green (s) | Maximum green (s) | Relative start displacement (s) | Relative end displacement (s) | Type | Blackout Time (s) |
|---|---|---|---|---|---|---|---|---|
| 771-1 | A | (untitled) | 7 | 300 | 0 | 0 | Traffic | |
| | B | (untitled) | 7 | 300 | 0 | 0 | Traffic | |
| | C | (untitled) | 9 | 300 | 0 | 0 | Pedestrian | 3 |

## Library Stages

| Controller Stream | Library Stage | Phases in stage | User stage minimum (s) |
|---|---|---|---|
| 771-1 | 1 | A, C | 1 |
| | 2 | A | 1 |
| | 3 | B | 1 |

## Losing / Gaining Phase Delays

| Controller Stream | Delay | Type | Phase | From stage | To stage | Relative delay |
|---|---|---|---|---|---|---|
| 771-1 | 1 | Losing | A | 1 | 3 | 6 |

## Stage Sequences

| Controller Stream | Sequence | Name | Multiple cycling | Equal length multiple cycling | Stage IDs | Stage ends | Multiple cycling stage IDs | Multiple cycling stage ends |
|---|---|---|---|---|---|---|---|---|
| 771-1 | 1 | (untitled) | Double | ✓ | 1, 3 | 21, 40 | 1, 3 | 81, 100 |

## Intergreen Matrix for Controller Stream 771-1

| | | To | | |
|---|---|---|---|---|
| | | A | B | C |
| From | A | | 5 | |
| | B | 5 | | 5 |
| | C | | 11 | |

## Banned Stage transitions for Controller Stream 771-1

| | | To | | |
|---|---|---|---|---|
| | | 1 | 2 | 3 |
| From | 1 | | | |
| | 2 | | | |
| | 3 | | | |

## Interstage Matrix for Controller Stream 771-1

| | | To | | |
|---|---|---|---|---|
| | | 1 | 2 | 3 |
| From | 1 | 0 | 0 | 11 |
| | 2 | 0 | 0 | 5 |
| | 3 | 5 | 5 | 0 |

## Resultant Stages

| Controller Stream | Resultant Stage | Is base stage | Library Stage ID | Phases in this stage | Stage start (s) | Stage end (s) | Stage duration (s) | User stage minimum (s) | Stage minimum (s) |
|---|---|---|---|---|---|---|---|---|---|
| 771-1 | 1 | ✓ | 1 | A,C | 105 | 21 | 36 | 1 | 9 |
| | 2 | ✓ | 3 | B | 32 | 40 | 8 | 1 | 7 |
| | 3 | | 1 | A,C | 45 | 81 | 36 | 1 | 9 |
| | 4 | | 3 | B | 92 | 100 | 8 | 1 | 7 |

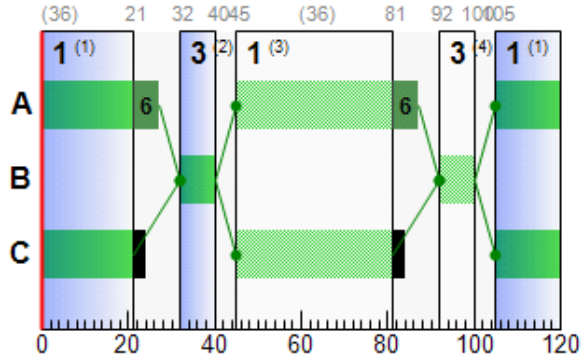
## Resultant Phase Green Periods

| Controller Stream | Phase | Green period | Is base green period | Start time (s) | End time (s) | Duration (s) |
|---|---|---|---|---|---|---|
| 771-1 | A | 1 | | 45 | 87 | 42 |
| | | 2 | ✓ | 105 | 27 | 42 |
| | B | 1 | ✓ | 32 | 40 | 8 |
| | | 2 | | 92 | 100 | 8 |
| | C | 1 | | 45 | 81 | 36 |
| | | 2 | ✓ | 105 | 21 | 36 |

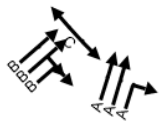
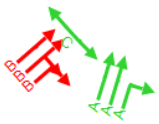
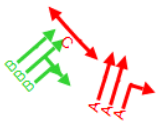
## Traffic Stream Green Times

| Arm | Traffic Stream | Traffic Node | Controller Stream | Phase | Green Period 1 | | | Green Period 2 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Start | End | Duration | Start | End | Duration |
| F | 1 | 5 | 771-1 | B | 32 | 40 | 8 | 92 | 100 | 8 |
| F | 2 | 5 | 771-1 | B | 32 | 40 | 8 | 92 | 100 | 8 |
| F | 3 | 5 | 771-1 | B | 32 | 40 | 8 | 92 | 100 | 8 |
| Fc | 1 | 5 | 771-1 | A | 45 | 87 | 42 | 105 | 27 | 42 |
| Fc | 2 | 5 | 771-1 | A | 45 | 87 | 42 | 105 | 27 | 42 |
| Fc | 3 | 5 | 771-1 | A | 45 | 87 | 42 | 105 | 27 | 42 |

### Phase Timings Diagram for Controller Stream 771-1



### Stage Sequence Diagram for Controller Stream 771-1

| Phases | Stage 1 | Stage 3 | |
|---|---|---|---|
|  |  |  | x 2 |

## Controller Stream 771-2

| Controller Stream | Name | Description | Use sequence | Cycle time source | Cycle time (s) |
|---|---|---|---|---|---|
| **771-2** | (untitled) | | 1 | NetworkDefault | 120 |

## Controller Stream 771-2 - Properties

| Controller Stream | Manufacturer name | Type | Model number | (Telephone) Line Number | Site number | Grid reference | Gaining delay type |
|---|---|---|---|---|---|---|---|
| **771-2** | Unspecified | | | | | | Absolute |

## Controller Stream 771-2 - Optimisation

| Controller Stream | Allow offset optimisation | Allow green split optimisation | Optimisation level | Auto redistribute | Enable stage constraint |
|---|---|---|---|---|---|
| **771-2** | | | None | | |

## Phases

| Controller Stream | Phase | Name | Minimum green (s) | Maximum green (s) | Relative start displacement (s) | Relative end displacement (s) | Type |
|---|---|---|---|---|---|---|---|
| **771-2** | **(ALL)** | (untitled) | 7 | 300 | 0 | 0 | Traffic |

## Library Stages

| Controller Stream | Library Stage | Phases in stage | User stage minimum (s) |
|---|---|---|---|
| **771-2** | **5** | D | 1 |
| | **6** | E | 1 |

## Stage Sequences

| Controller Stream | Sequence | Name | Multiple cycling | Equal length multiple cycling | Stage IDs | Stage ends | Multiple cycling stage IDs | Multiple cycling stage ends |
|---|---|---|---|---|---|---|---|---|
| **771-2** | **1** | (untitled) | Double | ✓ | 5, 6 | 18, 41 | 5, 6 | 78, 101 |

## Intergreen Matrix for Controller Stream 771-2

| | | To | |
|---|---|---|---|
| | | **D** | **E** |
| **From** | **D** | | 5 |
| | **E** | 5 | |

## Banned Stage transitions for Controller Stream 771-2

| | | To | |
|---|---|---|---|
| | | **5** | **6** |
| **From** | **5** | | |
| | **6** | | |

## Interstage Matrix for Controller Stream 771-2

| | | To | |
|---|---|---|---|
| | | **5** | **6** |
| **From** | **5** | 0 | 5 |
| | **6** | 5 | 0 |

## Resultant Stages

| Controller Stream | Resultant Stage | Is base stage | Library Stage ID | Phases in this stage | Stage start (s) | Stage end (s) | Stage duration (s) | User stage minimum (s) | Stage minimum (s) |
|---|---|---|---|---|---|---|---|---|---|
| 771-2 | 1 | ✓ | 5 | D | 106 | 18 | 32 | 1 | 7 |
| | 2 | ✓ | 6 | E | 23 | 41 | 18 | 1 | 7 |
| | 3 | | 5 | D | 46 | 78 | 32 | 1 | 7 |
| | 4 | | 6 | E | 83 | 101 | 18 | 1 | 7 |

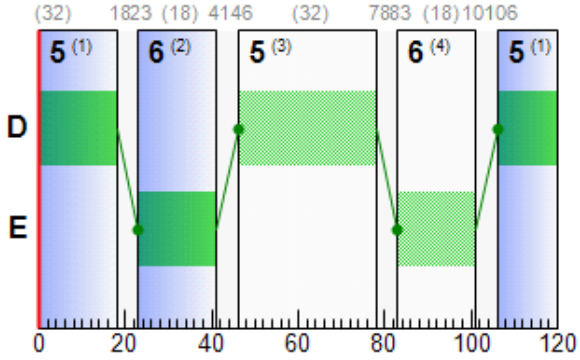
## Resultant Phase Green Periods

| Controller Stream | Phase | Green period | Is base green period | Start time (s) | End time (s) | Duration (s) |
|---|---|---|---|---|---|---|
| 771-2 | D | 1 | | 46 | 78 | 32 |
| | | 2 | ✓ | 106 | 18 | 32 |
| | E | 1 | ✓ | 23 | 41 | 18 |
| | | 2 | | 83 | 101 | 18 |

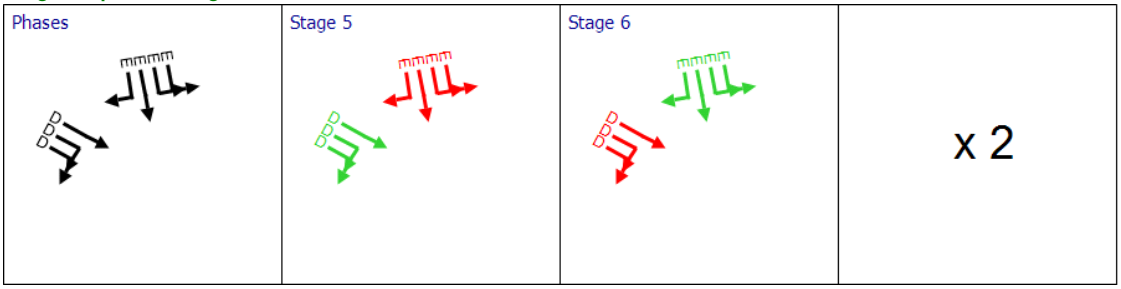
## Traffic Stream Green Times

| Arm | Traffic Stream | Traffic Node | Controller Stream | Phase | Green Period 1 | | | Green Period 2 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Start | End | Duration | Start | End | Duration |
| A | 1 | 6 | 771-2 | E | 23 | 41 | 18 | 83 | 101 | 18 |
| A | 2 | 6 | 771-2 | E | 23 | 41 | 18 | 83 | 101 | 18 |
| A | 3 | 6 | 771-2 | E | 23 | 41 | 18 | 83 | 101 | 18 |
| A | 4 | 6 | 771-2 | E | 23 | 41 | 18 | 83 | 101 | 18 |
| Ac | 1 | 6 | 771-2 | D | 46 | 78 | 32 | 106 | 18 | 32 |
| Ac | 2 | 6 | 771-2 | D | 46 | 78 | 32 | 106 | 18 | 32 |
| Ac | 3 | 6 | 771-2 | D | 46 | 78 | 32 | 106 | 18 | 32 |

### Phase Timings Diagram for Controller Stream 771-2




### Stage Sequence Diagram for Controller Stream 771-2




## Controller Stream TC777-1

| Controller Stream | Name | Description | Use sequence | Cycle time source | Cycle time (s) |
|---|---|---|---|---|---|
| TC777-1 | A653 Dewsbury Road / Topcliffe Lane | | 1 | NetworkDefault | 120 |

## Controller Stream TC777-1 - Properties

| Controller Stream | Manufacturer name | Type | Model number | (Telephone) Line Number | Site number | Grid reference | Gaining delay type |
|---|---|---|---|---|---|---|---|
| TC777-1 | Unspecified | | | | | | Absolute |

## Controller Stream TC777-1 - Optimisation

| Controller Stream | Allow offset optimisation | Allow green split optimisation | Optimisation level | Auto redistribute | Enable stage constraint |
|---|---|---|---|---|---|
| TC777-1 | | | None | | |

## Phases

| Controller Stream | Phase | Name | Minimum green (s) | Maximum green (s) | Relative start displacement (s) | Relative end displacement (s) | Type | Blackout Time (s) |
|---|---|---|---|---|---|---|---|---|
| TC777-1 | A | Dewsbury Rd NB | 7 | 300 | 0 | 1 | Traffic | |
| | B | Dewsbury Rd SB | 7 | 300 | 0 | 2 | Traffic | |
| | C | Dewsbury Rd NB RT | 7 | 300 | 0 | 0 | Traffic | |
| | D | Topcliffe Ln RT | 7 | 300 | 0 | 0 | Traffic | |
| | E | Side Road | 7 | 300 | 0 | 0 | Traffic | |
| | F | Ped Xing at D | 5 | 300 | 0 | 0 | Pedestrian | 3 |
| | G | Ped Xing at B | 7 | 300 | 0 | 0 | Pedestrian | 3 |
| | H | Ped Xing at A AH | 6 | 300 | 0 | 0 | Pedestrian | 3 |
| | I | Ped Xing at A LT | 5 | 300 | 0 | 0 | Pedestrian | 3 |

## Library Stages

| Controller Stream | Library Stage | Phases in stage | User stage minimum (s) |
|---|---|---|---|
| TC777-1 | 1 | A, B, F | 1 |
| | 2 | A, C, F, G | 1 |
| | 3 | B, F, H, I | 1 |
| | 4 | D, E | 1 |
| | 5 | D, H, I | 1 |
| | 6 | E, F, I | 1 |

## Stage Sequences

| Controller Stream | Sequence | Name | Multiple cycling | Stage IDs | Stage ends |
|---|---|---|---|---|---|
| TC777-1 | 1 | (untitled) | Single | 1, 2, 5 | 89, 105, 0 |

## Intergreen Matrix for Controller Stream TC777-1

| | | To | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | A | B | C | D | E | F | G | H | I |
| From | A | | | | 5 | 5 | | | 7 | 5 |
| | B | | | 5 | 5 | 5 | | 5 | | |
| | C | | 6 | | 5 | 5 | | | | |
| | D | 5 | 5 | 6 | | | 5 | | | |
| | E | 5 | 5 | 5 | | | | | 8 | |
| | F | | | | 8 | | | | | |
| | G | | 10 | | | | | | | |
| | H | 6 | | | | 6 | | | | |
| | I | 5 | | | | | | | | |

## Banned Stage transitions for Controller Stream TC777-1

| | | To | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| From | 1 | | | | | | |
| | 2 | | | | | | |
| | 3 | | | | | | |
| | 4 | | | | | | |
| | 5 | | | | | | |
| | 6 | | | | | | |

## Interstage Matrix for Controller Stream TC777-1

| | | To | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 |
| From | 1 | 0 | 5 | 7 | 8 | 8 | 5 |
| | 2 | 10 | 0 | 10 | 8 | 8 | 5 |
| | 3 | 6 | 6 | 0 | 8 | 8 | 6 |
| | 4 | 5 | 6 | 8 | 0 | 8 | 5 |
| | 5 | 6 | 6 | 5 | 6 | 0 | 6 |
| | 6 | 5 | 5 | 8 | 8 | 8 | 0 |

## Resultant Stages

| Controller Stream | Resultant Stage | Is base stage | Library Stage ID | Phases in this stage | Stage start (s) | Stage end (s) | Stage duration (s) | User stage minimum (s) | Stage minimum (s) |
|---|---|---|---|---|---|---|---|---|---|
| TC777-1 | 1 | ✓ | 1 | A,B,F | 6 | 89 | 83 | 1 | 6 |
| | 2 | ✓ | 2 | A,C,F,G | 94 | 105 | 11 | 1 | 7 |
| | 3 | ✓ | 5 | D,H,I | 113 | 0 | 7 | 1 | 7 |

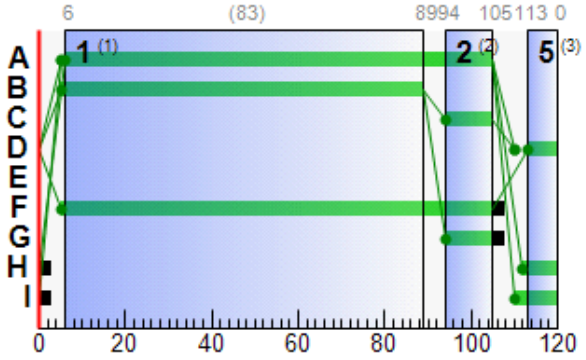
## Resultant Phase Green Periods

| Controller Stream | Phase | Green period | Is base green period | Start time (s) | End time (s) | Duration (s) |
|---|---|---|---|---|---|---|
| TC777-1 | A | 1 | ✓ | 6 | 105 | 99 |
| | B | 1 | ✓ | 5 | 89 | 84 |
| | C | 1 | ✓ | 94 | 105 | 11 |
| | D | 1 | ✓ | 113 | 0 | 7 |
| | F | 1 | ✓ | 5 | 105 | 100 |
| | G | 1 | ✓ | 94 | 105 | 11 |
| | H | 1 | ✓ | 112 | 0 | 8 |
| | I | 1 | ✓ | 110 | 0 | 10 |

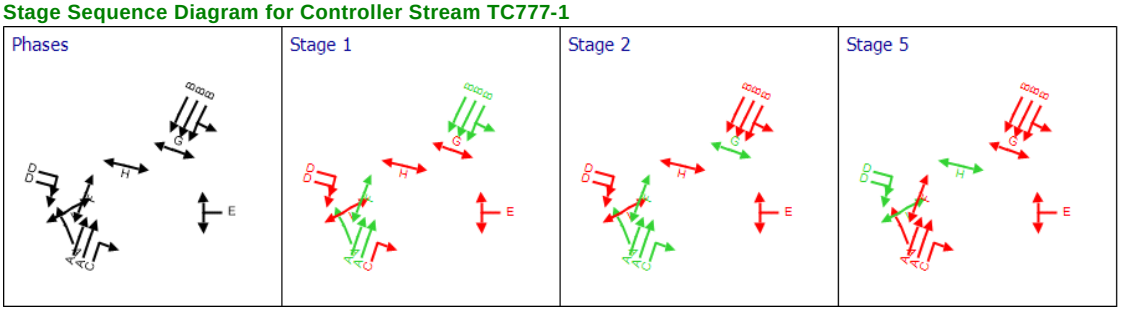
## Traffic Stream Green Times

| Arm | Traffic Stream | Traffic Node | Controller Stream | Phase | Green Period 1 | | | Green Period 2 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Start | End | Duration | Start | End | Duration |
| TC5 | 2 | TC771-6 | TC777-1 | A | 6 | 105 | 99 | | | |
| TC5 | 3 | TC771-6 | TC777-1 | A | 6 | 105 | 99 | | | |
| TC5 | 4 | TC771-6 | TC777-1 | C | 94 | 105 | 11 | | | |
| TC9 | 1 | TC771-6 | TC777-1 | B | 5 | 89 | 84 | | | |
| TC9 | 2 | TC771-6 | TC777-1 | B | 5 | 89 | 84 | | | |
| TC9 | 3 | TC771-6 | TC777-1 | B | 5 | 89 | 84 | | | |
| TC35 | 1 | TC771-6 | TC777-1 | A | 6 | 105 | 99 | | | |
| TC41 | 1 | TC771-6 | TC777-1 | D | 113 | 0 | 7 | | | |
| TC41 | 2 | TC771-6 | TC777-1 | D | 113 | 0 | 7 | | | |
| TC42 | 1 | TC771-6 | TC777-1 | E | | | | | | |

### Phase Timings Diagram for Controller Stream TC777-1



### Stage Sequence Diagram for Controller Stream TC777-1




## Controller Stream TC777-2

| Controller Stream | Name | Description | Use sequence | Cycle time source | Cycle time (s) |
|---|---|---|---|---|---|
| TC777-2 | Topcliffe Ln LT Ped | | 1 | NetworkDefault | 120 |

## Controller Stream TC777-2 - Properties

| Controller Stream | Manufacturer name | Type | Model number | (Telephone) Line Number | Site number | Grid reference | Gaining delay type |
|---|---|---|---|---|---|---|---|
| TC777-2 | Unspecified | | | | | | Absolute |

## Controller Stream TC777-2 - Optimisation

| Controller Stream | Allow offset optimisation | Allow green split optimisation | Optimisation level | Auto redistribute | Enable stage constraint |
|---|---|---|---|---|---|
| TC777-2 | | | None | | |

## Phases

| Controller Stream | Phase | Name | Minimum green (s) | Maximum green (s) | Relative start displacement (s) | Relative end displacement (s) | Type | Blackout Time (s) |
|---|---|---|---|---|---|---|---|---|
| TC777-2 | J | Topcliffe Ln LT | 7 | 300 | 0 | 0 | Traffic | |
| | K | Ped Xing at J | 5 | 300 | 0 | 0 | Pedestrian | 3 |

## Library Stages

| Controller Stream | Library Stage | Phases in stage | User stage minimum (s) |
|---|---|---|---|
| TC777-2 | 1 | J | 1 |
| | 2 | K | 1 |

## Stage Sequences

| Controller Stream | Sequence | Name | Multiple cycling | Stage IDs | Stage ends |
|---|---|---|---|---|---|
| TC777-2 | 1 | (untitled) | Single | 1, 2 | 30, 40 |

## Intergreen Matrix for Controller Stream TC777-2

| | | To | |
|---|---|---|---|
| | | J | K |
| From | J | | 5 |
| | K | 5 | |

## Banned Stage transitions for Controller Stream TC777-2

| | | To | |
|---|---|---|---|
| | | 1 | 2 |
| From | 1 | | |
| | 2 | | |

## Interstage Matrix for Controller Stream TC777-2

| | | To | |
|---|---|---|---|
| | | 1 | 2 |
| From | 1 | 0 | 5 |
| | 2 | 5 | 0 |

### Resultant Stages

| Controller Stream | Resultant Stage | Is base stage | Library Stage ID | Phases in this stage | Stage start (s) | Stage end (s) | Stage duration (s) | User stage minimum (s) | Stage minimum (s) |
|---|---|---|---|---|---|---|---|---|---|
| TC777-2 | 1 | ✓ | 1 | J | 45 | 30 | 105 | 1 | 7 |
| | 2 | ✓ | 2 | K | 35 | 40 | 5 | 1 | 5 |

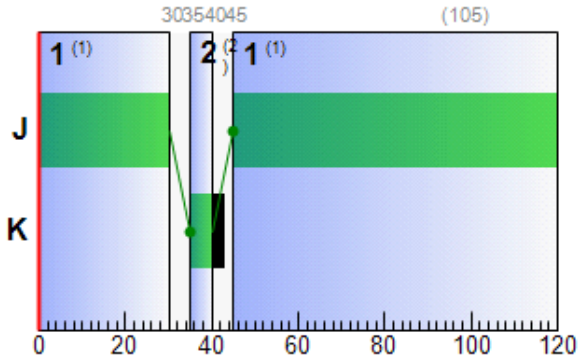
### Resultant Phase Green Periods

| Controller Stream | Phase | Green period | Is base green period | Start time (s) | End time (s) | Duration (s) |
|---|---|---|---|---|---|---|
| TC777-2 | J | 1 | ✓ | 45 | 30 | 105 |
| | K | 1 | ✓ | 35 | 40 | 5 |

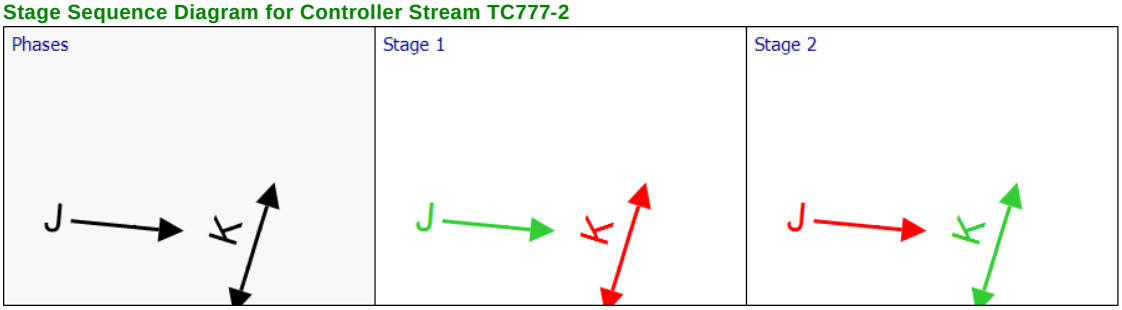
### Traffic Stream Green Times

| Arm | Traffic Stream | Traffic Node | Controller Stream | Phase | Green Period 1 | | | Green Period 2 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Start | End | Duration | Start | End | Duration |
| TC37 | 1 | TC771-6 | TC777-2 | J | 45 | 30 | 105 | | | |

