TRANSYT 16

Version: 16.0.1.8473

For sales and distribution information, program advice and maintenance, contact TRL:
+44 (0)1344 379777 software@trl.co.uk www.trlsoftware.co.uk

Filename: M62 JN 28 CRF Scheme_Mar 20_PF_Sept 20_RevE.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Base
Report generation date: 24/01/2021 11:00:07

Summary of network performance

	Set ID	**Cycle time (s)**	**PI (£ per hr)**	**Total delay (PCU-hr/hr)**	**Highest DOS**	**Number oversaturated**
	AM Base 2032 + Com Dev + CP - AM 2032 + Com Dev + CP					
Network	A11 D11	120	17890.46	1180.76	168% (TS 51/1)	28 (19%)

There are warnings associated with this model run - see the 'Data Errors and Warnings' tables.

File summary

File description

File title	(untitled)
Location	
Site number	
UTCRegion	
Driving side	Left

Date	01/03/2017
Version	
Status	[no status]
Identifier	
Client	
Jobnumber	
Enumerator	LEEDS\00730414
Description	

Model and Results

Enable controller offsets	Enable fuel consumption	Enable quick flares	Display journey time results	Display OD matrix distances	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	Display controller phase minimums

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

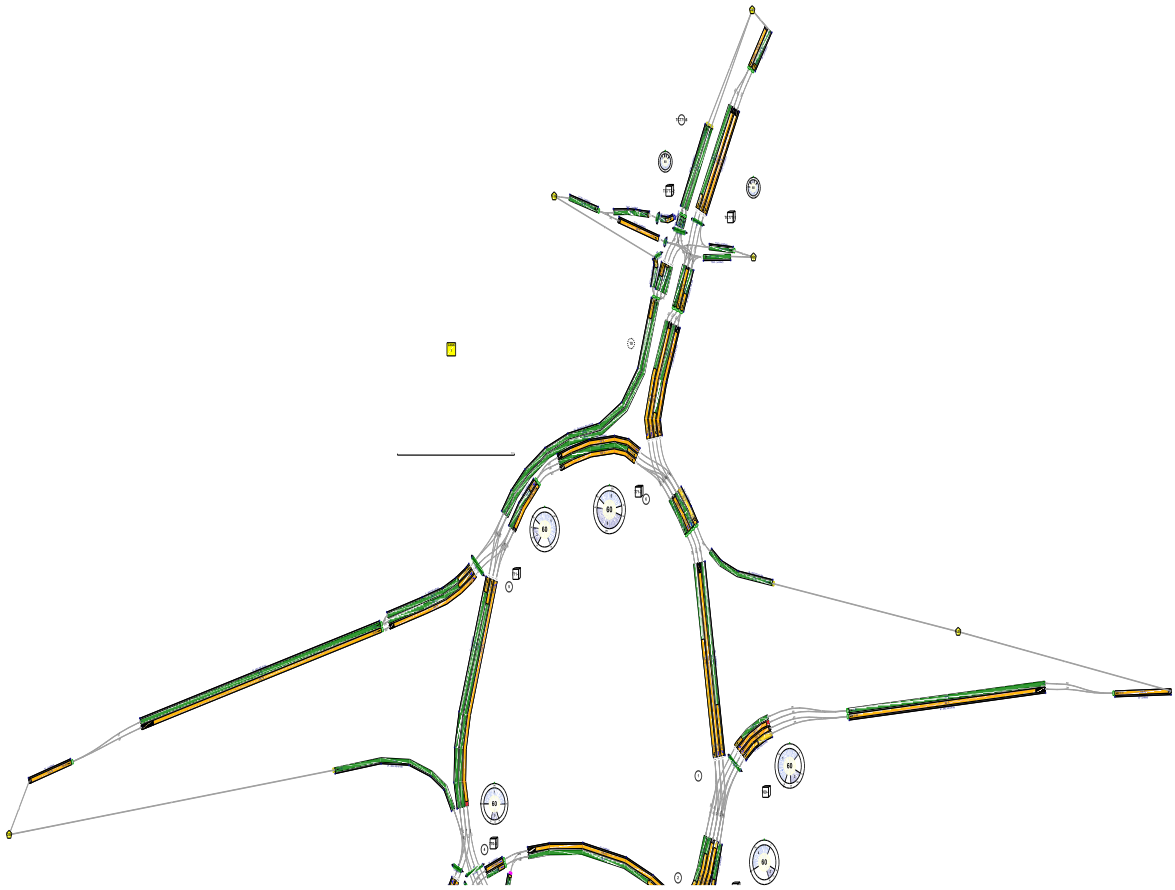
Sorting

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	✓

Simulation options

Criteria type	Stop criteria (%)	Stop criteria time (s)	Stop criteria number of trials	Random seed	Results refresh speed (s)	Average animation capture interval (s)	Use quick response	Do flow sampling	Uniform vehicle generation	Last run random seed	Last run number of trials	Last run time taken (s)
Delay	3.00	999	200	-1	3	60	✓			0	0	0.00

Network Diagrams



A11 - AM Base 2032 + Com Dev + CP
D11 - AM 2032 + Com Dev + CP,

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	Run duration (s)	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	Item with worst overall PRC	Network within capacity
11	24/01/2021 10:58:10	24/01/2021 10:58:27	17.30	07:30	120	17890.46	1180.76	168.29	51/1	28	19	TC42/1	51/1	TC42/1	

Analysis Set Details

Name	Use Simulation	Description	Use specific Demand Set(s)	Specific Demand Set(s)	Optimise specific Demand Set(s)	Include in report	Locked
AM Base 2032 + Com Dev + CP			✓	D11		✓	

Demand Set Details

Scenario name	Time Period name	Description	Composite	Demand sets	Start time (HH:mm)	Locked	Run automatically
AM 2032 + Com Dev + CP		AM 2032 + Com Dev + CP			07:30		✓

Network Options

Network timings

Network cycle time (s)	Minimum possible cycle time (s)	Absolute minimum possible cycle time (s)	Restrict to SCOOT cycle times	Time segment length (min)	Number of time segments	Modelled time period (min)
120	72	64		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)	Missing stage transition options
10000.00	10000.00	10000.00	2	Assume banned

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 traffic model	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
Standard accuracy Hill Climb	15, 40, -1, 15, 40, 1, -1, 1	50, 50, 5, 5, 0.5, 0.5, 0.05, 0.05		✓	TC777-1, TC777-2			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	✓	53.19	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	53.01	✓	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	✓	132.85	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Dews	✓	131.47	✓	Directly entered	2050		2263	✓		Normal	
	3	(untitled)	Brad/M62W	✓	130.10	✓	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	✓	122.36	✓	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	

D	**1**	(untitled)	Brad/M62		55.00	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Leeds		55.00	✓	Directly entered	1850		2075	✓		Normal	
	3	(untitled)	Leeds/M62/Wake	✓	52.87	✓	Directly entered	2250		2250	✓		Normal	
Dc	**1**	(untitled)	Brad	✓	50.67	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	46.78	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	44.83	✓	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)		✓	68.61	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	66.73	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	66.90	✓	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	✓	45.93	✓	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)		✓	50.37	✓	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	
Fc	**1**	(untitled)	Leeds	✓	183.21	✓	Directly entered	2263		2263	✓		Normal	

	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)		✓	155.36	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)		✓	151.80	✓	Directly entered	2050		2050	✓		Normal	
Gf	**1**	(untitled)		✓	40.48	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	40.06	✓	Directly entered	2050		2050			Normal	
xA	**1**	(untitled)		✓	229.66	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	229.97	✓	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	✓	95.84	✓	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)		✓	49.26							✓	Normal	
Cc2	**2**	(untitled)	Dews	✓	91.58	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	89.25	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	88.96	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	88.65	✓	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	
TC42	1	(untitled)		✓	23.35	✓	Sum of lanes	1771			✓		Normal	
TC43	1	(untitled)		✓	51.77	✓	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)											
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)											

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)											
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)											
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)											
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 of saturation 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							
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							
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							
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							
E2	**3**	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
TC 5	**2**	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
TC 9	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
TC 35	**1**	CTM	100	100	100		0.00							
TC 36	**1**	NetworkDefault	100	100	100		0.00							
TC 37	**1**	CTM	100	100	100		0.00							
TC 38	**1**	CTM	100	100	100		0.00							
TC 39	**2**	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
TC 40	**2**	PDM	100	100	100		0.00							
	3	PDM	100	100	100		0.00							
TC 41	**1**	CTM	100	100	100		0.00							
TC 42	**1**	NetworkDefault	100	100	100		0.00							
TC 43	**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**	431	431
	2	219	219
	3	406	406
	4	335	335
Ac	**1**	1161	1161
	2	202	202
	3	325	325
Acf	**1**	1363	1363
	2	325	325
Af	**1**	650	650
	2	406	406
	3	335	335
B	**1**	338	338
	2	446	446
	3	532	532
	4	617	617
Bc	**1**	457	457
	2	617	617
	3	412	412
Bcf	**1**	1592	1592
	2	457	457
	3	617	617
	4	412	412
Bf	**1**	784	784
	2	1149	1149
C	**1**	582	582
	2	684	684
	3	372	372
Cf	**1**	582	582
	2	1056	1056
D	**1**	444	444
	2	867	867
	3	840	840
Dc	**1**	1040	1040
	2	852	852
	3	739	739
	4	989	989
Dcf	**1**	727	727
	2	1307	1307
	3	852	852
	4	739	739
	5	989	989
Df	**1**	1311	1311
	2	840	840
Dxp	**1**	727	727
	2	267	267
Ec	**1**	750	750
	2	1539	1539
	3	1246	1246
	4	611	611
Ecf	**1**	1222	1222
	2	1114	1114
	3	1539	1539
	4	1896	1896
Ef	**1**	935	935

	2	521	521
Exp	**1**	1222	1222
	2	364	364
F	**1**	360	360
	2	201	201
	3	245	245
Fc	**1**	1770	1770
	2	1290	1290
	3	1213	1213
Ff	**1**	561	561
	2	245	245
G	**1**	389	389
	2	171	171
Gf	**1**	386	386
	2	135	135
xA	**1**	1897	1897
	2	1494	1494
xB	**1**	1592	1592
xC	**1**	636	636
	2	368	368
xD	**1**	727	727
	2	267	267
xE	**1**	1222	1222
	2	364	364
xF	**1**	808	808
Cc1	**1**	443	443
E1	**1**	333	333
	2	602	602
Gf1	**1**	39	39
Cc2	**2**	636	636
	3	799	799
	4	924	924
	5	617	617
E2	**3**	386	386
	4	135	135
TC5	**2**	1469	1469
	3	1494	1494
	4	0	0
TC9	**1**	564	564
	2	360	360
	3	300	300
TC35	**1**	428	428
TC36	**1**	201	201
TC37	**1**	35	35
TC38	**1**	35	35
TC39	**2**	1469	1469
	3	1494	1494
TC40	**2**	1504	1504
	3	1494	1494
TC41	**1**	166	166
TC42	**1**	0	0
TC43	**1**	0	0
47	**1**	1003	1003
48	**1**	1638	1638
49	**1**	564	564

	2	660	660
50	**1**	1933	1933
51	**1**	806	806

Signals

Arm	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	
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	
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	
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	6.38	30.00	✓	Nearside	10.60
	3	**1**	TC42/1	Af/3	6.36	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	11.96	40.00	✓	Offside	51.76
	2	**1**	Bcf/3	Bc/2	11.83	40.00	✓	Offside	48.45
	3	**1**	Bcf/4	Bc/3	11.71	40.00	✓	Offside	45.13

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/2	C/2	14.68	30.00	✓	Offside	55.98
	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
Dc	**1**	**1**	Dcf/2	Dc/1	3.80	48.00	✓	Offside	56.07
	2	**1**	Dcf/3	Dc/2	3.65	48.00	✓	Offside	52.76
	3	**1**	Dcf/4	Dc/3	3.51	48.00	✓	Offside	49.44
	4	**1**	Dcf/5	Dc/4	3.36	48.00	✓	Offside	46.13
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**	Cc2/3	Dcf/3	5.15	48.00	✓	Straight	Straight Movement
	4	**1**	C/2	Dcf/4	5.00	48.00	✓	Nearside	58.86
	5	**1**	Cc2/5	Dcf/5	5.02	48.00	✓	Straight	Straight Movement
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/4	Ec/4	3.44	48.00	✓	Offside	67.06
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	3.78	48.00	✓	Offside	66.17
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	15.98	35.00	✓	Offside	88.54
	2	**1**	Gf/2	G/2	11.38	48.00	✓	Offside	85.22
Gf	**1**	**1**	E2/3	Gf/1	3.04	48.00	✓	Straight	Straight Movement
	2	**1**	E2/4	Gf/2	3.00	48.00	✓	Straight	Straight Movement
xA	**1**	**1**	F/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	**1**	F/1	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	8.63	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/4	Gf1/1	3.69	48.00	✓	Offside	25.08
Cc2	**2**	**1**	B/1	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	3	**1**	Bc/3	Cc2/3	5.95	54.00	✓	Straight	Straight Movement
	4	**1**	Bc/3	Cc2/4	5.93	54.00	✓	Straight	Straight Movement
	5	**1**	Bc/3	Cc2/5	5.91	54.00	✓	Offside	97.08
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
TC43	**1**	**1**	TC9/1	TC43/1	3.73	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	6.38	30.00	✓	Straight	Straight Movement
	3	**2**	TC9/3	Af/3	6.36	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**	C/2	Dcf/3	5.15	48.00	✓	Nearside	58.86
	4	**2**	Cc2/3	Dcf/4	8.01	30.00	✓	Straight	Straight Movement
	5	**2**	C/3	Dcf/5	5.02	48.00	✓	Nearside	62.17
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	3.78	48.00	✓	Nearside	49.99
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	15.98	35.00	✓	Offside	17.91
	2	**2**	Gf1/1	G/2	11.38	48.00	✓	Offside	15.13
xA	**1**	**2**	Fc/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	**2**	Fc/2	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	6.39	54.00	✓	Straight	Straight Movement
Cc2	**2**	**2**	Bc/2	Cc2/2	6.11	54.00	✓	Straight	Straight Movement
	3	**2**	B/3	Cc2/3	8.03	40.00	✓	Straight	Straight Movement
	4	**2**	B/2	Cc2/4	8.01	40.00	✓	Straight	Straight Movement
	5	**2**	B/4	Cc2/5	7.98	40.00	✓	Straight	Straight Movement
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	3.73	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**	TC41/1	Af/2	6.38	30.00	✓	Offside	6.19
	3	**3**	TC41/1	Af/3	6.36	30.00	✓	Offside	6.19
Bcf	**2**	**3**	Ac/3	Bcf/2	3.99	57.00	✓	Offside	86.42
Dcf	**3**	**3**	Cc2/4	Dcf/3	8.23	30.00	✓	Straight	Straight Movement
Ecf	**4**	**3**	D/2	Ecf/4	6.04	30.00	✓	Nearside	46.68
xA	**2**	**3**	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
Cc2	**2**	**3**	B/2	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	4	**3**	Bc/2	Cc2/4	5.93	54.00	✓	Straight	Straight Movement
	2	**4**	Bc/1	Cc2/2	6.11	54.00	✓	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
1		TrafficStream	Gf/1	100	0.22	
		TrafficStream	Gf/2	100	0.22	
		TrafficStream	TC39/2	100	0.22	
		TrafficStream	TC39/3	100	0.22	

