TRANSYT 16

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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 10:33:05

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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 - AM 2032 + Com Dev					
Network	A5 D5	120	18041.90	1195.99	252% (TS 51/1)	26 (18%)

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

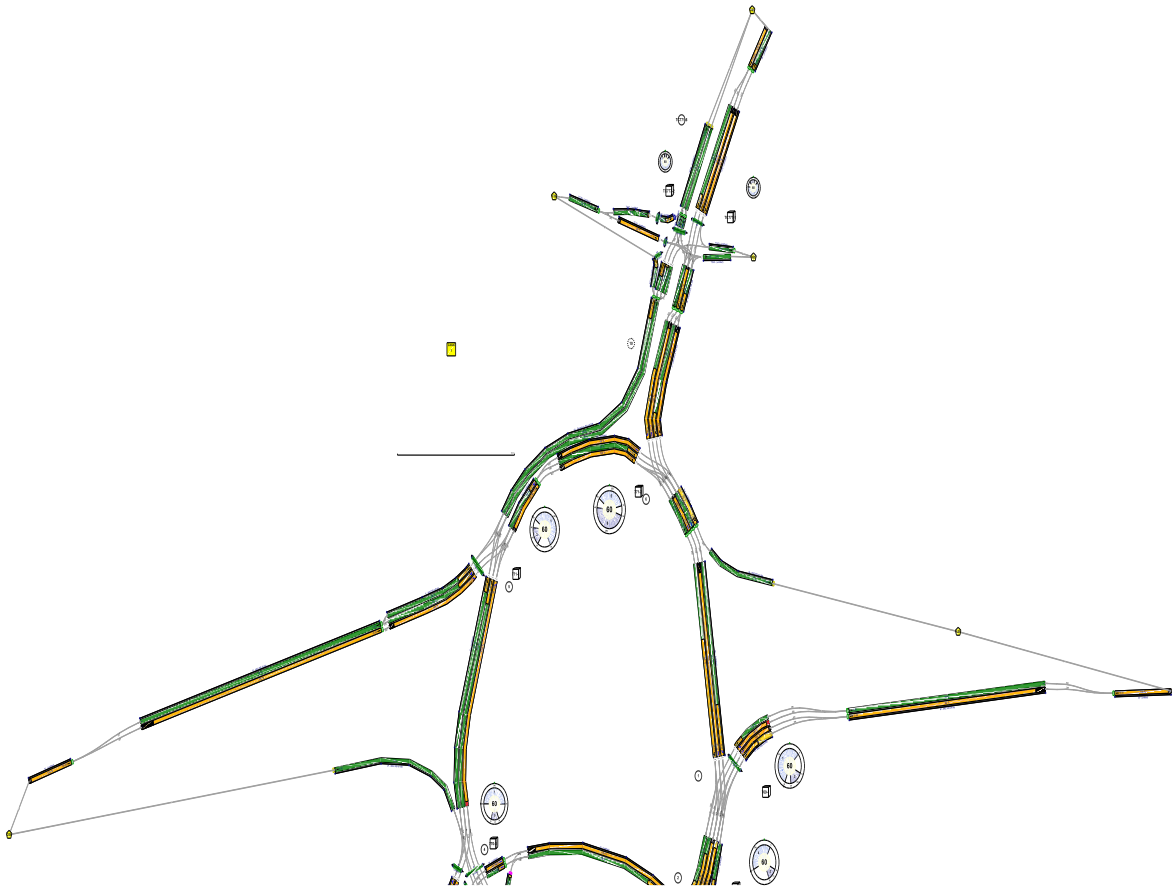
Sorting

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



A5 - AM Base 2032 + Com Dev
D5 - AM 2032 + Com Dev,

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
5	24/01/2021 10:31:47	24/01/2021 10:32:04	17.67	07:30	120	18041.90	1195.99	251.74	51/1	26	18	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		AM Base 2032 + Com Dev - CP - Dev	✓	D5		✓	

Demand Set Details

Scenario name	Time Period name	Description	Composite	Demand sets	Start time (HH:mm)	Locked	Run automatically
AM 2032 + Com Dev		AM 2032 + Com Dev - CP - Dev			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**	374	374
	2	207	207
	3	367	367
	4	271	271
Ac	**1**	1161	1161
	2	202	202
	3	325	325
Acf	**1**	1363	1363
	2	325	325
Af	**1**	581	581
	2	367	367
	3	271	271
B	**1**	338	338
	2	446	446
	3	474	474
	4	617	617
Bc	**1**	445	445
	2	578	578
	3	349	349
Bcf	**1**	1535	1535
	2	445	445
	3	578	578
	4	349	349
Bf	**1**	784	784
	2	1091	1091
C	**1**	582	582
	2	672	672
	3	372	372
Cf	**1**	582	582
	2	1044	1044
D	**1**	444	444
	2	846	846
	3	840	840
Dc	**1**	1038	1038
	2	795	795
	3	635	635
	4	989	989
Dcf	**1**	718	718
	2	1300	1300
	3	795	795
	4	635	635
	5	989	989
Df	**1**	1290	1290
	2	840	840
Dxp	**1**	718	718
	2	263	263
Ec	**1**	695	695
	2	1414	1414
	3	1246	1246
	4	611	611
Ecf	**1**	1220	1220
	2	1057	1057
	3	1414	1414
	4	1896	1896
Ef	**1**	928	928