### Phase Timings Diagram for Controller Stream TC777-2




### Stage Sequence Diagram for Controller Stream TC777-2




### Resultant penalties

| Time Segment | Controller stream | Phase min max penalty (£ per hr) | Intergreen broken penalty (£ per hr) | Stage constraint broken penalty (£ per hr) | Cost of controller stream penalties (£ per hr) |
|---|---|---|---|---|---|
| 07:30-08:30 | (ALL) | 0.00 | 0.00 | 0.00 | 0.00 |

# Results - Link

# Results - Traffic Stream

### Results - Traffic Stream: Vehicle summary

| Time Segment | Arm | Traffic Stream | Name | Phase | Calculated flow entering (PCU/hr) | Calculated sat flow (PCU/hr) | Actual green (s (per cycle)) | Calculated capacity (PCU/hr) | Degree of saturation (%) | Practical reserve capacity (%) | Mean Delay per Veh (s) | Mean max queue (PCU) | Utilised storage (%) | JourneyTime (s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | (untitled) | E | 430 | 2050 | 36 | 649 | 66 | 36 | 18.98 | 8.00 | 61.76 | 24.57 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | 2 | (untitled) | E | 166 | 2050 | 36 | 649 | 26 | 252 | 11.32 | 2.41 | 18.06 | 17.09 |
| | | 3 | (untitled) | E | 366 | 2050 | 36 | 649 | 56 | 60 | 15.28 | 5.49 | 40.18 | 21.18 |
| | | 4 | (untitled) | E | 541 | 2050 | 36 | 649 | 83 | 8 | 28.12 | 11.75 | 84.08 | 34.14 |
| | Ac | 1 | (untitled) | D | 1114 | 2263 | 64 | 1245 | 89 | 1 | 20.06 | 12.85 | 77.14 | 27.24 |
| | | 2 | (untitled) | D | 230 | 2263 | 64 | 1245 | 18 | 388 | 0.33 | 0.02 | 0.13 | 9.82 |
| | | 3 | (untitled) | D | 387 | 2263 | 64 | 1245 | 31 | 190 | 1.21 | 4.79 | 31.30 | 7.81 |
| | Acf | 1 | (untitled) | | 1343 | 2263 | 120 | 2263 | 59 | 52 | 1.16 | 0.43 | 3.58 | 6.38 |
| | | 2 | (untitled) | | 387 | 2263 | 120 | 2263 | 17 | 426 | 0.16 | 0.02 | 0.14 | 7.41 |
| | Af | 1 | (untitled) | | 596 | 2050 | 120 | 2050 | 29 | 210 | 0.36 | 0.06 | 0.64 | 6.78 |
| | | 2 | (untitled) | | 366 | 2050 | 120 | 2050 | 18 | 404 | 0.19 | 0.02 | 0.21 | 6.55 |
| | | 3 | (untitled) | | 541 | 2050 | 120 | 2050 | 26 | 241 | 0.31 | 0.05 | 0.52 | 6.64 |
| | B | 1 | (untitled) | B | 321 | 2050 | 42 | 752 | 43 | 111 | 11.84 | 3.25 | 19.74 | 18.94 |
| | | 2 | (untitled) | B | 330 | 2150 | 42 | 783 | 42 | 113 | 11.74 | 3.33 | 19.70 | 19.03 |
| | | 3 | (untitled) | B | 404 | 2100 | 42 | 770 | 52 | 72 | 30.43 | 6.96 | 40.14 | 37.91 |
| | | 4 | (untitled) | B | 439 | 2050 | 42 | 439 | 100 | -10 | 189.17 | 27.39 | 153.76 | 201.46 |
| | Bc | 1 | (untitled) | A | 396 | 2050 | 54 | 957 | 41 | 118 | 6.48 | 4.91 | 21.35 | 16.41 |
| | | 2 | (untitled) | A | 535 | 2050 | 54 | 950 | 56 | 60 | 7.95 | 7.60 | 33.40 | 17.77 |
| | | 3 | (untitled) | A | 759 | 2050 | 54 | 957 | 79 | 13 | 12.58 | 20.05 | 88.99 | 22.29 |
| | Bcf | 1 | (untitled) | | 1544 | 2263 | 120 | 2263 | 68 | 32 | 1.70 | 0.73 | 6.69 | 5.87 |
| | | 2 | (untitled) | | 396 | 2263 | 120 | 2263 | 17 | 415 | 0.17 | 0.02 | 0.17 | 5.29 |
| | | 3 | (untitled) | | 535 | 2263 | 120 | 2263 | 24 | 281 | 0.25 | 0.04 | 0.34 | 6.01 |
| | | 4 | (untitled) | | 759 | 2263 | 120 | 2259 | 34 | 168 | 0.40 | 2.05 | 18.97 | 6.23 |
| | Bf | 1 | (untitled) | | 651 | 1800 | 120 | 1800 | 36 | 149 | 0.57 | 0.10 | 0.26 | 27.90 |
| | | 2 | (untitled) | | 843 | 1800 | 120 | 882 | 96 | -6 | 112.06 | 46.35 | 116.67 | 139.47 |
| | C | 1 | (untitled) | G | 528 | 2100 | 34 | 630 | 84 | 7 | 33.73 | 9.76 | 46.34 | 48.27 |
| | | 2 | (untitled) | G | 481 | 2200 | 34 | 640 | 75 | 20 | 27.39 | 7.80 | 36.46 | 42.16 |
| | | 3 | (untitled) | G | 578 | 2050 | 34 | 615 | 94 | -4 | 121.77 | 25.71 | 118.87 | 136.70 |
| | Cf | 1 | (untitled) | | 1009 | 1965 | 120 | 1965 | 51 | 75 | 0.97 | 0.27 | 1.08 | 18.32 |
| | | 2 | (untitled) | | 596 | 1965 | 120 | 578 | 103 | -13 | 151.04 | 31.96 | 126.00 | 168.55 |
| | D | 1 | (untitled) | B | 515 | 2050 | 34 | 615 | 84 | 8 | 42.70 | 9.19 | 96.10 | 46.82 |
| | | 2 | (untitled) | B | 555 | 1850 | 34 | 555 | 100 | -10 | 113.13 | 20.57 | 215.10 | 117.26 |
| | | 3 | (untitled) | B | 572 | 2250 | 34 | 666 | 86 | 5 | 34.29 | 9.34 | 101.61 | 38.26 |
| | | 4 | (untitled) | B | 636 | 2250 | 34 | 675 | 94 | -4 | 52.15 | 13.61 | 141.19 | 56.31 |
| | Dc | 1 | (untitled) | A | 884 | 2100 | 66 | 1189 | 74 | 21 | 12.42 | 7.97 | 91.14 | 16.19 |
| | | 2 | (untitled) | A | 873 | 2100 | 66 | 1175 | 74 | 21 | 13.36 | 7.99 | 94.99 | 16.99 |
| | | 3 | (untitled) | A | 668 | 2100 | 66 | 959 | 70 | 29 | 10.81 | 6.51 | 80.68 | 14.29 |
| | | 4 | (untitled) | A | 800 | 2100 | 66 | 800 | 100 | -10 | 80.82 | 20.62 | 266.42 | 84.16 |
| | Dcf | 1 | (untitled) | | 913 | 2050 | 120 | 2050 | 45 | 102 | 0.70 | 0.18 | 1.56 | 5.65 |
| | | 2 | (untitled) | | 205 | 2100 | 120 | 2100 | 10 | 821 | 0.09 | 0.01 | 0.05 | 5.04 |
| | | 3 | (untitled) | | 884 | 2100 | 120 | 1544 | 57 | 57 | 3.08 | 7.39 | 64.04 | 8.06 |
| | | 4 | (untitled) | | 873 | 2100 | 120 | 1474 | 59 | 52 | 4.13 | 7.39 | 63.79 | 9.12 |
| | | 5 | (untitled) | | 668 | 2100 | 120 | 2071 | 32 | 179 | 0.46 | 2.40 | 20.62 | 5.47 |
| | | 6 | (untitled) | | 800 | 2100 | 120 | 800 | 100 | -10 | 87.28 | 24.92 | 213.46 | 92.31 |
| | Df | 1 | (untitled) | | 1120 | 1900 | 120 | 1070 | 105 | -14 | 117.07 | 50.48 | 145.12 | 141.07 |
| | | 2 | (untitled) | | 1208 | 2250 | 120 | 1978 | 61 | 47 | 2.18 | 5.51 | 15.84 | 26.18 |
| | Dxp | 1 | (untitled) | D | 989 | 2050 | 101 | 1743 | 57 | 59 | 1.66 | 1.75 | 21.58 | 5.15 |
| | | 2 | (untitled) | D | 210 | 2050 | 101 | 1743 | 12 | 646 | 0.27 | 0.14 | 1.60 | 3.92 |
| | Ec | 1 | (untitled) | F | 832 | 2150 | 70 | 1290 | 65 | 39 | 9.12 | 7.18 | 82.46 | 12.88 |
| | | 2 | (untitled) | F | 1223 | 2263 | 70 | 1358 | 90 | 0 | 16.40 | 10.73 | 127.40 | 20.03 |
| | | 3 | (untitled) | F | 1336 | 2263 | 70 | 1358 | 98 | -8 | 41.78 | 20.00 | 245.84 | 45.28 |
| | | 4 | (untitled) | F | 635 | 2250 | 70 | 1350 | 47 | 91 | 11.23 | 7.11 | 90.62 | 14.62 |
| | Ecf | 1 | (untitled) | | 968 | 2100 | 120 | 2091 | 46 | 94 | 0.80 | 4.87 | 60.95 | 4.25 |
| | | 2 | (untitled) | | 1304 | 2100 | 120 | 2083 | 63 | 44 | 1.59 | 5.40 | 66.95 | 5.07 |
| | | 3 | (untitled) | | 1223 | 2263 | 120 | 1740 | 70 | 28 | 5.96 | 7.13 | 87.33 | 9.48 |
| | | 4 | (untitled) | | 1336 | 2300 | 120 | 1546 | 86 | 4 | 12.85 | 9.41 | 113.95 | 16.42 |
| | | 5 | (untitled) | | 673 | 2300 | 120 | 1757 | 38 | 135 | 5.04 | 5.05 | 59.84 | 8.68 |
| | Ef | 1 | (untitled) | | 907 | 1900 | 120 | 836 | 108 | -17 | 173.69 | 54.15 | 244.12 | 188.99 |
| 07:30- | | 2 | (untitled) | | 509 | 1900 | 120 | 1900 | 27 | 236 | 0.35 | 0.05 | 0.22 | 15.65 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08:30 | Exp | 1 | (untitled) | L | 968 | 2050 | 100 | 1725 | 56 | 60 | 1.87 | 5.05 | 56.01 | 5.76 |
| | | 2 | (untitled) | L | 472 | 2050 | 100 | 1725 | 27 | 229 | 1.07 | 2.37 | 25.38 | 5.09 |
| | F | 1 | (untitled) | B | 310 | 2100 | 16 | 315 | 98 | -9 | 108.73 | 11.96 | 80.79 | 115.11 |
| | | 2 | (untitled) | B | 310 | 2100 | 16 | 315 | 98 | -9 | 108.73 | 11.96 | 80.23 | 115.16 |
| | | 3 | (untitled) | B | 324 | 2100 | 16 | 315 | 103 | -12 | 245.63 | 24.95 | 164.46 | 252.18 |
| | Fc | 1 | (untitled) | A | 1440 | 2263 | 84 | 1622 | 89 | 1 | 10.31 | 9.16 | 28.76 | 29.42 |
| | | 2 | (untitled) | A | 1367 | 2263 | 84 | 1480 | 92 | -3 | 20.21 | 30.34 | 96.15 | 38.92 |
| | | 3 | (untitled) | A | 1172 | 2263 | 84 | 1613 | 73 | 24 | 6.68 | 22.06 | 70.35 | 26.02 |
| | Ff | 1 | (untitled) | | 620 | 1900 | 120 | 1900 | 33 | 176 | 0.46 | 0.08 | 0.16 | 33.55 |
| | | 2 | (untitled) | | 324 | 1900 | 120 | 1288 | 25 | 258 | 3.00 | 1.49 | 3.11 | 36.05 |
| | G | 1 | (untitled) | F | 280 | 2050 | 32 | 561 | 50 | 80 | 39.25 | 4.91 | 18.10 | 55.31 |
| | | 2 | (untitled) | F | 267 | 2050 | 32 | 561 | 48 | 89 | 43.85 | 5.06 | 19.05 | 55.30 |
| | Gf | 1 | (untitled) | | 261 | 2050 | 120 | 2049 | 13 | 607 | 0.13 | 2.33 | 34.47 | 3.05 |
| | | 2 | (untitled) | | 248 | 2050 | 120 | 2049 | 12 | 644 | 0.13 | 2.33 | 34.85 | 3.01 |
| | xA | 1 | (untitled) | | 1607 | 2263 | 120 | 2155 | 75 | 21 | 2.87 | 8.06 | 20.17 | 20.09 |
| | | 2 | (untitled) | | 1577 | 2263 | 120 | 2185 | 72 | 25 | 2.74 | 33.40 | 83.49 | 19.99 |
| | xB | 1 | (untitled) | | 1544 | Unrestricted | 120 | Unrestricted | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 5.79 |
| | xC | 1 | (untitled) | | 494 | 1900 | 120 | 1029 | 48 | 88 | 6.86 | 7.21 | 35.88 | 15.53 |
| | | 2 | (untitled) | | 481 | 1900 | 120 | 1046 | 46 | 96 | 6.36 | 7.19 | 35.64 | 15.06 |
| | xD | 1 | (untitled) | | 989 | Unrestricted | 120 | Unrestricted | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 9.13 |
| | | 2 | (untitled) | | 210 | Unrestricted | 120 | Unrestricted | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 9.21 |
| | xE | 1 | (untitled) | | 968 | Unrestricted | 120 | Unrestricted | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 13.04 |
| | | 2 | (untitled) | | 472 | Unrestricted | 120 | Unrestricted | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 13.04 |
| | xF | 1 | (untitled) | | 883 | Unrestricted | 120 | Unrestricted | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 12.19 |
| | Cc1 | 1 | (untitled) | E | 427 | 2050 | 60 | 1059 | 40 | 123 | 6.09 | 2.66 | 15.88 | 12.73 |
| | E1 | 1 | (untitled) | G | 299 | 2050 | 28 | 513 | 58 | 54 | 36.37 | 5.37 | 38.60 | 42.37 |
| | | 2 | (untitled) | G | 537 | 2200 | 28 | 550 | 98 | -8 | 124.14 | 22.32 | 160.41 | 130.14 |
| | Gf1 | 1 | (untitled) | | 38 | 668 | 120 | 668 | 6 | 1482 | 2.19 | 0.33 | 3.96 | 5.78 |
| | Cc2 | 2 | (untitled) | D | 825 | 2150 | 58 | 1036 | 80 | 13 | 17.70 | 15.03 | 94.57 | 27.73 |
| | | 3 | (untitled) | D | 392 | 2050 | 58 | 1025 | 38 | 135 | 3.97 | 1.65 | 10.55 | 14.39 |
| | | 4 | (untitled) | D | 649 | 2150 | 58 | 1075 | 60 | 49 | 17.87 | 9.41 | 59.23 | 27.43 |
| | | 5 | (untitled) | D | 452 | 2050 | 58 | 1025 | 44 | 104 | 15.53 | 6.27 | 40.51 | 24.14 |
| | | 6 | (untitled) | D | 439 | 2050 | 58 | 439 | 100 | -10 | 155.06 | 23.49 | 152.46 | 163.03 |
| | E2 | 3 | (untitled) | H | 261 | 2150 | 28 | 528 | 49 | 82 | 22.67 | 3.65 | 39.38 | 26.67 |
| | | 4 | (untitled) | H | 248 | 2050 | 28 | 513 | 48 | 86 | 22.48 | 3.46 | 36.66 | 26.56 |
| | TC5 | 2 | (untitled) | A | 1068 | 2263 | 99 | 1905 | 56 | 61 | 2.15 | 3.02 | 75.46 | 4.91 |
| | | 3 | (untitled) | A | 1577 | 2263 | 99 | 1905 | 83 | 9 | 4.90 | 4.86 | 121.35 | 7.66 |
| | | 4 | (untitled) | C | 0 | 1800 | 11 | 180 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 0.00 |
| | TC9 | 1 | (untitled) | B | 501 | 1925 | 84 | 1396 | 36 | 151 | 6.86 | 5.92 | 37.14 | 17.86 |
| | | 2 | (untitled) | B | 358 | 1966 | 84 | 1425 | 25 | 258 | 5.98 | 3.72 | 23.23 | 17.03 |
| | | 3 | (untitled) | B | 454 | 1947 | 84 | 1412 | 32 | 180 | 6.52 | 5.01 | 31.06 | 17.64 |
| | TC35 | 1 | (untitled) | A | 539 | 1900 | 99 | 1599 | 34 | 167 | 2.58 | 2.98 | 71.00 | 5.48 |
| | TC36 | 1 | (untitled) | | 231 | 1800 | 120 | 1800 | 13 | 601 | 0.15 | 0.01 | 0.22 | 3.17 |
| | TC37 | 1 | (untitled) | J | 41 | 1850 | 105 | 1634 | 3 | 3487 | 0.90 | 0.16 | 2.07 | 4.09 |
| | TC38 | 1 | (untitled) | | 41 | 209 | 120 | 209 | 20 | 358 | 11.49 | 2.44 | 65.79 | 13.02 |
| | TC39 | 2 | (untitled) | | 1068 | 2263 | 120 | 2263 | 47 | 91 | 0.71 | 0.21 | 3.43 | 3.25 |
| | | 3 | (untitled) | | 1577 | 2263 | 120 | 2263 | 70 | 29 | 1.82 | 0.80 | 13.78 | 4.22 |
| | TC40 | 2 | (untitled) | | 1109 | Unrestricted | 120 | Unrestricted | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 4.23 |
| | | 3 | (untitled) | | 1577 | Unrestricted | 120 | Unrestricted | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 4.02 |
| | TC41 | 1 | (untitled) | D | 95 | 1850 | 7 | 123 | 77 | 17 | 98.25 | 4.15 | 43.65 | 102.18 |
| | | 2 | (untitled) | D | 95 | 1850 | 7 | 123 | 77 | 17 | 98.25 | 4.15 | 43.30 | 102.21 |
| | TC42 | 1 | (untitled) | E | 0 | 0 | 0 | 0 | 0 | -100 | 0.00 | 0.00 | 0.00 | 0.00 |
| | TC43 | 1 | (untitled) | | 0 | 1800 | 120 | 1800 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 0.00 |
| | 47 | 1 | (untitled) | | 974 | 1300 | 120 | 1300 | 75 | 20 | 4.10 | 1.11 | 4.77 | 20.13 |
| | 48 | 1 | (untitled) | | 1605 | 1965 | 120 | 1965 | 82 | 10 | 4.03 | 1.79 | 18.72 | 10.64 |
| | 49 | 1 | (untitled) | | 501 | 1900 | 120 | 1900 | 26 | 241 | 0.34 | 0.05 | 1.03 | 3.49 |
| | | 2 | (untitled) | | 812 | 1900 | 120 | 1900 | 43 | 111 | 0.71 | 0.16 | 3.49 | 3.86 |
| | 50 | 1 | (untitled) | | 1968 | 1900 | 120 | 1494 | 132 | -32 | 440.66 | 262.96 | 3140.45 | 446.43 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **51** | **1** | (untitled) | | 944 | 1900 | 120 | 1900 | 50 | 81 | 0.93 | 0.24 | 3.76 | 5.43 |

# Data Entry - Stage Start and End

## Resultant Stage

| Controller Stream | Resultant Stage | Is base stage | Library Stage ID | Phases in this stage | Stage start (s) | Stage end (s) | Stage duration (s) | User stage minimum (s) | Stage minimum (s) |
|---|---|---|---|---|---|---|---|---|---|
| **769-1** | **1** | ✓ | 1 | A | 98 | 5 | 27 | 1 | 7 |
| | **2** | ✓ | 2 | B | 12 | 33 | 21 | 1 | 7 |
| | **3** | | 1 | A | 38 | 65 | 27 | 1 | 7 |
| | **4** | | 2 | B | 72 | 93 | 21 | 1 | 7 |
| **769-2** | **1** | ✓ | 4 | D,E,H,I | 99 | 4 | 25 | 1 | 3 |
| | **2** | ✓ | 5 | F,G,J,K | 15 | 25 | 10 | 1 | 5 |
| | **3** | | 4 | D,E,H,I | 39 | 64 | 25 | 1 | 3 |
| | **4** | | 5 | F,G,J,K | 75 | 85 | 10 | 1 | 5 |
| **770-1** | **1** | ✓ | 1 | A,C | 100 | 9 | 29 | 1 | 7 |
| | **2** | ✓ | 2 | B | 18 | 35 | 17 | 1 | 7 |
| | **3** | | 1 | A,C | 40 | 69 | 29 | 1 | 7 |
| | **4** | | 2 | B | 78 | 95 | 17 | 1 | 7 |
| **770-2** | **1** | ✓ | 4 | D | 36 | 17 | 101 | 1 | 7 |
| | **2** | ✓ | 5 | E | 22 | 29 | 7 | 1 | 5 |
| **770-3** | **1** | ✓ | 7 | F,I,J | 100 | 10 | 30 | 1 | 2 |
| | **2** | ✓ | 9 | G,H | 21 | 28 | 7 | 1 | 1 |
| | **3** | | 7 | F,I,J | 40 | 70 | 30 | 1 | 2 |
| | **4** | | 9 | G,H | 81 | 88 | 7 | 1 | 1 |
| **770-4** | **1** | ✓ | 11 | L | 39 | 19 | 100 | 1 | 7 |
| | **2** | ✓ | 12 | M | 24 | 32 | 8 | 1 | 6 |
| **771-1** | **1** | ✓ | 1 | A,C | 105 | 21 | 36 | 1 | 9 |
| | **2** | ✓ | 3 | B | 32 | 40 | 8 | 1 | 7 |
| | **3** | | 1 | A,C | 45 | 81 | 36 | 1 | 9 |
| | **4** | | 3 | B | 92 | 100 | 8 | 1 | 7 |
| **771-2** | **1** | ✓ | 5 | D | 106 | 18 | 32 | 1 | 7 |
| | **2** | ✓ | 6 | E | 23 | 41 | 18 | 1 | 7 |
| | **3** | | 5 | D | 46 | 78 | 32 | 1 | 7 |
| | **4** | | 6 | E | 83 | 101 | 18 | 1 | 7 |
| **TC777-1** | **1** | ✓ | 1 | A,B,F | 6 | 89 | 83 | 1 | 6 |
| | **2** | ✓ | 2 | A,C,F,G | 94 | 105 | 11 | 1 | 7 |
| | **3** | ✓ | 5 | D,H,I | 113 | 0 | 7 | 1 | 7 |
| **TC777-2** | **1** | ✓ | 1 | J | 45 | 30 | 105 | 1 | 7 |
| | **2** | ✓ | 2 | K | 35 | 40 | 5 | 1 | 5 |