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	Limit paths by flow	Low path flow threshold
1	(untitled)	✓	✓	Lane Balancing			✓			✓	1.25				

Normal Input Flows (PCU/hr)

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	0	55	332	2	497	131	916	0
	B28	40	0	100	294	627	39	538	0
	C28	578	39	0	262	182	45	1045	0
	D28	3	234	165	0	44	109	251	0
	E28	540	521	84	58	0	40	213	0
	F28	66	14	17	61	8	0	35	0
	G28	365	140	296	131	228	64	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	Normal Calculated Flow (PCU/hr)
1	**23**	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	571
	24		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	25		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	32	I1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	182
	36		C28	E28	Df/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	0
	41		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	522
	42		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	40
	43		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	44		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	45		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	49	I1	C28	D28	Df/1, D/1, Ecf/2, Ec/1, xF/1	Normal	262
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	58
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	191
	86		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	31
	91	I2	C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	45
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	40
	96		A28	C28	50/1, Bf/1, B/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Disabled	0
	97		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
	98		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	99	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	36
	100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Fixed	135
	101		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	283
	103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
	104	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	585
	105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	0
	106		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	119

	107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	28
	108		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	332
	109	I3	C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	230
	110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	22
	111		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	0
	112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	35
	113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	66
	114		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	9
	116		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	6
	117		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	118		F28	C28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	119		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	2
	120		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	2
	121		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	122		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	123		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	124		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	0
	125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	126		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	0
	127		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	0
	128		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	129		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	6
	130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	119
	131		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	123
	132		H28	C28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	133		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	134		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	135		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	136		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	0
	138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	0
	139		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	6
	140		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	141		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	6
	142		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	144		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	145		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	146		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	147		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	2
	148		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	31
	149	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	3
	150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	386
	151		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0
	152		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	153		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	14
	154		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	18
	155		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	4
	156		C28	G28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	60
	157		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	158		B28	D28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	294

	159		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	145
	160		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	206
	161		B28	F28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	39
	162		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	163		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	40
	164		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	165		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	91
	167		B28	E28	48/1, Cf/1, C/1, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	482
	168		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal	365
	169		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	70
	170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	70
	171		G28	H28	49/1, TC9/1, TC43/1	Normal	0
	175		G28	C28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	0
	176		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	71
	177		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	131
	178		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	34
	181		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	185		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	28
	186		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	49
	187		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	327
	195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	198
	196		D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	109
	197		D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	53
	198		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	3
	199		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	99
	200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	99
	201		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	120
	204		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	45
	205		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	27
	206		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	207		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	6
	210		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	617
	211		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	212		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	213		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	102
	214		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	215		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	64
	218		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Fixed	289
	219		A28	F28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	131
	220		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	221		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	222		A28	D28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	2
	223		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	68
	224		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	225		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	226		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	227		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	228		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
	229		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0

	230		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	231		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	10
	232		A28	H28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	233		B28	H28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	234	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	170
	235		E28	G28	Ef/1, E1/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	0
	236		E28	H28	Ef/1, E1/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	237		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	238		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Fixed	36
	239		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
	240		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	59
	241		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	0
	242		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	243		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	244		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	245		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	246		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	40
	247		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	248		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	250		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	251		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	252		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	6
	253		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	2
	254		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	255	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0
	256		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	0
	257		C28	H28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	258		C28	A28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	7
	259		C28	C28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	260		C28	A28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0
	261		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	262		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	263		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	264		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	265		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	266		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	0
	267		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Fixed	0

Signal Timings

Network Default: 120s cycle time; 120 steps

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)
07:30-08:30	A	1	(untitled)	E	420	2050	36	649	65	39	18.60	7.60	58.63	24.18
		2	(untitled)	E	216	2050	36	649	33	171	12.21	2.84	21.28	17.97
		3	(untitled)	E	398	2050	36	475	84	8	35.31	9.06	66.24	41.21
		4	(untitled)	E	329	2050	36	649	51	78	15.64	5.29	37.89	21.66
	Ac	1	(untitled)	D	1042	2263	64	1245	84	7	24.65	17.09	102.54	31.84
		2	(untitled)	D	113	2263	64	1232	9	879	0.98	1.86	11.60	10.47
		3	(untitled)	D	230	2263	64	267	86	4	230.03	16.25	106.22	236.62
	Acf	1	(untitled)		1153	2263	120	2190	53	71	1.10	2.86	23.66	6.32
		2	(untitled)		231	2263	120	230	100	-10	271.41	18.98	154.94	278.65
	Af	1	(untitled)		635	2050	120	2050	31	191	0.39	0.07	0.75	6.82
		2	(untitled)		398	2050	120	2050	19	364	0.21	0.02	0.25	6.59
		3	(untitled)		329	2050	120	2050	16	461	0.17	0.02	0.17	6.53
	B	1	(untitled)	B	322	2050	38	683	47	91	17.97	3.91	23.78	25.07
		2	(untitled)	B	424	2150	38	686	62	46	20.79	5.68	33.59	28.08
		3	(untitled)	B	505	2100	38	688	73	23	32.55	9.41	54.29	40.03
		4	(untitled)	B	586	2050	38	586	100	-10	140.15	29.01	162.89	152.44
	Bc	1	(untitled)	A	358	2050	58	1025	35	157	4.03	2.03	8.77	15.99
		2	(untitled)	A	577	2050	58	595	97	-7	147.43	29.11	127.32	159.26
		3	(untitled)	A	390	2050	58	712	55	64	9.79	6.23	27.53	21.50
	Bcf	1	(untitled)		1463	2263	120	2263	65	39	1.45	0.59	5.40	5.62
		2	(untitled)		357	2263	120	2263	16	471	0.15	0.01	0.13	5.77
		3	(untitled)		576	2263	120	577	100	-10	114.80	21.39	197.24	120.58
		4	(untitled)		389	2263	120	2263	17	423	0.17	0.02	0.16	6.34
	Bf	1	(untitled)		746	1800	120	1800	41	117	0.71	0.15	0.37	28.04
		2	(untitled)		1092	1800	120	1145	95	-6	65.52	45.96	115.68	92.93
	C	1	(untitled)	G	480	2100	30	560	86	5	47.00	10.07	47.82	61.54
		2	(untitled)	G	564	2200	30	587	96	-6	136.62	27.38	128.65	151.30

	3	(untitled)	G	307	2050	30	547	56	60	22.91	5.47	25.31	37.83
Cf	1	(untitled)		480	1965	120	1965	24	268	0.30	0.04	0.16	17.65
	2	(untitled)		871	1965	120	871	100	-10	111.29	38.91	153.40	128.79
D	1	(untitled)	B	332	2050	40	718	46	95	25.00	4.26	44.52	29.12
	2	(untitled)	B	648	1850	40	648	100	-10	101.87	21.52	224.95	106.00
	3	(untitled)	B	755	2250	40	755	100	-10	85.53	20.21	219.81	89.50
Dc	1	(untitled)	A	943	2100	60	1085	87	4	20.83	9.70	110.03	24.63
	2	(untitled)	A	754	2100	60	1085	69	30	12.62	7.66	90.44	16.28
	3	(untitled)	A	675	2100	60	782	86	4	22.17	8.54	105.00	25.68
	4	(untitled)	A	893	2100	60	893	100	-10	74.41	21.41	274.64	77.77
Dcf	1	(untitled)		659	2050	120	2050	32	180	0.42	0.08	0.66	5.36
	2	(untitled)		1188	2100	120	1428	83	8	12.30	10.77	93.91	17.24
	3	(untitled)		758	2100	120	1777	43	111	1.14	2.37	19.83	6.69
	4	(untitled)		676	2100	120	1995	34	166	0.58	1.82	15.72	7.69
	5	(untitled)		893	2100	120	893	100	-10	78.56	25.75	221.32	83.58
Df	1	(untitled)		1311	1900	120	979	134	-33	469.50	183.45	527.43	493.50
	2	(untitled)		840	2250	120	755	111	-19	213.46	58.70	168.75	237.46
Dxp	1	(untitled)	D	655	2050	101	1743	38	139	1.08	1.39	17.08	4.57
	2	(untitled)	D	246	2050	101	1743	14	537	0.39	0.16	1.84	4.04
Ec	1	(untitled)	F	622	2150	70	1290	48	87	6.56	3.74	42.90	10.32
	2	(untitled)	F	1273	2263	70	1358	94	-4	22.88	12.95	153.79	26.51
	3	(untitled)	F	1117	2263	70	1358	82	9	9.37	5.88	72.32	12.88
	4	(untitled)	F	546	2250	70	1350	40	122	13.32	7.06	88.36	16.77
Ecf	1	(untitled)		1076	2100	120	2095	51	75	0.92	4.91	61.52	4.37
	2	(untitled)		949	2100	120	2100	45	99	0.71	0.19	2.31	4.18
	3	(untitled)		1273	2263	120	1641	78	16	7.85	7.78	95.34	11.37
	4	(untitled)		1698	2300	120	1877	90	0	10.72	10.23	116.74	14.56
Ef	1	(untitled)		935	1900	120	835	112	-20	220.34	67.58	304.66	235.64
	2	(untitled)		521	1900	120	1900	27	228	0.36	0.05	0.23	15.66
Exp	1	(untitled)	L	1080	2050	100	1725	63	44	2.72	5.21	57.81	6.61
	2	(untitled)	L	326	2050	100	1725	19	376	0.24	2.34	25.06	4.27
F	1	(untitled)	B	197	2100	20	385	51	76	15.80	3.15	21.28	22.18

	2	(untitled)	B	110	2100	20	385	29	215	11.90	2.38	15.94	18.33
	3	(untitled)	B	157	2100	20	158	99	-9	419.67	19.32	127.34	426.21
Fc	**1**	(untitled)	A	1479	2263	80	1546	96	-6	23.58	15.07	47.29	42.67
	2	(untitled)	A	1156	2263	80	1462	79	14	8.97	9.94	31.48	27.69
	3	(untitled)	A	1084	2263	80	1123	96	-7	43.98	29.87	95.28	63.38
Ff	**1**	(untitled)		333	1900	120	1900	18	413	0.20	0.02	0.04	33.29
	2	(untitled)		146	1900	120	157	93	-3	1171.29	51.33	107.18	1204.34
G	**1**	(untitled)	F	389	2050	28	483	81	12	52.00	10.04	37.17	67.98
	2	(untitled)	F	167	2050	28	500	33	169	40.67	2.87	10.88	52.05
Gf	**1**	(untitled)		386	2050	120	2049	19	378	0.22	4.66	66.23	3.26
	2	(untitled)		135	2050	120	2050	7	1267	0.06	0.00	0.03	3.07
xA	**1**	(untitled)		1512	2263	120	2111	72	26	2.95	12.50	31.29	20.17
	2	(untitled)		1297	2263	120	2255	57	57	1.10	2.76	6.91	18.34
xB	**1**	(untitled)		1463	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	**1**	(untitled)		597	1900	120	1165	51	76	8.63	11.87	59.03	17.30
	2	(untitled)		343	1900	120	1327	26	248	3.19	4.71	23.37	11.89
xD	**1**	(untitled)		654	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
	2	(untitled)		249	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
xE	**1**	(untitled)		1080	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		325	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	**1**	(untitled)		678	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
Cc1	**1**	(untitled)	E	385	2050	64	1128	34	164	5.38	2.61	15.67	12.08
E1	**1**	(untitled)	G	297	2050	28	513	58	55	36.39	5.34	38.39	42.39
	2	(untitled)	G	537	2200	28	550	98	-8	124.23	22.32	160.42	130.23
Gf1	**1**	(untitled)		35	690	120	690	5	1673	0.46	0.11	1.23	4.15
Cc2	**2**	(untitled)	D	589	2150	66	1203	49	84	10.20	5.29	33.19	17.28
	3	(untitled)	D	765	2050	66	1162	66	37	13.76	13.59	87.57	21.09
	4	(untitled)	D	881	2150	66	882	100	-10	87.76	27.78	179.54	94.69
	5	(untitled)	D	586	2050	66	586	100	-10	111.22	24.71	160.26	119.20
E2	**3**	(untitled)	H	386	2150	28	521	74	21	30.44	6.34	68.44	34.44
	4	(untitled)	H	135	2050	28	513	26	242	19.34	2.37	25.04	23.41
TC5	**2**	(untitled)	A	1174	2263	101	1942	60	49	2.20	3.36	83.87	4.96

		3	(untitled)	A	1297	2263	101	1942	67	35	2.05	2.36	58.92	4.82
		4	(untitled)	C	0	1800	11	180	0	Unrestricted	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	564	1925	86	1428	40	128	6.49	6.34	39.74	17.49
		2	(untitled)	B	359	1966	86	1458	25	266	5.30	3.53	22.04	16.36
		3	(untitled)	B	300	1947	86	1444	21	333	5.07	2.97	18.43	16.19
	TC35	1	(untitled)	A	357	1900	101	1631	22	311	1.66	1.63	38.71	4.56
	TC36	1	(untitled)		203	1800	120	168	121	-26	385.53	25.24	575.37	388.55
	TC37	1	(untitled)	J	29	1850	105	1634	2	4988	0.04	0.00	0.03	3.23
	TC38	1	(untitled)		29	231	120	231	12	620	8.12	2.42	65.39	9.65
	TC39	2	(untitled)		1211	2263	120	2263	54	68	0.91	0.31	5.02	3.45
		3	(untitled)		1310	2263	120	2263	58	55	1.09	0.40	6.86	3.49
	TC40	2	(untitled)		1240	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		1310	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	139	1850	8	139	100	-10	315.41	12.68	133.42	319.34
	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)		969	1300	120	1300	75	21	4.01	1.08	4.65	20.05
	48	1	(untitled)		1638	1965	120	1352	121	-26	327.08	167.64	1748.72	333.69
	49	1	(untitled)		564	1900	120	1900	30	203	0.40	0.06	1.37	3.55
		2	(untitled)		659	1900	120	1900	35	159	0.50	0.09	2.02	3.65
	50	1	(untitled)		1934	1900	120	1837	105	-14	105.65	85.90	1025.88	111.43
	51	1	(untitled)		807	1900	120	480	168	-47	743.48	180.31	2767.11	747.97

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	96	5	29	1	7
	2	✓	2	B	12	31	19	1	7
	3		1	A	36	65	29	1	7
	4		2	B	72	91	19	1	7
769-2	1	✓	4	D,E,H,I	97	4	27	1	3
	2	✓	5	F,G,J,K	15	23	8	1	8
	3		4	D,E,H,I	37	64	27	1	3
	4		5	F,G,J,K	75	83	8	1	8
770-1	1	✓	1	A,C	99	7	28	1	5
	2	✓	2	B	14	34	20	1	7