	2	521	521
Exp	**1**	1220	1220
	2	362	362
F	**1**	299	299
	2	201	201
	3	245	245
Fc	**1**	1638	1638
	2	1290	1290
	3	1213	1213
Ff	**1**	500	500
	2	245	245
G	**1**	389	389
	2	171	171
Gf	**1**	386	386
	2	135	135
xA	**1**	1704	1704
	2	1494	1494
xB	**1**	1535	1535
xC	**1**	629	629
	2	368	368
xD	**1**	718	718
	2	263	263
xE	**1**	1220	1220
	2	362	362
xF	**1**	753	753
Cc1	**1**	436	436
E1	**1**	326	326
	2	602	602
Gf1	**1**	39	39
Cc2	**2**	627	627
	3	679	679
	4	889	889
	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	266	266
TC35	**1**	235	235
TC36	**1**	44	44
TC37	**1**	15	15
TC38	**1**	15	15
TC39	**2**	1469	1469
	3	1494	1494
TC40	**2**	1484	1484
	3	1494	1494
TC41	**1**	29	29
TC42	**1**	0	0
TC43	**1**	0	0
47	**1**	996	996
48	**1**	1626	1626
49	**1**	564	564

	2	626	626
50	**1**	1875	1875
51	**1**	745	745

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	73	916	0
	B28	40	0	100	294	627	27	538	0
	C28	578	39	0	262	182	24	1045	0
	D28	3	234	165	0	44	48	251	0
	E28	540	521	84	58	0	33	213	0
	F28	9	7	3	6	4	0	15	0
	G28	365	140	296	131	228	30	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	3
	91	I2	C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	24
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	33
	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	15
	113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	9
	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	1
	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	1
	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	1
	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	1
	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	1
	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	3
	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	7
	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	27
	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	48
	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	30
	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	73
	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	1
	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	1
	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	374	2050	36	649	58	56	15.58	5.53	42.69	21.16
		2	(untitled)	E	207	2050	36	649	32	182	11.76	2.62	19.61	17.53
		3	(untitled)	E	366	2050	36	377	97	-7	130.78	17.23	126.04	136.68
		4	(untitled)	E	271	2050	36	649	42	116	13.72	4.80	34.33	19.74
	Ac	1	(untitled)	D	1045	2263	64	1245	84	7	25.35	17.27	103.64	32.54
		2	(untitled)	D	79	2263	64	1235	6	1302	0.93	1.69	10.54	10.43
		3	(untitled)	D	171	2263	64	170	100	-10	403.49	20.18	131.92	410.08
	Acf	1	(untitled)		1119	2263	120	2178	51	75	1.00	2.63	21.72	6.22
		2	(untitled)		171	2263	120	171	100	-10	354.03	17.92	146.34	361.27
	Af	1	(untitled)		581	2050	120	2050	28	218	0.35	0.06	0.60	6.77
		2	(untitled)		366	2050	120	2048	18	404	0.19	1.47	15.88	6.57
		3	(untitled)		271	2050	120	2050	13	581	0.13	0.01	0.11	6.50
	B	1	(untitled)	B	319	2050	38	683	47	93	17.51	3.81	23.16	24.61
		2	(untitled)	B	420	2150	38	654	64	40	21.21	5.65	33.41	28.50
		3	(untitled)	B	447	2100	38	689	65	39	30.39	8.06	46.46	37.86
		4	(untitled)	B	581	2050	38	581	100	-10	142.21	28.97	162.63	154.50
	Bc	1	(untitled)	A	300	2050	58	1025	29	207	1.70	0.39	1.68	13.65
		2	(untitled)	A	501	2050	58	497	101	-11	203.75	33.00	144.33	215.59
		3	(untitled)	A	302	2050	58	658	46	96	8.64	6.00	26.50	20.35
	Bcf	1	(untitled)		1424	2263	120	2263	63	43	1.35	0.53	4.89	5.50
		2	(untitled)		300	2263	120	2263	13	578	0.12	0.01	0.09	5.97
		3	(untitled)		502	2263	120	501	100	-10	134.92	21.39	197.25	140.86
		4	(untitled)		302	2263	120	2263	13	575	0.12	0.01	0.09	6.44
	Bf	1	(untitled)		740	1800	120	1800	41	119	0.70	0.14	0.36	28.03
		2	(untitled)		1028	1800	120	1078	95	-6	74.90	46.08	115.99	102.32
	C	1	(untitled)	G	489	2100	30	560	87	3	49.09	10.55	50.08	63.62
		2	(untitled)	G	564	2200	30	587	96	-6	136.55	27.38	128.65	151.24