# Data Entry - Phase

## Phase

| Controller Stream | Phase | Phase | Minimum green (s) | Maximum green (s) | Relative start displacement (s) | Relative end displacement (s) | Type |
|---|---|---|---|---|---|---|---|
| 769-1 | A | A | 7 | 300 | 0 | 0 | Traffic |
| | B | B | 7 | 300 | 0 | 0 | Traffic |
| | C | C | 7 | 300 | 0 | 0 | Pedestrian |
| 769-2 | D | D | 7 | 300 | 0 | 0 | Traffic |
| | E | E | 7 | 300 | 0 | 0 | Traffic |
| | F | F | 4 | 300 | 0 | 0 | Traffic |
| | G | G | 4 | 300 | 0 | 0 | Traffic |
| | H | H | 5 | 300 | 0 | 0 | Pedestrian |
| | I | I | 7 | 300 | 0 | 0 | Pedestrian |
| | J | J | 12 | 300 | 0 | 0 | Pedestrian |
| | K | K | 5 | 300 | 0 | 0 | Pedestrian |
| 770-1 | A | A | 7 | 300 | 0 | 0 | Traffic |
| | B | B | 7 | 300 | 0 | 0 | Traffic |
| | C | C | 7 | 300 | 0 | 0 | Pedestrian |
| 770-2 | D | D | 7 | 300 | 0 | 0 | Traffic |
| | E | E | 5 | 300 | 0 | 0 | Pedestrian |
| 770-3 | F | F | 7 | 300 | 0 | 0 | Traffic |
| | G | G | 4 | 300 | 0 | 0 | Traffic |
| | H | H | 4 | 300 | 0 | 0 | Traffic |
| | I | I | 5 | 300 | 0 | 0 | Pedestrian |
| | J | J | 5 | 300 | 0 | 0 | Pedestrian |
| | K | K | 10 | 300 | 0 | 0 | Pedestrian |
| 770-4 | L | L | 7 | 300 | 0 | 0 | Traffic |
| | M | M | 6 | 300 | 0 | 0 | Pedestrian |
| 771-1 | A | A | 7 | 300 | 0 | 0 | Traffic |
| | B | B | 7 | 300 | 0 | 0 | Traffic |
| | C | C | 9 | 300 | 0 | 0 | Pedestrian |
| 771-2 | D | D | 7 | 300 | 0 | 0 | Traffic |
| | E | E | 7 | 300 | 0 | 0 | Traffic |
| TC777-1 | A | A | 7 | 300 | 0 | 1 | Traffic |
| | B | B | 7 | 300 | 0 | 2 | Traffic |
| | C | C | 7 | 300 | 0 | 0 | Traffic |
| | D | D | 7 | 300 | 0 | 0 | Traffic |
| | E | E | 7 | 300 | 0 | 0 | Traffic |
| | F | F | 5 | 300 | 0 | 0 | Pedestrian |
| | G | G | 7 | 300 | 0 | 0 | Pedestrian |
| | H | H | 6 | 300 | 0 | 0 | Pedestrian |
| | I | I | 5 | 300 | 0 | 0 | Pedestrian |
| TC777-2 | J | J | 7 | 300 | 0 | 0 | Traffic |
| | K | K | 5 | 300 | 0 | 0 | Pedestrian |

# Data Entry - Traffic Stream

## Traffic Stream

| Arm | Traffic Stream | Auto length | Length (m) | Traffic model | Max queue storage (PCU) | Traffic type | Has Saturation Flow | Is signal controlled | Is give way | Saturation flow source | Saturation flow (PCU/hr) | Delay weighting multiplier (%) | Stop weighting multiplier (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | 1 | ✓ | 74.52 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| | 2 | ✓ | 76.88 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| | 3 | ✓ | 78.61 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | ✓ | 80.35 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| Ac | 1 | ✓ | 95.80 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2263 | 100 | 100 |
| | 2 | ✓ | 92.34 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2263 | 100 | 100 |
| | 3 | ✓ | 87.95 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2263 | 100 | 100 |
| Acf | 1 | ✓ | 69.59 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2263 | 100 | 100 |
| | 2 | ✓ | 70.42 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2263 | 100 | 100 |
| Af | 1 | ✓ | 53.54 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2050 | 100 | 100 |
| | 2 | ✓ | 52.96 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2050 | 100 | 100 |
| | 3 | ✓ | 52.75 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2050 | 100 | 100 |
| B | 1 | ✓ | 94.67 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| | 2 | ✓ | 97.18 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2150 | 100 | 100 |
| | 3 | ✓ | 99.69 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2100 | 100 | 100 |
| | 4 | ✓ | 102.42 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| Bc | 1 | ✓ | 132.35 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| | 2 | ✓ | 130.93 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| | 3 | ✓ | 129.52 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| Bcf | 1 | ✓ | 62.67 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2263 | 100 | 100 |
| | 2 | ✓ | 63.14 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2263 | 100 | 100 |
| | 3 | ✓ | 62.35 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2263 | 100 | 100 |
| | 4 | ✓ | 62.25 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2263 | 100 | 100 |
| Bf | 1 | ✓ | 227.81 | CTM | 0.00 | Normal | ✓ | | | Sum of lanes | 1800 | 100 | 100 |
| | 2 | ✓ | 228.44 | CTM | 0.00 | Normal | ✓ | | | Sum of lanes | 1800 | 100 | 100 |
| C | 1 | ✓ | 121.13 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2100 | 100 | 100 |
| | 2 | ✓ | 123.10 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2200 | 100 | 100 |
| | 3 | ✓ | 124.35 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| Cf | 1 | ✓ | 144.60 | CTM | 0.00 | Normal | ✓ | | | Sum of lanes | 1965 | 100 | 100 |
| | 2 | ✓ | 145.86 | CTM | 0.00 | Normal | ✓ | | | Sum of lanes | 1965 | 100 | 100 |
| D | 1 | | 55.00 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| | 2 | | 55.00 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 1850 | 100 | 100 |
| | 3 | ✓ | 52.87 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2250 | 100 | 100 |
| | 4 | ✓ | 55.42 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2250 | 100 | 100 |
| Dc | 1 | ✓ | 50.27 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2100 | 100 | 100 |
| | 2 | ✓ | 48.34 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2100 | 100 | 100 |
| | 3 | ✓ | 46.42 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2100 | 100 | 100 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | ✓ | 44.49 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2100 | 100 | 100 |
| Dcf | 1 | ✓ | 65.95 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2050 | 100 | 100 |
| | 2 | ✓ | 65.92 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2100 | 100 | 100 |
| | 3 | ✓ | 66.39 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2100 | 100 | 100 |
| | 4 | ✓ | 66.58 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2100 | 100 | 100 |
| | 5 | ✓ | 66.89 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2100 | 100 | 100 |
| | 6 | ✓ | 67.13 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2100 | 100 | 100 |
| Df | 1 | | 200.00 | NetworkDefault | 0.00 | Normal | ✓ | | | Sum of lanes | 1900 | 100 | 100 |
| | 2 | | 200.00 | NetworkDefault | 0.00 | Normal | ✓ | | | Directly entered | 2250 | 100 | 100 |
| Dxp | 1 | ✓ | 46.62 | NetworkDefault | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| | 2 | ✓ | 48.64 | NetworkDefault | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| Ec | 1 | ✓ | 50.09 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2150 | 100 | 100 |
| | 2 | ✓ | 48.43 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2263 | 100 | 100 |
| | 3 | ✓ | 46.77 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2263 | 100 | 100 |
| | 4 | ✓ | 45.11 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2250 | 100 | 100 |
| Ecf | 1 | ✓ | 45.94 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2100 | 100 | 100 |
| | 2 | ✓ | 46.37 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2100 | 100 | 100 |
| | 3 | ✓ | 46.93 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2263 | 100 | 100 |
| | 4 | ✓ | 47.50 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2300 | 100 | 100 |
| | 5 | ✓ | 48.55 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2300 | 100 | 100 |
| Ef | 1 | ✓ | 127.54 | NetworkDefault | 0.00 | Normal | ✓ | | | Directly entered | 1900 | 100 | 100 |
| | 2 | ✓ | 127.54 | NetworkDefault | 0.00 | Normal | ✓ | | | Sum of lanes | 1900 | 100 | 100 |
| Exp | 1 | ✓ | 51.83 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| | 2 | ✓ | 53.71 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| F | 1 | ✓ | 85.13 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2100 | 100 | 100 |
| | 2 | ✓ | 85.72 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2100 | 100 | 100 |
| | 3 | ✓ | 87.25 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2100 | 100 | 100 |
| Fc | 1 | ✓ | 183.21 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2263 | 100 | 100 |
| | 2 | ✓ | 181.45 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2263 | 100 | 100 |
| | 3 | ✓ | 180.28 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2263 | 100 | 100 |
| Ff | 1 | ✓ | 275.73 | CTM | 0.00 | Normal | ✓ | | | Sum of lanes | 1900 | 100 | 100 |
| | 2 | ✓ | 275.39 | CTM | 0.00 | Normal | ✓ | | | Sum of lanes | 1900 | 100 | 100 |
| G | 1 | ✓ | 156.15 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| | 2 | ✓ | 152.60 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Gf** | **1** | ✓ | 38.89 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2050 | 100 | 100 |
| | **2** | ✓ | 38.45 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2050 | 100 | 100 |
| **xA** | **1** | ✓ | 229.66 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2263 | 100 | 100 |
| | **2** | ✓ | 230.01 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2263 | 100 | 100 |
| **xB** | **1** | ✓ | 77.15 | NetworkDefault | 0.00 | Normal | | | | | | 100 | 100 |
| **xC** | **1** | ✓ | 115.60 | CTM | 0.00 | Normal | ✓ | | | Sum of lanes | 1900 | 100 | 100 |
| | **2** | ✓ | 115.98 | CTM | 0.00 | Normal | ✓ | | | Sum of lanes | 1900 | 100 | 100 |
| **xD** | **1** | ✓ | 121.71 | NetworkDefault | 0.00 | Normal | | | | | | 100 | 100 |
| | **2** | ✓ | 122.74 | NetworkDefault | 0.00 | Normal | | | | | | 100 | 100 |
| **xE** | **1** | ✓ | 173.89 | NetworkDefault | 0.00 | Normal | | | | | | 100 | 100 |
| | **2** | ✓ | 173.83 | NetworkDefault | 0.00 | Normal | | | | | | 100 | 100 |
| **xF** | **1** | ✓ | 162.53 | NetworkDefault | 0.00 | Normal | | | | | | 100 | 100 |
| **Cc1** | **1** | ✓ | 96.46 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| **E1** | **1** | | 80.00 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| | **2** | | 80.00 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2200 | 100 | 100 |
| **Gf1** | **1** | ✓ | 47.81 | NetworkDefault | 0.00 | Normal | | | ✓ | | | 100 | 100 |
| **Cc2** | **2** | ✓ | 91.39 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2150 | 100 | 100 |
| | **3** | ✓ | 89.96 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| | **4** | ✓ | 91.32 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2150 | 100 | 100 |
| | **5** | ✓ | 89.00 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| | **6** | ✓ | 88.58 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| **E2** | **3** | ✓ | 53.28 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2150 | 100 | 100 |
| | **4** | ✓ | 54.33 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2050 | 100 | 100 |
| **TC5** | **2** | ✓ | 23.03 | CTM | 0.00 | Normal | ✓ | ✓ | | Sum of lanes | 2263 | 100 | 100 |
| | **3** | ✓ | 23.02 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 2263 | 100 | 100 |
| | **4** | ✓ | 24.43 | CTM | 0.00 | Normal | ✓ | ✓ | | Sum of lanes | 1800 | 100 | 100 |
| **TC9** | **1** | ✓ | 91.71 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 1925 | 100 | 100 |
| | **2** | ✓ | 92.11 | CTM | 0.00 | Normal | ✓ | ✓ | | Sum of lanes | 1966 | 100 | 100 |
| | **3** | ✓ | 92.69 | CTM | 0.00 | Normal | ✓ | ✓ | | Sum of lanes | 1947 | 100 | 100 |
| **TC35** | **1** | ✓ | 24.16 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 1900 | 100 | 100 |
| **TC36** | **1** | ✓ | 25.22 | NetworkDefault | 0.00 | Normal | ✓ | | | Sum of lanes | 1800 | 100 | 100 |
| **TC37** | **1** | ✓ | 44.32 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 1850 | 100 | 100 |
| **TC38** | **1** | ✓ | 21.32 | CTM | 0.00 | Normal | ✓ | | ✓ | Directly entered | 1850 | 100 | 100 |
| **TC39** | **2** | ✓ | 35.24 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2263 | 100 | 100 |
| | **3** | ✓ | 33.28 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 2263 | 100 | 100 |
| **TC40** | **2** | ✓ | 58.74 | PDM | 0.00 | Normal | | | | | | 100 | 100 |
| | **3** | ✓ | 55.82 | PDM | 0.00 | Normal | | | | | | 100 | 100 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TC41** | **1** | ✓ | 54.63 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 1850 | 100 | 100 |
| | **2** | ✓ | 55.07 | CTM | 0.00 | Normal | ✓ | ✓ | | Directly entered | 1850 | 100 | 100 |
| **TC42** | **1** | ✓ | 23.35 | NetworkDefault | 0.00 | Normal | ✓ | ✓ | | Sum of lanes | 1771 | 100 | 100 |
| **TC43** | **1** | ✓ | 52.01 | NetworkDefault | 0.00 | Normal | ✓ | | | Sum of lanes | 1800 | 100 | 100 |
| **47** | **1** | ✓ | 133.63 | CTM | 0.00 | Normal | ✓ | | | Directly entered | 1300 | 100 | 100 |
| **48** | **1** | ✓ | 55.12 | NetworkDefault | 0.00 | Normal | ✓ | | | Sum of lanes | 1965 | 100 | 100 |
| **49** | **1** | ✓ | 26.24 | NetworkDefault | 0.00 | Normal | ✓ | | | Directly entered | 1900 | 100 | 100 |
| | **2** | ✓ | 26.24 | NetworkDefault | 0.00 | Normal | ✓ | | | Directly entered | 1900 | 100 | 100 |
| **50** | **1** | ✓ | 48.15 | NetworkDefault | 0.00 | Normal | ✓ | | | Sum of lanes | 1900 | 100 | 100 |
| **51** | **1** | ✓ | 37.47 | NetworkDefault | 0.00 | Normal | ✓ | | | Sum of lanes | 1900 | 100 | 100 |

# Data entry - Link

# Results - Pedestrian

### Pedestrian Crossings: Pedestrian summary

| Time Segment | Pedestrian crossing | Side | Calculated Flow Entering (Ped/hr) | Degree of saturation (%) | Actual green (s (per cycle)) | Mean Delay Per Ped (s) | Mean max queue (Ped) |
|---|---|---|---|---|---|---|---|
| 07:30-08:30 | 1 | 1 | 0 | 0 | 7 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 7 | 0.00 | 0.00 |
| | 2 | 1 | 0 | 0 | 58 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 58 | 0.00 | 0.00 |
| | 3 | 1 | 0 | 0 | 8 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 8 | 0.00 | 0.00 |
| | 4 | 1 | 0 | 0 | 68 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 68 | 0.00 | 0.00 |
| | 5 | 1 | 0 | 0 | 68 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 68 | 0.00 | 0.00 |
| | 6 | 1 | 0 | 0 | 0 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 0 | 0.00 | 0.00 |
| | 7 | 1 | 0 | 0 | 72 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 72 | 0.00 | 0.00 |
| | 8 | 1 | 0 | 0 | 0 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 0 | 0.00 | 0.00 |
| | 9 | 1 | 0 | 0 | 34 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 34 | 0.00 | 0.00 |
| | 10 | 1 | 0 | 0 | 36 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 36 | 0.00 | 0.00 |
| | 11 | 1 | 0 | 0 | 60 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 60 | 0.00 | 0.00 |
| | 12 | 1 | 0 | 0 | 58 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 58 | 0.00 | 0.00 |
| | 13 | 1 | 0 | 0 | 10 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 10 | 0.00 | 0.00 |
| | 14 | 1 | 0 | 0 | 100 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 100 | 0.00 | 0.00 |
| | 15 | 1 | 0 | 0 | 11 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 11 | 0.00 | 0.00 |
| | 16 | 1 | 0 | 0 | 8 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 8 | 0.00 | 0.00 |
| | 17 | 1 | 0 | 0 | 5 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 5 | 0.00 | 0.00 |