	3		1	A,C	39	67	28	1	5
	4		2	B	74	94	20	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	106	20	34	1	9
	2	✓	3	B	31	41	10	1	7
	3		1	A,C	46	80	34	1	9
	4		3	B	91	101	10	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	4	89	85	1	6
	2	✓	2	A,C,F,G	94	105	11	1	7
	3	✓	5	D,H,I	112	118	6	1	6
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	Street 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	10	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	5	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	✓	53.19	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	53.01	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	✓	132.85	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	131.47	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100

	3	✓	130.10	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	✓	122.36	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
Dc	**1**	✓	50.67	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	48.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	46.78	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	4	✓	44.83	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	✓	68.61	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	66.73	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	66.90	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	✓	45.93	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	✓	50.37	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**	✓	155.36	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	151.80	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Gf	**1**	✓	40.48	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	40.06	CTM	0.00	Normal	✓			Directly entered	2050	100	100
xA	**1**	✓	229.66	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	229.97	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**	✓	95.84	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**	✓	49.26	NetworkDefault	0.00	Normal			✓			100	100
Cc2	**2**	✓	91.58	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	89.25	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	4	✓	88.96	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	5	✓	88.65	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
TC42	**1**	✓	23.35	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1771	100	100
TC43	**1**	✓	51.77	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	56	0.00	0.00
		2	0	0	56	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	68	0.00	0.00
		2	0	0	68	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	20	0.00	0.00
		2	0	0	20	0.00	0.00
	10	1	0	0	32	0.00	0.00
		2	0	0	32	0.00	0.00
	11	1	0	0	64	0.00	0.00
		2	0	0	64	0.00	0.00
	12	1	0	0	62	0.00	0.00
		2	0	0	62	0.00	0.00
	13	1	0	0	8	0.00	0.00
		2	0	0	8	0.00	0.00
	14	1	0	0	102	0.00	0.00
		2	0	0	102	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	6	0.00	0.00
		2	0	0	6	0.00	0.00
	17	1	0	0	5	0.00	0.00
		2	0	0	5	0.00	0.00

Collections

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	221.6	221.3	309.4	318.4	402.5	622.3	0.0
	B28	781.6	0.0	436.1	663.1	523.4	745.9	745.2	0.0
	C28	481.7	430.7	0.0	559.1	552.6	706.0	647.5	0.0
	D28	850.2	1203.1	3135.4	0.0	3119.7	834.1	842.9	0.0
	E28	467.7	152.6	1276.2	290.2	0.0	352.3	359.1	0.0
	F28	756.5	803.6	1003.6	991.9	1024.7	0.0	405.7	0.0

	G28	63.1	103.4	363.5	127.3	366.3	226.5	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)	Normal journey dist (m)	Bus journeydist (m)	Tram journey dist (m)	Pedestrian journey dist (m)	Calculated Total Flow (PCU/hr)	Avg journey time (s)	Avg journey dist (m)
23	C28	A28	571	479.10	834.67	0.00	0.00	0.00	571	479.10	834.67
24	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
25	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
32	C28	E28	182	552.63	526.66	0.00	0.00	0.00	182	552.63	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	522	471.85	693.05	0.00	0.00	0.00	522	471.85	693.05
42	E28	C28	40	1269.32	1065.88	0.00	0.00	0.00	40	1269.32	1065.88
43	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
44	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
45	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
49	C28	D28	262	559.13	514.00	0.00	0.00	0.00	262	559.13	514.00
50	E28	D28	58	290.22	370.08	0.00	0.00	0.00	58	290.22	370.08
68	E28	G28	191	360.98	737.43	0.00	0.00	0.00	191	360.98	737.43
86	F28	D28	31	809.82	871.13	0.00	0.00	0.00	31	809.82	871.13
91	C28	F28	45	706.04	787.40	0.00	0.00	0.00	45	706.04	787.40
92	E28	F28	40	352.33	644.57	0.00	0.00	0.00	40	352.33	644.57
96	A28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
97	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
98	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
99	C28	B28	36	428.96	753.91	0.00	0.00	0.00	36	428.96	753.91
100	E28	B28	135	129.20	623.35	0.00	0.00	0.00	135	129.20	623.35
101	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
102	A28	C28	283	208.88	696.48	0.00	0.00	0.00	283	208.88	696.48
103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
104	C28	G28	585	714.68	880.25	0.00	0.00	0.00	585	714.68	880.25
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
106	G28	C28	119	384.73	769.84	0.00	0.00	0.00	119	384.73	769.84
107	A28	B28	28	219.01	716.08	0.00	0.00	0.00	28	219.01	716.08
108	B28	G28	332	739.46	1057.75	0.00	0.00	0.00	332	739.46	1057.75
109	C28	G28	230	416.53	873.55	0.00	0.00	0.00	230	416.53	873.55
110	E28	G28	22	342.43	731.08	0.00	0.00	0.00	22	342.43	731.08
111	B28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
112	F28	G28	35	405.67	149.60	0.00	0.00	0.00	35	405.67	149.60
113	F28	A28	66	756.54	347.74	0.00	0.00	0.00	66	756.54	347.74
114	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
115	B28	C28	9	445.58	558.16	0.00	0.00	0.00	9	445.58	558.16
116	F28	C28	6	1058.35	731.34	0.00	0.00	0.00	6	1058.35	731.34
117	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
118	F28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
119	F28	E28	2	924.00	882.77	0.00	0.00	0.00	2	924.00	882.77
120	F28	E28	2	809.88	886.05	0.00	0.00	0.00	2	809.88	886.05
121	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
122	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
123	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
124	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
126	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
127	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

128	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
129	F28	C28	6	785.80	732.12	0.00	0.00	0.00	6	785.80	732.12
130	G28	C28	119	477.81	770.24	0.00	0.00	0.00	119	477.81	770.24
131	G28	E28	123	509.27	921.19	0.00	0.00	0.00	123	509.27	921.19
132	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
133	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
134	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
135	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
136	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
137	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
138	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
139	D28	E28	6	3308.27	1229.52	0.00	0.00	0.00	6	3308.27	1229.52
140	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
141	D28	E28	6	3291.75	1232.51	0.00	0.00	0.00	6	3291.75	1232.51
142	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
143	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
144	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
145	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
146	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
147	F28	E28	2	1190.85	882.69	0.00	0.00	0.00	2	1190.85	882.69
148	F28	D28	31	1173.90	870.77	0.00	0.00	0.00	31	1173.90	870.77
149	C28	B28	3	451.63	757.09	0.00	0.00	0.00	3	451.63	757.09
150	E28	B28	386	160.75	625.89	0.00	0.00	0.00	386	160.75	625.89
151	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
152	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
153	F28	B28	14	803.55	751.33	0.00	0.00	0.00	14	803.55	751.33
154	E28	A28	18	348.31	694.21	0.00	0.00	0.00	18	348.31	694.21
155	E28	C28	4	387.55	1072.77	0.00	0.00	0.00	4	387.55	1072.77
156	C28	G28	60	691.35	875.68	0.00	0.00	0.00	60	691.35	875.68
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	B28	D28	294	663.06	699.67	0.00	0.00	0.00	294	663.06	699.67
159	B28	E28	145	663.12	714.59	0.00	0.00	0.00	145	663.12	714.59
160	B28	G28	206	754.57	1062.09	0.00	0.00	0.00	206	754.57	1062.09
161	B28	F28	39	745.92	969.24	0.00	0.00	0.00	39	745.92	969.24
162	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
163	B28	A28	40	781.61	1018.87	0.00	0.00	0.00	40	781.61	1018.87
164	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
165	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
166	B28	C28	91	435.12	555.13	0.00	0.00	0.00	91	435.12	555.13
167	B28	E28	482	481.38	709.11	0.00	0.00	0.00	482	481.38	709.11
168	G28	A28	365	63.13	385.83	0.00	0.00	0.00	365	63.13	385.83
169	G28	B28	70	105.20	789.43	0.00	0.00	0.00	70	105.20	789.43
170	G28	B28	70	101.55	789.81	0.00	0.00	0.00	70	101.55	789.81
171	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
175	G28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
176	G28	E28	71	234.35	921.85	0.00	0.00	0.00	71	234.35	921.85
177	G28	D28	131	127.27	910.21	0.00	0.00	0.00	131	127.27	910.21
178	G28	E28	34	124.85	925.13	0.00	0.00	0.00	34	124.85	925.13
181	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
185	A28	B28	28	224.18	715.70	0.00	0.00	0.00	28	224.18	715.70
186	A28	C28	49	292.88	699.40	0.00	0.00	0.00	49	292.88	699.40
187	A28	E28	327	323.53	850.36	0.00	0.00	0.00	327	323.53	850.36
195	D28	G28	198	843.15	744.99	0.00	0.00	0.00	198	843.15	744.99
196	D28	F28	109	834.14	652.14	0.00	0.00	0.00	109	834.14	652.14
197	D28	G28	53	841.82	740.41	0.00	0.00	0.00	53	841.82	740.41
198	D28	A28	3	850.18	704.14	0.00	0.00	0.00	3	850.18	704.14

199	D28	B28	99	885.97	1101.91	0.00	0.00	0.00	99	885.97	1101.91
200	D28	B28	99	883.02	1102.29	0.00	0.00	0.00	99	883.02	1102.29
201	D28	C28	120	3175.93	1078.16	0.00	0.00	0.00	120	3175.93	1078.16
204	D28	C28	45	3027.46	1077.09	0.00	0.00	0.00	45	3027.46	1077.09
205	D28	E28	27	3076.17	1228.05	0.00	0.00	0.00	27	3076.17	1228.05
206	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
207	D28	E28	6	2966.32	1231.32	0.00	0.00	0.00	6	2966.32	1231.32
210	A28	G28	617	724.64	1200.07	0.00	0.00	0.00	617	724.64	1200.07
211	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
212	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
213	A28	E28	102	308.98	856.77	0.00	0.00	0.00	102	308.98	856.77
214	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
215	G28	F28	64	226.46	1179.78	0.00	0.00	0.00	64	226.46	1179.78
218	A28	G28	289	411.15	1204.28	0.00	0.00	0.00	289	411.15	1204.28
219	A28	F28	131	402.50	1111.43	0.00	0.00	0.00	131	402.50	1111.43
220	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
221	F28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
222	A28	D28	2	309.39	838.43	0.00	0.00	0.00	2	309.39	838.43
223	A28	E28	68	307.79	853.35	0.00	0.00	0.00	68	307.79	853.35
224	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
225	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
226	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
227	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
228	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
229	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
230	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
231	A28	G28	10	409.69	1199.70	0.00	0.00	0.00	10	409.69	1199.70
232	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
233	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
234	C28	G28	170	713.37	875.67	0.00	0.00	0.00	170	713.37	875.67
235	E28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
236	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
237	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
238	D28	B28	36	2955.36	1099.55	0.00	0.00	0.00	36	2955.36	1099.55
239	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
240	G28	C28	59	91.11	770.21	0.00	0.00	0.00	59	91.11	770.21
241	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
242	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
243	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
244	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
245	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
246	E28	C28	40	1371.85	1066.29	0.00	0.00	0.00	40	1371.85	1066.29
247	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
248	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
249	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
250	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
251	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
252	F28	C28	6	1166.55	731.74	0.00	0.00	0.00	6	1166.55	731.74
253	F28	E28	2	1173.96	885.69	0.00	0.00	0.00	2	1173.96	885.69
254	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
255	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
256	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
257	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
258	C28	A28	7	696.79	838.81	0.00	0.00	0.00	7	696.79	838.81
259	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
260	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

261	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
262	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
263	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
264	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
265	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
266	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
267	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

Final Prediction Table

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES	WEIGHTS		PENALTIES	P.I.
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)**	**Delay weighting multiplier (%)**	**Stop weighting multiplier (%)**	**Cost of traffic penalties (£ per hr)**	**P.I.**
A	**1**	(untitled)	6	771-2	E	420	2050	36	0.00	65	39	24.18	18.60	85.50	7.60	100	100	0.00	42.28
	2	(untitled)	6	771-2	E	216	2050	36	0.00	33	171	17.97	12.21	70.77	2.84	100	100	0.00	15.27
	3	(untitled)	6	771-2	E	398	2050	36	10.18	84	8	41.21	35.31	93.09	9.06	100	100	0.00	67.30
	4	(untitled)	6	771-2	E	329	2050	36	0.00	51	78	21.66	15.64	81.36	5.29	100	100	0.00	28.87
Ac	**1**	(untitled)	6	771-2	D	1042 <	2263	64	0.00	84	7	31.84	24.65	91.10	17.09 +	100	100	0.00	131.84
	2	(untitled)	6	771-2	D	113	2263	64	44.65	9	879	10.47	0.98	35.65	1.86	100	100	0.00	1.12
	3	(untitled)	6	771-2	D	230 <	2263	64	51.86	86	4	236.62	230.03	181.26	16.25 +	100	100	0.00	224.45
Acf	**1**	(untitled)	6			1153	2263	120	19.90	53	71	6.32	1.10	5.47	2.86	100	100	0.00	7.02
	2	(untitled)	6			231 <	2263	120	107.78	100	-10	278.65	271.41	203.87	18.98 +	100	100	0.00	254.78
Af	**1**	(untitled)	6			635	2050	120	22.00	31	191	6.82	0.39	0.00	0.07	100	100	0.00	0.99
	2	(untitled)	6			398	2050	120	22.00	19	364	6.59	0.21	0.00	0.02	100	100	0.00	0.33
	3	(untitled)	6			329	2050	120	22.00	16	461	6.53	0.17	0.00	0.02	100	100	0.00	0.22
B	**1**	(untitled)	1	769-1	B	322	2050	38	0.00	47	91	25.07	17.97	72.83	3.91	100	100	0.00	30.36
	2	(untitled)	1	769-1	B	424	2150	38	1.71	62	46	28.08	20.79	80.78	5.68	100	100	0.00	45.73
	3	(untitled)	1	769-1	B	505	2100	38	10.67	73	23	40.03	32.55	111.39	9.41	100	100	0.00	82.94
	4	(untitled)	1	769-1	B	586 <	2050	38	5.70	100	-10	152.44	140.15	230.85	29.01 +	100	100	0.00	340.88
Bc	**1**	(untitled)	1	769-1	A	358	2050	58	9.00	35	157	15.99	4.03	19.28	2.03	100	100	0.00	7.35
	2	(untitled)	1	769-1	A	577 <	2050	58	25.15	97	-7	159.26	147.43	240.17	29.11 +	100	100	0.00	367.30