	3	(untitled)	G	312	2050	30	547	57	57	23.10	5.59	25.83	38.02
Cf	1	(untitled)		489	1965	120	1965	25	262	0.30	0.04	0.16	17.66
	2	(untitled)		877	1965	120	877	100	-10	110.34	38.96	153.58	127.84
D	1	(untitled)	B	340	2050	40	718	47	90	25.15	4.39	45.87	29.28
	2	(untitled)	B	648	1850	40	648	100	-10	101.73	21.52	224.95	105.85
	3	(untitled)	B	754	2250	40	754	100	-10	85.64	20.20	219.69	89.61
Dc	1	(untitled)	A	926	2100	60	1085	85	5	20.34	9.35	106.06	24.14
	2	(untitled)	A	708	2100	60	1085	65	38	12.47	7.46	88.06	16.12
	3	(untitled)	A	576	2100	60	787	73	23	13.78	6.46	79.42	17.29
	4	(untitled)	A	894	2100	60	894	100	-10	74.35	21.42	274.74	77.71
Dcf	1	(untitled)		608	2050	120	2050	30	203	0.37	0.06	0.55	5.32
	2	(untitled)		1157	2100	120	1389	83	8	13.55	10.86	94.75	18.49
	3	(untitled)		708	2100	120	1749	40	122	0.93	2.37	19.85	6.39
	4	(untitled)		576	2100	120	2100	27	228	0.32	0.05	0.45	7.31
	5	(untitled)		894	2100	120	894	100	-10	78.61	25.77	221.44	83.63
Df	1	(untitled)		1290	1900	120	987	131	-31	436.73	169.12	486.23	460.73
	2	(untitled)		840	2250	120	754	111	-19	215.83	59.23	170.30	239.83
Dxp	1	(untitled)	D	608	2050	101	1743	35	158	1.06	1.40	17.25	4.56
	2	(untitled)	D	231	2050	101	1743	13	579	0.37	0.14	1.65	4.02
Ec	1	(untitled)	F	586	2150	70	1290	45	98	6.86	3.81	43.78	10.62
	2	(untitled)	F	1172	2263	70	1358	86	4	14.35	9.56	113.45	17.98
	3	(untitled)	F	1118	2263	70	1358	82	9	9.42	5.91	72.70	12.93
	4	(untitled)	F	546	2250	70	1350	40	123	13.32	7.06	88.35	16.76
Ecf	1	(untitled)		1065	2100	120	2095	51	77	0.91	4.91	61.50	4.36
	2	(untitled)		908	2100	120	2100	43	108	0.65	0.16	2.04	4.13
	3	(untitled)		1172	2263	120	1654	71	27	7.00	7.30	89.39	10.52
	4	(untitled)		1699	2300	120	1878	90	-1	10.71	10.22	116.73	14.56
Ef	1	(untitled)		928	1900	120	829	112	-20	220.50	67.10	302.50	235.80
	2	(untitled)		521	1900	120	1900	27	228	0.36	0.05	0.23	15.66
Exp	1	(untitled)	L	1065	2050	100	1725	62	46	2.71	5.19	57.53	6.60
	2	(untitled)	L	322	2050	100	1725	19	382	0.24	0.02	0.23	4.27
F	1	(untitled)	B	114	2100	20	385	30	204	11.79	2.38	16.08	18.18

	2	(untitled)	B	77	2100	20	385	20	352	10.65	2.34	15.72	17.08
	3	(untitled)	B	98	2100	20	99	100	-10	648.21	18.34	120.90	654.75
Fc	1	(untitled)	A	1372	2263	80	1546	89	1	10.71	8.00	25.09	29.81
	2	(untitled)	A	1157	2263	80	1460	79	14	9.05	9.96	31.55	27.78
	3	(untitled)	A	1083	2263	80	1090	99	-9	64.25	34.20	109.08	83.65
Ff	1	(untitled)		199	1900	120	1900	10	761	0.11	0.01	0.01	33.20
	2	(untitled)		98	1900	120	98	99	-10	1832.17	52.18	108.95	1865.22
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	52.06
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)		1326	2263	120	2263	59	54	1.12	0.41	1.04	18.35
	2	(untitled)		1292	2263	120	2263	57	58	1.06	0.38	0.95	18.30
xB	1	(untitled)		1424	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	1	(untitled)		543	1900	120	1281	42	112	7.78	11.75	58.47	16.45
	2	(untitled)		300	1900	120	1410	21	323	3.30	4.70	23.29	12.00
xD	1	(untitled)		608	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
	2	(untitled)		232	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
xE	1	(untitled)		1065	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		320	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	1	(untitled)		638	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
Cc1	1	(untitled)	E	287	2050	64	1128	25	254	3.46	2.57	15.39	10.26
E1	1	(untitled)	G	291	2050	28	513	57	58	36.13	5.21	37.45	42.13
	2	(untitled)	G	537	2200	28	550	98	-8	124.29	22.32	160.42	130.29
Gf1	1	(untitled)		35	690	120	690	5	1676	0.46	0.11	1.23	4.15
Cc2	2	(untitled)	D	532	2150	66	1203	44	104	11.45	5.42	34.03	18.63
	3	(untitled)	D	648	2050	66	1162	56	61	13.05	13.17	84.86	20.44
	4	(untitled)	D	817	2150	66	817	100	-10	95.90	27.25	176.15	102.90
	5	(untitled)	D	581	2050	66	581	100	-10	112.45	24.69	160.12	120.43
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	1139	2263	101	1942	59	53	1.70	2.06	51.36	4.47