# Traffic Stream Results

### Traffic Stream Results: Vehicle summary

| Time Segment | Arm | Traffic Stream | Degree of saturation (%) | Practical reserve capacity (%) | Calculated flow entering (PCU/hr) | Calculated sat flow (PCU/hr) | Actual green (s (per cycle)) | Mean Delay per Veh (s) | Mean max queue (PCU) | Utilised storage (%) | Weighted cost of delay (£ per hr) | Weighted cost of stops (£ per hr) | Performance Index (£ per hr) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | 1 | 66 | 36 | 430 | 2050 | 36 | 18.98 | 8.00 | 61.76 | 32.19 | 12.16 | 44.34 |
| | | 2 | 26 | 252 | 166 | 2050 | 36 | 11.32 | 2.41 | 18.06 | 7.41 | 3.49 | 10.91 |
| | | 3 | 56 | 60 | 366 | 2050 | 36 | 15.28 | 5.49 | 40.18 | 22.06 | 9.20 | 31.26 |
| | | 4 | 83 | 8 | 541 | 2050 | 36 | 28.12 | 11.75 | 84.08 | 60.00 | 18.00 | 78.00 |
| | Ac | 1 | 89 | 1 | 1114 | 2263 | 64 | 20.06 | 12.85 | 77.14 | 88.11 | 18.84 | 106.95 |
| | | 2 | 18 | 388 | 230 | 2263 | 64 | 0.33 | 0.02 | 0.13 | 0.30 | 0.00 | 0.30 |
| | | 3 | 31 | 190 | 387 | 2263 | 64 | 1.21 | 4.79 | 31.30 | 1.85 | 1.93 | 3.78 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07:30-08:30 | Acf | 1 | 59 | 52 | 1343 | 2263 | 120 | 1.16 | 0.43 | 3.58 | 6.14 | 0.00 | 6.14 |
| | | 2 | 17 | 426 | 387 | 2263 | 120 | 0.16 | 0.02 | 0.14 | 0.25 | 0.00 | 0.25 |
| | Af | 1 | 29 | 210 | 596 | 2050 | 120 | 0.36 | 0.06 | 0.64 | 0.85 | 0.00 | 0.85 |
| | | 2 | 18 | 404 | 366 | 2050 | 120 | 0.19 | 0.02 | 0.21 | 0.28 | 0.00 | 0.28 |
| | | 3 | 26 | 241 | 541 | 2050 | 120 | 0.31 | 0.05 | 0.52 | 0.67 | 0.00 | 0.67 |
| | B | 1 | 43 | 111 | 321 | 2050 | 42 | 11.84 | 3.25 | 19.74 | 15.00 | 6.23 | 21.22 |
| | | 2 | 42 | 113 | 330 | 2150 | 42 | 11.74 | 3.33 | 19.70 | 15.29 | 6.39 | 21.68 |
| | | 3 | 52 | 72 | 404 | 2100 | 42 | 30.43 | 6.96 | 40.14 | 48.49 | 13.40 | 61.89 |
| | | 4 | 100 | -10 | 439 | 2050 | 42 | 189.17 | 27.39 | 153.76 | 327.44 | 16.00 | 343.44 |
| | Bc | 1 | 41 | 118 | 396 | 2050 | 54 | 6.48 | 4.91 | 21.35 | 10.12 | 5.30 | 15.42 |
| | | 2 | 56 | 60 | 535 | 2050 | 54 | 7.95 | 7.60 | 33.40 | 16.77 | 7.79 | 24.56 |
| | | 3 | 79 | 13 | 759 | 2050 | 54 | 12.58 | 20.05 | 88.99 | 37.64 | 13.20 | 50.84 |
| | Bcf | 1 | 68 | 32 | 1544 | 2263 | 120 | 1.70 | 0.73 | 6.69 | 10.36 | 0.00 | 10.36 |
| | | 2 | 17 | 415 | 396 | 2263 | 120 | 0.17 | 0.02 | 0.17 | 0.26 | 0.00 | 0.26 |
| | | 3 | 24 | 281 | 535 | 2263 | 120 | 0.25 | 0.04 | 0.34 | 0.52 | 0.00 | 0.52 |
| | | 4 | 34 | 168 | 759 | 2263 | 120 | 0.40 | 2.05 | 18.97 | 1.20 | 0.06 | 1.27 |
| | Bf | 1 | 36 | 149 | 651 | 1800 | 120 | 0.57 | 0.10 | 0.26 | 1.46 | 0.00 | 1.46 |
| | | 2 | 96 | -6 | 843 | 1800 | 120 | 112.06 | 46.35 | 116.67 | 372.50 | 31.39 | 403.89 |
| | C | 1 | 84 | 7 | 528 | 2100 | 34 | 33.73 | 9.76 | 46.34 | 70.25 | 7.24 | 77.49 |
| | | 2 | 75 | 20 | 481 | 2200 | 34 | 27.39 | 7.80 | 36.46 | 51.96 | 5.84 | 57.81 |
| | | 3 | 94 | -4 | 578 | 2050 | 34 | 121.77 | 25.71 | 118.87 | 277.45 | 17.06 | 294.51 |
| | Cf | 1 | 51 | 75 | 1009 | 1965 | 120 | 0.97 | 0.27 | 1.08 | 3.84 | 0.00 | 3.84 |
| | | 2 | 103 | -13 | 596 | 1965 | 120 | 151.04 | 31.96 | 126.00 | 355.09 | 15.57 | 370.66 |
| | D | 1 | 84 | 8 | 515 | 2050 | 34 | 42.70 | 9.19 | 96.10 | 86.72 | 17.48 | 104.20 |
| | | 2 | 100 | -10 | 555 | 1850 | 34 | 113.13 | 20.57 | 215.10 | 247.67 | 26.25 | 273.92 |
| | | 3 | 86 | 5 | 572 | 2250 | 34 | 34.29 | 9.34 | 101.61 | 77.37 | 17.81 | 95.18 |
| | | 4 | 94 | -4 | 636 | 2250 | 34 | 52.15 | 13.61 | 141.19 | 130.84 | 24.83 | 155.67 |
| | Dc | 1 | 74 | 21 | 884 | 2100 | 66 | 12.42 | 7.97 | 91.14 | 43.27 | 15.30 | 58.57 |
| | | 2 | 74 | 21 | 873 | 2100 | 66 | 13.36 | 7.99 | 94.99 | 46.03 | 15.39 | 61.42 |
| | | 3 | 70 | 29 | 668 | 2100 | 66 | 10.81 | 6.51 | 80.68 | 28.50 | 15.43 | 43.93 |
| | | 4 | 100 | -10 | 800 | 2100 | 66 | 80.82 | 20.62 | 266.42 | 255.14 | 27.07 | 282.21 |
| | Dcf | 1 | 45 | 102 | 913 | 2050 | 120 | 0.70 | 0.18 | 1.56 | 2.53 | 0.00 | 2.53 |
| | | 2 | 10 | 821 | 205 | 2100 | 120 | 0.09 | 0.01 | 0.05 | 0.08 | 0.00 | 0.08 |
| | | 3 | 57 | 57 | 884 | 2100 | 120 | 3.08 | 7.39 | 64.04 | 10.72 | 5.72 | 16.44 |
| | | 4 | 59 | 52 | 873 | 2100 | 120 | 4.13 | 7.39 | 63.79 | 14.23 | 6.31 | 20.54 |
| | | 5 | 32 | 179 | 668 | 2100 | 120 | 0.46 | 2.40 | 20.62 | 1.21 | 0.56 | 1.77 |
| | | 6 | 100 | -10 | 800 | 2100 | 120 | 87.28 | 24.92 | 213.46 | 275.53 | 32.37 | 307.90 |
| | Df | 1 | 105 | -14 | 1120 | 1900 | 120 | 117.07 | 50.48 | 145.12 | 517.19 | 29.49 | 546.68 |
| | | 2 | 61 | 47 | 1208 | 2250 | 120 | 2.18 | 5.51 | 15.84 | 10.40 | 3.13 | 13.53 |
| | Dxp | 1 | 57 | 59 | 989 | 2050 | 101 | 1.66 | 1.75 | 21.58 | 6.46 | 1.50 | 7.97 |
| | | 2 | 12 | 646 | 210 | 2050 | 101 | 0.27 | 0.14 | 1.60 | 0.22 | 0.11 | 0.34 |
| | Ec | 1 | 65 | 39 | 832 | 2150 | 70 | 9.12 | 7.18 | 82.46 | 29.95 | 13.28 | 43.24 |
| | | 2 | 90 | 0 | 1223 | 2263 | 70 | 16.40 | 10.73 | 127.40 | 79.13 | 20.28 | 99.41 |
| | | 3 | 98 | -8 | 1336 | 2263 | 70 | 41.78 | 20.00 | 245.84 | 220.07 | 35.68 | 255.75 |
| | | 4 | 47 | 91 | 635 | 2250 | 70 | 11.23 | 7.11 | 90.62 | 28.13 | 13.66 | 41.78 |
| | Ecf | 1 | 46 | 94 | 968 | 2100 | 120 | 0.80 | 4.87 | 60.95 | 3.06 | 0.63 | 3.68 |
| | | 2 | 63 | 44 | 1304 | 2100 | 120 | 1.59 | 5.40 | 66.95 | 8.19 | 1.46 | 9.64 |
| | | 3 | 70 | 28 | 1223 | 2263 | 120 | 5.96 | 7.13 | 87.33 | 28.75 | 13.01 | 41.76 |
| | | 4 | 86 | 4 | 1336 | 2300 | 120 | 12.85 | 9.41 | 113.95 | 67.71 | 18.31 | 86.02 |
| | | 5 | 38 | 135 | 673 | 2300 | 120 | 5.04 | 5.05 | 59.84 | 13.38 | 7.78 | 21.16 |
| | Ef | 1 | 108 | -17 | 907 | 1900 | 120 | 173.69 | 54.15 | 244.12 | 621.39 | 27.04 | 648.42 |
| | | 2 | 27 | 236 | 509 | 1900 | 120 | 0.35 | 0.05 | 0.22 | 0.70 | 0.00 | 0.70 |
| | Exp | 1 | 56 | 60 | 968 | 2050 | 100 | 1.87 | 5.05 | 56.01 | 7.15 | 2.57 | 9.72 |
| | | 2 | 27 | 229 | 472 | 2050 | 100 | 1.07 | 2.37 | 25.38 | 1.98 | 1.25 | 3.23 |
| | F | 1 | 98 | -9 | 310 | 2100 | 16 | 108.73 | 11.96 | 80.79 | 132.95 | 18.97 | 151.92 |
| | | 2 | 98 | -9 | 310 | 2100 | 16 | 108.73 | 11.96 | 80.23 | 132.95 | 18.97 | 151.92 |
| | | 3 | 103 | -12 | 324 | 2100 | 16 | 245.63 | 24.95 | 164.46 | 313.92 | 30.42 | 344.35 |
| | | 1 | 89 | 1 | 1440 | 2263 | 84 | 10.31 | 9.16 | 28.76 | 58.57 | 8.33 | 66.90 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Fc | 2 | 92 | -3 | 1367 | 2263 | 84 | 20.21 | 30.34 | 96.15 | 108.97 | 16.18 | 125.16 |
| | | 3 | 73 | 24 | 1172 | 2263 | 84 | 6.68 | 22.06 | 70.35 | 30.87 | 12.46 | 43.33 |
| | Ff | 1 | 33 | 176 | 620 | 1900 | 120 | 0.46 | 0.08 | 0.16 | 1.12 | 0.00 | 1.12 |
| | | 2 | 25 | 258 | 324 | 1900 | 120 | 3.00 | 1.49 | 3.11 | 3.83 | 0.83 | 4.66 |
| | G | 1 | 50 | 80 | 280 | 2050 | 32 | 39.25 | 4.91 | 18.10 | 43.35 | 5.06 | 48.41 |
| | | 2 | 48 | 89 | 267 | 2050 | 32 | 43.85 | 5.06 | 19.05 | 46.19 | 9.37 | 55.55 |
| | Gf | 1 | 13 | 607 | 261 | 2050 | 120 | 0.13 | 2.33 | 34.47 | 0.14 | 0.04 | 0.18 |
| | | 2 | 12 | 644 | 248 | 2050 | 120 | 0.13 | 2.33 | 34.85 | 0.12 | 0.04 | 0.16 |
| | xA | 1 | 75 | 21 | 1607 | 2263 | 120 | 2.87 | 8.06 | 20.17 | 18.16 | 5.05 | 23.21 |
| | | 2 | 72 | 25 | 1577 | 2263 | 120 | 2.74 | 33.40 | 83.49 | 17.07 | 5.59 | 22.66 |
| | xB | 1 | 0 | Unrestricted | 1544 | Unrestricted | 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | xC | 1 | 48 | 88 | 494 | 1900 | 120 | 6.86 | 7.21 | 35.88 | 13.35 | 9.14 | 22.50 |
| | | 2 | 46 | 96 | 481 | 1900 | 120 | 6.36 | 7.19 | 35.64 | 12.06 | 9.04 | 21.10 |
| | xD | 1 | 0 | Unrestricted | 989 | Unrestricted | 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 0 | Unrestricted | 210 | Unrestricted | 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | xE | 1 | 0 | Unrestricted | 968 | Unrestricted | 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 0 | Unrestricted | 472 | Unrestricted | 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | xF | 1 | 0 | Unrestricted | 883 | Unrestricted | 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Cc1 | 1 | 40 | 123 | 427 | 2050 | 60 | 6.09 | 2.66 | 15.88 | 10.27 | 3.81 | 14.08 |
| | E1 | 1 | 58 | 54 | 299 | 2050 | 28 | 36.37 | 5.37 | 38.60 | 42.86 | 10.33 | 53.18 |
| | | 2 | 98 | -8 | 537 | 2200 | 28 | 124.14 | 22.32 | 160.41 | 263.19 | 32.98 | 296.18 |
| | Gf1 | 1 | 6 | 1482 | 38 | 668 | 120 | 2.19 | 0.33 | 3.96 | 0.33 | 0.47 | 0.80 |
| | Cc2 | 2 | 80 | 13 | 825 | 2150 | 58 | 17.70 | 15.03 | 94.57 | 57.56 | 10.41 | 67.97 |
| | | 3 | 38 | 135 | 392 | 2050 | 58 | 3.97 | 1.65 | 10.55 | 6.14 | 1.08 | 7.22 |
| | | 4 | 60 | 49 | 649 | 2150 | 58 | 17.87 | 9.41 | 59.23 | 45.72 | 9.46 | 55.18 |
| | | 5 | 44 | 104 | 452 | 2050 | 58 | 15.53 | 6.27 | 40.51 | 27.69 | 7.61 | 35.30 |
| | | 6 | 100 | -10 | 439 | 2050 | 58 | 155.06 | 23.49 | 152.46 | 268.40 | 24.22 | 292.62 |
| | E2 | 3 | 49 | 82 | 261 | 2150 | 28 | 22.67 | 3.65 | 39.38 | 23.34 | 7.02 | 30.36 |
| | | 4 | 48 | 86 | 248 | 2050 | 28 | 22.48 | 3.46 | 36.66 | 21.99 | 6.66 | 28.66 |
| | TC5 | 2 | 56 | 61 | 1068 | 2263 | 99 | 2.15 | 3.02 | 75.46 | 9.04 | 1.14 | 10.18 |
| | | 3 | 83 | 9 | 1577 | 2263 | 99 | 4.90 | 4.86 | 121.35 | 30.45 | 1.81 | 32.26 |
| | | 4 | 0 | Unrestricted | 0 | 1800 | 11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | TC9 | 1 | 36 | 151 | 501 | 1925 | 84 | 6.86 | 5.92 | 37.14 | 13.55 | 2.10 | 15.65 |
| | | 2 | 25 | 258 | 358 | 1966 | 84 | 5.98 | 3.72 | 23.23 | 8.44 | 1.40 | 9.84 |
| | | 3 | 32 | 180 | 454 | 1947 | 84 | 6.52 | 5.01 | 31.06 | 11.68 | 1.88 | 13.56 |
| | TC35 | 1 | 34 | 167 | 539 | 1900 | 99 | 2.58 | 2.98 | 71.00 | 5.48 | 1.26 | 6.74 |
| | TC36 | 1 | 13 | 601 | 231 | 1800 | 120 | 0.15 | 0.01 | 0.22 | 0.13 | 0.00 | 0.13 |
| | TC37 | 1 | 3 | 3487 | 41 | 1850 | 105 | 0.90 | 0.16 | 2.07 | 0.15 | 0.17 | 0.31 |
| | TC38 | 1 | 20 | 358 | 41 | 209 | 120 | 11.49 | 2.44 | 65.79 | 1.86 | 1.01 | 2.87 |
| | TC39 | 2 | 47 | 91 | 1068 | 2263 | 120 | 0.71 | 0.21 | 3.43 | 2.99 | 0.00 | 2.99 |
| | | 3 | 70 | 29 | 1577 | 2263 | 120 | 1.82 | 0.80 | 13.78 | 11.33 | 0.00 | 11.33 |
| | TC40 | 2 | 0 | Unrestricted | 1109 | Unrestricted | 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 3 | 0 | Unrestricted | 1577 | Unrestricted | 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | TC41 | 1 | 77 | 17 | 95 | 1850 | 7 | 98.25 | 4.15 | 43.65 | 36.82 | 4.23 | 41.05 |
| | | 2 | 77 | 17 | 95 | 1850 | 7 | 98.25 | 4.15 | 43.30 | 36.82 | 4.23 | 41.05 |
| | TC42 | 1 | 0 | -100 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | TC43 | 1 | 0 | Unrestricted | 0 | 1800 | 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 47 | 1 | 75 | 20 | 974 | 1300 | 120 | 4.10 | 1.11 | 4.77 | 15.75 | 0.00 | 15.75 |
| | 48 | 1 | 82 | 10 | 1605 | 1965 | 120 | 4.03 | 1.79 | 18.72 | 25.49 | 0.00 | 25.49 |
| | 49 | 1 | 26 | 241 | 501 | 1900 | 120 | 0.34 | 0.05 | 1.03 | 0.67 | 0.00 | 0.67 |
| | | 2 | 43 | 111 | 812 | 1900 | 120 | 0.71 | 0.16 | 3.49 | 2.26 | 0.00 | 2.26 |
| | 50 | 1 | 132 | -32 | 1968 | 1900 | 120 | 440.66 | 262.96 | 3140.45 | 3420.67 | 66.60 | 3487.27 |
| | 51 | 1 | 50 | 81 | 944 | 1900 | 120 | 0.93 | 0.24 | 3.76 | 3.48 | 0.00 | 3.48 |

## Traffic Stream Results: Flows and signals

| Time Segment | Arm | Traffic Stream | Calculated flow entering (PCU/hr) | Calculated flow out (PCU/hr) | Flow discrepancy (PCU/hr) | Adjusted flow warning | Calculated sat flow (PCU/hr) | Calculated capacity (PCU/hr) | Degree of saturation (%) | DOS Threshold exceeded | Practical reserve capacity (%) | Mean modulus of error | Actual green (s (per cycle)) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | 1 | 430 | 430 | 0 | | 2050 | 649 | 66 | | 36 | 0.65 | 36 |
| | 2 | 166 | 166 | -2 | ✓ | 2050 | 649 | 26 | | 252 | 0.61 | 36 |
| | 3 | 366 | 366 | 0 | | 2050 | 649 | 56 | | 60 | 0.54 | 36 |
| | 4 | 541 | 541 | -1 | | 2050 | 649 | 83 | | 8 | 0.65 | 36 |
| Ac | 1 | 1114 | 1114 | 41 | ✓ | 2263 | 1245 | 89 | | 1 | 0.94 | 64 |
| | 2 | 230 | 230 | 0 | | 2263 | 1245 | 18 | | 388 | 1.67 | 64 |
| | 3 | 387 | 387 | 14 | ✓ | 2263 | 1245 | 31 | | 190 | 1.33 | 64 |
| Acf | 1 | 1343 | 1343 | 42 | ✓ | 2263 | 2263 | 59 | | 52 | 0.65 | 120 |
| | 2 | 387 | 387 | 14 | ✓ | 2263 | 2263 | 17 | | 426 | 1.33 | 120 |
| Af | 1 | 596 | 596 | -2 | ✓ | 2050 | 2050 | 29 | | 210 | 0.64 | 120 |
| | 2 | 366 | 366 | 0 | | 2050 | 2050 | 18 | | 404 | 0.54 | 120 |
| | 3 | 541 | 541 | -1 | | 2050 | 2050 | 26 | | 241 | 0.65 | 120 |
| B | 1 | 321 | 321 | 101 | ✓ | 2050 | 752 | 43 | | 111 | 0.36 | 42 |
| | 2 | 330 | 330 | 105 | ✓ | 2150 | 783 | 42 | | 113 | 0.36 | 42 |
| | 3 | 404 | 404 | 128 | ✓ | 2100 | 770 | 52 | | 72 | 0.96 | 42 |
| | 4 | 439 | 439 | 139 | ✓ | 2050 | 439 | 100 | ✓ | -10 | 0.96 | 42 |
| Bc | 1 | 396 | 396 | -1 | ✓ | 2050 | 957 | 41 | | 118 | 1.36 | 54 |
| | 2 | 535 | 535 | 6 | ✓ | 2050 | 950 | 56 | | 60 | 1.05 | 54 |
| | 3 | 759 | 759 | 6 | ✓ | 2050 | 957 | 79 | | 13 | 1.03 | 54 |
| Bcf | 1 | 1544 | 1544 | 41 | ✓ | 2263 | 2263 | 68 | | 32 | 0.51 | 120 |
| | 2 | 396 | 396 | -1 | ✓ | 2263 | 2263 | 17 | | 415 | 1.36 | 120 |
| | 3 | 535 | 535 | 6 | ✓ | 2263 | 2263 | 24 | | 281 | 1.05 | 120 |
| | 4 | 759 | 759 | 6 | ✓ | 2263 | 2259 | 34 | | 168 | 1.03 | 120 |
| Bf | 1 | 651 | 651 | 206 | ✓ | 1800 | 1800 | 36 | | 149 | 0.36 | 120 |
| | 2 | 843 | 843 | 267 | ✓ | 1800 | 882 | 96 | ✓ | -6 | 0.36 | 120 |
| C | 1 | 528 | 528 | 0 | | 2100 | 630 | 84 | | 7 | 0.00 | 34 |
| | 2 | 481 | 481 | 0 | | 2200 | 640 | 75 | | 20 | 0.00 | 34 |
| | 3 | 578 | 578 | 18 | ✓ | 2050 | 615 | 94 | ✓ | -4 | 1.07 | 34 |
| Cf | 1 | 1009 | 1009 | 0 | | 1965 | 1965 | 51 | | 75 | 0.00 | 120 |
| | 2 | 596 | 578 | 0 | | 1965 | 578 | 103 | ✓ | -13 | 0.00 | 120 |
| D | 1 | 515 | 515 | 24 | ✓ | 2050 | 615 | 84 | | 8 | 0.78 | 34 |
| | 2 | 555 | 555 | 26 | ✓ | 1850 | 555 | 100 | ✓ | -10 | 0.78 | 34 |
| | 3 | 572 | 572 | 0 | | 2250 | 666 | 86 | | 5 | 0.18 | 34 |
| | 4 | 636 | 636 | 0 | | 2250 | 675 | 94 | ✓ | -4 | 0.18 | 34 |
| Dc | 1 | 884 | 884 | 99 | ✓ | 2100 | 1189 | 74 | | 21 | 0.76 | 66 |
| | 2 | 873 | 873 | 17 | ✓ | 2100 | 1175 | 74 | | 21 | 0.68 | 66 |
| | 3 | 668 | 668 | 118 | ✓ | 2100 | 959 | 70 | | 29 | 0.74 | 66 |
| | 4 | 800 | 800 | 151 | ✓ | 2100 | 800 | 100 | ✓ | -10 | 0.77 | 66 |
| Dcf | 1 | 913 | 913 | 96 | ✓ | 2050 | 2050 | 45 | | 102 | 0.98 | 120 |
| | 2 | 205 | 205 | 12 | ✓ | 2100 | 2100 | 10 | | 821 | 1.48 | 120 |
| | 3 | 884 | 884 | 99 | ✓ | 2100 | 1544 | 57 | | 57 | 0.82 | 120 |
| | 4 | 873 | 873 | 17 | ✓ | 2100 | 1474 | 59 | | 52 | 0.85 | 120 |
| | 5 | 668 | 668 | 118 | ✓ | 2100 | 2071 | 32 | | 179 | 0.75 | 120 |
| | 6 | 800 | 800 | 151 | ✓ | 2100 | 800 | 100 | ✓ | -10 | 0.71 | 120 |
| Df | 1 | 1120 | 1070 | 0 | | 1900 | 1070 | 105 | ✓ | -14 | 0.00 | 120 |
| | 2 | 1208 | 1208 | 0 | | 2250 | 1978 | 61 | | 47 | 0.00 | 120 |
| Dxp | 1 | 989 | 989 | 19 | ✓ | 2050 | 1743 | 57 | | 59 | 0.88 | 101 |
| | 2 | 210 | 210 | 7 | ✓ | 2050 | 1743 | 12 | | 646 | 1.27 | 101 |
| Ec | 1 | 832 | 832 | 17 | ✓ | 2150 | 1290 | 65 | | 39 | 0.56 | 70 |
| | 2 | 1223 | 1223 | 144 | ✓ | 2263 | 1358 | 90 | ✓ | 0 | 0.66 | 70 |
| | 3 | 1336 | 1336 | 149 | ✓ | 2263 | 1358 | 98 | ✓ | -8 | 0.63 | 70 |
| | 4 | 635 | 635 | 1 | ✓ | 2250 | 1350 | 47 | | 91 | 1.07 | 70 |
| Ecf | 1 | 968 | 968 | 103 | ✓ | 2100 | 2091 | 46 | | 94 | 0.90 | 120 |
| | 2 | 1304 | 1304 | 37 | ✓ | 2100 | 2083 | 63 | | 44 | 0.48 | 120 |
| | 3 | 1223 | 1223 | 144 | ✓ | 2263 | 1740 | 70 | | 28 | 0.57 | 120 |
| | 4 | 1336 | 1336 | 149 | ✓ | 2300 | 1546 | 86 | | 4 | 0.57 | 120 |
| | 5 | 673 | 673 | 1 | ✓ | 2300 | 1757 | 38 | | 135 | 1.29 | 120 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07:30-08:30 | Ef | 1 | 907 | 836 | 0 | | 1900 | 836 | 108 | ✓ | -17 | 0.00 | 120 |
| | | 2 | 509 | 509 | 0 | | 1900 | 1900 | 27 | | 236 | 0.00 | 120 |
| | Exp | 1 | 968 | 968 | 103 | ✓ | 2050 | 1725 | 56 | | 60 | 0.89 | 100 |
| | | 2 | 472 | 472 | 21 | ✓ | 2050 | 1725 | 27 | | 229 | 0.64 | 100 |
| | F | 1 | 310 | 310 | -1 | | 2100 | 315 | 98 | ✓ | -9 | 0.00 | 16 |
| | | 2 | 310 | 310 | -1 | ✓ | 2100 | 315 | 98 | ✓ | -9 | 0.00 | 16 |
| | | 3 | 324 | 315 | -1 | ✓ | 2100 | 315 | 103 | ✓ | -12 | 0.39 | 16 |
| | Fc | 1 | 1440 | 1440 | 162 | ✓ | 2263 | 1622 | 89 | | 1 | 0.60 | 84 |
| | | 2 | 1367 | 1367 | 152 | ✓ | 2263 | 1480 | 92 | ✓ | -3 | 0.75 | 84 |
| | | 3 | 1172 | 1172 | 47 | ✓ | 2263 | 1613 | 73 | | 24 | 0.91 | 84 |
| | Ff | 1 | 620 | 620 | -1 | ✓ | 1900 | 1900 | 33 | | 176 | 0.00 | 120 |
| | | 2 | 324 | 324 | -1 | ✓ | 1900 | 1288 | 25 | | 258 | 0.00 | 120 |
| | G | 1 | 280 | 280 | 0 | | 2050 | 561 | 50 | | 80 | 1.45 | 32 |
| | | 2 | 267 | 267 | 0 | | 2050 | 561 | 48 | | 89 | 1.45 | 32 |
| | Gf | 1 | 261 | 261 | 0 | | 2050 | 2049 | 13 | | 607 | 1.50 | 120 |
| | | 2 | 248 | 248 | 0 | | 2050 | 2049 | 12 | | 644 | 1.50 | 120 |
| | xA | 1 | 1607 | 1607 | 155 | ✓ | 2263 | 2155 | 75 | | 21 | 0.43 | 120 |
| | | 2 | 1577 | 1577 | 157 | ✓ | 2263 | 2185 | 72 | | 25 | 0.56 | 120 |
| | xB | 1 | 1544 | 1544 | 41 | ✓ | Unrestricted | Unrestricted | 0 | | Unrestricted | 0.37 | 120 |
| | xC | 1 | 494 | 494 | 4 | ✓ | 1900 | 1029 | 48 | | 88 | 1.19 | 120 |
| | | 2 | 481 | 481 | 5 | ✓ | 1900 | 1046 | 46 | | 96 | 1.18 | 120 |
| | xD | 1 | 989 | 989 | 19 | ✓ | Unrestricted | Unrestricted | 0 | | Unrestricted | 0.78 | 120 |
| | | 2 | 210 | 210 | 7 | ✓ | Unrestricted | Unrestricted | 0 | | Unrestricted | 1.03 | 120 |
| | xE | 1 | 968 | 968 | 103 | ✓ | Unrestricted | Unrestricted | 0 | | Unrestricted | 0.73 | 120 |
| | | 2 | 472 | 472 | 21 | ✓ | Unrestricted | Unrestricted | 0 | | Unrestricted | 0.54 | 120 |
| | xF | 1 | 883 | 883 | 21 | ✓ | Unrestricted | Unrestricted | 0 | | Unrestricted | 0.68 | 120 |
| | Cc1 | 1 | 427 | 427 | 10 | ✓ | 2050 | 1059 | 40 | | 123 | 1.26 | 60 |
| | E1 | 1 | 299 | 299 | 25 | ✓ | 2050 | 513 | 58 | | 54 | 0.95 | 28 |
| | | 2 | 537 | 537 | 46 | ✓ | 2200 | 550 | 98 | ✓ | -8 | 0.95 | 28 |
| | Gf1 | 1 | 38 | 38 | 0 | | 668 | 668 | 6 | | 1482 | 1.07 | 120 |
| | Cc2 | 2 | 825 | 825 | 96 | ✓ | 2150 | 1036 | 80 | | 13 | 0.86 | 58 |
| | | 3 | 392 | 392 | 17 | ✓ | 2050 | 1025 | 38 | | 135 | 1.03 | 58 |
| | | 4 | 649 | 649 | 111 | ✓ | 2150 | 1075 | 60 | | 49 | 0.77 | 58 |
| | | 5 | 452 | 452 | 111 | ✓ | 2050 | 1025 | 44 | | 104 | 1.14 | 58 |
| | | 6 | 439 | 439 | 139 | ✓ | 2050 | 439 | 100 | ✓ | -10 | 1.38 | 58 |
| | E2 | 3 | 261 | 261 | 0 | | 2150 | 528 | 49 | | 82 | 0.00 | 28 |
| | | 4 | 248 | 248 | 0 | | 2050 | 513 | 48 | | 86 | 0.00 | 28 |
| | TC5 | 2 | 1068 | 1068 | 106 | ✓ | 2263 | 1905 | 56 | | 61 | 0.49 | 99 |
| | | 3 | 1577 | 1577 | 157 | ✓ | 2263 | 1905 | 83 | | 9 | 0.56 | 99 |
| | | 4 | 0 | 0 | 0 | | 1800 | 180 | 0 | | Unrestricted | 0.00 | 11 |
| | TC9 | 1 | 501 | 501 | -1 | | 1925 | 1396 | 36 | | 151 | 0.00 | 84 |
| | | 2 | 358 | 358 | 0 | | 1966 | 1425 | 25 | | 258 | 0.00 | 84 |
| | | 3 | 454 | 454 | -1 | | 1947 | 1412 | 32 | | 180 | 0.00 | 84 |
| | TC35 | 1 | 539 | 539 | 49 | ✓ | 1900 | 1599 | 34 | | 167 | 0.68 | 99 |
| | TC36 | 1 | 231 | 231 | -1 | ✓ | 1800 | 1800 | 13 | | 601 | 0.00 | 120 |
| | TC37 | 1 | 41 | 41 | 0 | | 1850 | 1634 | 3 | | 3487 | 0.00 | 105 |
| | TC38 | 1 | 41 | 41 | 0 | | 209 | 209 | 20 | | 358 | 0.23 | 120 |
| | TC39 | 2 | 1068 | 1068 | 106 | ✓ | 2263 | 2263 | 47 | | 91 | 0.56 | 120 |
| | | 3 | 1577 | 1577 | 157 | ✓ | 2263 | 2263 | 70 | | 29 | 0.58 | 120 |
| | TC40 | 2 | 1109 | 1109 | 106 | ✓ | Unrestricted | Unrestricted | 0 | | Unrestricted | 0.43 | 120 |
| | | 3 | 1577 | 1577 | 157 | ✓ | Unrestricted | Unrestricted | 0 | | Unrestricted | 0.53 | 120 |
| | TC41 | 1 | 95 | 95 | -1 | ✓ | 1850 | 123 | 77 | | 17 | 0.00 | 7 |
| | | 2 | 95 | 95 | -1 | | 1850 | 123 | 77 | | 17 | 0.00 | 7 |
| | TC42 | 1 | 0 | 0 | 0 | | 0 | 0 | 0 | | -100 | 0.00 | 0 |
| | TC43 | 1 | 0 | 0 | 0 | | 1800 | 1800 | 0 | | Unrestricted | 0.00 | 120 |
| | 47 | 1 | 974 | 974 | 10 | ✓ | 1300 | 1300 | 75 | | 20 | 0.48 | 120 |
| | 48 | 1 | 1605 | 1605 | 0 | | 1965 | 1965 | 82 | | 10 | 0.00 | 120 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 49 | 1 | 501 | 501 | -1 | | 1900 | 1900 | 26 | | 241 | 0.00 | 120 |
| | | 2 | 812 | 812 | -1 | | 1900 | 1900 | 43 | | 111 | 0.00 | 120 |
| | 50 | 1 | 1968 | 1494 | -1 | | 1900 | 1494 | 132 | ✓ | -32 | 0.00 | 120 |
| | 51 | 1 | 944 | 944 | -2 | ✓ | 1900 | 1900 | 50 | | 81 | 0.00 | 120 |