	3	(untitled)	1	769-1	A	390	2050	58	31.33	55	64	21.50	9.79	79.65	6.23	100	100	0.00	21.65
Bcf	1	(untitled)	1			1463	2263	120	16.00	65	39	5.62	1.45	0.00	0.59	100	100	0.00	8.36
	2	(untitled)	1			357	2263	120	48.00	16	471	5.77	0.15	0.26	0.01	100	100	0.00	0.24
	3	(untitled)	1			576 <	2263	120	89.39	100	-10	120.58	114.80	140.87	21.39 +	100	100	0.00	281.42
	4	(untitled)	1			389	2263	120	46.00	17	423	6.34	0.17	0.14	0.02	100	100	0.00	0.26
Bf	1	(untitled)	1			746	1800	120	0.00	41	117	28.04	0.71	0.00	0.15	100	100	0.00	2.08
	2	(untitled)	1			1092 <	1800	120	43.68	95	-6	92.93	65.52	216.01	45.96 +	100	100	0.00	311.67
C	1	(untitled)	2	769-2	G	480	2100	30	0.00	86	5	61.54	47.00	123.75	10.07	100	100	0.00	96.49
	2	(untitled)	2	769-2	G	564 <	2200	30	0.00	96	-6	151.30	136.62	250.08	27.38 +	100	100	0.00	321.86
	3	(untitled)	2	769-2	G	307	2050	30	12.00	56	60	37.83	22.91	106.85	5.47	100	100	0.00	31.85
Cf	1	(untitled)	2			480	1965	120	28.00	24	268	17.65	0.30	0.00	0.04	100	100	0.00	0.56
	2	(untitled)	2			871 <	1965	120	66.79	100	-10	128.79	111.29	213.33	38.91 +	100	100	0.00	405.82
D	1	(untitled)	3	770-1	B	332	2050	40	4.00	46	95	29.12	25.00	77.02	4.26	100	100	0.00	40.89
	2	(untitled)	3	770-1	B	648 <	1850	40	0.00	100	-10	106.00	101.87	130.25	21.52 +	100	100	0.00	287.25
	3	(untitled)	3	770-1	B	755 <	2250	40	1.74	100	-10	89.50	85.53	97.96	20.21 +	100	100	0.00	278.42
Dc	1	(untitled)	3	770-1	A	943 <	2100	60	0.00	87	4	24.63	20.83	62.67	9.70 +	100	100	0.00	96.39
	2	(untitled)	3	770-1	A	754	2100	60	0.00	69	30	16.28	12.62	59.18	7.66	100	100	0.00	51.85
	3	(untitled)	3	770-1	A	675 <	2100	60	17.29	86	4	25.68	22.17	84.89	8.54 +	100	100	0.00	77.38
	4	(untitled)	3	770-1	A	893 <	2100	60	10.98	100	-10	77.77	74.41	100.66	21.41 +	100	100	0.00	290.92
Dcf	1	(untitled)	3			659	2050	120	24.00	32	180	5.36	0.42	0.30	0.08	100	100	0.00	1.14
	2	(untitled)	3			1188	2100	120	48.41	83	8	17.24	12.30	52.25	10.77	100	100	0.00	77.57
	3	(untitled)	3			758	2100	120	40.45	43	111	6.69	1.14	9.06	2.37	100	100	0.00	5.44
	4	(untitled)	3			676	2100	120	37.01	34	166	7.69	0.58	4.56	1.82	100	100	0.00	2.11
	5	(untitled)	3			893 <	2100	120	68.98	100	-10	83.58	78.56	122.93	25.75 +	100	100	0.00	311.94
Df	1	(untitled)	3-2			1311 <	1900	120	58.16	134	-33	493.50	469.50	361.01	183.45 +	100	100	0.00	2472.20
	2	(untitled)	3-2			840 <	2250	120	79.74	111	-19	237.46	213.46	278.86	58.70 +	100	100	0.00	733.64
Dxp	1	(untitled)	3-2	770-2	D	655	2050	101	10.00	38	139	4.57	1.08	5.64	1.39	100	100	0.00	3.97
	2	(untitled)	3-2	770-2	D	246	2050	101	50.00	14	537	4.04	0.39	1.83	0.16	100	100	0.00	0.52

Ec	**1**	(untitled)	4	770-3	F	622	2150	70	14.00	48	87	10.32	6.56	36.81	3.74	100	100	0.00	23.51
	2	(untitled)	4	770-3	F	1273 <	2263	70	0.00	94	-4	26.51	22.88	59.14	12.95 +	100	100	0.00	139.00
	3	(untitled)	4	770-3	F	1117	2263	70	0.00	82	9	12.88	9.37	31.36	5.88	100	100	0.00	52.51
	4	(untitled)	4	770-3	F	546	2250	70	26.00	40	122	16.77	13.32	77.44	7.06	100	100	0.00	42.28
Ecf	**1**	(untitled)	4			1076	2100	120	22.26	51	75	4.37	0.92	2.14	4.91	100	100	0.00	4.65
	2	(untitled)	4			949	2100	120	20.00	45	99	4.18	0.71	0.02	0.19	100	100	0.00	2.65
	3	(untitled)	4			1273	2263	120	40.98	78	16	11.37	7.85	35.87	7.78	100	100	0.00	54.07
	4	(untitled)	4			1698 <	2300	120	30.06	90	0	14.56	10.72	35.29	10.23 +	100	100	0.00	90.67
Ef	**1**	(untitled)	4			935 <	1900	120	67.28	112	-20	235.64	220.34	282.58	67.58 +	100	100	0.00	842.20
	2	(untitled)	4			521	1900	120	0.00	27	228	15.66	0.36	0.00	0.05	100	100	0.00	0.74
Exp	**1**	(untitled)	4-2	770-4	L	1080	2050	100	17.00	63	44	6.61	2.72	11.18	5.21	100	100	0.00	15.48
	2	(untitled)	4-2	770-4	L	326	2050	100	39.00	19	376	4.27	0.24	0.89	2.34	100	100	0.00	0.41
F	**1**	(untitled)	5	771-1	B	197	2100	20	0.00	51	76	22.18	15.80	82.81	3.15	100	100	0.00	17.58
	2	(untitled)	5	771-1	B	110	2100	20	0.00	29	215	18.33	11.90	73.01	2.38	100	100	0.00	7.77
	3	(untitled)	5	771-1	B	157 <	2100	20	12.95	99	-9	426.21	419.67	281.57	19.32 +	100	100	0.00	273.83
Fc	**1**	(untitled)	5	771-1	A	1479	2263	80	3.00	96	-6	42.67	23.58	57.29	15.07	100	100	0.00	151.69
	2	(untitled)	5	771-1	A	1156	2263	80	12.49	79	14	27.69	8.97	48.23	9.94	100	100	0.00	50.34
	3	(untitled)	5	771-1	A	1084	2263	80	22.43	96	-7	63.38	43.98	164.75	29.87	100	100	0.00	216.10
Ff	**1**	(untitled)	5			333	1900	120	36.00	18	413	33.29	0.20	4.26	0.02	100	100	0.00	0.43
	2	(untitled)	5			146 <	1900	120	110.10	93	-3	1204.34	1171.29	497.72	51.33 +	100	100	0.00	685.13
G	**1**	(untitled)	2	769-2	F	389	2050	28	5.76	81	12	67.98	52.00	125.69	10.04	100	100	0.00	88.06
	2	(untitled)	2	769-2	F	167	2050	28	18.73	33	169	52.05	40.67	110.25	2.87	100	100	0.00	32.77
Gf	**1**	(untitled)	4			386	2050	120	90.07	19	378	3.26	0.22	0.68	4.66	100	100	0.00	0.42
	2	(untitled)	4			135	2050	120	90.00	7	1267	3.07	0.06	0.00	0.00	100	100	0.00	0.03
xA	**1**	(untitled)	10			1512	2263	120	22.04	72	26	20.17	2.95	12.50	12.50	100	100	0.00	23.73
	2	(untitled)	10			1297	2263	120	34.40	57	57	18.34	1.10	1.55	2.76	100	100	0.00	6.25
xB	**1**	(untitled)				1463	Unrestricted	120	1.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	**1**	(untitled)				597	1900	120	58.41	51	76	17.30	8.63	63.95	11.87	100	100	0.00	33.03
	2	(untitled)				343	1900	120	65.18	26	248	11.89	3.19	46.69	4.71	100	100	0.00	9.47
xD	**1**	(untitled)				654	Unrestricted	120	12.00	0	Unrestricted	9.13	0.00	0.00	0.00	100	100	0.00	0.00

	2	(untitled)				249	Unrestricted	120	55.00	0	Unrestricted	9.21	0.00	0.00	0.00	100	100	0.00	0.00
xE	1	(untitled)				1080	Unrestricted	120	10.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				325	Unrestricted	120	43.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	1	(untitled)				678	Unrestricted	120	6.00	0	Unrestricted	12.19	0.00	0.00	0.00	100	100	0.00	0.00
Cc1	1	(untitled)	2	769-2	E	385	2050	64	13.00	34	164	12.08	5.38	24.21	2.61	100	100	0.00	11.71
E1	1	(untitled)	4	770-3	G	297	2050	28	12.00	58	55	42.39	36.39	107.61	5.34	100	100	0.00	52.94
	2	(untitled)	4	770-3	G	537 <	2200	28	0.00	98	-8	130.23	124.23	191.18	22.32 +	100	100	0.00	296.36
Gf1	1	(untitled)	4			35	690	120	82.00	5	1673	4.15	0.46	10.29	0.11	100	100	0.00	0.18
Cc2	2	(untitled)	2	769-2	D	589	2150	66	0.84	49	84	17.28	10.20	58.31	5.29	100	100	0.00	34.68
	3	(untitled)	2	769-2	D	765	2050	66	13.00	66	37	21.09	13.76	79.46	13.59	100	100	0.00	58.99
	4	(untitled)	2	769-2	D	881 <	2150	66	18.78	100	-10	94.69	87.76	168.36	27.78 +	100	100	0.00	352.22
	5	(untitled)	2	769-2	D	586 <	2050	66	33.70	100	-10	119.20	111.22	217.52	24.71 +	100	100	0.00	285.47
E2	3	(untitled)	4	770-3	H	386	2150	28	0.93	74	21	34.44	30.44	97.59	6.34	100	100	0.00	58.44
	4	(untitled)	4	770-3	H	135	2050	28	0.00	26	242	23.41	19.34	77.08	2.37	100	100	0.00	13.64
TC5	2	(untitled)	TC771-6	TC777-1	A	1174	2263	101	11.00	60	49	4.96	2.20	6.82	3.36	100	100	0.00	11.21
	3	(untitled)	TC771-6	TC777-1	A	1297	2263	101	22.00	67	35	4.82	2.05	3.81	2.36	100	100	0.00	11.14
	4	(untitled)	TC771-6	TC777-1	C	0	1800	11	12.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC9	1	(untitled)	TC771-6	TC777-1	B	564	1925	86	0.00	40	128	17.49	6.49	33.36	6.34	100	100	0.00	16.79
	2	(untitled)	TC771-6	TC777-1	B	359	1966	86	0.00	25	266	16.36	5.30	29.49	3.53	100	100	0.00	8.84
	3	(untitled)	TC771-6	TC777-1	B	300	1947	86	0.00	21	333	16.19	5.07	28.22	2.97	100	100	0.00	7.06
TC35	1	(untitled)	TC771-6	TC777-1	A	357	1900	101	13.00	22	311	4.56	1.66	10.31	1.63	100	100	0.00	2.83
TC36	1	(untitled)	TC771-6			203 <	1800	120	108.82	121	-26	388.55	385.53	283.95	25.24 +	100	100	0.00	314.67
TC37	1	(untitled)	TC771-6	TC777-2	J	29	1850	105	88.00	2	4988	3.23	0.04	0.21	0.00	100	100	0.00	0.01
TC38	1	(untitled)	TC771-6			29	231	120	71.00	12	620	9.65	8.12	59.13	2.42	100	100	0.00	1.52
TC39	2	(untitled)	TC771-6			1211	2263	120	28.00	54	68	3.45	0.91	0.00	0.31	100	100	0.00	4.37
	3	(untitled)	TC771-6			1310	2263	120	39.00	58	55	3.49	1.09	0.00	0.40	100	100	0.00	5.64

TC40	2	(untitled)	TC771-6			1240	Unrestricted	120	10.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC771-6			1310	Unrestricted	120	19.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
TC41	1	(untitled)	TC771-6	TC777-1	D	139 <	1850	8	0.00	100	-10	319.34	315.41	210.02	12.68 +	100	100	0.00	182.77
TC42	1	(untitled)	TC771-6	TC777-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC43	1	(untitled)				0	1800	120	120.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	100	0.00	0.00
47	1	(untitled)	2			969	1300	120	12.00	75	21	20.05	4.01	0.58	1.08	100	100	0.00	15.41
48	1	(untitled)	2			1638 <	1965	120	37.46	121	-26	333.69	327.08	325.15	167.64 +	100	100	0.00	2168.35
49	1	(untitled)	TC771-6			564	1900	120	0.00	30	203	3.55	0.40	0.00	0.06	100	100	0.00	0.89
	2	(untitled)	TC771-6			659	1900	120	0.00	35	159	3.65	0.50	0.00	0.09	100	100	0.00	1.31
50	1	(untitled)	1			1934 <	1900	120	3.95	105	-14	111.43	105.65	206.36	85.90 +	100	100	0.00	853.49
51	1	(untitled)	4-2			807 <	1900	120	89.71	168	-47	747.97	743.48	418.79	180.31 +	100	100	0.00	2391.79

Pedestrian Crossing Results

				SIGNALS		FLOWS		PERFORMANCE			PER PED		QUEUES	WEIGHTS	PENALTIES	P.I.
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	Journey Time (s)	Mean Delay per Ped (s)	Mean max queue (Ped)	Delay weighting (%)	Cost of traffic penalties (£ per hr)	P.I.
1	1	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
2	1	(untitled)	3	770-1	C	0	11000	56	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3	770-1	C	0	11000	56	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
3	1	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
4	1	(untitled)	4	770-3	J	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	J	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	1	(untitled)	4	770-3	I	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	I	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
6	1	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00

7	**1**	(untitled)	5	771-1	C	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
8	**1**	(untitled)	1	769-1	C	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	1	769-1	C	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
9	**1**	(untitled)	2	769-2	J	0	11000	20	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	J	0	11000	20	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
10	**1**	(untitled)	2	769-2	K	0	11000	32	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	K	0	11000	32	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	**1**	(untitled)		769-2	H	0	11000	64	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	64	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	**1**	(untitled)	2	769-2	I	0	11000	62	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	62	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
13	**1**	(untitled)		TC777-1	I	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	I	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
14	**1**	(untitled)		TC777-1	F	0	11000	102	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	F	0	11000	102	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
15	**1**	(untitled)		TC777-1	G	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	G	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
16	**1**	(untitled)		TC777-1	H	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	H	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
17	**1**	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

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	6859.42	1359.35	5.05	1180.76	16766.83	1123.63	0.00	17890.46
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	6859.42	1359.35	5.05	1180.76	16766.83	1123.63	0.00	17890.46

- *< = 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***

TRANSYT 16

Version: 16.0.1.8473

For sales and distribution information, program advice and maintenance, contact TRL:
+44 (0)1344 379777 software@trl.co.uk www.trlsoftware.co.uk

Filename: M62 JN 28 CRF Scheme_Mar 20_PF_Sept 20_RevE.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Base
Report generation date: 24/01/2021 11:03:23

Summary of network performance

	Set ID	Cycle time (s)	PI (£ per hr)	Total delay (PCU-hr/hr)	Highest DOS	Number oversaturated
	PM Base 2032 + Com Dev + CP - PM 2032 + Com Dev + CP					
Network	A12 D12	60	13792.68	887.64	137% (TS Ef/2)	30 (20%)

There are warnings associated with this model run - see the 'Data Errors and Warnings' tables.