		3	(untitled)	A	1292	2263	101	1942	67	35	1.92	0.96	24.05	4.68
		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	266	1947	86	1444	18	389	4.92	2.46	15.26	16.04
	TC35	1	(untitled)	A	188	1900	101	1631	12	682	0.69	0.28	6.76	3.59
	TC36	1	(untitled)		44	1800	120	1800	2	3582	0.03	0.00	0.01	3.05
	TC37	1	(untitled)	J	15	1850	105	1634	1	9705	0.89	0.06	0.76	4.08
	TC38	1	(untitled)		15	267	120	267	6	1500	3.01	2.42	65.19	4.55
	TC39	2	(untitled)		1136	2263	120	2263	50	79	0.80	0.25	4.12	3.34
		3	(untitled)		1291	2263	120	2263	57	58	1.05	0.38	6.53	3.45
	TC40	2	(untitled)		1151	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		1291	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	29	1850	8	139	21	331	55.61	2.44	25.71	59.55
	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)		843	1300	120	1300	65	39	2.54	0.59	2.56	18.57
	48	1	(untitled)		1626	1965	120	1366	119	-24	301.24	155.09	1617.79	307.86
	49	1	(untitled)		564	1900	120	1900	30	203	0.40	0.06	1.37	3.55
		2	(untitled)		625	1900	120	1900	33	174	0.46	0.08	1.77	3.61
	50	1	(untitled)		1876	1900	120	1768	106	-15	119.25	90.19	1077.08	125.03
	51	1	(untitled)		746	1900	120	296	252	-64	1092.32	234.87	3604.41	1096.82

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	230.8	235.2	335.7	342.4	387.4	635.1	0.0
	B28	774.6	0.0	412.3	635.3	498.5	688.4	706.9	0.0
	C28	503.2	431.5	0.0	526.3	519.9	649.9	605.8	0.0
	D28	1198.2	1714.4	4693.2	0.0	4629.6	1175.2	1184.0	0.0
	E28	489.4	150.6	1606.3	290.1	0.0	335.1	343.6	0.0
	F28	111.8	152.7	450.2	412.8	449.2	0.0	15.9	0.0