## Traffic Stream Results: Stops and delays

| Time Segment | Arm | Traffic Stream | Mean Cruise Time per Veh (s) | Mean Delay per Veh (s) | Total delay (PCU-hr/hr) | Weighted cost of delay (£ per hr) | Mean stops per Veh (%) | Total stops (Stops per hr) | Weighted cost of stops (£ per hr) |
|---|---|---|---|---|---|---|---|---|---|
| | A | 1 | 5.59 | 18.98 | 2.27 | 32.19 | 88.09 | 378.79 | 12.16 |
| | | 2 | 5.77 | 11.32 | 0.52 | 7.41 | 65.57 | 108.84 | 3.49 |
| | | 3 | 5.90 | 15.28 | 1.55 | 22.06 | 78.32 | 286.66 | 9.20 |
| | | 4 | 6.03 | 28.12 | 4.23 | 60.00 | 103.64 | 560.69 | 18.00 |
| | Ac | 1 | 7.19 | 20.06 | 6.21 | 88.11 | 52.70 | 586.95 | 18.84 |
| | | 2 | 9.50 | 0.33 | 0.02 | 0.30 | 0.00 | 0.00 | 0.00 |
| | | 3 | 6.60 | 1.21 | 0.13 | 1.85 | 15.54 | 60.14 | 1.93 |
| | Acf | 1 | 5.22 | 1.16 | 0.43 | 6.14 | 0.00 | 0.00 | 0.00 |
| | | 2 | 7.24 | 0.16 | 0.02 | 0.25 | 0.00 | 0.00 | 0.00 |
| | Af | 1 | 6.42 | 0.36 | 0.06 | 0.85 | 0.00 | 0.00 | 0.00 |
| | | 2 | 6.36 | 0.19 | 0.02 | 0.28 | 0.00 | 0.00 | 0.00 |
| | | 3 | 6.33 | 0.31 | 0.05 | 0.67 | 0.00 | 0.00 | 0.00 |
| | B | 1 | 7.10 | 11.84 | 1.06 | 15.00 | 60.40 | 193.96 | 6.23 |
| | | 2 | 7.29 | 11.74 | 1.08 | 15.29 | 60.27 | 199.05 | 6.39 |
| | | 3 | 7.48 | 30.43 | 3.41 | 48.49 | 103.35 | 417.43 | 13.40 |
| | | 4 | 12.29 | 189.17 | 23.06 | 327.44 | 290.74 | 1275.88 | 16.00 |
| | Bc | 1 | 9.93 | 6.48 | 0.71 | 10.12 | 41.70 | 164.99 | 5.30 |
| | | 2 | 9.82 | 7.95 | 1.18 | 16.77 | 45.34 | 242.65 | 7.79 |
| | | 3 | 9.71 | 12.58 | 2.65 | 37.64 | 54.18 | 411.09 | 13.20 |
| | Bcf | 1 | 4.17 | 1.70 | 0.73 | 10.36 | 0.00 | 0.00 | 0.00 |
| | | 2 | 5.12 | 0.17 | 0.02 | 0.26 | 0.00 | 0.00 | 0.00 |
| | | 3 | 5.76 | 0.25 | 0.04 | 0.52 | 0.00 | 0.00 | 0.00 |
| | | 4 | 5.83 | 0.40 | 0.08 | 1.20 | 0.34 | 2.55 | 0.06 |
| | Bf | 1 | 27.34 | 0.57 | 0.10 | 1.46 | 0.00 | 0.00 | 0.00 |
| | | 2 | 27.41 | 112.06 | 26.23 | 372.50 | 297.08 | 2503.68 | 31.39 |
| | C | 1 | 14.54 | 33.73 | 4.95 | 70.25 | 109.32 | 577.21 | 7.24 |
| | | 2 | 14.77 | 27.39 | 3.66 | 51.96 | 96.89 | 466.02 | 5.84 |
| | | 3 | 14.92 | 121.77 | 19.54 | 277.45 | 235.56 | 1360.67 | 17.06 |
| | Cf | 1 | 17.35 | 0.97 | 0.27 | 3.84 | 0.00 | 0.00 | 0.00 |
| | | 2 | 17.50 | 151.04 | 25.01 | 355.09 | 215.00 | 1241.89 | 15.57 |
| | D | 1 | 4.13 | 42.70 | 6.11 | 86.72 | 105.76 | 544.54 | 17.48 |
| | | 2 | 4.13 | 113.13 | 17.44 | 247.67 | 147.33 | 817.66 | 26.25 |
| | | 3 | 3.97 | 34.29 | 5.45 | 77.37 | 96.99 | 554.76 | 17.81 |
| | | 4 | 4.16 | 52.15 | 9.21 | 130.84 | 121.64 | 773.65 | 24.83 |
| | Dc | 1 | 3.77 | 12.42 | 3.05 | 43.27 | 53.94 | 476.65 | 15.30 |
| | | 2 | 3.63 | 13.36 | 3.24 | 46.03 | 54.91 | 479.52 | 15.39 |
| | | 3 | 3.48 | 10.81 | 2.01 | 28.50 | 71.95 | 480.73 | 15.43 |
| | | 4 | 3.34 | 80.82 | 17.97 | 255.14 | 105.39 | 843.48 | 27.07 |
| | Dcf | 1 | 4.95 | 0.70 | 0.18 | 2.53 | 0.00 | 0.00 | 0.00 |
| | | 2 | 4.94 | 0.09 | 0.01 | 0.08 | 0.00 | 0.00 | 0.00 |
| | | 3 | 4.98 | 3.08 | 0.76 | 10.72 | 20.17 | 178.21 | 5.72 |
| | | 4 | 4.99 | 4.13 | 1.00 | 14.23 | 22.52 | 196.64 | 6.31 |
| | | 5 | 5.02 | 0.46 | 0.08 | 1.21 | 2.61 | 17.46 | 0.56 |
| | | 6 | 5.04 | 87.28 | 19.40 | 275.53 | 126.02 | 1008.55 | 32.37 |
| | Df | 1 | 24.00 | 117.07 | 36.42 | 517.19 | 219.83 | 2351.94 | 29.49 |
| | | 2 | 24.00 | 2.18 | 0.73 | 10.40 | 20.64 | 249.32 | 3.13 |
| | Dxp | 1 | 3.50 | 1.66 | 0.46 | 6.46 | 4.73 | 46.78 | 1.50 |
| | | 2 | 3.65 | 0.27 | 0.02 | 0.22 | 1.65 | 3.47 | 0.11 |
| | | 1 | 3.76 | 9.12 | 2.11 | 29.95 | 49.71 | 413.76 | 13.28 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 07:30-08:30 | Ec | 2 | 3.63 | 16.40 | 5.57 | 79.13 | 51.64 | 631.68 | 20.28 |
| | | 3 | 3.51 | 41.78 | 15.50 | 220.07 | 83.23 | 1111.50 | 35.68 |
| | | 4 | 3.38 | 11.23 | 1.98 | 28.13 | 67.01 | 425.41 | 13.66 |
| | Ecf | 1 | 3.45 | 0.80 | 0.22 | 3.06 | 2.01 | 19.49 | 0.63 |
| | | 2 | 3.48 | 1.59 | 0.58 | 8.19 | 3.48 | 45.36 | 1.46 |
| | | 3 | 3.52 | 5.96 | 2.02 | 28.75 | 33.14 | 405.36 | 13.01 |
| | | 4 | 3.56 | 12.85 | 4.77 | 67.71 | 42.71 | 570.44 | 18.31 |
| | | 5 | 3.64 | 5.04 | 0.94 | 13.38 | 36.01 | 242.25 | 7.78 |
| | Ef | 1 | 15.31 | 173.69 | 43.76 | 621.39 | 257.87 | 2156.28 | 27.04 |
| | | 2 | 15.31 | 0.35 | 0.05 | 0.70 | 0.00 | 0.00 | 0.00 |
| | Exp | 1 | 3.89 | 1.87 | 0.50 | 7.15 | 8.27 | 80.07 | 2.57 |
| | | 2 | 4.03 | 1.07 | 0.14 | 1.98 | 8.23 | 38.81 | 1.25 |
| | F | 1 | 6.38 | 108.73 | 9.36 | 132.95 | 190.67 | 591.07 | 18.97 |
| | | 2 | 6.43 | 108.73 | 9.36 | 132.95 | 190.67 | 591.07 | 18.97 |
| | | 3 | 6.54 | 245.63 | 22.11 | 313.92 | 300.91 | 947.86 | 30.42 |
| | Fc | 1 | 19.11 | 10.31 | 4.12 | 58.57 | 34.75 | 500.40 | 8.33 |
| | | 2 | 18.70 | 20.21 | 7.67 | 108.97 | 69.64 | 951.86 | 16.18 |
| | | 3 | 19.34 | 6.68 | 2.17 | 30.87 | 67.37 | 789.74 | 12.46 |
| | Ff | 1 | 33.09 | 0.46 | 0.08 | 1.12 | 0.00 | 0.00 | 0.00 |
| | | 2 | 33.05 | 3.00 | 0.27 | 3.83 | 20.40 | 66.10 | 0.83 |
| | G | 1 | 16.06 | 39.25 | 3.05 | 43.35 | 105.85 | 296.38 | 5.06 |
| | | 2 | 11.45 | 43.85 | 3.25 | 46.19 | 109.32 | 291.89 | 9.37 |
| | Gf | 1 | 2.92 | 0.13 | 0.01 | 0.14 | 0.50 | 1.30 | 0.04 |
| | | 2 | 2.88 | 0.13 | 0.01 | 0.12 | 0.50 | 1.24 | 0.04 |
| | xA | 1 | 17.22 | 2.87 | 1.28 | 18.16 | 9.79 | 157.20 | 5.05 |
| | | 2 | 17.25 | 2.74 | 1.20 | 17.07 | 11.05 | 174.30 | 5.59 |
| | xB | 1 | 5.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | xC | 1 | 8.67 | 6.86 | 0.94 | 13.35 | 57.70 | 284.87 | 9.14 |
| | | 2 | 8.70 | 6.36 | 0.85 | 12.06 | 58.59 | 281.64 | 9.04 |
| | xD | 1 | 9.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 9.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | xE | 1 | 13.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 13.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | xF | 1 | 12.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Cc1 | 1 | 6.64 | 6.09 | 0.72 | 10.27 | 22.88 | 97.82 | 3.81 |
| | E1 | 1 | 6.00 | 36.37 | 3.02 | 42.86 | 107.70 | 321.72 | 10.33 |
| | | 2 | 6.00 | 124.14 | 18.53 | 263.19 | 191.18 | 1027.58 | 32.98 |
| | Gf1 | 1 | 3.59 | 2.19 | 0.02 | 0.33 | 38.93 | 14.79 | 0.47 |
| | Cc2 | 2 | 10.03 | 17.70 | 4.05 | 57.56 | 79.56 | 656.01 | 10.41 |
| | | 3 | 10.42 | 3.97 | 0.43 | 6.14 | 19.88 | 77.96 | 1.08 |
| | | 4 | 9.56 | 17.87 | 3.22 | 45.72 | 83.28 | 540.23 | 9.46 |
| | | 5 | 8.61 | 15.53 | 1.95 | 27.69 | 83.78 | 378.68 | 7.61 |
| | | 6 | 7.97 | 155.06 | 18.90 | 268.40 | 247.64 | 1086.72 | 24.22 |
| | E2 | 3 | 4.00 | 22.67 | 1.64 | 23.34 | 83.79 | 218.70 | 7.02 |
| | | 4 | 4.07 | 22.48 | 1.55 | 21.99 | 83.71 | 207.60 | 6.66 |
| | TC5 | 2 | 2.76 | 2.15 | 0.64 | 9.04 | 8.49 | 90.64 | 1.14 |
| | | 3 | 2.76 | 4.90 | 2.14 | 30.45 | 9.15 | 144.32 | 1.81 |
| | | 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | TC9 | 1 | 11.00 | 6.86 | 0.95 | 13.55 | 33.44 | 167.55 | 2.10 |
| | | 2 | 11.05 | 5.98 | 0.59 | 8.44 | 31.18 | 111.64 | 1.40 |
| | | 3 | 11.12 | 6.52 | 0.82 | 11.68 | 33.05 | 150.05 | 1.88 |
| | TC35 | 1 | 2.90 | 2.58 | 0.39 | 5.48 | 18.68 | 100.61 | 1.26 |
| | TC36 | 1 | 3.03 | 0.15 | 0.01 | 0.13 | 0.00 | 0.00 | 0.00 |
| | TC37 | 1 | 3.19 | 0.90 | 0.01 | 0.15 | 11.69 | 4.79 | 0.17 |
| | TC38 | 1 | 1.53 | 11.49 | 0.13 | 1.86 | 70.77 | 29.02 | 1.01 |
| | TC39 | 2 | 2.54 | 0.71 | 0.21 | 2.99 | 0.00 | 0.00 | 0.00 |
| | | 3 | 2.40 | 1.82 | 0.80 | 11.33 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | TC40 | 2 | 4.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 3 | 4.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | TC41 | 1 | 3.93 | 98.25 | 2.59 | 36.82 | 127.91 | 121.51 | 4.23 |
| | | 2 | 3.97 | 98.25 | 2.59 | 36.82 | 127.91 | 121.51 | 4.23 |
| | TC42 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | TC43 | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 47 | 1 | 16.04 | 4.10 | 1.11 | 15.75 | 0.00 | 0.00 | 0.00 |
| | 48 | 1 | 6.61 | 4.03 | 1.79 | 25.49 | 0.00 | 0.00 | 0.00 |
| | 49 | 1 | 3.15 | 0.34 | 0.05 | 0.67 | 0.00 | 0.00 | 0.00 |
| | | 2 | 3.15 | 0.71 | 0.16 | 2.26 | 0.00 | 0.00 | 0.00 |
| | 50 | 1 | 5.78 | 440.66 | 240.89 | 3420.67 | 355.46 | 5311.26 | 66.60 |
| | 51 | 1 | 4.50 | 0.93 | 0.24 | 3.48 | 0.00 | 0.00 | 0.00 |

## Traffic Stream Results: Queues and blocking

| Time Segment | Arm | Traffic Stream | Initial queue (PCU) | Mean max queue (PCU) | Max queue storage (PCU) | Utilised storage (%) | Excess queue penalty (£ per hr) | Wasted time total (s (per cycle)) | Estimated blocking |
|---|---|---|---|---|---|---|---|---|---|
| | A | 1 | 0.00 | 8.00 | 12.96 | 61.76 | 0.00 | 0.00 | |
| | | 2 | 0.00 | 2.41 | 13.37 | 18.06 | 0.00 | 0.00 | |
| | | 3 | 0.00 | 5.49 | 13.67 | 40.18 | 0.00 | 0.00 | |
| | | 4 | 0.00 | 11.75 | 13.97 | 84.08 | 0.00 | 0.00 | |
| | Ac | 1 | 0.00 | 12.85 | 16.66 | 77.14 | 0.00 | 2.00 | |
| | | 2 | 0.00 | 0.02 | 16.06 | 0.13 | 0.00 | 46.00 | |
| | | 3 | 0.00 | 4.79 | 15.30 | 31.30 | 0.00 | 16.00 | |
| | Acf | 1 | 0.00 | 0.43 | 12.10 | 3.58 | 0.00 | 36.00 | |
| | | 2 | 0.00 | 0.02 | 12.25 | 0.14 | 0.00 | 70.00 | |
| | Af | 1 | 0.00 | 0.06 | 9.31 | 0.64 | 0.00 | 25.00 | |
| | | 2 | 0.00 | 0.02 | 9.21 | 0.21 | 0.00 | 27.00 | |
| | | 3 | 0.00 | 0.05 | 9.17 | 0.52 | 0.00 | 25.00 | |
| | B | 1 | 0.00 | 3.25 | 16.46 | 19.74 | 0.00 | 0.00 | |
| | | 2 | 0.00 | 3.33 | 16.90 | 19.70 | 0.00 | 0.28 | |
| | | 3 | 0.00 | 6.96 | 17.34 | 40.14 | 0.00 | 18.00 | |
| | | 4 | 0.00 | 27.39 | 17.81 | 153.76 | 0.00 | 18.31 | |
| | Bc | 1 | 0.00 | 4.91 | 23.02 | 21.35 | 0.00 | 8.00 | |
| | | 2 | 0.00 | 7.60 | 22.77 | 33.40 | 0.00 | 8.37 | |
| | | 3 | 0.00 | 20.05 | 22.53 | 88.99 | 0.00 | 5.00 | |
| | Bcf | 1 | 0.00 | 0.73 | 10.90 | 6.69 | 0.00 | 18.00 | |
| | | 2 | 0.00 | 0.02 | 10.98 | 0.17 | 0.00 | 62.00 | |
| | | 3 | 0.00 | 0.04 | 10.84 | 0.34 | 0.00 | 34.00 | |
| | | 4 | 0.00 | 2.05 | 10.83 | 18.97 | 0.00 | 34.19 | |
| | Bf | 1 | 0.00 | 0.10 | 39.62 | 0.26 | 0.00 | 0.00 | |
| | | 2 | 0.00 | 46.35 | 39.73 | 116.67 | 0.00 | 61.23 | |
| | C | 1 | 0.00 | 9.76 | 21.07 | 46.34 | 0.00 | 0.00 | |
| | | 2 | 0.00 | 7.80 | 21.41 | 36.46 | 0.00 | 1.09 | |
| | | 3 | 0.00 | 25.71 | 21.63 | 118.87 | 0.00 | 0.00 | |
| | Cf | 1 | 0.00 | 0.27 | 25.15 | 1.08 | 0.00 | 0.00 | |
| | | 2 | 0.00 | 31.96 | 25.37 | 126.00 | 0.00 | 84.73 | |
| | D | 1 | 0.00 | 9.19 | 9.57 | 96.10 | 0.00 | 0.00 | |
| | | 2 | 0.00 | 20.57 | 9.57 | 215.10 | 0.00 | 0.00 | |
| | | 3 | 0.00 | 9.34 | 9.20 | 101.61 | 0.00 | 0.46 | |
| | | 4 | 0.00 | 13.61 | 9.64 | 141.19 | 0.00 | 0.00 | |
| | Dc | 1 | 0.00 | 7.97 | 8.74 | 91.14 | 0.00 | 2.08 | |
| | | 2 | 0.00 | 7.99 | 8.41 | 94.99 | 0.00 | 1.83 | |
| | | 3 | 0.00 | 6.51 | 8.07 | 80.68 | 0.00 | 15.19 | |
| | | 4 | 0.00 | 20.62 | 7.74 | 266.42 | 0.00 | 22.27 | |
| | Dcf | 1 | 0.00 | 0.18 | 11.47 | 1.56 | 0.00 | 32.00 | |
| | | 2 | 0.00 | 0.01 | 11.46 | 0.05 | 0.00 | 88.00 | |
| | | 3 | 0.00 | 7.39 | 11.55 | 64.04 | 0.00 | 48.75 | |
| | | 4 | 0.00 | 7.39 | 11.58 | 63.79 | 0.00 | 50.80 | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 07:30-08:30 | | 5 | 0.00 | 2.40 | 11.63 | 20.62 | 0.00 | 35.65 | |
| | | 6 | 0.00 | 24.92 | 11.68 | 213.46 | 0.00 | 74.27 | |
| | Df | 1 | 0.00 | 50.48 | 34.78 | 145.12 | 0.00 | 52.43 | |
| | | 2 | 0.00 | 5.51 | 34.78 | 15.84 | 0.00 | 14.50 | |
| | Dxp | 1 | 0.00 | 1.75 | 8.11 | 21.58 | 0.00 | 18.00 | |
| | | 2 | 0.00 | 0.14 | 8.46 | 1.60 | 0.00 | 57.00 | |
| | Ec | 1 | 0.00 | 7.18 | 8.71 | 82.46 | 0.00 | 2.00 | |
| | | 2 | 0.00 | 10.73 | 8.42 | 127.40 | 0.00 | 0.00 | |
| | | 3 | 0.00 | 20.00 | 8.13 | 245.84 | 0.00 | 0.00 | |
| | | 4 | 0.00 | 7.11 | 7.85 | 90.62 | 0.00 | 24.00 | |
| | Ecf | 1 | 0.00 | 4.87 | 7.99 | 60.95 | 0.00 | 18.53 | |
| | | 2 | 0.00 | 5.40 | 8.06 | 66.95 | 0.00 | 17.97 | |
| | | 3 | 0.00 | 7.13 | 8.16 | 87.33 | 0.00 | 37.72 | |
| | | 4 | 0.00 | 9.41 | 8.26 | 113.95 | 0.00 | 47.33 | |
| | | 5 | 0.00 | 5.05 | 8.44 | 59.84 | 0.00 | 64.34 | |
| | Ef | 1 | 0.00 | 54.15 | 22.18 | 244.12 | 0.00 | 67.19 | |
| | | 2 | 0.00 | 0.05 | 22.18 | 0.22 | 0.00 | 0.00 | |
| | Exp | 1 | 0.00 | 5.05 | 9.01 | 56.01 | 0.00 | 14.00 | |
| | | 2 | 0.00 | 2.37 | 9.34 | 25.38 | 0.00 | 12.00 | |
| | F | 1 | 0.00 | 11.96 | 14.80 | 80.79 | 0.00 | 0.00 | |
| | | 2 | 0.00 | 11.96 | 14.91 | 80.23 | 0.00 | 0.00 | |
| | | 3 | 0.00 | 24.95 | 15.17 | 164.46 | 0.00 | 0.00 | |
| | Fc | 1 | 0.00 | 9.16 | 31.86 | 28.76 | 0.00 | 8.00 | |
| | | 2 | 0.00 | 30.34 | 31.56 | 96.15 | 0.00 | 13.50 | |
| | | 3 | 0.00 | 22.06 | 31.35 | 70.35 | 0.00 | 20.47 | |
| | Ff | 1 | 0.00 | 0.08 | 47.95 | 0.16 | 0.00 | 0.00 | |
| | | 2 | 0.00 | 1.49 | 47.89 | 3.11 | 0.00 | 38.68 | |
| | G | 1 | 0.00 | 4.91 | 27.16 | 18.10 | 0.00 | 17.17 | |
| | | 2 | 0.00 | 5.06 | 26.54 | 19.05 | 0.00 | 17.17 | |
| | Gf | 1 | 0.00 | 2.33 | 6.76 | 34.47 | 0.00 | 90.03 | |
| | | 2 | 0.00 | 2.33 | 6.69 | 34.85 | 0.00 | 90.03 | |
| | xA | 1 | 0.00 | 8.06 | 39.94 | 20.17 | 0.00 | 24.71 | |
| | | 2 | 0.00 | 33.40 | 40.00 | 83.49 | 0.00 | 22.15 | |
| | xB | 1 | 0.00 | 0.00 | 13.42 | 0.00 | 0.00 | 1.00 | |
| | xC | 1 | 0.00 | 7.21 | 20.10 | 35.88 | 0.00 | 69.02 | |
| | | 2 | 0.00 | 7.19 | 20.17 | 35.64 | 0.00 | 67.95 | |
| | xD | 1 | 0.00 | 0.00 | 21.17 | 0.00 | 0.00 | 14.00 | |
| | | 2 | 0.00 | 0.00 | 21.35 | 0.00 | 0.00 | 62.00 | |
| | xE | 1 | 0.00 | 0.00 | 30.24 | 0.00 | 0.00 | 12.00 | |
| | | 2 | 0.00 | 0.00 | 30.23 | 0.00 | 0.00 | 12.00 | |
| | xF | 1 | 0.00 | 0.00 | 28.27 | 0.00 | 0.00 | 6.00 | |
| | Cc1 | 1 | 0.00 | 2.66 | 16.78 | 15.88 | 0.00 | 12.00 | |
| | E1 | 1 | 0.00 | 5.37 | 13.91 | 38.60 | 0.00 | 12.00 | |
| | | 2 | 0.00 | 22.32 | 13.91 | 160.41 | 0.00 | 0.00 | |
| | Gf1 | 1 | 0.00 | 0.33 | 8.32 | 3.96 | 0.00 | 86.00 | |
| | Cc2 | 2 | 0.00 | 15.03 | 15.89 | 94.57 | 0.00 | 10.19 | |
| | | 3 | 0.00 | 1.65 | 15.65 | 10.55 | 0.00 | 15.00 | |
| | | 4 | 0.00 | 9.41 | 15.88 | 59.23 | 0.00 | 5.00 | |
| | | 5 | 0.00 | 6.27 | 15.48 | 40.51 | 0.00 | 10.00 | |
| | | 6 | 0.00 | 23.49 | 15.40 | 152.46 | 0.00 | 34.31 | |
| | E2 | 3 | 0.00 | 3.65 | 9.27 | 39.38 | 0.00 | 0.56 | |
| | | 4 | 0.00 | 3.46 | 9.45 | 36.66 | 0.00 | 0.00 | |
| | TC5 | 2 | 0.00 | 3.02 | 4.01 | 75.46 | 0.00 | 13.00 | |
| | | 3 | 0.00 | 4.86 | 4.00 | 121.35 | 0.00 | 10.00 | |
| | | 4 | 0.00 | 0.00 | 4.25 | 0.00 | 0.00 | 12.00 | |
| | TC9 | 1 | 0.00 | 5.92 | 15.95 | 37.14 | 0.00 | 0.00 | |
| | | 2 | 0.00 | 3.72 | 16.02 | 23.23 | 0.00 | 0.00 | |
| | | 3 | 0.00 | 5.01 | 16.12 | 31.06 | 0.00 | 0.00 | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | TC35 | 1 | 0.00 | 2.98 | 4.20 | 71.00 | 0.00 | 11.00 | |
| | TC36 | 1 | 0.00 | 0.01 | 4.39 | 0.22 | 0.00 | 0.00 | |
| | TC37 | 1 | 0.00 | 0.16 | 7.71 | 2.07 | 0.00 | 105.00 | |
| | TC38 | 1 | 0.00 | 2.44 | 3.71 | 65.79 | 0.00 | 35.00 | |
| | TC39 | 2 | 0.00 | 0.21 | 6.13 | 3.43 | 0.00 | 32.00 | |
| | | 3 | 0.00 | 0.80 | 5.79 | 13.78 | 0.00 | 29.00 | |
| | TC40 | 2 | 0.00 | 0.00 | 10.22 | 0.00 | 0.00 | 11.00 | |
| | | 3 | 0.00 | 0.00 | 9.71 | 0.00 | 0.00 | 15.00 | |
| | TC41 | 1 | 0.00 | 4.15 | 9.50 | 43.65 | 0.00 | 0.00 | |
| | | 2 | 0.00 | 4.15 | 9.58 | 43.30 | 0.00 | 0.00 | |
| | TC42 | 1 | 0.00 | 0.00 | 4.06 | 0.00 | 0.00 | 0.00 | |
| | TC43 | 1 | 0.00 | 0.00 | 9.04 | 0.00 | 0.00 | 120.00 | |
| | 47 | 1 | 0.00 | 1.11 | 23.24 | 4.77 | 0.00 | 14.00 | |
| | 48 | 1 | 0.00 | 1.79 | 9.59 | 18.72 | 0.00 | 0.00 | |
| | 49 | 1 | 0.00 | 0.05 | 4.56 | 1.03 | 0.00 | 0.00 | |
| | | 2 | 0.00 | 0.16 | 4.56 | 3.49 | 0.00 | 0.00 | |
| | 50 | 1 | 0.00 | 262.96 | 8.37 | 3140.45 | 0.00 | 25.63 | |
| | 51 | 1 | 0.00 | 0.24 | 6.52 | 3.76 | 0.00 | 0.00 | |