File summary

File description

File title	(untitled)
Location	
Site number	
UTCRegion	
Driving side	Left

Date	01/03/2017
Version	
Status	[no status]
Identifier	
Client	
Jobnumber	
Enumerator	LEEDS\00730414
Description	

Model and Results

Enable controller offsets	Enable fuel consumption	Enable quick flares	Display journey time results	Display OD matrix distances	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	Display controller phase minimums

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

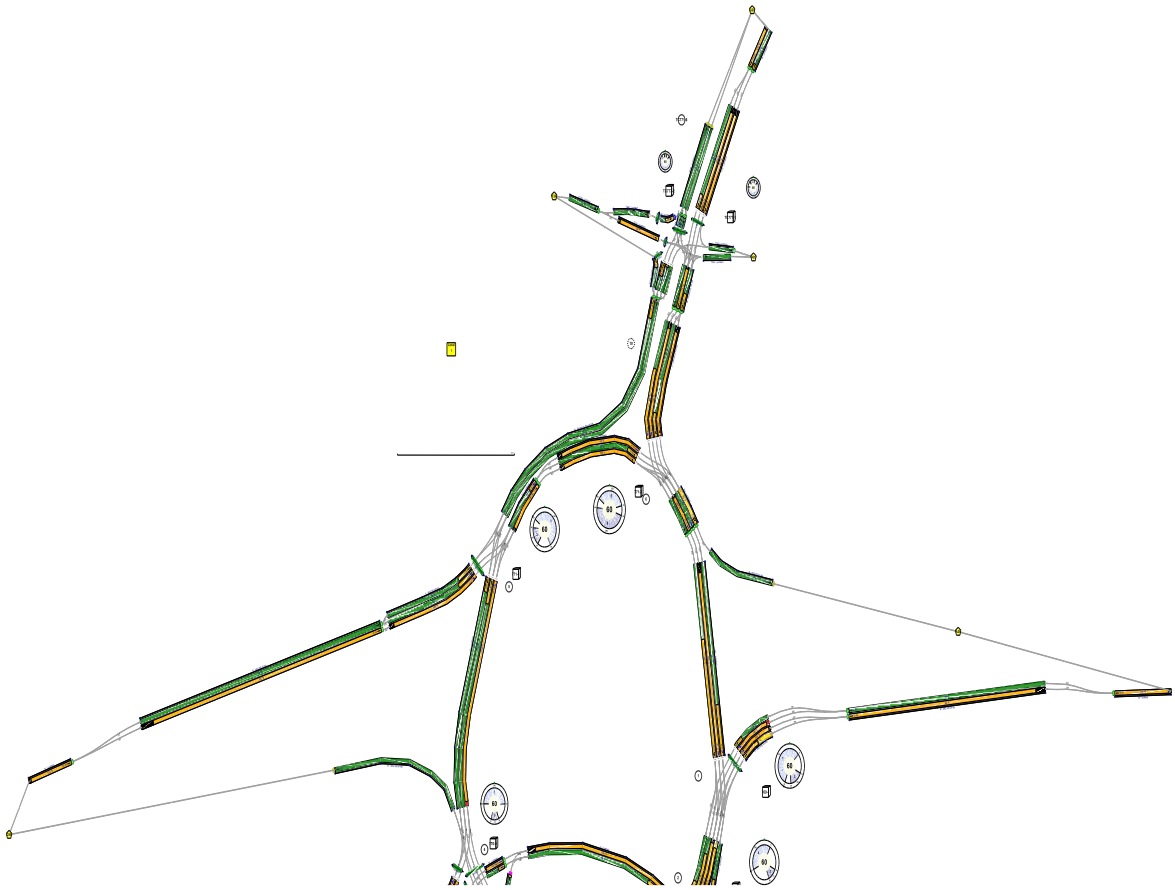
Sorting

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	✓

Simulation options

Criteria type	Stop criteria (%)	Stop criteria time (s)	Stop criteria number of trials	Random seed	Results refresh speed (s)	Average animation capture interval (s)	Use quick response	Do flow sampling	Uniform vehicle generation	Last run random seed	Last run number of trials	Last run time taken (s)
Delay	3.00	999	200	-1	3	60	✓			0	0	0.00

Network Diagrams



A12 - PM Base 2032 + Com Dev + CP D12 - PM 2032 + Com Dev + CP,

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	Local Matrix	Local Matrix 1	Local Matrix 1: Resultant Flows have warnings in one or more time segments - see the Resultant Flows tab of the OD Matrix screen.
Warning	Traffic Stream Signals	Arm TC5 - Traffic Stream 4 - Signals (TC777-1, C)	Traffic Stream 4 controlling phase C never runs in the current stage sequence.
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 TC5 - Traffic Stream 4 - Signals (TC777-1, C)	Traffic Stream 4 controlling phase C never runs in stage sequence 1.
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	Run duration (s)	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	Item with worst overall PRC	Network within capacity
12	24/01/2021 11:02:23	24/01/2021 11:02:38	15.80	16:30	60	13792.68	887.64	137.18	Ef/2	30	20	TC5/4	Ef/2	TC5/4	

Analysis Set Details

Name	Use Simulation	Description	Use specific Demand Set(s)	Specific Demand Set(s)	Optimise specific Demand Set(s)	Include in report	Locked
PM Base 2032 + Com Dev + CP			✓	D12		✓	

Demand Set Details

Scenario name	Time Period name	Description	Composite	Demand sets	Start time (HH:mm)	Locked	Run automatically
PM 2032 + Com Dev + CP		PM 2032 + Com Dev + CP			16:30		✓

Network Options

Network timings

Network cycle time (s)	Minimum possible cycle time (s)	Absolute minimum possible cycle time (s)	Restrict to SCOOT cycle times	Time segment length (min)	Number of time segments	Modelled time period (min)
60	37	37		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)	Missing stage transition options
10000.00	10000.00	10000.00	2	Assume banned

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 traffic model	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
Standard accuracy Hill Climb	15, 40, -1, 15, 40, 1, -1, 1	50, 50, 5, 5, 0.5, 0.5, 0.05, 0.05		✓	TC777-1, TC777-2			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	✓	53.19	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	53.01	✓	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	✓	132.85	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Dews	✓	131.47	✓	Directly entered	2050		2263	✓		Normal	
	3	(untitled)	Brad/M62W	✓	130.10	✓	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	✓	122.36	✓	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	
D	**1**	(untitled)	Brad/M62		55.00	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Leeds		55.00	✓	Directly entered	1850		2075	✓		Normal	
	3	(untitled)	Leeds/M62/Wake	✓	52.87	✓	Directly entered	2250		2250	✓		Normal	
Dc	**1**	(untitled)	Brad	✓	50.67	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	46.78	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	44.83	✓	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)		✓	68.61	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	66.73	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	66.90	✓	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	✓	45.93	✓	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)		✓	50.37	✓	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	
Fc	**1**	(untitled)	Leeds	✓	183.21	✓	Directly entered	2263		2263	✓		Normal	
	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)		✓	155.36	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)		✓	151.80	✓	Directly entered	2050		2050	✓		Normal	
Gf	**1**	(untitled)		✓	40.48	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	40.06	✓	Directly entered	2050		2050			Normal	
xA	**1**	(untitled)		✓	229.66	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	229.97	✓	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	✓	95.84	✓	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)		✓	49.26							✓	Normal	
Cc2	**2**	(untitled)	Dews	✓	91.58	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	89.25	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	88.96	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	88.65	✓	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	
TC42	1	(untitled)		✓	23.35	✓	Sum of lanes	1771			✓		Normal	
TC43	1	(untitled)		✓	51.77	✓	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)											
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)											
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)											
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)											
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)											
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 of saturation 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							
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							
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							
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							
E2	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
TC 5	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
TC 9	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
TC 35	1	CTM	100	100	100		0.00							
TC 36	1	NetworkDefault	100	100	100		0.00							
TC 37	1	CTM	100	100	100		0.00							
TC 38	1	CTM	100	100	100		0.00							
TC 39	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
TC 40	2	PDM	100	100	100		0.00							
	3	PDM	100	100	100		0.00							
TC 41	1	CTM	100	100	100		0.00							
TC 42	1	NetworkDefault	100	100	100		0.00							
TC 43	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	✓	60

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	962	962
	2	435	435
	3	913	913
	4	629	629
Ac	1	837	837
	2	306	306
	3	483	483
Acf	1	1143	1143
	2	483	483
Af	1	1397	1397
	2	913	913
	3	629	629
B	1	317	317
	2	425	425
	3	388	388
	4	260	260
Bc	1	828	828
	2	1250	1250
	3	688	688
Bcf	1	1799	1799
	2	828	828
	3	1250	1250
	4	688	688
Bf	1	742	742
	2	648	648
C	1	508	508
	2	445	445
	3	144	144
Cf	1	508	508
	2	589	589
D	1	303	303
	2	407	407
	3	398	398
Dc	1	886	886
	2	858	858
	3	381	381
	4	404	404
Dcf	1	1208	1208
	2	1576	1576
	3	858	858
	4	381	381
	5	404	404
Df	1	710	710
	2	398	398
Dxp	1	1208	1208
	2	691	691
Ec	1	647	647
	2	718	718
	3	518	518

	4	323	323
Ecf	**1**	991	991
	2	1056	1056
	3	718	718
	4	872	872
Ef	**1**	882	882
	2	630	630
Exp	**1**	991	991
	2	409	409
F	**1**	235	235
	2	312	312
	3	388	388
Fc	**1**	827	827
	2	609	609
	3	891	891
Ff	**1**	547	547
	2	388	388
G	**1**	389	389
	2	273	273
Gf	**1**	385	385
	2	245	245
xA	**1**	972	972
	2	663	663
xB	**1**	1799	1799
xC	**1**	817	817
	2	671	671
xD	**1**	1208	1208
	2	691	691
xE	**1**	991	991
	2	409	409
xF	**1**	761	761
Cc1	**1**	825	825
E1	**1**	314	314
	2	568	568
Gf1	**1**	32	32
Cc2	**2**	1116	1116
	3	728	728
	4	1226	1226
	5	260	260
E2	**3**	385	385
	4	245	245
TC5	**2**	794	794
	3	663	663
	4	0	0
TC9	**1**	1231	1231
	2	892	892
	3	463	463
TC35	**1**	178	178
TC36	**1**	431	431
TC37	**1**	78	78
TC38	**1**	78	78
TC39	**2**	794	794
	3	663	663
TC40	**2**	872	872
	3	663	663

TC41	**1**	353	353
TC42	**1**	0	0
TC43	**1**	0	0
47	**1**	1487	1487
48	**1**	1097	1097
49	**1**	1231	1231
	2	1355	1355
50	**1**	1390	1390
51	**1**	935	935

Signals

Arm	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	
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	
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	
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	6.38	30.00	✓	Nearside	10.60
	3	**1**	TC42/1	Af/3	6.36	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	11.96	40.00	✓	Offside	51.76
	2	**1**	Bcf/3	Bc/2	11.83	40.00	✓	Offside	48.45
	3	**1**	Bcf/4	Bc/3	11.71	40.00	✓	Offside	45.13
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/2	C/2	14.68	30.00	✓	Offside	55.98
	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
Dc	**1**	**1**	Dcf/2	Dc/1	3.80	48.00	✓	Offside	56.07
	2	**1**	Dcf/3	Dc/2	3.65	48.00	✓	Offside	52.76
	3	**1**	Dcf/4	Dc/3	3.51	48.00	✓	Offside	49.44
	4	**1**	Dcf/5	Dc/4	3.36	48.00	✓	Offside	46.13
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**	Cc2/3	Dcf/3	5.15	48.00	✓	Straight	Straight Movement
	4	**1**	C/2	Dcf/4	5.00	48.00	✓	Nearside	58.86
	5	**1**	Cc2/5	Dcf/5	5.02	48.00	✓	Straight	Straight Movement
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/4	Ec/4	3.44	48.00	✓	Offside	67.06
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	3.78	48.00	✓	Offside	66.17
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	15.98	35.00	✓	Offside	88.54
	2	**1**	Gf/2	G/2	11.38	48.00	✓	Offside	85.22
Gf	**1**	**1**	E2/3	Gf/1	3.04	48.00	✓	Straight	Straight Movement
	2	**1**	E2/4	Gf/2	3.00	48.00	✓	Straight	Straight Movement
xA	**1**	**1**	F/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	**1**	F/1	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	8.63	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/4	Gf1/1	3.69	48.00	✓	Offside	25.08
Cc2	**2**	**1**	B/1	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	3	**1**	Bc/3	Cc2/3	5.95	54.00	✓	Straight	Straight Movement
	4	**1**	Bc/3	Cc2/4	5.93	54.00	✓	Straight	Straight Movement
	5	**1**	Bc/3	Cc2/5	5.91	54.00	✓	Offside	97.08
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
TC43	**1**	**1**	TC9/1	TC43/1	3.73	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	6.38	30.00	✓	Straight	Straight Movement
	3	**2**	TC9/3	Af/3	6.36	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**	C/2	Dcf/3	5.15	48.00	✓	Nearside	58.86
	4	**2**	Cc2/3	Dcf/4	8.01	30.00	✓	Straight	Straight Movement
	5	**2**	C/3	Dcf/5	5.02	48.00	✓	Nearside	62.17
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	3.78	48.00	✓	Nearside	49.99
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	15.98	35.00	✓	Offside	17.91
	2	**2**	Gf1/1	G/2	11.38	48.00	✓	Offside	15.13
xA	**1**	**2**	Fc/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	**2**	Fc/2	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	6.39	54.00	✓	Straight	Straight Movement
Cc2	**2**	**2**	Bc/2	Cc2/2	6.11	54.00	✓	Straight	Straight Movement

	3	2	B/3	Cc2/3	8.03	40.00	✓	Straight	Straight Movement
	4	2	B/2	Cc2/4	8.01	40.00	✓	Straight	Straight Movement
	5	2	B/4	Cc2/5	7.98	40.00	✓	Straight	Straight Movement
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	3.73	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	TC41/1	Af/2	6.38	30.00	✓	Offside	6.19
	3	3	TC41/1	Af/3	6.36	30.00	✓	Offside	6.19
Bcf	2	3	Ac/3	Bcf/2	3.99	57.00	✓	Offside	86.42
Dcf	3	3	Cc2/4	Dcf/3	8.23	30.00	✓	Straight	Straight Movement
Ecf	4	3	D/2	Ecf/4	6.04	30.00	✓	Nearside	46.68
xA	2	3	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
Cc2	2	3	B/2	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	4	3	Bc/2	Cc2/4	5.93	54.00	✓	Straight	Straight Movement
	2	4	Bc/1	Cc2/2	6.11	54.00	✓	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
1		TrafficStream	Gf/1	100	0.22	
		TrafficStream	Gf/2	100	0.22	
		TrafficStream	TC39/2	100	0.22	
		TrafficStream	TC39/3	100	0.22	

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	Limit paths by flow	Low path flow threshold
1	(untitled)	✓	✓	Lane Balancing			✓			✓	1.25				

Normal Input Flows (PCU/hr)