	G28	60.6	99.5	505.0	119.4	463.4	187.6	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	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	501.24	834.67	0.00	0.00	0.00	571	501.24	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	519.93	526.66	0.00	0.00	0.00	182	519.93	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	494.21	693.05	0.00	0.00	0.00	522	494.21	693.05
42	E28	C28	40	1612.89	1065.88	0.00	0.00	0.00	40	1612.89	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	526.33	514.00	0.00	0.00	0.00	262	526.33	514.00
50	E28	D28	58	290.12	370.08	0.00	0.00	0.00	58	290.12	370.08
68	E28	G28	191	343.70	737.43	0.00	0.00	0.00	191	343.70	737.43
86	F28	D28	3	165.43	871.13	0.00	0.00	0.00	3	165.43	871.13
91	C28	F28	24	649.88	787.40	0.00	0.00	0.00	24	649.88	787.40
92	E28	F28	33	335.10	644.57	0.00	0.00	0.00	33	335.10	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	429.84	753.91	0.00	0.00	0.00	36	429.84	753.91
100	E28	B28	135	127.59	623.35	0.00	0.00	0.00	135	127.59	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	221.88	696.48	0.00	0.00	0.00	283	221.88	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	658.47	880.25	0.00	0.00	0.00	585	658.47	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	554.13	769.84	0.00	0.00	0.00	119	554.13	769.84
107	A28	B28	28	228.94	716.08	0.00	0.00	0.00	28	228.94	716.08
108	B28	G28	332	713.01	1057.75	0.00	0.00	0.00	332	713.01	1057.75
109	C28	G28	230	419.06	873.55	0.00	0.00	0.00	230	419.06	873.55
110	E28	G28	22	342.35	731.08	0.00	0.00	0.00	22	342.35	731.08
111	B28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
112	F28	G28	15	15.91	149.60	0.00	0.00	0.00	15	15.91	149.60
113	F28	A28	9	111.84	347.74	0.00	0.00	0.00	9	111.84	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	423.48	558.16	0.00	0.00	0.00	9	423.48	558.16
116	F28	C28	1	549.74	731.34	0.00	0.00	0.00	1	549.74	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	1	289.76	882.77	0.00	0.00	0.00	1	289.76	882.77
120	F28	E28	1	165.63	886.05	0.00	0.00	0.00	1	165.63	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	1	143.00	732.12	0.00	0.00	0.00	1	143.00	732.12
130	G28	C28	119	662.32	770.24	0.00	0.00	0.00	119	662.32	770.24
131	G28	E28	123	688.58	921.19	0.00	0.00	0.00	123	688.58	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	4880.34	1229.52	0.00	0.00	0.00	6	4880.34	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	4859.01	1232.51	0.00	0.00	0.00	6	4859.01	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	1	681.01	882.69	0.00	0.00	0.00	1	681.01	882.69
148	F28	D28	3	660.14	870.77	0.00	0.00	0.00	3	660.14	870.77
149	C28	B28	3	451.90	757.09	0.00	0.00	0.00	3	451.90	757.09
150	E28	B28	386	158.65	625.89	0.00	0.00	0.00	386	158.65	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	7	152.68	751.33	0.00	0.00	0.00	7	152.68	751.33
154	E28	A28	18	349.05	694.21	0.00	0.00	0.00	18	349.05	694.21
155	E28	C28	4	386.78	1072.77	0.00	0.00	0.00	4	386.78	1072.77
156	C28	G28	60	658.48	875.68	0.00	0.00	0.00	60	658.48	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	635.29	699.67	0.00	0.00	0.00	294	635.29	699.67
159	B28	E28	145	635.49	714.59	0.00	0.00	0.00	145	635.49	714.59
160	B28	G28	206	696.98	1062.09	0.00	0.00	0.00	206	696.98	1062.09
161	B28	F28	27	688.39	969.24	0.00	0.00	0.00	27	688.39	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	774.55	1018.87	0.00	0.00	0.00	40	774.55	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	411.23	555.13	0.00	0.00	0.00	91	411.23	555.13
167	B28	E28	482	457.29	709.11	0.00	0.00	0.00	482	457.29	709.11
168	G28	A28	365	60.58	385.83	0.00	0.00	0.00	365	60.58	385.83
169	G28	B28	70	99.92	789.43	0.00	0.00	0.00	70	99.92	789.43
170	G28	B28	70	99.11	789.81	0.00	0.00	0.00	70	99.11	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	239.27	921.85	0.00	0.00	0.00	71	239.27	921.85
177	G28	D28	131	119.36	910.21	0.00	0.00	0.00	131	119.36	910.21
178	G28	E28	34	117.15	925.13	0.00	0.00	0.00	34	117.15	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	232.74	715.70	0.00	0.00	0.00	28	232.74	715.70
186	A28	C28	49	312.24	699.40	0.00	0.00	0.00	49	312.24	699.40
187	A28	E28	327	348.57	850.36	0.00	0.00	0.00	327	348.57	850.36
195	D28	G28	198	1183.97	744.99	0.00	0.00	0.00	198	1183.97	744.99
196	D28	F28	48	1175.19	652.14	0.00	0.00	0.00	48	1175.19	652.14
197	D28	G28	53	1184.17	740.41	0.00	0.00	0.00	53	1184.17	740.41
198	D28	A28	3	1198.15	704.14	0.00	0.00	0.00	3	1198.15	704.14