## Traffic Stream Results: Advanced

| Time Segment | Arm | Traffic Stream | Degree of saturation penalty (£ per hr) | Ped gap accepting penalty (£ per hr) | Warmed up | Mean Max Queue EoTS (PCU) | Max End of Green Queue EoTS (PCU) | Max End of Red Queue EoTS (PCU) | PCU Factor | Cost of traffic penalties (£ per hr) | Performance Index (£ per hr) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | 1 | 0.00 | 0.00 | ✓ | 8.01 | 0.65 | 6.66 | 1.00 | 0.00 | 44.34 |
| | | 2 | 0.00 | 0.00 | ✓ | 2.41 | 0.04 | 1.89 | 1.00 | 0.00 | 10.91 |
| | | 3 | 0.00 | 0.00 | ✓ | 5.49 | 0.36 | 4.68 | 1.00 | 0.00 | 31.26 |
| | | 4 | 0.00 | 0.00 | ✓ | 11.80 | 2.03 | 10.09 | 1.00 | 0.00 | 78.00 |
| | Ac | 1 | 0.00 | 0.00 | ✓ | 12.97 | 3.68 | 9.57 | 1.00 | 0.00 | 106.95 |
| | | 2 | 0.00 | 0.00 | ✓ | 0.02 | 0.02 | 0.02 | 1.00 | 0.00 | 0.30 |
| | | 3 | 0.00 | 0.00 | ✓ | 4.79 | 0.07 | 0.65 | 1.00 | 0.00 | 3.78 |
| | Acf | 1 | 0.00 | 0.00 | ✓ | 0.43 | | | 1.00 | 0.00 | 6.14 |
| | | 2 | 0.00 | 0.00 | ✓ | 0.02 | | | 1.00 | 0.00 | 0.25 |
| | Af | 1 | 0.00 | 0.00 | ✓ | 0.06 | | | 1.00 | 0.00 | 0.85 |
| | | 2 | 0.00 | 0.00 | ✓ | 0.02 | | | 1.00 | 0.00 | 0.28 |
| | | 3 | 0.00 | 0.00 | ✓ | 0.05 | | | 1.00 | 0.00 | 0.67 |
| | B | 1 | 0.00 | 0.00 | ✓ | 3.25 | 0.16 | 3.12 | 1.00 | 0.00 | 21.22 |
| | | 2 | 0.00 | 0.00 | ✓ | 3.33 | 0.15 | 3.20 | 1.00 | 0.00 | 21.68 |
| | | 3 | 0.00 | 0.00 | ✓ | 6.96 | 0.29 | 6.96 | 1.00 | 0.00 | 61.89 |
| | | 4 | 0.00 | 0.00 | ✓ | 31.72 | 22.68 | 31.72 | 1.00 | 0.00 | 343.44 |
| | Bc | 1 | 0.00 | 0.00 | ✓ | 4.91 | 0.15 | 2.59 | 1.00 | 0.00 | 15.42 |
| | | 2 | 0.00 | 0.00 | ✓ | 7.61 | 0.36 | 2.47 | 1.00 | 0.00 | 24.56 |
| | | 3 | 0.00 | 0.00 | ✓ | 20.06 | 1.50 | 4.00 | 1.00 | 0.00 | 50.84 |
| | Bcf | 1 | 0.00 | 0.00 | ✓ | 0.73 | | | 1.00 | 0.00 | 10.36 |
| | | 2 | 0.00 | 0.00 | ✓ | 0.02 | | | 1.00 | 0.00 | 0.26 |
| | | 3 | 0.00 | 0.00 | ✓ | 0.04 | | | 1.00 | 0.00 | 0.52 |
| | | 4 | 0.00 | 0.00 | ✓ | 2.05 | | | 1.00 | 0.00 | 1.27 |
| | Bf | 1 | 0.00 | 0.00 | ✓ | 0.10 | | | 1.00 | 0.00 | 1.46 |
| | | 2 | 0.00 | 0.00 | ✓ | 47.44 | | | 1.00 | 0.00 | 403.89 |
| | C | 1 | 0.00 | 0.00 | ✓ | 9.82 | 2.11 | 8.85 | 1.00 | 0.00 | 77.49 |
| | | 2 | 0.00 | 0.00 | ✓ | 7.82 | 1.12 | 7.27 | 1.00 | 0.00 | 57.81 |
| | | 3 | 0.00 | 0.00 | ✓ | 26.40 | 11.59 | 26.40 | 1.00 | 0.00 | 294.51 |
| | Cf | 1 | 0.00 | 0.00 | ✓ | 0.27 | | | 1.00 | 0.00 | 3.84 |
| | | 2 | 0.00 | 0.00 | | 43.06 | | | 1.00 | 0.00 | 370.66 |
| | D | 1 | 0.00 | 0.00 | ✓ | 9.25 | 2.09 | 9.25 | 1.00 | 0.00 | 104.20 |
| | | 2 | 0.00 | 0.00 | ✓ | 25.45 | 17.04 | 25.45 | 1.00 | 0.00 | 273.92 |
| | | 3 | 0.00 | 0.00 | ✓ | 9.42 | 2.51 | 9.36 | 1.00 | 0.00 | 95.18 |
| | | 4 | 0.00 | 0.00 | ✓ | 14.34 | 6.46 | 14.24 | 1.00 | 0.00 | 155.67 |
| | | 1 | 0.00 | 0.00 | ✓ | 7.98 | 1.07 | 7.91 | 1.00 | 0.00 | 58.57 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 07:30-08:30 | Dc | 2 | 0.00 | 0.00 | ✓ | 7.99 | 1.07 | 7.95 | 1.00 | 0.00 | 61.42 |
| | | 3 | 0.00 | 0.00 | ✓ | 6.52 | 0.80 | 4.51 | 1.00 | 0.00 | 43.93 |
| | | 4 | 0.00 | 0.00 | ✓ | 26.47 | 19.62 | 26.47 | 1.00 | 0.00 | 282.21 |
| | Dcf | 1 | 0.00 | 0.00 | ✓ | 0.18 | | | 1.00 | 0.00 | 2.53 |
| | | 2 | 0.00 | 0.00 | ✓ | 0.01 | | | 1.00 | 0.00 | 0.08 |
| | | 3 | 0.00 | 0.00 | ✓ | 7.39 | | | 1.00 | 0.00 | 16.44 |
| | | 4 | 0.00 | 0.00 | ✓ | 7.39 | | | 1.00 | 0.00 | 20.54 |
| | | 5 | 0.00 | 0.00 | ✓ | 2.40 | | | 1.00 | 0.00 | 1.77 |
| | | 6 | 0.00 | 0.00 | ✓ | 30.78 | | | 1.00 | 0.00 | 307.90 |
| | Df | 1 | 0.00 | 0.00 | ✓ | 76.57 | | | 1.00 | 0.00 | 546.68 |
| | | 2 | 0.00 | 0.00 | ✓ | 5.51 | | | 1.00 | 0.00 | 13.53 |
| | Dxp | 1 | 0.00 | 0.00 | ✓ | 1.75 | 0.37 | 1.62 | 1.00 | 0.00 | 7.97 |
| | | 2 | 0.00 | 0.00 | ✓ | 0.14 | 0.01 | 0.14 | 1.00 | 0.00 | 0.34 |
| | Ec | 1 | 0.00 | 0.00 | ✓ | 7.18 | 0.58 | 6.98 | 1.00 | 0.00 | 43.24 |
| | | 2 | 0.00 | 0.00 | ✓ | 10.86 | 3.95 | 10.78 | 1.00 | 0.00 | 99.41 |
| | | 3 | 0.00 | 0.00 | ✓ | 23.46 | 16.51 | 23.45 | 1.00 | 0.00 | 255.75 |
| | | 4 | 0.00 | 0.00 | ✓ | 7.11 | 0.21 | 7.03 | 1.00 | 0.00 | 41.78 |
| | Ecf | 1 | 0.00 | 0.00 | ✓ | 4.87 | | | 1.00 | 0.00 | 3.68 |
| | | 2 | 0.00 | 0.00 | ✓ | 5.40 | | | 1.00 | 0.00 | 9.64 |
| | | 3 | 0.00 | 0.00 | ✓ | 7.13 | | | 1.00 | 0.00 | 41.76 |
| | | 4 | 0.00 | 0.00 | ✓ | 9.46 | | | 1.00 | 0.00 | 86.02 |
| | | 5 | 0.00 | 0.00 | ✓ | 5.05 | | | 1.00 | 0.00 | 21.16 |
| | Ef | 1 | 0.00 | 0.00 | ✓ | 89.92 | | | 1.00 | 0.00 | 648.42 |
| | | 2 | 0.00 | 0.00 | ✓ | 0.05 | | | 1.00 | 0.00 | 0.70 |
| | Exp | 1 | 0.00 | 0.00 | ✓ | 5.05 | 0.36 | 1.63 | 1.00 | 0.00 | 9.72 |
| | | 2 | 0.00 | 0.00 | ✓ | 2.37 | 0.05 | 1.29 | 1.00 | 0.00 | 3.23 |
| | F | 1 | 0.00 | 0.00 | ✓ | 14.51 | 9.72 | 14.23 | 1.00 | 0.00 | 151.92 |
| | | 2 | 0.00 | 0.00 | ✓ | 14.51 | 9.72 | 14.23 | 1.00 | 0.00 | 151.92 |
| | | 3 | 0.00 | 0.00 | | 31.42 | 24.63 | 31.38 | 1.00 | 0.00 | 344.35 |
| | Fc | 1 | 0.00 | 0.00 | ✓ | 9.24 | 3.43 | 8.81 | 1.00 | 0.00 | 66.90 |
| | | 2 | 0.00 | 0.00 | ✓ | 30.58 | 5.53 | 10.92 | 1.00 | 0.00 | 125.16 |
| | | 3 | 0.00 | 0.00 | ✓ | 22.06 | 0.96 | 5.98 | 1.00 | 0.00 | 43.33 |
| | Ff | 1 | 0.00 | 0.00 | ✓ | 0.08 | | | 1.00 | 0.00 | 1.12 |
| | | 2 | 0.00 | 0.00 | | 1.49 | | | 1.00 | 0.00 | 4.66 |
| | G | 1 | 0.00 | 0.00 | ✓ | 4.91 | 0.25 | 4.91 | 1.00 | 0.00 | 48.41 |
| | | 2 | 0.00 | 0.00 | ✓ | 5.06 | 0.22 | 4.67 | 1.00 | 0.00 | 55.55 |
| | Gf | 1 | 0.00 | 0.00 | ✓ | 2.33 | | | 1.00 | 0.00 | 0.18 |
| | | 2 | 0.00 | 0.00 | ✓ | 2.33 | | | 1.00 | 0.00 | 0.16 |
| | xA | 1 | 0.00 | 0.00 | ✓ | 8.06 | | | 1.00 | 0.00 | 23.21 |
| | | 2 | 0.00 | 0.00 | ✓ | 33.40 | | | 1.00 | 0.00 | 22.66 |
| | xB | 1 | 0.00 | 0.00 | ✓ | 0.00 | | | 1.00 | 0.00 | 0.00 |
| | xC | 1 | 0.00 | 0.00 | ✓ | 7.21 | | | 1.00 | 0.00 | 22.50 |
| | | 2 | 0.00 | 0.00 | ✓ | 7.19 | | | 1.00 | 0.00 | 21.10 |
| | xD | 1 | 0.00 | 0.00 | ✓ | 0.00 | | | 1.00 | 0.00 | 0.00 |
| | | 2 | 0.00 | 0.00 | ✓ | 0.00 | | | 1.00 | 0.00 | 0.00 |
| | xE | 1 | 0.00 | 0.00 | ✓ | 0.00 | | | 1.00 | 0.00 | 0.00 |
| | | 2 | 0.00 | 0.00 | ✓ | 0.00 | | | 1.00 | 0.00 | 0.00 |
| | xF | 1 | 0.00 | 0.00 | ✓ | 0.00 | | | 1.00 | 0.00 | 0.00 |
| | Cc1 | 1 | 0.00 | 0.00 | ✓ | 2.66 | 0.14 | 1.63 | 1.00 | 0.00 | 14.08 |
| | E1 | 1 | 0.00 | 0.00 | ✓ | 5.37 | 0.41 | 5.37 | 1.00 | 0.00 | 53.18 |
| | | 2 | 0.00 | 0.00 | ✓ | 24.73 | 13.75 | 24.72 | 1.00 | 0.00 | 296.18 |
| | Gf1 | 1 | 0.00 | 0.00 | ✓ | 0.33 | | | 1.00 | 0.00 | 0.80 |
| | Cc2 | 2 | 0.00 | 0.00 | ✓ | 15.05 | 1.54 | 7.73 | 1.00 | 0.00 | 67.97 |
| | | 3 | 0.00 | 0.00 | ✓ | 1.65 | 0.12 | 1.30 | 1.00 | 0.00 | 7.22 |
| | | 4 | 0.00 | 0.00 | ✓ | 9.41 | 0.46 | 7.85 | 1.00 | 0.00 | 55.18 |
| | | 5 | 0.00 | 0.00 | ✓ | 6.27 | 0.17 | 6.01 | 1.00 | 0.00 | 35.30 |
| | | 6 | 0.00 | 0.00 | ✓ | 27.82 | 20.15 | 27.81 | 1.00 | 0.00 | 292.62 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | E2 | 3 | 0.00 | 0.00 | ✓ | 3.65 | 0.24 | 3.58 | 1.00 | 0.00 | 30.36 |
| | | 4 | 0.00 | 0.00 | ✓ | 3.46 | 0.23 | 3.39 | 1.00 | 0.00 | 28.66 |
| | TC5 | 2 | 0.00 | 0.00 | ✓ | 3.02 | 0.36 | 3.02 | 1.00 | 0.00 | 10.18 |
| | | 3 | 0.00 | 0.00 | ✓ | 4.87 | 1.98 | 4.78 | 1.00 | 0.00 | 32.26 |
| | | 4 | 0.00 | 0.00 | ✓ | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| | TC9 | 1 | 0.00 | 0.00 | ✓ | 5.92 | 0.10 | 5.11 | 1.00 | 0.00 | 15.65 |
| | | 2 | 0.00 | 0.00 | ✓ | 3.72 | 0.04 | 3.52 | 1.00 | 0.00 | 9.84 |
| | | 3 | 0.00 | 0.00 | ✓ | 5.01 | 0.08 | 4.60 | 1.00 | 0.00 | 13.56 |
| | TC35 | 1 | 0.00 | 0.00 | ✓ | 2.98 | 0.09 | 2.98 | 1.00 | 0.00 | 6.74 |
| | TC36 | 1 | 0.00 | 0.00 | ✓ | 0.01 | | | 1.00 | 0.00 | 0.13 |
| | TC37 | 1 | 0.00 | 0.00 | ✓ | 0.16 | 0.00 | 0.16 | 1.00 | 0.00 | 0.31 |
| | TC38 | 1 | 0.00 | 0.00 | ✓ | 2.44 | | | 1.00 | 0.00 | 2.87 |
| | TC39 | 2 | 0.00 | 0.00 | ✓ | 0.21 | | | 1.00 | 0.00 | 2.99 |
| | | 3 | 0.00 | 0.00 | ✓ | 0.80 | | | 1.00 | 0.00 | 11.33 |
| | TC40 | 2 | 0.00 | 0.00 | ✓ | 0.00 | | | 1.00 | 0.00 | 0.00 |
| | | 3 | 0.00 | 0.00 | ✓ | 0.00 | | | 1.00 | 0.00 | 0.00 |
| | TC41 | 1 | 0.00 | 0.00 | ✓ | 4.22 | 1.21 | 4.19 | 1.00 | 0.00 | 41.05 |
| | | 2 | 0.00 | 0.00 | ✓ | 4.22 | 1.21 | 4.19 | 1.00 | 0.00 | 41.05 |
| | TC42 | 1 | 0.00 | 0.00 | ✓ | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| | TC43 | 1 | 0.00 | 0.00 | ✓ | 0.00 | | | 1.00 | 0.00 | 0.00 |
| | 47 | 1 | 0.00 | 0.00 | ✓ | 1.12 | | | 1.00 | 0.00 | 15.75 |
| | 48 | 1 | 0.00 | 0.00 | ✓ | 1.81 | | | 1.00 | 0.00 | 25.49 |
| | 49 | 1 | 0.00 | 0.00 | ✓ | 0.05 | | | 1.00 | 0.00 | 0.67 |
| | | 2 | 0.00 | 0.00 | ✓ | 0.16 | | | 1.00 | 0.00 | 2.26 |
| | 50 | 1 | 0.00 | 0.00 | ✓ | 499.88 | | | 1.00 | 0.00 | 3487.27 |
| | 51 | 1 | 0.00 | 0.00 | ✓ | 0.25 | | | 1.00 | 0.00 | 3.48 |

# Pedestrian Crossing Results

## Pedestrian Crossings: Pedestrian summary

| Time Segment | Crossing | Side | Degree of saturation (%) | Calculated Flow Entering (Ped/hr) | Calculated sat flow (Ped/hr) | Actual green (s (per cycle)) | Mean Delay Per Ped (s) | Mean max queue (Ped) | Weighted cost of delay (£ per hr) | Performance Index (£ per hr) |
|---|---|---|---|---|---|---|---|---|---|---|
| 07:30-08:30 | 1 | 1 | 0 | 0 | 11000 | 7 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 11000 | 7 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2 | 1 | 0 | 0 | 11000 | 58 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 11000 | 58 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 3 | 1 | 0 | 0 | 11000 | 8 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 11000 | 8 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 4 | 1 | 0 | 0 | 11000 | 68 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 11000 | 68 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 5 | 1 | 0 | 0 | 11000 | 68 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 11000 | 68 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 6 | 1 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 7 | 1 | 0 | 0 | 11000 | 72 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 11000 | 72 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 8 | 1 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 9 | 1 | 0 | 0 | 11000 | 34 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 11000 | 34 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 10 | 1 | 0 | 0 | 11000 | 36 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 11000 | 36 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 11 | 1 | 0 | 0 | 11000 | 60 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 11000 | 60 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 12 | 1 | 0 | 0 | 11000 | 58 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 11000 | 58 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 13 | 1 | 0 | 0 | 11000 | 10 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 11000 | 10 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 14 | 1 | 0 | 0 | 11000 | 100 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 11000 | 100 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 15 | 1 | 0 | 0 | 11000 | 11 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 11000 | 11 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 16 | 1 | 0 | 0 | 11000 | 8 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 11000 | 8 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 17 | 1 | 0 | 0 | 11000 | 5 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 2 | 0 | 0 | 11000 | 5 | 0.00 | 0.00 | 0.00 | 0.00 |