	To								
From		**A28**	**B28**	**C28**	**D28**	**E28**	**F28**	**G28**	**H28**

	A28	3	58	389	13	470	55	450	0
	B28	19	0	96	182	520	13	267	0
	C28	312	32	0	198	105	20	441	0
	D28	6	393	284	0	17	55	180	0
	E28	497	630	94	114	1	9	167	0
	F28	126	29	67	106	25	0	78	0
	G28	836	345	969	148	262	26	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	Normal Calculated Flow (PCU/hr)
1	**23**	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	302
	24		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	25		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	32	I1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	105
	36		C28	E28	Df/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	0
	41		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	473
	42		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	47
	43		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	44		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	45		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	49	I1	C28	D28	Df/1, D/1, Ecf/2, Ec/1, xF/1	Normal	198
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	114
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	100
	86		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	106
	91	I2	C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	20
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	9
	96		A28	C28	50/1, Bf/1, B/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	71
	97		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
	98		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	99	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	28

	100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Fixed	245
	101		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	259
	103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
	104	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	276
	105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	0
	106		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	460
	107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	29
	108		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	125
	109	I3	C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	64
	110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	67
	111		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	19
	112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	78
	113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	126
	114		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	4
	116		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	11
	117		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	118		F28	C28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	35
	119		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	13
	120		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	13
	121		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	2
	122		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	123		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	124		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	0
	125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	126		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	0
	127		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	0
	128		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	129		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	11
	130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	349
	131		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	72
	132		H28	C28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	133		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	134		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	135		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	136		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	0
	138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	0
	139		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	2
	140		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	141		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	2
	142		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	144		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	145		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	146		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	147		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	0
	148		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
	149	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	4
	150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	385
	151		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0

	152		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	153		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	29
	154		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	24
	155		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	0
	156		C28	G28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	60
	157		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	158		B28	D28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	182
	159		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	108
	160		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	123
	161		B28	F28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	13
	162		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	163		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	19
	164		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	165		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	92
	167		B28	E28	48/1, Cf/1, C/1, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	412
	168		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal	836
	169		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	173
	170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	173
	171		G28	H28	49/1, TC9/1, TC43/1	Normal	0
	175		G28	C28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	110
	176		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	133
	177		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	137
	178		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	57
	181		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	185		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	29
	186		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	59
	187		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	242
	195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	160
	196		D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	55
	197		D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	20
	198		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	6
	199		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	153
	200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	153
	201		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	208
	204		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	45
	205		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	12
	206		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	207		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	2
	210		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	257
	211		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	212		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	13
	213		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	175
	214		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	215		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	26
	218		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Fixed	135
	219		A28	F28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	55
	220		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	221		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	222		A28	D28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
	223		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	53

	224		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	225		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	226		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	227		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	228		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
	229		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	230		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	231		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	10
	232		A28	H28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	233		B28	H28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	234	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	41
	235		E28	G28	Ef/1, E1/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	0
	236		E28	H28	Ef/1, E1/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	237		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	238		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Fixed	44
	239		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	43
	240		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	50
	241		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	0
	242		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	243		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	11
	244		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	245		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	246		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	47
	247		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	248		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	31
	249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	250		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	251		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	252		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	11
	253		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	254		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	2
	255	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0
	256		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	0
	257		C28	H28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	258		C28	A28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	10
	259		C28	C28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	260		C28	A28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0
	261		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	262		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	263		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	264		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	265		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	266		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	0
	267		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Fixed	0

Signal Timings

Network Default: 60s cycle time; 60 steps

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)

16:30-17:30	(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)
16:30-17:30	A	1	(untitled)	E	962	2050	28	991	97	-7	46.42	19.73	152.26	52.01
		2	(untitled)	E	436	2050	28	991	44	105	8.84	2.82	21.05	14.61
		3	(untitled)	E	771	2050	28	771	100	-10	96.25	24.97	182.67	102.15
		4	(untitled)	E	556	2050	28	991	56	61	17.05	9.75	69.81	23.08
	Ac	1	(untitled)	D	812	2263	22	867	94	-4	46.85	19.50	117.01	54.04
		2	(untitled)	D	306	2263	22	736	42	116	4.18	5.24	32.65	13.67
		3	(untitled)	D	420	2263	22	420	100	-10	180.75	23.69	154.85	187.34
	Acf	1	(untitled)		1118	2263	60	2263	49	82	0.78	0.24	1.99	5.99
		2	(untitled)		420	2263	60	420	100	-10	159.23	21.61	176.43	166.47
	Af	1	(untitled)		1398	2050	60	2022	69	30	2.07	3.74	40.15	8.49
		2	(untitled)		771	2050	60	1034	75	21	20.55	9.74	105.32	26.93
		3	(untitled)		556	2050	60	2050	27	232	0.33	0.05	0.55	6.69
	B	1	(untitled)	B	294	2050	10	376	78	15	46.09	6.24	37.87	53.19
		2	(untitled)	B	394	2150	10	394	100	-10	205.47	25.68	151.95	212.76
		3	(untitled)	B	360	2100	10	376	96	-6	133.77	17.84	102.88	141.24
		4	(untitled)	B	242	2050	10	376	64	40	30.67	3.91	21.97	42.96
	Bc	1	(untitled)	A	816	2050	38	1333	61	47	8.39	8.30	35.92	20.35
		2	(untitled)	A	1067	2050	38	1067	100	-10	91.40	37.05	162.04	103.23
		3	(untitled)	A	606	2050	38	1038	58	54	5.07	13.94	61.60	16.78
	Bcf	1	(untitled)		1774	2263	60	2263	78	15	2.86	1.41	12.92	7.22
		2	(untitled)		816	2263	60	2263	36	150	0.45	0.10	0.93	5.88
		3	(untitled)		1067	2263	60	1067	100	-10	68.43	25.34	233.65	74.29
		4	(untitled)		606	2263	60	2263	27	236	0.29	0.05	0.45	6.66
	Bf	1	(untitled)		688	1800	60	744	93	-3	139.90	43.81	110.57	167.24

	2	(untitled)		602	1800	60	1800	33	169	0.50	0.08	0.21	27.91
C	**1**	(untitled)	G	481	2100	13	490	98	-8	179.87	28.81	136.74	194.40
	2	(untitled)	G	445	2200	13	513	87	4	43.02	9.24	43.42	57.71
	3	(untitled)	G	144	2050	13	478	30	199	20.61	1.98	9.18	35.53
Cf	**1**	(untitled)		508	1965	60	481	106	-15	239.70	41.39	164.58	257.05
	2	(untitled)		589	1965	60	1965	30	200	0.39	0.06	0.25	17.90
D	**1**	(untitled)	B	301	2050	12	444	68	33	45.61	5.45	56.96	49.74
	2	(untitled)	B	404	1850	12	401	101	-11	157.30	19.62	205.17	161.43
	3	(untitled)	B	398	2250	12	438	91	-1	56.10	9.33	101.46	60.06
Dc	**1**	(untitled)	A	812	2100	38	1356	60	50	7.72	7.02	79.66	11.52
	2	(untitled)	A	816	2100	38	1365	60	51	5.49	5.49	64.75	9.14
	3	(untitled)	A	371	2100	38	1365	27	232	3.43	2.69	33.01	6.94
	4	(untitled)	A	386	2100	38	1365	28	218	4.65	2.58	33.04	8.01
Dcf	**1**	(untitled)		1073	2050	60	2050	52	72	0.96	0.29	2.50	5.91
	2	(untitled)		1411	2100	60	2036	69	30	2.01	3.10	27.02	6.96
	3	(untitled)		816	2100	60	2100	39	132	0.54	0.12	1.03	5.92
	4	(untitled)		371	2100	60	2100	18	410	0.18	0.02	0.16	6.93
	5	(untitled)		386	2100	60	2100	18	390	0.19	0.02	0.18	5.21
Df	**1**	(untitled)		710	1900	60	832	85	5	25.50	14.58	41.92	49.50
	2	(untitled)		398	2250	60	2250	18	409	0.17	0.02	0.05	24.17
Dxp	**1**	(untitled)	D	1073	2050	41	1435	75	20	4.47	2.57	31.67	7.97
	2	(untitled)	D	599	2050	41	1435	42	116	0.97	0.22	2.61	4.62
Ec	**1**	(untitled)	F	620	2150	35	1290	48	87	6.89	5.37	61.67	10.64
	2	(untitled)	F	702	2263	35	1358	52	74	9.14	6.91	82.09	12.78
	3	(untitled)	F	498	2263	35	1358	37	145	4.37	4.85	59.58	7.88
	4	(untitled)	F	323	2250	35	1350	24	276	13.83	5.31	66.50	17.27
Ecf	**1**	(untitled)		915	2100	60	2026	45	99	1.35	5.12	64.06	4.80
	2	(untitled)		1011	2100	60	2100	48	87	0.79	0.22	2.77	4.27
	3	(untitled)		702	2263	60	1989	35	155	1.28	2.48	30.37	4.80
	4	(untitled)		853	2300	60	2300	37	143	0.46	0.11	1.25	4.42
Ef	**1**	(untitled)		881	1900	60	835	105	-15	134.94	43.41	195.70	150.24
	2	(untitled)		630	1900	60	459	137	-34	508.30	94.21	424.70	523.61

Exp	**1**	(untitled)	L	915	2050	40	1401	65	38	4.73	5.77	63.99	8.62
	2	(untitled)	L	391	2050	40	1401	28	223	0.50	0.05	0.58	4.53
F	**1**	(untitled)	B	235	2100	10	385	61	47	29.76	3.80	25.67	36.14
	2	(untitled)	B	312	2100	10	385	81	11	42.25	6.31	42.34	48.68
	3	(untitled)	B	331	2100	10	331	100	-10	221.13	22.54	148.54	227.67
Fc	**1**	(untitled)	A	806	2263	40	1546	52	73	1.79	2.04	6.39	20.86
	2	(untitled)	A	584	2263	40	1503	39	131	1.43	3.47	11.01	20.35
	3	(untitled)	A	860	2263	40	938	92	-2	35.96	19.01	60.64	55.59
Ff	**1**	(untitled)		547	1900	60	1900	29	213	0.38	0.06	0.12	33.47
	2	(untitled)		389	1900	60	331	117	-23	463.94	55.34	115.54	496.99
G	**1**	(untitled)	F	285	2050	13	285	100	-10	376.99	33.33	123.35	392.97
	2	(untitled)	F	207	2050	13	463	45	102	39.83	3.64	13.79	51.21
Gf	**1**	(untitled)		281	2050	60	281	100	-10	150.98	14.77	209.78	154.01
	2	(untitled)		179	2050	60	2050	9	933	0.08	2.32	33.34	3.09
xA	**1**	(untitled)		952	2263	60	2193	43	107	0.81	2.57	6.43	18.04
	2	(untitled)		639	2263	60	2263	28	219	0.31	0.06	0.14	17.56
xB	**1**	(untitled)		1774	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	**1**	(untitled)		704	1900	60	704	100	-10	121.36	30.49	151.65	130.03
	2	(untitled)		596	1900	60	775	77	17	13.09	5.99	29.71	21.79
xD	**1**	(untitled)		1073	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
	2	(untitled)		599	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
xE	**1**	(untitled)		915	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		391	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	**1**	(untitled)		728	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
Cc1	**1**	(untitled)	E	809	2050	32	1032	78	15	16.59	14.23	85.38	23.13
E1	**1**	(untitled)	G	298	2050	14	513	58	55	36.27	5.35	38.44	42.27
	2	(untitled)	G	537	2200	14	550	98	-8	124.09	22.32	160.41	130.09
Gf1	**1**	(untitled)		32	699	60	575	6	1518	5.45	0.52	6.09	9.14
Cc2	**2**	(untitled)	D	986	2150	33	1183	83	8	18.38	12.92	81.10	25.14
	3	(untitled)	D	681	2050	33	1162	59	53	11.87	11.66	75.11	18.97
	4	(untitled)	D	1077	2150	33	1217	88	2	22.28	16.95	109.53	28.84
	5	(untitled)	D	242	2050	33	1162	21	332	13.17	4.21	27.29	21.15

E2	3	(untitled)	H	281	2150	14	281	100	-10	178.99	14.86	160.39	182.99
	4	(untitled)	H	179	2050	14	513	35	158	28.15	2.41	25.52	32.22
TC5	2	(untitled)	A	780	2263	38	1509	52	74	3.70	2.94	73.49	6.46
	3	(untitled)	A	639	2263	38	1509	42	112	1.19	0.49	12.21	3.95
	4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
TC9	1	(untitled)	B	1232	1925	39	1348	91	-2	20.54	19.20	120.36	31.54
	2	(untitled)	B	749	1966	39	749	100	-10	109.40	29.13	181.88	120.46
	3	(untitled)	B	389	1947	39	1363	29	216	5.26	2.45	15.18	16.38
TC35	1	(untitled)	A	171	1900	38	1267	14	565	4.20	1.46	34.75	7.10
TC36	1	(untitled)		433	1800	60	1800	24	274	0.32	0.04	0.87	3.34
TC37	1	(untitled)	J	78	1850	45	1418	5	1537	1.82	0.30	3.96	5.01
TC38	1	(untitled)		78	446	60	446	17	414	3.17	2.43	65.65	4.71
TC39	2	(untitled)		780	2263	60	2263	34	161	0.42	0.09	1.48	2.96
	3	(untitled)		639	2263	60	2263	28	219	0.31	0.06	0.96	2.71
TC40	2	(untitled)		858	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
	3	(untitled)		639	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
TC41	1	(untitled)	D	355	1850	11	370	96	-6	83.86	11.15	117.34	87.79
TC42	1	(untitled)	E	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
TC43	1	(untitled)		0	1800	60	1800	0	Unrestricted	0.00	0.00	0.00	0.00
47	1	(untitled)		1300	1300	60	1300	100	-10	48.58	17.54	75.48	64.61
48	1	(untitled)		1097	1965	60	1965	56	61	1.16	0.35	3.67	7.77
49	1	(untitled)		1232	1900	60	1900	65	39	1.74	0.60	13.05	4.89
	2	(untitled)		1355	1900	60	1137	119	-24	301.75	130.04	2849.14	304.90
50	1	(untitled)		1391	1900	60	1290	108	-17	152.71	77.25	922.57	158.48
51	1	(untitled)		936	1900	60	1900	49	83	0.92	0.24	3.66	5.41

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,C	34	8	34	1	7
	2	✓	2	B	19	29	10	1	7
769-2	1	✓	4	D,E,H,I	41	5	24	1	1
	2	✓	5	F,G,J,K	19	26	7	1	7
770-1	1	✓	1	A,C	39	15	36	1	5

	2	✓	2	B	22	34	12	1	7
770-2	**1**	✓	4	D	42	23	41	1	7
	2	✓	5	E	28	35	7	1	5
770-3	**1**	✓	7	F,I,J	45	15	30	1	2
	2	✓	9	G,H	26	33	7	1	1
770-4	**1**	✓	11	L	44	24	40	1	7
	2	✓	12	M	29	37	8	1	6
771-1	**1**	✓	1	A,C	51	25	34	1	9
	2	✓	3	B	36	46	10	1	7
771-2	**1**	✓	5	D	51	13	22	1	7
	2	✓	6	E	18	46	28	1	7
TC777-1	**1**	✓	1	A,B,F	8	46	38	1	7
	2	✓	5	D,H,I	53	2	9	1	6
TC777-2	**1**	✓	1	J	8	53	45	1	7
	2	✓	2	K	58	3	5	1	5