199	D28	B28	99	1220.12	1101.91	0.00	0.00	0.00	99	1220.12	1101.91
200	D28	B28	99	1219.06	1102.29	0.00	0.00	0.00	99	1219.06	1102.29
201	D28	C28	120	4755.38	1078.16	0.00	0.00	0.00	120	4755.38	1078.16
204	D28	C28	45	4527.51	1077.09	0.00	0.00	0.00	45	4527.51	1077.09
205	D28	E28	27	4564.88	1228.05	0.00	0.00	0.00	27	4564.88	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	4457.86	1231.32	0.00	0.00	0.00	6	4457.86	1231.32
210	A28	G28	617	750.92	1200.07	0.00	0.00	0.00	617	750.92	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	328.11	856.77	0.00	0.00	0.00	102	328.11	856.77
214	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
215	G28	F28	30	187.62	1179.78	0.00	0.00	0.00	30	187.62	1179.78
218	A28	G28	289	396.02	1204.28	0.00	0.00	0.00	289	396.02	1204.28
219	A28	F28	73	387.39	1111.43	0.00	0.00	0.00	73	387.39	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	335.65	838.43	0.00	0.00	0.00	2	335.65	838.43
223	A28	E28	68	334.20	853.35	0.00	0.00	0.00	68	334.20	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	396.37	1199.70	0.00	0.00	0.00	10	396.37	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	658.85	875.67	0.00	0.00	0.00	170	658.85	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	4436.17	1099.55	0.00	0.00	0.00	36	4436.17	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	90.18	770.21	0.00	0.00	0.00	59	90.18	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	1721.69	1066.29	0.00	0.00	0.00	40	1721.69	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	1	657.94	731.74	0.00	0.00	0.00	1	657.94	731.74
253	F28	E28	1	660.34	885.69	0.00	0.00	0.00	1	660.34	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	663.58	838.81	0.00	0.00	0.00	7	663.58	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	374	2050	36	0.00	58	56	21.16	15.58	77.90	5.53	100	100	0.00	32.33
	2	(untitled)	6	771-2	E	207	2050	36	0.00	32	182	17.53	11.76	68.16	2.62	100	100	0.00	14.13
	3	(untitled)	6	771-2	E	366 <	2050	36	15.91	97	-7	136.68	130.78	175.48	17.23 +	100	100	0.00	210.06
	4	(untitled)	6	771-2	E	271	2050	36	0.00	42	116	19.74	13.72	75.17	4.80	100	100	0.00	21.20
Ac	**1**	(untitled)	6	771-2	D	1045 <	2263	64	0.00	84	7	32.54	25.35	96.75	17.27 +	100	100	0.00	137.05
	2	(untitled)	6	771-2	D	79	2263	64	44.51	6	1302	10.43	0.93	43.93	1.69	100	100	0.00	0.88
	3	(untitled)	6	771-2	D	171 <	2263	64	56.99	100	-10	410.08	403.49	271.00	20.18 +	100	100	0.00	286.51
Acf	**1**	(untitled)	6			1119	2263	120	19.53	51	75	6.22	1.00	5.98	2.63	100	100	0.00	6.58
	2	(untitled)	6			171 <	2263	120	110.95	100	-10	361.27	354.03	215.78	17.92 +	100	100	0.00	244.84
Af	**1**	(untitled)	6			581	2050	120	29.00	28	218	6.77	0.35	0.00	0.06	100	100	0.00	0.80
	2	(untitled)	6			366	2050	120	29.10	18	404	6.57	0.19	0.17	1.47	100	100	0.00	0.28
	3	(untitled)	6			271	2050	120	29.00	13	581	6.50	0.13	0.00	0.01	100	100	0.00	0.14
B	**1**	(untitled)	1	769-1	B	319	2050	38	0.00	47	93	24.61	17.51	71.55	3.81	100	100	0.00	29.40
	2	(untitled)	1	769-1	B	420	2150	38	3.53	64	40	28.50	21.21	81.45	5.65	100	100	0.00	46.14
	3	(untitled)	1	769-1	B	447	2100	38	12.62	65	39	37.86	30.39	107.92	8.06	100	100	0.00	69.01
	4	(untitled)	1	769-1	B	581 <	2050	38	5.97	100	-10	154.50	142.21	231.90	28.97 +	100	100	0.00	343.03
Bc	**1**	(untitled)	1	769-1	A	300	2050	58	10.00	29	207	13.65	1.70	8.11	0.39	100	100	0.00	2.55

	2	(untitled)	1	769-1	A	501 <	2050	58	30.93	101	-11	215.59	203.75	276.37	33.00 +	100	100	0.00	432.80
	3	(untitled)	1	769-1	A	302	2050	58	34.47	46	96	20.35	8.64	79.79	6.00	100	100	0.00	15.66
Bcf	**1**	(untitled)	1			1424	2263	120	16.00	63	43	5.50	1.35	0.00	0.53	100	100	0.00	7.57
	2	(untitled)	1			300	2263	120	51.00	13	578	5.97	0.12	0.00	0.01	100	100	0.00	0.14
	3	(untitled)	1			502 <	2263	120	93.46	100	-10	140.86	134.92	148.37	21.39 +	100	100	0.00	284.64
	4	(untitled)	1			302	2263	120	64.00	13	575	6.44	0.12	0.00	0.01	100	100	0.00	0.15
Bf	**1**	(untitled)	1			740	1800	120	0.00	41	119	28.03	0.70	0.00	0.14	100	100	0.00	2.03
	2	(untitled)	1			1028 <	1800	120	48.13	95	-6	102.32	74.90	235.89	46.08 +	100	100	0.00	334.16
C	**1**	(untitled)	2	769-2	G	489	2100	30	0.00	87	3	63.62	49.09	126.85	10.55	100	100	0.00	102.42
	2	(untitled)	2	769-2	G	564 <	2200	30	0.00	96	-6	151.24	136.55	250.08	27.38 +	100	100	0.00	321.71
	3	(untitled)	2	769-2	G	312	2050	30	12.00	57	57	38.02	23.10	107.13	5.59	100	100	0.00	32.67
Cf	**1**	(untitled)	2			489	1965	120	26.00	25	262	17.66	0.30	0.00	0.04	100	100	0.00	0.58
	2	(untitled)	2			877 <	1965	120	66.45	100	-10	127.84	110.34	212.34	38.96 +	100	100	0.00	404.97
D	**1**	(untitled)	3	770-1	B	340	2050	40	4.00	47	90	29.28	25.15	77.44	4.39	100	100	0.00	42.16
	2	(untitled)	3	770-1	B	648 <	1850	40	0.00	100	-10	105.85	101.73	130.63	21.52 +	100	100	0.00	286.96
	3	(untitled)	3	770-1	B	754 <	2250	40	1.81	100	-10	89.61	85.64	97.97	20.20 +	100	100	0.00	278.29
Dc	**1**	(untitled)	3	770-1	A	926 <	2100	60	0.01	85	5	24.14	20.34	61.11	9.35 +	100	100	0.00	92.49
	2	(untitled)	3	770-1	A	708	2100	60	0.00	65	38	16.12	12.47	62.70	7.46	100	100	0.00	49.05
	3	(untitled)	3	770-1	A	576	2100	60	17.02	73	23	17.29	13.78	78.56	6.46	100	100	0.00	45.84
	4	(untitled)	3	770-1	A	894 <	2100	60	10.92	100	-10	77.71	74.35	100.57	21.42 +	100	100	0.00	290.99
Dcf	**1**	(untitled)	3			608	2050	120	24.00	30	203	5.32	0.37	0.00	0.06	100	100	0.00	0.89
	2	(untitled)	3			1157	2100	120	50.61	83	8	18.49	13.55	54.94	10.86	100	100	0.00	82.24
	3	(untitled)	3			708	2100	120	35.06	40	122	6.39	0.93	7.28	2.37	100	100	0.00	4.14
	4	(untitled)	3			576	2100	120	42.00	27	228	7.31	0.32	0.00	0.05	100	100	0.00	0.74
	5	(untitled)	3			894 <	2100	120	68.92	100	-10	83.63	78.61	122.92	25.77 +	100	100	0.00	312.43
Df	**1**	(untitled)	3-2			1290 <	1900	120	57.64	131	-31	460.73	436.73	352.67	169.12 +	100	100	0.00	2265.88
	2	(untitled)	3-2			840 <	2250	120	79.81	111	-19	239.83	215.83	280.01	59.23 +	100	100	0.00	741.57