## Pedestrian Crossings: Flows and signals

| Time Segment | Crossing | Side | Calculated flow entering (Ped/hr) | Calculated flow out (Ped/hr) | Flow discrepancy (Ped/hr) | Adjusted flow warning | Calculated sat flow (Ped/hr) | Calculated capacity (Ped/hr) | Degree of saturation (%) | DOS Threshold exceeded | Practical reserve capacity | Mean modulus of error | Actual green (s (per cycle)) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07:30-08:30 | 1 | 1 | 0 | 0 | 0 | | 11000 | 917 | 0 | | Unrestricted | 0.00 | 7 |
| | | 2 | 0 | 0 | 0 | | 11000 | 917 | 0 | | Unrestricted | 0.00 | 7 |
| | 2 | 1 | 0 | 0 | 0 | | 11000 | 5867 | 0 | | Unrestricted | 0.00 | 58 |
| | | 2 | 0 | 0 | 0 | | 11000 | 5867 | 0 | | Unrestricted | 0.00 | 58 |
| | 3 | 1 | 0 | 0 | 0 | | 11000 | 1008 | 0 | | Unrestricted | 0.00 | 8 |
| | | 2 | 0 | 0 | 0 | | 11000 | 1008 | 0 | | Unrestricted | 0.00 | 8 |
| | 4 | 1 | 0 | 0 | 0 | | 11000 | 6783 | 0 | | Unrestricted | 0.00 | 68 |
| | | 2 | 0 | 0 | 0 | | 11000 | 6783 | 0 | | Unrestricted | 0.00 | 68 |
| | 5 | 1 | 0 | 0 | 0 | | 11000 | 6783 | 0 | | Unrestricted | 0.00 | 68 |
| | | 2 | 0 | 0 | 0 | | 11000 | 6783 | 0 | | Unrestricted | 0.00 | 68 |
| | 6 | 1 | 0 | 0 | 0 | | 0 | 0 | 0 | | -100 | 0.00 | 0 |
| | | 2 | 0 | 0 | 0 | | 0 | 0 | 0 | | -100 | 0.00 | 0 |
| | 7 | 1 | 0 | 0 | 0 | | 11000 | 7150 | 0 | | Unrestricted | 0.00 | 72 |
| | | 2 | 0 | 0 | 0 | | 11000 | 7150 | 0 | | Unrestricted | 0.00 | 72 |
| | 8 | 1 | 0 | 0 | 0 | | 0 | 0 | 0 | | -100 | 0.00 | 0 |
| | | 2 | 0 | 0 | 0 | | 0 | 0 | 0 | | -100 | 0.00 | 0 |
| | 9 | 1 | 0 | 0 | 0 | | 11000 | 3667 | 0 | | Unrestricted | 0.00 | 34 |
| | | 2 | 0 | 0 | 0 | | 11000 | 3667 | 0 | | Unrestricted | 0.00 | 34 |
| | 10 | 1 | 0 | 0 | 0 | | 11000 | 3850 | 0 | | Unrestricted | 0.00 | 36 |
| | | 2 | 0 | 0 | 0 | | 11000 | 3850 | 0 | | Unrestricted | 0.00 | 36 |
| | 11 | 1 | 0 | 0 | 0 | | 11000 | 6050 | 0 | | Unrestricted | 0.00 | 60 |
| | | 2 | 0 | 0 | 0 | | 11000 | 6050 | 0 | | Unrestricted | 0.00 | 60 |
| | 12 | 1 | 0 | 0 | 0 | | 11000 | 5867 | 0 | | Unrestricted | 0.00 | 58 |
| | | 2 | 0 | 0 | 0 | | 11000 | 5867 | 0 | | Unrestricted | 0.00 | 58 |
| | 13 | 1 | 0 | 0 | 0 | | 11000 | 1192 | 0 | | Unrestricted | 0.00 | 10 |
| | | 2 | 0 | 0 | 0 | | 11000 | 1192 | 0 | | Unrestricted | 0.00 | 10 |
| | 14 | 1 | 0 | 0 | 0 | | 11000 | 9442 | 0 | | Unrestricted | 0.00 | 100 |
| | | 2 | 0 | 0 | 0 | | 11000 | 9442 | 0 | | Unrestricted | 0.00 | 100 |
| | 15 | 1 | 0 | 0 | 0 | | 11000 | 1283 | 0 | | Unrestricted | 0.00 | 11 |
| | | 2 | 0 | 0 | 0 | | 11000 | 1283 | 0 | | Unrestricted | 0.00 | 11 |
| | 16 | 1 | 0 | 0 | 0 | | 11000 | 1008 | 0 | | Unrestricted | 0.00 | 8 |
| | | 2 | 0 | 0 | 0 | | 11000 | 1008 | 0 | | Unrestricted | 0.00 | 8 |
| | 17 | 1 | 0 | 0 | 0 | | 11000 | 733 | 0 | | Unrestricted | 0.00 | 5 |
| | | 2 | 0 | 0 | 0 | | 11000 | 733 | 0 | | Unrestricted | 0.00 | 5 |

## Pedestrian Crossings: Stops and delays

| Time Segment | Crossing | Side | Mean Cruise Time per Ped (s) | Mean Delay per Ped (s) | Total delay (Ped-hr/hr) | Weighted cost of delay (£ per hr) |
|---|---|---|---|---|---|---|
| 07:30-08:30 | (ALL) | (ALL) | 1.00 | 0.00 | 0.00 | 0.00 |

## Pedestrian Crossings: Queues and blocking

| Time Segment | Crossing | Side | Mean max queue (Ped) | Max queue storage (Ped) | Utilised storage (%) | Excess queue penalty (£ per hr) |
|---|---|---|---|---|---|---|
| 07:30-08:30 | (ALL) | (ALL) | 0.00 | 10.00 | 0.00 | 0.00 |

## Pedestrian Crossings: Advanced

| Time Segment | Crossing | Side | Degree of saturation penalty (£ per hr) | Ped gap accepting penalty (£ per hr) | Mean Max Queue EoTS (Ped) | Ped Factor | Cost of traffic penalties (£ per hr) | Performance Index (£ per hr) |
|---|---|---|---|---|---|---|---|---|
| 07:30-08:30 | (ALL) | (ALL) | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 |

# Network Results

## Run Summary

| Analysis set used | Run start time | Run finish time | Modelling start time (HH:mm) | Network Cycle Time (s) | Performance Index (£ per hr) | Total network delay (PCU-hr/hr) | Highest DOS (%) | Item with highest DOS | Number of oversaturated items | Percentage of oversaturated items (%) | Item with worst signalised PRC | Item with worst unsignalised PRC | Ite wit wor over PR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19/07/2021 23:28:49 | 19/07/2021 23:29:00 | 07:30 | 120 | 10989.79 | 706.88 | 131.71 | 50/1 | 19 | 12 | TC42/1 | 50/1 | TC4 |

## Network Results: Vehicle summary

| Time Segment | Degree of saturation (%) | Practical reserve capacity (%) | Calculated flow entering (PCU/hr) | Actual green (s (per cycle)) | Mean Delay per Veh (s) | Weighted cost of delay (£ per hr) | Weighted cost of stops (£ per hr) | Performance Index (£ per hr) |
|---|---|---|---|---|---|---|---|---|
| 07:30-08:30 | 132 | -100 | 81176 | 10075 | 31.35 | 10037.63 | 952.16 | 10989.79 |

## Network Results: Pedestrian summary

| Time Segment | Degree of saturation (%) | Calculated Flow Entering (Ped/hr) | Actual green (s (per cycle)) | Mean Delay Per Ped (s) | Weighted cost of delay (£ per hr) | Performance Index (£ per hr) |
|---|---|---|---|---|---|---|
| 07:30-08:30 | 0 | 0 | 1206 | 0.00 | 0.00 | 0.00 |

## Network Results: Flows and signals

| Time Segment | Calculated flow entering (PCU/hr) | Calculated flow out (PCU/hr) | Flow discrepancy (PCU/hr) | Adjusted flow warning | Degree of saturation (%) | DOS Threshold exceeded | Practical reserve capacity (%) | Actual green (s (per cycle)) |
|---|---|---|---|---|---|---|---|---|
| 07:30-08:30 | 81176 | 80554 | 5243 | ✓ | 132 | ✓ | -100 | 11281 |

## Network Results: Stops and delays

| Time Segment | Mean Cruise Time per Veh (s) | Mean Delay per Veh (s) | Total delay (PCU-hr/hr) | Weighted cost of delay (£ per hr) | Mean stops per Veh (%) | Total stops (Stops per hr) | Weighted cost of stops (£ per hr) |
|---|---|---|---|---|---|---|---|
| 07:30-08:30 | 8.65 | 31.35 | 706.88 | 10037.63 | 55.62 | 43110.62 | 952.16 |

## Network Results: Queues and blocking

| Time Segment | Utilised storage (%) | Excess queue penalty (£ per hr) | Wasted time total (s (per cycle)) |
|---|---|---|---|
| 07:30-08:30 | 3140.45 | 0.00 | 2622.06 |

## Network Results: Advanced

| Time Segment | Degree of saturation penalty (£ per hr) | Ped gap accepting penalty (£ per hr) | Warmed up | PCU Factor | Cost of traffic penalties (£ per hr) | Controller stream penalties (£ per hr) | Performance Index (£ per hr) |
|---|---|---|---|---|---|---|---|
| 07:30-08:30 | 0.00 | 0.00 | | 1.00 | 0.00 | 0.00 | 10989.79 |

# Point to Point Journey Time

## Average Journey Time (s) for Local Matrix: 1

| | | To | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | A28 | B28 | C28 | D28 | E28 | F28 | G28 | H28 |
| From | A28 | 0.0 | 551.0 | 545.6 | 692.1 | 582.5 | 743.5 | 1093.1 | 0.0 |
| | B28 | 567.9 | 0.0 | 100.0 | 128.8 | 129.8 | 419.6 | 556.2 | 0.0 |
| | C28 | 182.0 | 187.3 | 0.0 | 224.3 | 214.3 | 343.5 | 274.5 | 0.0 |
| | D28 | 197.5 | 237.4 | 392.6 | 0.0 | 414.8 | 183.7 | 192.6 | 0.0 |
| | E28 | 383.1 | 139.5 | 435.7 | 243.6 | 0.0 | 292.3 | 301.5 | 0.0 |
| | F28 | 153.5 | 196.0 | 203.4 | 226.5 | 227.6 | 0.0 | 24.5 | 0.0 |
| | G28 | 63.9 | 104.5 | 110.6 | 146.8 | 140.5 | 205.6 | 0.0 | 0.0 |
| | H28 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

## Path Journey Time

| Path | From Location | To Location | Normal Calculated Flow (PCU/hr) | Normal journey time (s) | Calculated Total Flow (PCU/hr) | Avg journey time (s) |
|---|---|---|---|---|---|---|
| 32 | C28 | E28 | 88 | 214.60 | 88 | 214.60 |

| | | | | | | |
|---|---|---|---|---|---|---|
| **36** | C28 | E28 | 88 | 214.05 | 88 | 214.05 |
| **41** | E28 | A28 | 505 | 384.25 | 505 | 384.25 |
| **49** | C28 | D28 | 363 | 224.30 | 363 | 224.30 |
| **50** | E28 | D28 | 55 | 243.56 | 55 | 243.56 |
| **67** | G28 | B28 | 72 | 104.60 | 72 | 104.60 |
| **68** | E28 | G28 | 183 | 300.20 | 183 | 300.20 |
| **69** | D28 | B28 | 113 | 237.48 | 113 | 237.48 |
| **70** | D28 | B28 | 113 | 237.27 | 113 | 237.27 |
| **71** | D28 | B28 | 0 | 0.00 | 0 | 0.00 |
| **72** | D28 | B28 | 0 | 0.00 | 0 | 0.00 |
| **73** | H28 | B28 | 0 | 0.00 | 0 | 0.00 |
| **74** | H28 | B28 | 0 | 0.00 | 0 | 0.00 |
| **75** | F28 | B28 | 9 | 196.11 | 9 | 196.11 |
| **76** | F28 | B28 | 9 | 195.99 | 9 | 195.99 |
| **89** | G28 | G28 | 0 | 0.00 | 0 | 0.00 |
| **90** | H28 | H28 | 0 | 0.00 | 0 | 0.00 |
| **91** | C28 | F28 | 61 | 343.49 | 61 | 343.49 |
| **92** | E28 | F28 | 52 | 292.29 | 52 | 292.29 |
| **94** | G28 | G28 | 0 | 0.00 | 0 | 0.00 |
| **95** | G28 | F28 | 102 | 205.62 | 102 | 205.62 |
| **96** | G28 | G28 | 0 | 0.00 | 0 | 0.00 |
| **100** | E28 | B28 | 248 | 139.22 | 248 | 139.22 |
| **102** | A28 | C28 | 371 | 545.90 | 371 | 545.90 |
| **103** | H28 | H28 | 0 | 0.00 | 0 | 0.00 |
| **104** | C28 | G28 | 370 | 351.46 | 370 | 351.46 |
| **106** | F28 | F28 | 0 | 0.00 | 0 | 0.00 |
| **107** | A28 | B28 | 26 | 550.68 | 26 | 550.68 |
| **109** | C28 | G28 | 569 | 203.13 | 569 | 203.13 |
| **110** | E28 | G28 | 22 | 311.94 | 22 | 311.94 |
| **112** | F28 | G28 | 41 | 24.52 | 41 | 24.52 |
| **113** | F28 | A28 | 73 | 153.52 | 73 | 153.52 |
| **114** | C28 | H28 | 0 | 0.00 | 0 | 0.00 |
| **115** | B28 | C28 | 9 | 98.26 | 9 | 98.26 |
| **116** | B28 | G28 | 0 | 0.00 | 0 | 0.00 |
| **117** | F28 | C28 | 5 | 197.47 | 5 | 197.47 |
| **118** | G28 | C28 | 0 | 0.00 | 0 | 0.00 |
| **119** | G28 | E28 | 112 | 141.33 | 112 | 141.33 |
| **120** | C28 | C28 | 0 | 0.00 | 0 | 0.00 |
| **121** | E28 | C28 | 39 | 439.48 | 39 | 439.48 |
| **122** | E28 | E28 | 0 | 0.00 | 0 | 0.00 |
| **123** | D28 | C28 | 137 | 392.33 | 137 | 392.33 |
| **124** | D28 | E28 | 25 | 416.12 | 25 | 416.12 |
| **125** | H28 | A28 | 0 | 0.00 | 0 | 0.00 |
| **126** | H28 | E28 | 0 | 0.00 | 0 | 0.00 |
| **127** | F28 | C28 | 8 | 209.71 | 8 | 209.71 |
| **128** | F28 | E28 | 5 | 229.69 | 5 | 229.69 |
| **137** | H28 | G28 | 0 | 0.00 | 0 | 0.00 |
| **138** | H28 | G28 | 0 | 0.00 | 0 | 0.00 |
| **142** | C28 | H28 | 0 | 0.00 | 0 | 0.00 |
| **143** | E28 | H28 | 0 | 0.00 | 0 | 0.00 |
| **146** | B28 | E28 | 431 | 131.02 | 431 | 131.02 |
| **147** | A28 | G28 | 578 | 1265.13 | 578 | 1265.13 |
| **148** | A28 | H28 | 0 | 0.00 | 0 | 0.00 |
| **149** | A28 | A28 | 0 | 0.00 | 0 | 0.00 |
| **150** | E28 | B28 | 261 | 139.84 | 261 | 139.84 |
| **154** | E28 | A28 | 8 | 311.64 | 8 | 311.64 |
| **166** | B28 | C28 | 88 | 100.21 | 88 | 100.21 |
| **168** | G28 | A28 | 357 | 63.94 | 357 | 63.94 |

| | | | | | | |
|---|---|---|---|---|---|---|
| **171** | G28 | H28 | 0 | 0.00 | 0 | 0.00 |
| **185** | A28 | B28 | 26 | 551.32 | 26 | 551.32 |
| **186** | A28 | C28 | 25 | 541.17 | 25 | 541.17 |
| **195** | D28 | G28 | 158 | 191.52 | 158 | 191.52 |
| **196** | D28 | F28 | 152 | 183.72 | 152 | 183.72 |
| **198** | D28 | A28 | 3 | 197.46 | 3 | 197.46 |
| **234** | C28 | G28 | 150 | 355.64 | 150 | 355.64 |
| **235** | E28 | G28 | 0 | 0.00 | 0 | 0.00 |
| **236** | E28 | H28 | 0 | 0.00 | 0 | 0.00 |
| **255** | C28 | A28 | 3 | 224.49 | 3 | 224.49 |
| **291** | C28 | A28 | 598 | 181.82 | 598 | 181.82 |
| **294** | C28 | B28 | 19 | 187.83 | 19 | 187.83 |
| **295** | C28 | B28 | 19 | 186.81 | 19 | 186.81 |
| **296** | D28 | G28 | 81 | 194.82 | 81 | 194.82 |
| **297** | D28 | H28 | 0 | 0.00 | 0 | 0.00 |
| **303** | B28 | G28 | 335 | 622.24 | 335 | 622.24 |
| **304** | B28 | H28 | 0 | 0.00 | 0 | 0.00 |
| **305** | B28 | A28 | 0 | 0.00 | 0 | 0.00 |
| **306** | B28 | A28 | 38 | 567.90 | 38 | 567.90 |
| **307** | B28 | B28 | 0 | 0.00 | 0 | 0.00 |
| **308** | B28 | B28 | 0 | 0.00 | 0 | 0.00 |
| **341** | A28 | A28 | 0 | 0.00 | 0 | 0.00 |
| **353** | A28 | G28 | 291 | 751.50 | 291 | 751.50 |
| **354** | A28 | F28 | 170 | 743.53 | 170 | 743.53 |
| **355** | A28 | G28 | 0 | 0.00 | 0 | 0.00 |
| **356** | A28 | H28 | 0 | 0.00 | 0 | 0.00 |
| **426** | B28 | G28 | 172 | 427.58 | 172 | 427.58 |
| **427** | B28 | F28 | 51 | 419.61 | 51 | 419.61 |
| **428** | B28 | H28 | 0 | 0.00 | 0 | 0.00 |
| **444** | B28 | D28 | 287 | 128.78 | 287 | 128.78 |
| **445** | B28 | E28 | 194 | 127.04 | 194 | 127.04 |
| **454** | G28 | B28 | 72 | 104.48 | 72 | 104.48 |
| **455** | F28 | H28 | 0 | 0.00 | 0 | 0.00 |
| **458** | H28 | F28 | 0 | 0.00 | 0 | 0.00 |
| **461** | F28 | H28 | 0 | 0.00 | 0 | 0.00 |
| **477** | G28 | C28 | 0 | 0.00 | 0 | 0.00 |
| **478** | C28 | C28 | 0 | 0.00 | 0 | 0.00 |
| **479** | C28 | C28 | 0 | 0.00 | 0 | 0.00 |
| **480** | C28 | C28 | 0 | 0.00 | 0 | 0.00 |
| **481** | E28 | C28 | 4 | 366.07 | 4 | 366.07 |
| **482** | E28 | C28 | 0 | 0.00 | 0 | 0.00 |
| **483** | E28 | C28 | 0 | 0.00 | 0 | 0.00 |
| **484** | D28 | C28 | 0 | 0.00 | 0 | 0.00 |
| **485** | D28 | C28 | 0 | 0.00 | 0 | 0.00 |
| **486** | H28 | C28 | 0 | 0.00 | 0 | 0.00 |
| **488** | G28 | D28 | 128 | 146.82 | 128 | 146.82 |
| **489** | G28 | E28 | 112 | 139.77 | 112 | 139.77 |
| **490** | A28 | D28 | 2 | 692.12 | 2 | 692.12 |
| **491** | A28 | E28 | 69 | 691.11 | 69 | 691.11 |
| **492** | E28 | E28 | 0 | 0.00 | 0 | 0.00 |
| **493** | D28 | D28 | 0 | 0.00 | 0 | 0.00 |
| **494** | D28 | E28 | 25 | 413.52 | 25 | 413.52 |
| **495** | H28 | D28 | 0 | 0.00 | 0 | 0.00 |
| **496** | H28 | E28 | 0 | 0.00 | 0 | 0.00 |
| **497** | F28 | D28 | 69 | 226.49 | 69 | 226.49 |
| **498** | F28 | E28 | 5 | 225.48 | 5 | 225.48 |
| **501** | A28 | E28 | 410 | 564.19 | 410 | 564.19 |
| **506** | H28 | C28 | 0 | 0.00 | 0 | 0.00 |

| | | | | | | |
|---|---|---|---|---|---|---|
| **507** | G28 | C28 | 358 | 110.57 | 358 | 110.57 |
| **508** | C28 | C28 | 0 | 0.00 | 0 | 0.00 |
| **509** | E28 | C28 | 39 | 439.13 | 39 | 439.13 |
| **510** | D28 | C28 | 137 | 392.77 | 137 | 392.77 |
| **511** | H28 | C28 | 0 | 0.00 | 0 | 0.00 |
| **512** | F28 | C28 | 8 | 200.63 | 8 | 200.63 |