Data Entry - Phase

Phase

Controller Stream	Phase	Phase	Street 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	10	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	5	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	✓	53.19	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	53.01	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**	✓	132.85	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	131.47	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	130.10	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	✓	122.36	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
Dc	**1**	✓	50.67	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	48.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	46.78	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	4	✓	44.83	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	✓	68.61	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	66.73	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	66.90	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	✓	45.93	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	✓	50.37	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**	✓	155.36	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	151.80	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Gf	**1**	✓	40.48	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	40.06	CTM	0.00	Normal	✓			Directly entered	2050	100	100
xA	**1**	✓	229.66	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	229.97	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**	✓	95.84	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**	✓	49.26	NetworkDefault	0.00	Normal			✓			100	100
Cc2	**2**	✓	91.58	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	89.25	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100

	4	✓	88.96	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	5	✓	88.65	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
TC42	**1**	✓	23.35	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1771	100	100
TC43	**1**	✓	51.77	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)
16:30-17:30	1	1	0	0	7	0.00	0.00
		2	0	0	7	0.00	0.00
	2	1	0	0	36	0.00	0.00
		2	0	0	36	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	34	0.00	0.00
		2	0	0	34	0.00	0.00
	5	1	0	0	34	0.00	0.00
		2	0	0	34	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	34	0.00	0.00
		2	0	0	34	0.00	0.00
	8	1	0	0	34	0.00	0.00
		2	0	0	34	0.00	0.00
	9	1	0	0	10	0.00	0.00
		2	0	0	10	0.00	0.00
	10	1	0	0	15	0.00	0.00
		2	0	0	15	0.00	0.00
	11	1	0	0	30	0.00	0.00
		2	0	0	30	0.00	0.00
	12	1	0	0	30	0.00	0.00
		2	0	0	30	0.00	0.00
	13	1	0	0	11	0.00	0.00
		2	0	0	11	0.00	0.00
	14	1	0	0	39	0.00	0.00
		2	0	0	39	0.00	0.00
	15	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	16	1	0	0	9	0.00	0.00
		2	0	0	9	0.00	0.00
	17	1	0	0	5	0.00	0.00
		2	0	0	5	0.00	0.00

Collections

Point to Point Journey Time

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	380.2	548.4	487.6	384.8	527.1	415.0	354.3	0.0
	B28	226.0	0.0	490.8	129.0	429.8	157.3	153.3	0.0
	C28	241.5	290.2	0.0	135.1	135.8	275.0	263.6	0.0
	D28	153.3	517.3	1278.1	0.0	1208.0	106.5	115.4	0.0
	E28	400.1	1156.8	905.1	204.7	0.0	240.1	247.3	0.0
	F28	171.8	362.4	266.8	190.2	198.8	0.0	17.3	0.0
	G28	109.3	243.3	705.4	448.1	531.2	459.7	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)	Normal journey dist (m)	Bus journeydist (m)	Tram journey dist (m)	Pedestrian journey dist (m)	Calculated Total Flow (PCU/hr)	Avg journey time (s)	Avg journey dist (m)
23	C28	A28	302	238.26	834.67	0.00	0.00	0.00	302	238.26	834.67
24	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
25	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
32	C28	E28	105	135.76	526.66	0.00	0.00	0.00	105	135.76	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	473	406.57	693.05	0.00	0.00	0.00	473	406.57	693.05
42	E28	C28	47	904.39	1065.88	0.00	0.00	0.00	47	904.39	1065.88
43	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
44	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
45	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
49	C28	D28	198	135.13	514.00	0.00	0.00	0.00	198	135.13	514.00
50	E28	D28	114	204.70	370.08	0.00	0.00	0.00	114	204.70	370.08
68	E28	G28	100	248.59	737.43	0.00	0.00	0.00	100	248.59	737.43
86	F28	D28	106	190.21	871.13	0.00	0.00	0.00	106	190.21	871.13
91	C28	F28	20	275.02	787.40	0.00	0.00	0.00	20	275.02	787.40
92	E28	F28	9	240.13	644.57	0.00	0.00	0.00	9	240.13	644.57
96	A28	C28	71	593.69	699.00	0.00	0.00	0.00	71	593.69	699.00
97	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
98	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
99	C28	B28	28	235.31	753.91	0.00	0.00	0.00	28	235.31	753.91
100	E28	B28	245	697.36	623.35	0.00	0.00	0.00	245	697.36	623.35
101	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
102	A28	C28	259	434.37	696.48	0.00	0.00	0.00	259	434.37	696.48
103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
104	C28	G28	276	283.12	880.25	0.00	0.00	0.00	276	283.12	880.25
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
106	G28	C28	460	778.95	769.84	0.00	0.00	0.00	460	778.95	769.84
107	A28	B28	29	494.48	716.08	0.00	0.00	0.00	29	494.48	716.08
108	B28	G28	125	139.68	1057.75	0.00	0.00	0.00	125	139.68	1057.75
109	C28	G28	64	151.86	873.55	0.00	0.00	0.00	64	151.86	873.55
110	E28	G28	67	245.43	731.08	0.00	0.00	0.00	67	245.43	731.08
111	B28	G28	19	164.28	1057.51	0.00	0.00	0.00	19	164.28	1057.51
112	F28	G28	78	17.30	149.60	0.00	0.00	0.00	78	17.30	149.60
113	F28	A28	126	171.78	347.74	0.00	0.00	0.00	126	171.78	347.74
114	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
115	B28	C28	4	488.45	558.16	0.00	0.00	0.00	4	488.45	558.16
116	F28	C28	11	426.75	731.34	0.00	0.00	0.00	11	426.75	731.34
117	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
118	F28	C28	35	191.43	731.82	0.00	0.00	0.00	35	191.43	731.82
119	F28	E28	13	206.96	882.77	0.00	0.00	0.00	13	206.96	882.77
120	F28	E28	13	190.54	886.05	0.00	0.00	0.00	13	190.54	886.05
121	A28	A28	2	395.05	1161.19	0.00	0.00	0.00	2	395.05	1161.19
122	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
123	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
124	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
126	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
127	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
128	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
129	F28	C28	11	190.72	732.12	0.00	0.00	0.00	11	190.72	732.12
130	G28	C28	349	782.17	770.24	0.00	0.00	0.00	349	782.17	770.24

131	G28	E28	72	798.22	921.19	0.00	0.00	0.00	72	798.22	921.19
132	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
133	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
134	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
135	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
136	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
137	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
138	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
139	D28	E28	2	1322.98	1229.52	0.00	0.00	0.00	2	1322.98	1229.52
140	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
141	D28	E28	2	1324.01	1232.51	0.00	0.00	0.00	2	1324.01	1232.51
142	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
143	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
144	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
145	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
146	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
147	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
148	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
149	C28	B28	4	674.52	757.09	0.00	0.00	0.00	4	674.52	757.09
150	E28	B28	385	1449.20	625.89	0.00	0.00	0.00	385	1449.20	625.89
151	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
152	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
153	F28	B28	29	362.38	751.33	0.00	0.00	0.00	29	362.38	751.33
154	E28	A28	24	273.07	694.21	0.00	0.00	0.00	24	273.07	694.21
155	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
156	C28	G28	60	280.50	875.68	0.00	0.00	0.00	60	280.50	875.68
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	B28	D28	182	129.03	699.67	0.00	0.00	0.00	182	129.03	699.67
159	B28	E28	108	126.40	714.59	0.00	0.00	0.00	108	126.40	714.59
160	B28	G28	123	165.44	1062.09	0.00	0.00	0.00	123	165.44	1062.09
161	B28	F28	13	157.33	969.24	0.00	0.00	0.00	13	157.33	969.24
162	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
163	B28	A28	19	226.02	1018.87	0.00	0.00	0.00	19	226.02	1018.87
164	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
165	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
166	B28	C28	92	490.85	555.13	0.00	0.00	0.00	92	490.85	555.13
167	B28	E28	412	509.27	709.11	0.00	0.00	0.00	412	509.27	709.11
168	G28	A28	836	109.25	385.83	0.00	0.00	0.00	836	109.25	385.83
169	G28	B28	173	297.41	789.43	0.00	0.00	0.00	173	297.41	789.43
170	G28	B28	173	189.26	789.81	0.00	0.00	0.00	173	189.26	789.81
171	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
175	G28	C28	110	419.15	770.89	0.00	0.00	0.00	110	419.15	770.89
176	G28	E28	133	434.68	921.85	0.00	0.00	0.00	133	434.68	921.85
177	G28	D28	137	419.73	910.21	0.00	0.00	0.00	137	419.73	910.21
178	G28	E28	57	419.25	925.13	0.00	0.00	0.00	57	419.25	925.13
181	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
185	A28	B28	29	602.33	715.70	0.00	0.00	0.00	29	602.33	715.70
186	A28	C28	59	593.75	699.40	0.00	0.00	0.00	59	593.75	699.40
187	A28	E28	242	611.90	850.36	0.00	0.00	0.00	242	611.90	850.36
195	D28	G28	160	115.71	744.99	0.00	0.00	0.00	160	115.71	744.99
196	D28	F28	55	106.49	652.14	0.00	0.00	0.00	55	106.49	652.14
197	D28	G28	20	112.92	740.41	0.00	0.00	0.00	20	112.92	740.41
198	D28	A28	6	153.30	704.14	0.00	0.00	0.00	6	153.30	704.14
199	D28	B28	153	355.19	1101.91	0.00	0.00	0.00	153	355.19	1101.91
200	D28	B28	153	247.29	1102.29	0.00	0.00	0.00	153	247.29	1102.29
201	D28	C28	208	1299.36	1078.16	0.00	0.00	0.00	208	1299.36	1078.16

204	D28	C28	45	1163.92	1077.09	0.00	0.00	0.00	45	1163.92	1077.09
205	D28	E28	12	1181.69	1228.05	0.00	0.00	0.00	12	1181.69	1228.05
206	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
207	D28	E28	2	1166.46	1231.32	0.00	0.00	0.00	2	1166.46	1231.32
210	A28	G28	257	315.50	1200.07	0.00	0.00	0.00	257	315.50	1200.07
211	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
212	A28	D28	13	384.78	841.86	0.00	0.00	0.00	13	384.78	841.86
213	A28	E28	175	385.03	856.77	0.00	0.00	0.00	175	385.03	856.77
214	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
215	G28	F28	26	459.71	1179.78	0.00	0.00	0.00	26	459.71	1179.78
218	A28	G28	135	423.06	1204.28	0.00	0.00	0.00	135	423.06	1204.28
219	A28	F28	55	414.96	1111.43	0.00	0.00	0.00	55	414.96	1111.43
220	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
221	F28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
222	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
223	A28	E28	53	609.29	853.35	0.00	0.00	0.00	53	609.29	853.35
224	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
225	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
226	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
227	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
228	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
229	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
230	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
231	A28	G28	10	421.91	1199.70	0.00	0.00	0.00	10	421.91	1199.70
232	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
233	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
234	C28	G28	41	281.97	875.67	0.00	0.00	0.00	41	281.97	875.67
235	E28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
236	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
237	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
238	D28	B28	44	1330.16	1099.55	0.00	0.00	0.00	44	1330.16	1099.55
239	D28	B28	43	1222.62	1099.93	0.00	0.00	0.00	43	1222.62	1099.93
240	G28	C28	50	123.49	770.21	0.00	0.00	0.00	50	123.49	770.21
241	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
242	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
243	G28	D28	11	800.96	909.27	0.00	0.00	0.00	11	800.96	909.27
244	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
245	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
246	E28	C28	47	905.80	1066.29	0.00	0.00	0.00	47	905.80	1066.29
247	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
248	D28	C28	31	1300.91	1078.57	0.00	0.00	0.00	31	1300.91	1078.57
249	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
250	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
251	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
252	F28	C28	11	430.37	731.74	0.00	0.00	0.00	11	430.37	731.74
253	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
254	A28	A28	2	365.29	1163.20	0.00	0.00	0.00	2	365.29	1163.20
255	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
256	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
257	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
258	C28	A28	10	338.43	838.81	0.00	0.00	0.00	10	338.43	838.81
259	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
260	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
261	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
262	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
263	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

264	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
265	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
266	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
267	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

Final Prediction Table

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES	WEIGHTS		PENALTIES	P.I.
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)**	**Delay weighting multiplier (%)**	**Stop weighting multiplier (%)**	**Cost of traffic penalties (£ per hr)**	**P.I.**
A	**1**	(untitled)	6	771-2	E	962 <	2050	28	0.00	97	-7	52.01	46.42	109.01	19.73 +	100	100	0.00	209.81
	2	(untitled)	6	771-2	E	436	2050	28	0.00	44	105	14.61	8.84	38.50	2.82	100	100	0.00	20.60
	3	(untitled)	6	771-2	E	771 <	2050	28	6.44	100	-10	102.15	96.25	156.57	24.97 +	100	100	0.00	331.32
	4	(untitled)	6	771-2	E	556	2050	28	8.00	56	61	23.08	17.05	91.96	9.75	100	100	0.00	53.77
Ac	**1**	(untitled)	6	771-2	D	812 <	2263	22	1.00	94	-4	54.04	46.85	131.94	19.50 +	100	100	0.00	184.39
	2	(untitled)	6	771-2	D	306	2263	22	14.50	42	116	13.67	4.18	37.41	5.24	100	100	0.00	6.99
	3	(untitled)	6	771-2	D	420 <	2263	22	11.86	100	-10	187.34	180.75	245.25	23.69 +	100	100	0.00	332.75
Acf	**1**	(untitled)	6			1118	2263	60	13.00	49	82	5.99	0.78	0.00	0.24	100	100	0.00	3.42
	2	(untitled)	6			420 <	2263	60	48.86	100	-10	166.47	159.23	221.46	21.61 +	100	100	0.00	279.87
Af	**1**	(untitled)	6			1398	2050	60	6.82	69	30	8.49	2.07	5.22	3.74	100	100	0.00	12.32
	2	(untitled)	6			771 <	2050	60	34.74	75	21	26.93	20.55	78.30	9.74 +	100	100	0.00	70.03
	3	(untitled)	6			556	2050	60	14.00	27	232	6.69	0.33	0.00	0.05	100	100	0.00	0.72
B	**1**	(untitled)	1	769-1	B	294	2050	10	2.00	78	15	53.19	46.09	125.46	6.24	100	100	0.00	65.29
	2	(untitled)	1	769-1	B	394 <	2150	10	0.00	100	-10	212.76	205.47	313.26	25.68 +	100	100	0.00	359.10
	3	(untitled)	1	769-1	B	360 <	2100	10	0.26	96	-6	141.24	133.77	249.26	17.84 +	100	100	0.00	219.94
	4	(untitled)	1	769-1	B	242	2050	10	0.00	64	40	42.96	30.67	96.46	3.91	100	100	0.00	32.21
Bc	**1**	(untitled)	1	769-1	A	816	2050	38	4.00	61	47	20.35	8.39	49.56	8.30	100	100	0.00	36.04
	2	(untitled)	1	769-1	A	1067 <	2050	38	7.78	100	-10	103.23	91.40	226.69	37.05 +	100	100	0.00	438.46