Dxp	**1**	(untitled)	3-2	770-2	D	608	2050	101	9.00	35	158	4.56	1.06	6.11	1.40	100	100	0.00	3.73
	2	(untitled)	3-2	770-2	D	231	2050	101	53.00	13	579	4.02	0.37	1.74	0.14	100	100	0.00	0.46
Ec	**1**	(untitled)	4	770-3	F	586	2150	70	8.00	45	98	10.62	6.86	39.09	3.81	100	100	0.00	23.23
	2	(untitled)	4	770-3	F	1172 <	2263	70	0.00	86	4	17.98	14.35	48.47	9.56 +	100	100	0.00	84.56
	3	(untitled)	4	770-3	F	1118	2263	70	0.00	82	9	12.93	9.42	31.49	5.91	100	100	0.00	52.82
	4	(untitled)	4	770-3	F	546	2250	70	26.00	40	123	16.76	13.32	77.47	7.06	100	100	0.00	42.25
Ecf	**1**	(untitled)	4			1065	2100	120	22.30	51	77	4.36	0.91	1.97	4.91	100	100	0.00	4.50
	2	(untitled)	4			908	2100	120	20.00	43	108	4.13	0.65	0.03	0.16	100	100	0.00	2.35
	3	(untitled)	4			1172	2263	120	40.27	71	27	10.52	7.00	36.53	7.30	100	100	0.00	46.11
	4	(untitled)	4			1699 <	2300	120	30.01	90	-1	14.56	10.71	35.26	10.22 +	100	100	0.00	90.66
Ef	**1**	(untitled)	4			928 <	1900	120	67.67	112	-20	235.80	220.50	282.73	67.10 +	100	100	0.00	836.50
	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	1065	2050	100	16.00	62	46	6.60	2.71	11.37	5.19	100	100	0.00	15.27
	2	(untitled)	4-2	770-4	L	322	2050	100	39.00	19	382	4.27	0.24	0.69	0.02	100	100	0.00	0.38
F	**1**	(untitled)	5	771-1	B	114	2100	20	0.00	30	204	18.18	11.79	76.99	2.38	100	100	0.00	8.12
	2	(untitled)	5	771-1	B	77	2100	20	1.00	20	352	17.08	10.65	75.67	2.34	100	100	0.00	5.08
	3	(untitled)	5	771-1	B	98 <	2100	20	16.37	100	-10	654.75	648.21	297.14	18.34 +	100	100	0.00	260.63
Fc	**1**	(untitled)	5	771-1	A	1372	2263	80	8.00	89	1	29.81	10.71	34.21	8.00	100	100	0.00	65.74
	2	(untitled)	5	771-1	A	1157	2263	80	12.58	79	14	27.78	9.05	48.62	9.96	100	100	0.00	50.87
	3	(untitled)	5	771-1	A	1083 <	2263	80	24.21	99	-9	83.65	64.25	189.83	34.20 +	100	100	0.00	306.98
Ff	**1**	(untitled)	5			199	1900	120	44.00	10	761	33.20	0.11	2.08	0.01	100	100	0.00	0.14
	2	(untitled)	5			98 <	1900	120	113.79	99	-10	1865.22	1832.17	546.12	52.18 +	100	100	0.00	712.95
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	52.06	40.67	110.25	2.87	100	100	0.00	32.76
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			1326	2263	120	24.00	59	54	18.35	1.12	0.03	0.41	100	100	0.00	5.89
	2	(untitled)	10			1292	2263	120	40.00	57	58	18.30	1.06	0.00	0.38	100	100	0.00	5.38
xB	**1**	(untitled)				1424	Unrestricted	120	2.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	**1**	(untitled)				543	1900	120	56.10	42	112	16.45	7.78	61.23	11.75	100	100	0.00	27.33