# Final Prediction Table

## Traffic Stream Results

| | | | | SIGNALS | | FLOWS | | PERFORMANCE | | | | PER PCU | | | QUEUES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Arm** | **Traffic Stream** | **Name** | **Traffic node** | **Controller stream** | **Phase** | **Calculated flow entering (PCU/hr)** | **Calculated sat flow (PCU/hr)** | **Actual green (s (per cycle))** | **Wasted time total (s (per cycle))** | **Degree of saturation (%)** | **Practical reserve capacity (%)** | **JourneyTime (s)** | **Mean Delay per Veh (s)** | **Mean stops per Veh (%)** | **Mean max queue (PCU)** |
| **A** | **1** | (untitled) | 6 | 771-2 | E | 430 | 2050 | 36 | 0.00 | 66 | 36 | 24.57 | 18.98 | 88.09 | 8.00 |
| | **2** | (untitled) | 6 | 771-2 | E | 166 | 2050 | 36 | 0.00 | 26 | 252 | 17.09 | 11.32 | 65.57 | 2.41 |
| | **3** | (untitled) | 6 | 771-2 | E | 366 | 2050 | 36 | 0.00 | 56 | 60 | 21.18 | 15.28 | 78.32 | 5.49 |
| | **4** | (untitled) | 6 | 771-2 | E | 541 | 2050 | 36 | 0.00 | 83 | 8 | 34.14 | 28.12 | 103.64 | 11.75 |
| **Ac** | **1** | (untitled) | 6 | 771-2 | D | 1114 | 2263 | 64 | 2.00 | 89 | 1 | 27.24 | 20.06 | 52.70 | 12.85 |
| | **2** | (untitled) | 6 | 771-2 | D | 230 | 2263 | 64 | 46.00 | 18 | 388 | 9.82 | 0.33 | 0.00 | 0.02 |
| | **3** | (untitled) | 6 | 771-2 | D | 387 | 2263 | 64 | 16.00 | 31 | 190 | 7.81 | 1.21 | 15.54 | 4.79 |
| **Acf** | **1** | (untitled) | 6 | | | 1343 | 2263 | 120 | 36.00 | 59 | 52 | 6.38 | 1.16 | 0.00 | 0.43 |
| | **2** | (untitled) | 6 | | | 387 | 2263 | 120 | 70.00 | 17 | 426 | 7.41 | 0.16 | 0.00 | 0.02 |
| **Af** | **1** | (untitled) | 6 | | | 596 | 2050 | 120 | 25.00 | 29 | 210 | 6.78 | 0.36 | 0.00 | 0.06 |
| | **2** | (untitled) | 6 | | | 366 | 2050 | 120 | 27.00 | 18 | 404 | 6.55 | 0.19 | 0.00 | 0.02 |
| | **3** | (untitled) | 6 | | | 541 | 2050 | 120 | 25.00 | 26 | 241 | 6.64 | 0.31 | 0.00 | 0.05 |
| **B** | **1** | (untitled) | 1 | 769-1 | B | 321 | 2050 | 42 | 0.00 | 43 | 111 | 18.94 | 11.84 | 60.40 | 3.25 |
| | **2** | (untitled) | 1 | 769-1 | B | 330 | 2150 | 42 | 0.28 | 42 | 113 | 19.03 | 11.74 | 60.27 | 3.33 |
| | **3** | (untitled) | 1 | 769-1 | B | 404 | 2100 | 42 | 18.00 | 52 | 72 | 37.91 | 30.43 | 103.35 | 6.96 |
| | **4** | (untitled) | 1 | 769-1 | B | 439 < | 2050 | 42 | 18.31 | 100 | -10 | 201.46 | 189.17 | 290.74 | 27.39 + |
| **Bc** | **1** | (untitled) | 1 | 769-1 | A | 396 | 2050 | 54 | 8.00 | 41 | 118 | 16.41 | 6.48 | 41.70 | 4.91 |
| | **2** | (untitled) | 1 | 769-1 | A | 535 | 2050 | 54 | 8.37 | 56 | 60 | 17.77 | 7.95 | 45.34 | 7.60 |
| | **3** | (untitled) | 1 | 769-1 | A | 759 | 2050 | 54 | 5.00 | 79 | 13 | 22.29 | 12.58 | 54.18 | 20.05 |
| **Bcf** | **1** | (untitled) | 1 | | | 1544 | 2263 | 120 | 18.00 | 68 | 32 | 5.87 | 1.70 | 0.00 | 0.73 |
| | **2** | (untitled) | 1 | | | 396 | 2263 | 120 | 62.00 | 17 | 415 | 5.29 | 0.17 | 0.00 | 0.02 |
| | **3** | (untitled) | 1 | | | 535 | 2263 | 120 | 34.00 | 24 | 281 | 6.01 | 0.25 | 0.00 | 0.04 |
| | **4** | (untitled) | 1 | | | 759 | 2263 | 120 | 34.19 | 34 | 168 | 6.23 | 0.40 | 0.34 | 2.05 |
| **Bf** | **1** | (untitled) | 1 | | | 651 | 1800 | 120 | 0.00 | 36 | 149 | 27.90 | 0.57 | 0.00 | 0.10 |
| | **2** | (untitled) | 1 | | | 843 < | 1800 | 120 | 61.23 | 96 | -6 | 139.47 | 112.06 | 297.08 | 46.35 + |
| **C** | **1** | (untitled) | 2 | 769-2 | G | 528 | 2100 | 34 | 0.00 | 84 | 7 | 48.27 | 33.73 | 109.32 | 9.76 |
| | **2** | (untitled) | 2 | 769-2 | G | 481 | 2200 | 34 | 1.09 | 75 | 20 | 42.16 | 27.39 | 96.89 | 7.80 |
| | **3** | (untitled) | 2 | 769-2 | G | 578 < | 2050 | 34 | 0.00 | 94 | -4 | 136.70 | 121.77 | 235.56 | 25.71 + |
| **Cf** | **1** | (untitled) | 2 | | | 1009 | 1965 | 120 | 0.00 | 51 | 75 | 18.32 | 0.97 | 0.00 | 0.27 |
| | **2** | (untitled) | 2 | | | 596 < | 1965 | 120 | 84.73 | 103 | -13 | 168.55 | 151.04 | 215.00 | 31.96 + |
| **D** | **1** | (untitled) | 3 | 770-1 | B | 515 | 2050 | 34 | 0.00 | 84 | 8 | 46.82 | 42.70 | 105.76 | 9.19 |
| | **2** | (untitled) | 3 | 770-1 | B | 555 < | 1850 | 34 | 0.00 | 100 | -10 | 117.26 | 113.13 | 147.33 | 20.57 + |
| | **3** | (untitled) | 3 | 770-1 | B | 572 < | 2250 | 34 | 0.46 | 86 | 5 | 38.26 | 34.29 | 96.99 | 9.34 + |
| | **4** | (untitled) | 3 | 770-1 | B | 636 < | 2250 | 34 | 0.00 | 94 | -4 | 56.31 | 52.15 | 121.64 | 13.61 + |
| **Dc** | **1** | (untitled) | 3 | 770-1 | A | 884 | 2100 | 66 | 2.08 | 74 | 21 | 16.19 | 12.42 | 53.94 | 7.97 |
| | **2** | (untitled) | 3 | 770-1 | A | 873 | 2100 | 66 | 1.83 | 74 | 21 | 16.99 | 13.36 | 54.91 | 7.99 |
| | **3** | (untitled) | 3 | 770-1 | A | 668 | 2100 | 66 | 15.19 | 70 | 29 | 14.29 | 10.81 | 71.95 | 6.51 |
| | **4** | (untitled) | 3 | 770-1 | A | 800 < | 2100 | 66 | 22.27 | 100 | -10 | 84.16 | 80.82 | 105.39 | 20.62 + |
| **Dcf** | **1** | (untitled) | 3 | | | 913 | 2050 | 120 | 32.00 | 45 | 102 | 5.65 | 0.70 | 0.00 | 0.18 |
| | **2** | (untitled) | 3 | | | 205 | 2100 | 120 | 88.00 | 10 | 821 | 5.04 | 0.09 | 0.00 | 0.01 |
| | **3** | (untitled) | 3 | | | 884 | 2100 | 120 | 48.75 | 57 | 57 | 8.06 | 3.08 | 20.17 | 7.39 |
| | **4** | (untitled) | 3 | | | 873 | 2100 | 120 | 50.80 | 59 | 52 | 9.12 | 4.13 | 22.52 | 7.39 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | (untitled) | 3 | | | 668 | 2100 | 120 | 35.65 | 32 | 179 | 5.47 | 0.46 | 2.61 | 2.40 |
| | 6 | (untitled) | 3 | | | 800 < | 2100 | 120 | 74.27 | 100 | -10 | 92.31 | 87.28 | 126.02 | 24.92 + |
| Df | 1 | (untitled) | 3-2 | | | 1120 < | 1900 | 120 | 52.43 | 105 | -14 | 141.07 | 117.07 | 219.83 | 50.48 + |
| | 2 | (untitled) | 3-2 | | | 1208 | 2250 | 120 | 14.50 | 61 | 47 | 26.18 | 2.18 | 20.64 | 5.51 |
| Dxp | 1 | (untitled) | 3-2 | 770-2 | D | 989 | 2050 | 101 | 18.00 | 57 | 59 | 5.15 | 1.66 | 4.73 | 1.75 |
| | 2 | (untitled) | 3-2 | 770-2 | D | 210 | 2050 | 101 | 57.00 | 12 | 646 | 3.92 | 0.27 | 1.65 | 0.14 |
| Ec | 1 | (untitled) | 4 | 770-3 | F | 832 | 2150 | 70 | 2.00 | 65 | 39 | 12.88 | 9.12 | 49.71 | 7.18 |
| | 2 | (untitled) | 4 | 770-3 | F | 1223 < | 2263 | 70 | 0.00 | 90 | 0 | 20.03 | 16.40 | 51.64 | 10.73 + |
| | 3 | (untitled) | 4 | 770-3 | F | 1336 < | 2263 | 70 | 0.00 | 98 | -8 | 45.28 | 41.78 | 83.23 | 20.00 + |
| | 4 | (untitled) | 4 | 770-3 | F | 635 | 2250 | 70 | 24.00 | 47 | 91 | 14.62 | 11.23 | 67.01 | 7.11 |
| Ecf | 1 | (untitled) | 4 | | | 968 | 2100 | 120 | 18.53 | 46 | 94 | 4.25 | 0.80 | 2.01 | 4.87 |
| | 2 | (untitled) | 4 | | | 1304 | 2100 | 120 | 17.97 | 63 | 44 | 5.07 | 1.59 | 3.48 | 5.40 |
| | 3 | (untitled) | 4 | | | 1223 | 2263 | 120 | 37.72 | 70 | 28 | 9.48 | 5.96 | 33.14 | 7.13 |
| | 4 | (untitled) | 4 | | | 1336 < | 2300 | 120 | 47.33 | 86 | 4 | 16.42 | 12.85 | 42.71 | 9.41 + |
| | 5 | (untitled) | 4 | | | 673 | 2300 | 120 | 64.34 | 38 | 135 | 8.68 | 5.04 | 36.01 | 5.05 |
| Ef | 1 | (untitled) | 4 | | | 907 < | 1900 | 120 | 67.19 | 108 | -17 | 188.99 | 173.69 | 257.87 | 54.15 + |
| | 2 | (untitled) | 4 | | | 509 | 1900 | 120 | 0.00 | 27 | 236 | 15.65 | 0.35 | 0.00 | 0.05 |
| Exp | 1 | (untitled) | 4-2 | 770-4 | L | 968 | 2050 | 100 | 14.00 | 56 | 60 | 5.76 | 1.87 | 8.27 | 5.05 |
| | 2 | (untitled) | 4-2 | 770-4 | L | 472 | 2050 | 100 | 12.00 | 27 | 229 | 5.09 | 1.07 | 8.23 | 2.37 |
| F | 1 | (untitled) | 5 | 771-1 | B | 310 | 2100 | 16 | 0.00 | 98 | -9 | 115.11 | 108.73 | 190.67 | 11.96 |
| | 2 | (untitled) | 5 | 771-1 | B | 310 | 2100 | 16 | 0.00 | 98 | -9 | 115.16 | 108.73 | 190.67 | 11.96 |
| | 3 | (untitled) | 5 | 771-1 | B | 324 < | 2100 | 16 | 0.00 | 103 | -12 | 252.18 | 245.63 | 300.91 | 24.95 + |
| Fc | 1 | (untitled) | 5 | 771-1 | A | 1440 | 2263 | 84 | 8.00 | 89 | 1 | 29.42 | 10.31 | 34.75 | 9.16 |
| | 2 | (untitled) | 5 | 771-1 | A | 1367 | 2263 | 84 | 13.50 | 92 | -3 | 38.92 | 20.21 | 69.64 | 30.34 |
| | 3 | (untitled) | 5 | 771-1 | A | 1172 | 2263 | 84 | 20.47 | 73 | 24 | 26.02 | 6.68 | 67.37 | 22.06 |
| Ff | 1 | (untitled) | 5 | | | 620 | 1900 | 120 | 0.00 | 33 | 176 | 33.55 | 0.46 | 0.00 | 0.08 |
| | 2 | (untitled) | 5 | | | 324 | 1900 | 120 | 38.68 | 25 | 258 | 36.05 | 3.00 | 20.40 | 1.49 |
| G | 1 | (untitled) | 2 | 769-2 | F | 280 | 2050 | 32 | 17.17 | 50 | 80 | 55.31 | 39.25 | 105.85 | 4.91 |
| | 2 | (untitled) | 2 | 769-2 | F | 267 | 2050 | 32 | 17.17 | 48 | 89 | 55.30 | 43.85 | 109.32 | 5.06 |
| Gf | 1 | (untitled) | 4 | | | 261 | 2050 | 120 | 90.03 | 13 | 607 | 3.05 | 0.13 | 0.50 | 2.33 |
| | 2 | (untitled) | 4 | | | 248 | 2050 | 120 | 90.03 | 12 | 644 | 3.01 | 0.13 | 0.50 | 2.33 |
| xA | 1 | (untitled) | 10 | | | 1607 | 2263 | 120 | 24.71 | 75 | 21 | 20.09 | 2.87 | 9.79 | 8.06 |
| | 2 | (untitled) | 10 | | | 1577 | 2263 | 120 | 22.15 | 72 | 25 | 19.99 | 2.74 | 11.05 | 33.40 |
| xB | 1 | (untitled) | | | | 1544 | Unrestricted | 120 | 1.00 | 0 | Unrestricted | 5.79 | 0.00 | 0.00 | 0.00 |
| xC | 1 | (untitled) | | | | 494 | 1900 | 120 | 69.02 | 48 | 88 | 15.53 | 6.86 | 57.70 | 7.21 |
| | 2 | (untitled) | | | | 481 | 1900 | 120 | 67.95 | 46 | 96 | 15.06 | 6.36 | 58.59 | 7.19 |
| xD | 1 | (untitled) | | | | 989 | Unrestricted | 120 | 14.00 | 0 | Unrestricted | 9.13 | 0.00 | 0.00 | 0.00 |
| | 2 | (untitled) | | | | 210 | Unrestricted | 120 | 62.00 | 0 | Unrestricted | 9.21 | 0.00 | 0.00 | 0.00 |
| xE | 1 | (untitled) | | | | 968 | Unrestricted | 120 | 12.00 | 0 | Unrestricted | 13.04 | 0.00 | 0.00 | 0.00 |
| | 2 | (untitled) | | | | 472 | Unrestricted | 120 | 12.00 | 0 | Unrestricted | 13.04 | 0.00 | 0.00 | 0.00 |
| xF | 1 | (untitled) | | | | 883 | Unrestricted | 120 | 6.00 | 0 | Unrestricted | 12.19 | 0.00 | 0.00 | 0.00 |
| Cc1 | 1 | (untitled) | 2 | 769-2 | E | 427 | 2050 | 60 | 12.00 | 40 | 123 | 12.73 | 6.09 | 22.88 | 2.66 |
| E1 | 1 | (untitled) | 4 | 770-3 | G | 299 | 2050 | 28 | 12.00 | 58 | 54 | 42.37 | 36.37 | 107.70 | 5.37 |
| | 2 | (untitled) | 4 | 770-3 | G | 537 < | 2200 | 28 | 0.00 | 98 | -8 | 130.14 | 124.14 | 191.18 | 22.32 + |
| Gf1 | 1 | (untitled) | 4 | | | 38 | 668 | 120 | 86.00 | 6 | 1482 | 5.78 | 2.19 | 38.93 | 0.33 |
| Cc2 | 2 | (untitled) | 2 | 769-2 | D | 825 | 2150 | 58 | 10.19 | 80 | 13 | 27.73 | 17.70 | 79.56 | 15.03 |
| | 3 | (untitled) | 2 | 769-2 | D | 392 | 2050 | 58 | 15.00 | 38 | 135 | 14.39 | 3.97 | 19.88 | 1.65 |
| | 4 | (untitled) | 2 | 769-2 | D | 649 | 2150 | 58 | 5.00 | 60 | 49 | 27.43 | 17.87 | 83.28 | 9.41 |
| | 5 | (untitled) | 2 | 769-2 | D | 452 | 2050 | 58 | 10.00 | 44 | 104 | 24.14 | 15.53 | 83.78 | 6.27 |
| | 6 | (untitled) | 2 | 769-2 | D | 439 < | 2050 | 58 | 34.31 | 100 | -10 | 163.03 | 155.06 | 247.64 | 23.49 + |
| E2 | 3 | (untitled) | 4 | 770-3 | H | 261 | 2150 | 28 | 0.56 | 49 | 82 | 26.67 | 22.67 | 83.79 | 3.65 |
| | 4 | (untitled) | 4 | 770-3 | H | 248 | 2050 | 28 | 0.00 | 48 | 86 | 26.56 | 22.48 | 83.71 | 3.46 |
| TC5 | 2 | (untitled) | TC771-6 | TC777-1 | A | 1068 | 2263 | 99 | 13.00 | 56 | 61 | 4.91 | 2.15 | 8.49 | 3.02 |
| | 3 | (untitled) | TC771-6 | TC777-1 | A | 1577 < | 2263 | 99 | 10.00 | 83 | 9 | 7.66 | 4.90 | 9.15 | 4.86 + |
| | 4 | (untitled) | TC771-6 | TC777-1 | C | 0 | 1800 | 11 | 12.00 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TC9** | **1** | (untitled) | TC771-6 | TC777-1 | B | 501 | 1925 | 84 | 0.00 | 36 | 151 | 17.86 | 6.86 | 33.44 | 5.92 |
| | **2** | (untitled) | TC771-6 | TC777-1 | B | 358 | 1966 | 84 | 0.00 | 25 | 258 | 17.03 | 5.98 | 31.18 | 3.72 |
| | **3** | (untitled) | TC771-6 | TC777-1 | B | 454 | 1947 | 84 | 0.00 | 32 | 180 | 17.64 | 6.52 | 33.05 | 5.01 |
| **TC35** | **1** | (untitled) | TC771-6 | TC777-1 | A | 539 | 1900 | 99 | 11.00 | 34 | 167 | 5.48 | 2.58 | 18.68 | 2.98 |
| **TC36** | **1** | (untitled) | TC771-6 | | | 231 | 1800 | 120 | 0.00 | 13 | 601 | 3.17 | 0.15 | 0.00 | 0.01 |
| **TC37** | **1** | (untitled) | TC771-6 | TC777-2 | J | 41 | 1850 | 105 | 105.00 | 3 | 3487 | 4.09 | 0.90 | 11.69 | 0.16 |
| **TC38** | **1** | (untitled) | TC771-6 | | | 41 | 209 | 120 | 35.00 | 20 | 358 | 13.02 | 11.49 | 70.77 | 2.44 |
| **TC39** | **2** | (untitled) | TC771-6 | | | 1068 | 2263 | 120 | 32.00 | 47 | 91 | 3.25 | 0.71 | 0.00 | 0.21 |
| | **3** | (untitled) | TC771-6 | | | 1577 | 2263 | 120 | 29.00 | 70 | 29 | 4.22 | 1.82 | 0.00 | 0.80 |
| **TC40** | **2** | (untitled) | TC771-6 | | | 1109 | Unrestricted | 120 | 11.00 | 0 | Unrestricted | 4.23 | 0.00 | 0.00 | 0.00 |
| | **3** | (untitled) | TC771-6 | | | 1577 | Unrestricted | 120 | 15.00 | 0 | Unrestricted | 4.02 | 0.00 | 0.00 | 0.00 |
| **TC41** | **1** | (untitled) | TC771-6 | TC777-1 | D | 95 | 1850 | 7 | 0.00 | 77 | 17 | 102.18 | 98.25 | 127.91 | 4.15 |
| | **2** | (untitled) | TC771-6 | TC777-1 | D | 95 | 1850 | 7 | 0.00 | 77 | 17 | 102.21 | 98.25 | 127.91 | 4.15 |
| **TC42** | **1** | (untitled) | TC771-6 | TC777-1 | E | 0 | 0 | 0 | 0.00 | 0 | -100 | 0.00 | 0.00 | 0.00 | 0.00 |
| **TC43** | **1** | (untitled) | | | | 0 | 1800 | 120 | 120.00 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 0.00 |
| **47** | **1** | (untitled) | 2 | | | 974 | 1300 | 120 | 14.00 | 75 | 20 | 20.13 | 4.10 | 0.00 | 1.11 |
| **48** | **1** | (untitled) | 2 | | | 1605 | 1965 | 120 | 0.00 | 82 | 10 | 10.64 | 4.03 | 0.00 | 1.79 |
| **49** | **1** | (untitled) | TC771-6 | | | 501 | 1900 | 120 | 0.00 | 26 | 241 | 3.49 | 0.34 | 0.00 | 0.05 |
| | **2** | (untitled) | TC771-6 | | | 812 | 1900 | 120 | 0.00 | 43 | 111 | 3.86 | 0.71 | 0.00 | 0.16 |
| **50** | **1** | (untitled) | 1 | | | 1968 < | 1900 | 120 | 25.63 | 132 | -32 | 446.43 | 440.66 | 355.46 | 262.96 + |
| **51** | **1** | (untitled) | 4-2 | | | 944 | 1900 | 120 | 0.00 | 50 | 81 | 5.43 | 0.93 | 0.00 | 0.24 |

## Pedestrian Crossing Results

| | | | | SIGNALS | | FLOWS | | PERFORMANCE | | | PER PED | | QUEUES | WEIGHTS | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pedestrian | Side | Name | Traffic node | Controller stream | Phase | Calculated Flow Entering (Ped/hr) | Calculated sat flow (Ped/hr) | Actual green (s (per cycle)) | Degree of saturation (%) | Practical reserve capacity | JourneyTime (s) | Mean Delay per Ped (s) | Mean max queue (Ped) | Delay weighting (%) | |
| 1 | 1 | (untitled) | 3-2 | 770-2 | E | 0 | 11000 | 7 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| | 2 | (untitled) | 3-2 | 770-2 | E | 0 | 11000 | 7 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| 2 | 1 | (untitled) | 3 | 770-1 | C | 0 | 11000 | 58 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| | 2 | (untitled) | 3 | 770-1 | C | 0 | 11000 | 58 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| 3 | 1 | (untitled) | 4-2 | 770-4 | M | 0 | 11000 | 8 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| | 2 | (untitled) | 4-2 | 770-4 | M | 0 | 11000 | 8 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| 4 | 1 | (untitled) | 4 | 770-3 | J | 0 | 11000 | 68 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| | 2 | (untitled) | 4 | 770-3 | J | 0 | 11000 | 68 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| 5 | 1 | (untitled) | 4 | 770-3 | I | 0 | 11000 | 68 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| | 2 | (untitled) | 4 | 770-3 | I | 0 | 11000 | 68 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| 6 | 1 | (untitled) | 4 | 770-3 | K | 0 | 0 | 0 | 0 | -100 | 0.00 | 0.00 | 0.00 | 100 | |
| | 2 | (untitled) | 4 | 770-3 | K | 0 | 0 | 0 | 0 | -100 | 0.00 | 0.00 | 0.00 | 100 | |
| 7 | 1 | (untitled) | 5 | 771-1 | C | 0 | 11000 | 72 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| | 2 | (untitled) | 5 | 771-1 | C | 0 | 11000 | 72 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| 8 | 1 | (untitled) | 1 | 769-1 | C | 0 | 0 | 0 | 0 | -100 | 0.00 | 0.00 | 0.00 | 100 | |
| | 2 | (untitled) | 1 | 769-1 | C | 0 | 0 | 0 | 0 | -100 | 0.00 | 0.00 | 0.00 | 100 | |
| 9 | 1 | (untitled) | 2 | 769-2 | J | 0 | 11000 | 34 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| | 2 | (untitled) | 2 | 769-2 | J | 0 | 11000 | 34 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| 10 | 1 | (untitled) | 2 | 769-2 | K | 0 | 11000 | 36 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| | 2 | (untitled) | 2 | 769-2 | K | 0 | 11000 | 36 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| 11 | 1 | (untitled) | | 769-2 | H | 0 | 11000 | 60 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| | 2 | (untitled) | | 769-2 | H | 0 | 11000 | 60 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| 12 | 1 | (untitled) | 2 | 769-2 | I | 0 | 11000 | 58 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| | 2 | (untitled) | 2 | 769-2 | I | 0 | 11000 | 58 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| 13 | 1 | (untitled) | | TC777-1 | I | 0 | 11000 | 10 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| | 2 | (untitled) | | TC777-1 | I | 0 | 11000 | 10 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| 14 | 1 | (untitled) | | TC777-1 | F | 0 | 11000 | 100 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| | 2 | (untitled) | | TC777-1 | F | 0 | 11000 | 100 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| 15 | 1 | (untitled) | | TC777-1 | G | 0 | 11000 | 11 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| | 2 | (untitled) | | TC777-1 | G | 0 | 11000 | 11 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| 16 | 1 | (untitled) | | TC777-1 | H | 0 | 11000 | 8 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| | 2 | (untitled) | | TC777-1 | H | 0 | 11000 | 8 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| 17 | 1 | (untitled) | | TC777-2 | K | 0 | 11000 | 5 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |
| | 2 | (untitled) | | TC777-2 | K | 0 | 11000 | 5 | 0 | Unrestricted | 0.00 | 0.00 | 0.00 | 100 | |

## Network Results

| | Distance travelled (PCU-km/hr) | Time spent (PCU-hr/hr) | Mean journey speed (kph) | Total delay (PCU-hr/hr) | Weighted cost of delay (£ per hr) | Weighted cost of stops (£ per hr) | Excess queue penalty (£ per hr) | Performance Index (£ per hr) |
|---|---|---|---|---|---|---|---|---|
| Normal traffic | 7513.16 | 901.84 | 8.33 | 706.88 | 10037.63 | 952.16 | 0.00 | 10989.79 |
| Bus | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Tram | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pedestrians | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 7513.16 | 901.84 | 8.33 | 706.88 | 10037.63 | 952.16 | 0.00 | 10989.79 |

*< = adjusted flow warning (upstream links/traffic streams are over-saturated)*

** = Traffic Stream - Normal, Bus or Tram Stop or Delay weighting has been set to a value other than 100%*

*^ = Traffic Stream - Normal, Bus or Tram Stop or Delay Path weighting has been set to a value other than 100%*

*+ = average link/traffic stream excess queue is greater than 0*

***P.I. = PERFORMANCE INDEX***