	3	(untitled)	1	769-1	A	606	2050	38	12.63	58	54	16.78	5.07	38.89	13.94	100	100	0.00	17.37
Bcf	**1**	(untitled)	1			1774	2263	60	9.00	78	15	7.22	2.86	0.00	1.41	100	100	0.00	19.99
	2	(untitled)	1			816	2263	60	11.00	36	150	5.88	0.45	0.00	0.10	100	100	0.00	1.44
	3	(untitled)	1			1067 <	2263	60	31.72	100	-10	74.29	68.43	133.86	25.34 +	100	100	0.00	322.45
	4	(untitled)	1			606	2263	60	21.00	27	236	6.66	0.29	0.00	0.05	100	100	0.00	0.69
Bf	**1**	(untitled)	1			688 <	1800	60	35.21	93	-3	167.24	139.90	355.04	43.81 +	100	100	0.00	410.40
	2	(untitled)	1			602	1800	60	0.00	33	169	27.91	0.50	0.00	0.08	100	100	0.00	1.19
C	**1**	(untitled)	2	769-2	G	481 <	2100	13	0.00	98	-8	194.40	179.87	333.05	28.81 +	100	100	0.00	361.51
	2	(untitled)	2	769-2	G	445	2200	13	0.00	87	4	57.71	43.02	121.76	9.24	100	100	0.00	82.31
	3	(untitled)	2	769-2	G	144	2050	13	0.00	30	199	35.53	20.61	82.68	1.98	100	100	0.00	13.20
Cf	**1**	(untitled)	2			508 <	1965	60	45.31	106	-15	257.05	239.70	407.14	41.39 +	100	100	0.00	504.87
	2	(untitled)	2			589	1965	60	0.00	30	200	17.90	0.39	0.00	0.06	100	100	0.00	0.91
D	**1**	(untitled)	3	770-1	B	301	2050	12	0.00	68	33	49.74	45.61	109.82	5.45	100	100	0.00	64.61
	2	(untitled)	3	770-1	B	404 <	1850	12	0.00	101	-11	161.43	157.30	230.76	19.62 +	100	100	0.00	280.26
	3	(untitled)	3	770-1	B	398 <	2250	12	1.31	91	-1	60.06	56.10	133.66	9.33 +	100	100	0.00	105.14
Dc	**1**	(untitled)	3	770-1	A	812	2100	38	1.25	60	50	11.52	7.72	51.56	7.02	100	100	0.00	38.15
	2	(untitled)	3	770-1	A	816	2100	38	1.00	60	51	9.14	5.49	38.78	5.49	100	100	0.00	27.81
	3	(untitled)	3	770-1	A	371	2100	38	16.00	27	232	6.94	3.43	40.21	2.69	100	100	0.00	9.80
	4	(untitled)	3	770-1	A	386	2100	38	26.00	28	218	8.01	4.65	40.99	2.58	100	100	0.00	12.16
Dcf	**1**	(untitled)	3			1073	2050	60	12.00	52	72	5.91	0.96	0.00	0.29	100	100	0.00	4.07
	2	(untitled)	3			1411	2100	60	11.84	69	30	6.96	2.01	4.73	3.10	100	100	0.00	13.35
	3	(untitled)	3			816	2100	60	16.00	39	132	5.92	0.54	0.00	0.12	100	100	0.00	1.75
	4	(untitled)	3			371	2100	60	28.00	18	410	6.93	0.18	0.00	0.02	100	100	0.00	0.27
	5	(untitled)	3			386	2100	60	38.00	18	390	5.21	0.19	0.00	0.02	100	100	0.00	0.29
Df	**1**	(untitled)	3-2			710	1900	60	33.72	85	5	49.50	25.50	98.42	14.58	100	100	0.00	80.12
	2	(untitled)	3-2			398	2250	60	0.00	18	409	24.17	0.17	0.00	0.02	100	100	0.00	0.27
Dxp	**1**	(untitled)	3-2	770-2	D	1073	2050	41	1.00	75	20	7.97	4.47	13.73	2.57	100	100	0.00	23.64
	2	(untitled)	3-2	770-2	D	599	2050	41	4.00	42	116	4.62	0.97	2.14	0.22	100	100	0.00	2.70
Ec	**1**	(untitled)	4	770-3	F	620	2150	35	0.00	48	87	10.64	6.89	44.36	5.37	100	100	0.00	25.66

	2	(untitled)	4	770-3	F	702	2263	35	8.00	52	74	12.78	9.14	60.00	6.91	100	100	0.00	38.86
	3	(untitled)	4	770-3	F	498	2263	35	21.00	37	145	7.88	4.37	39.61	4.85	100	100	0.00	14.92
	4	(untitled)	4	770-3	F	323	2250	35	27.00	24	276	17.27	13.83	101.04	5.31	100	100	0.00	28.08
Ecf	1	(untitled)	4			915	2100	60	13.11	45	99	4.80	1.35	8.51	5.12	100	100	0.00	7.37
	2	(untitled)	4			1011	2100	60	10.00	48	87	4.27	0.79	0.00	0.22	100	100	0.00	3.17
	3	(untitled)	4			702	2263	60	27.27	35	155	4.80	1.28	12.78	2.48	100	100	0.00	6.43
	4	(untitled)	4			853	2300	60	34.00	37	143	4.42	0.46	0.00	0.11	100	100	0.00	1.55
Ef	1	(untitled)	4			881 <	1900	60	33.63	105	-15	150.24	134.94	229.35	43.41 +	100	100	0.00	492.93
	2	(untitled)	4			630 <	1900	60	45.50	137	-34	523.61	508.30	366.92	94.21 +	100	100	0.00	1284.27
Exp	1	(untitled)	4-2	770-4	L	915	2050	40	2.00	65	38	8.62	4.73	23.20	5.77	100	100	0.00	23.90
	2	(untitled)	4-2	770-4	L	391	2050	40	5.00	28	223	4.53	0.50	0.00	0.05	100	100	0.00	0.77
F	1	(untitled)	5	771-1	B	235	2100	10	0.00	61	47	36.14	29.76	96.68	3.80	100	100	0.00	34.88
	2	(untitled)	5	771-1	B	312	2100	10	0.00	81	11	48.68	42.25	114.90	6.31	100	100	0.00	63.50
	3	(untitled)	5	771-1	B	331 <	2100	10	1.54	100	-10	227.67	221.13	298.76	22.54 +	100	100	0.00	320.65
Fc	1	(untitled)	5	771-1	A	806	2263	40	12.00	52	73	20.86	1.79	12.30	2.04	100	100	0.00	7.34
	2	(untitled)	5	771-1	A	584	2263	40	23.15	39	131	20.35	1.43	18.87	3.47	100	100	0.00	5.13
	3	(untitled)	5	771-1	A	860	2263	40	18.12	92	-2	55.59	35.96	163.54	19.01	100	100	0.00	143.60
Ff	1	(untitled)	5			547	1900	60	0.00	29	213	33.47	0.38	0.00	0.06	100	100	0.00	0.83
	2	(untitled)	5			389 <	1900	60	49.54	117	-23	496.99	463.94	495.00	55.34 +	100	100	0.00	732.42
G	1	(untitled)	2	769-2	F	285 <	2050	13	5.67	100	-10	392.97	376.99	428.11	33.33 +	100	100	0.00	444.05
	2	(untitled)	2	769-2	F	207	2050	13	7.44	45	102	51.21	39.83	111.04	3.64	100	100	0.00	39.82
Gf	1	(untitled)	4			281 <	2050	60	51.79	100	-10	154.01	150.98	234.52	14.77 +	100	100	0.00	188.26
	2	(untitled)	4			179	2050	60	48.00	9	933	3.09	0.08	0.14	2.32	100	100	0.00	0.07
xA	1	(untitled)	10			952	2263	60	19.86	43	107	18.04	0.81	7.77	2.57	100	100	0.00	5.42
	2	(untitled)	10			639	2263	60	34.00	28	219	17.56	0.31	0.00	0.06	100	100	0.00	0.79
xB	1	(untitled)				1774	Unrestricted	60	0.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	1	(untitled)				704 <	1900	60	37.77	100	-10	130.03	121.36	137.77	30.49 +	100	100	0.00	368.14
	2	(untitled)				596	1900	60	40.53	77	17	21.79	13.09	64.58	5.99	100	100	0.00	43.14

xD	**1**	(untitled)				1073	Unrestricted	60	12.00	0	Unrestricted	9.13	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				599	Unrestricted	60	17.00	0	Unrestricted	9.21	0.00	0.00	0.00	100	100	0.00	0.00
xE	**1**	(untitled)				915	Unrestricted	60	13.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				391	Unrestricted	60	20.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	**1**	(untitled)				728	Unrestricted	60	0.00	0	Unrestricted	12.19	0.00	0.00	0.00	100	100	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	809	2050	32	6.81	78	15	23.13	16.59	81.47	14.23	100	100	0.00	78.91
E1	**1**	(untitled)	4	770-3	G	298	2050	14	6.00	58	55	42.27	36.27	107.64	5.35	100	100	0.00	52.87
	2	(untitled)	4	770-3	G	537 <	2200	14	0.00	98	-8	130.09	124.09	224.26	22.32 +	100	100	0.00	301.77
Gf1	**1**	(untitled)	4			32	699	60	56.10	6	1518	9.14	5.45	79.60	0.52	100	100	0.00	1.50
Cc2	**2**	(untitled)	2	769-2	D	986	2150	33	0.98	83	8	25.14	18.38	78.72	12.92	100	100	0.00	98.56
	3	(untitled)	2	769-2	D	681	2050	33	4.00	59	53	18.97	11.87	83.44	11.66	100	100	0.00	49.22
	4	(untitled)	2	769-2	D	1077 <	2150	33	0.02	88	2	28.84	22.28	91.05	16.95 +	100	100	0.00	128.97
	5	(untitled)	2	769-2	D	242	2050	33	26.00	21	332	21.15	13.17	105.62	4.21	100	100	0.00	18.28
E2	**3**	(untitled)	4	770-3	H	281 <	2150	14	7.17	100	-10	182.99	178.99	216.79	14.86 +	100	100	0.00	217.68
	4	(untitled)	4	770-3	H	179	2050	14	3.00	35	158	32.22	28.15	66.66	2.41	100	100	0.00	23.65
TC5	**2**	(untitled)	TC771-6	TC777-1	A	780	2263	38	11.00	52	74	6.46	3.70	22.62	2.94	100	100	0.00	13.59
	3	(untitled)	TC771-6	TC777-1	A	639	2263	38	19.00	42	112	3.95	1.19	4.58	0.49	100	100	0.00	3.36
	4	(untitled)	TC771-6	TC777-1	C	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC9	**1**	(untitled)	TC771-6	TC777-1	B	1232 <	1925	39	0.00	91	-2	31.54	20.54	85.56	19.20 +	100	100	0.00	113.01
	2	(untitled)	TC771-6	TC777-1	B	749 <	1966	39	19.15	100	-10	120.46	109.40	276.51	29.13 +	100	100	0.00	349.04
	3	(untitled)	TC771-6	TC777-1	B	389	1947	39	8.00	29	216	16.38	5.26	37.78	2.45	100	100	0.00	9.91
TC35	**1**	(untitled)	TC771-6	TC777-1	A	171	1900	38	10.00	14	565	7.10	4.20	35.65	1.46	100	100	0.00	3.60
TC36	**1**	(untitled)	TC771-6			433	1800	60	0.00	24	274	3.34	0.32	0.00	0.04	100	100	0.00	0.54
TC37	**1**	(untitled)	TC771-6	TC777-2	J	78	1850	45	0.00	5	1537	5.01	1.82	23.46	0.30	100	100	0.00	1.20
TC38	**1**	(untitled)	TC771-6			78	446	60	14.00	17	414	4.71	3.17	39.61	2.43	100	100	0.00	2.05
TC39	**2**	(untitled)	TC771-6			780	2263	60	31.00	34	161	2.96	0.42	0.00	0.09	100	100	0.00	1.29

	3	(untitled)	TC771-6			639	2263	60	39.00	28	219	2.71	0.31	0.00	0.06	100	100	0.00	0.79
TC40	2	(untitled)	TC771-6			858	Unrestricted	60	14.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC771-6			639	Unrestricted	60	29.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
TC41	1	(untitled)	TC771-6	TC777-1	D	355 <	1850	11	0.00	96	-6	87.79	83.86	165.62	11.15 +	100	100	0.00	137.91
TC42	1	(untitled)	TC771-6	TC777-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC43	1	(untitled)				0	1800	60	60.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	100	0.00	0.00
47	1	(untitled)	2			1300	1300	60	0.00	100	-10	64.61	48.58	0.00	17.54	100	100	0.00	249.09
48	1	(untitled)	2			1097	1965	60	0.00	56	61	7.77	1.16	0.00	0.35	100	100	0.00	5.00
49	1	(untitled)	TC771-6			1232	1900	60	0.00	65	39	4.89	1.74	0.00	0.60	100	100	0.00	8.46
	2	(untitled)	TC771-6			1355 <	1900	60	24.09	119	-24	304.90	301.75	314.17	130.04 +	100	100	0.00	1657.60
50	1	(untitled)	1			1391 <	1900	60	19.26	108	-17	158.48	152.71	246.74	77.25 +	100	100	0.00	877.77
51	1	(untitled)	4-2			936	1900	60	0.00	49	83	5.41	0.92	0.00	0.24	100	100	0.00	3.39

Pedestrian Crossing Results

				SIGNALS		FLOWS		PERFORMANCE			PER PED		QUEUES	WEIGHTS	PENALTIES	P.I.
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	Journey Time (s)	Mean Delay per Ped (s)	Mean max queue (Ped)	Delay weighting (%)	Cost of traffic penalties (£ per hr)	P.I.
1	1	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
2	1	(untitled)	3	770-1	C	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3	770-1	C	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
3	1	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
4	1	(untitled)	4	770-3	J	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	J	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	1	(untitled)	4	770-3	I	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	I	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
6	1	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00

	2	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
7	**1**	(untitled)	5	771-1	C	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
8	**1**	(untitled)	1	769-1	C	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	1	769-1	C	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
9	**1**	(untitled)	2	769-2	J	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	J	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
10	**1**	(untitled)	2	769-2	K	0	11000	15	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	K	0	11000	15	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	**1**	(untitled)		769-2	H	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	**1**	(untitled)	2	769-2	I	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
13	**1**	(untitled)		TC777-1	I	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	I	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
14	**1**	(untitled)		TC777-1	F	0	11000	39	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	F	0	11000	39	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
15	**1**	(untitled)		TC777-1	G	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	G	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
16	**1**	(untitled)		TC777-1	H	0	11000	9	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	H	0	11000	9	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
17	**1**	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

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	6494.03	1055.54	6.15	887.64	12604.55	1188.13	0.00	13792.68
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	6494.03	1055.54	6.15	887.64	12604.55	1188.13	0.00	13792.68

- *< = 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***