	2	(untitled)				300	1900	120	65.92	21	323	12.00	3.30	46.34	4.70	100	100	0.00	8.36
xD	**1**	(untitled)				608	Unrestricted	120	12.00	0	Unrestricted	9.13	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				232	Unrestricted	120	59.00	0	Unrestricted	9.21	0.00	0.00	0.00	100	100	0.00	0.00
xE	**1**	(untitled)				1065	Unrestricted	120	10.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				320	Unrestricted	120	43.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	**1**	(untitled)				638	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	287	2050	64	16.00	25	254	10.26	3.46	20.25	2.57	100	100	0.00	6.08
E1	**1**	(untitled)	4	770-3	G	291	2050	28	12.00	57	58	42.13	36.13	107.24	5.21	100	100	0.00	51.50
	2	(untitled)	4	770-3	G	537 <	2200	28	0.00	98	-8	130.29	124.29	191.18	22.32 +	100	100	0.00	296.50
Gf1	**1**	(untitled)	4			35	690	120	82.00	5	1676	4.15	0.46	10.29	0.11	100	100	0.00	0.18
Cc2	**2**	(untitled)	2	769-2	D	532	2150	66	0.84	44	104	18.63	11.45	62.41	5.42	100	100	0.00	34.45
	3	(untitled)	2	769-2	D	648	2050	66	8.00	56	61	20.44	13.05	78.32	13.17	100	100	0.00	47.56
	4	(untitled)	2	769-2	D	817 <	2150	66	22.41	100	-10	102.90	95.90	176.97	27.25 +	100	100	0.00	353.97
	5	(untitled)	2	769-2	D	581 <	2050	66	33.97	100	-10	120.43	112.45	219.47	24.69 +	100	100	0.00	286.33
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	1139	2263	101	17.00	59	53	4.47	1.70	4.61	2.06	100	100	0.00	8.31
	3	(untitled)	TC771-6	TC777-1	A	1292	2263	101	25.00	67	35	4.68	1.92	2.23	0.96	100	100	0.00	10.15
	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	266	1947	86	0.00	18	389	16.04	4.92	27.73	2.46	100	100	0.00	6.09
TC35	**1**	(untitled)	TC771-6	TC777-1	A	188	1900	101	25.00	12	682	3.59	0.69	4.56	0.28	100	100	0.00	0.62
TC36	**1**	(untitled)	TC771-6			44	1800	120	120.00	2	3582	3.05	0.03	0.00	0.00	100	100	0.00	0.00
TC37	**1**	(untitled)	TC771-6	TC777-2	J	15	1850	105	105.00	1	9705	4.08	0.89	11.68	0.06	100	100	0.00	0.11
TC38	**1**	(untitled)	TC771-6			15	267	120	51.00	6	1500	4.55	3.01	52.83	2.42	100	100	0.00	0.45

TC39	2	(untitled)	TC771-6			1136	2263	120	34.00	50	79	3.34	0.80	0.00	0.25	100	100	0.00	3.59
	3	(untitled)	TC771-6			1291	2263	120	42.00	57	58	3.45	1.05	0.00	0.38	100	100	0.00	5.37
TC40	2	(untitled)	TC771-6			1151	Unrestricted	120	16.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC771-6			1291	Unrestricted	120	22.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
TC41	1	(untitled)	TC771-6	TC777-1	D	29	1850	8	7.00	21	331	59.55	55.61	95.32	2.44	100	100	0.00	7.32
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			843	1300	120	17.00	65	39	18.57	2.54	0.03	0.59	100	100	0.00	8.44
48	1	(untitled)	2			1626 <	1965	120	36.60	119	-24	307.86	301.24	317.04	155.09 +	100	100	0.00	1986.35
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			625	1900	120	0.00	33	174	3.61	0.46	0.00	0.08	100	100	0.00	1.14
50	1	(untitled)	1			1876 <	1900	120	8.35	106	-15	125.03	119.25	223.60	90.19 +	100	100	0.00	931.99
51	1	(untitled)	4-2			746 <	1900	120	101.28	252	-64	1096.82	1092.32	596.53	234.87 +	100	100	0.00	3236.39

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	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	6471.15	1364.69	4.74	1195.99	16983.04	1058.86	0.00	18041.90
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	6471.15	1364.69	4.74	1195.99	16983.04	1058.86	0.00	18041.90

- *< = 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
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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 10:37:59

»Network Diagrams
«A6 - PM Base 2032 + Com Dev : D6 - PM 2032 + Com Dev, :
»Summary
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»Data entry - Link
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»Point to Point Journey Time
»Final Prediction Table

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 - PM 2032 + Com Dev					
Network	A6 D6	60	13075.73	842.87	133% (TS Ef/2)	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

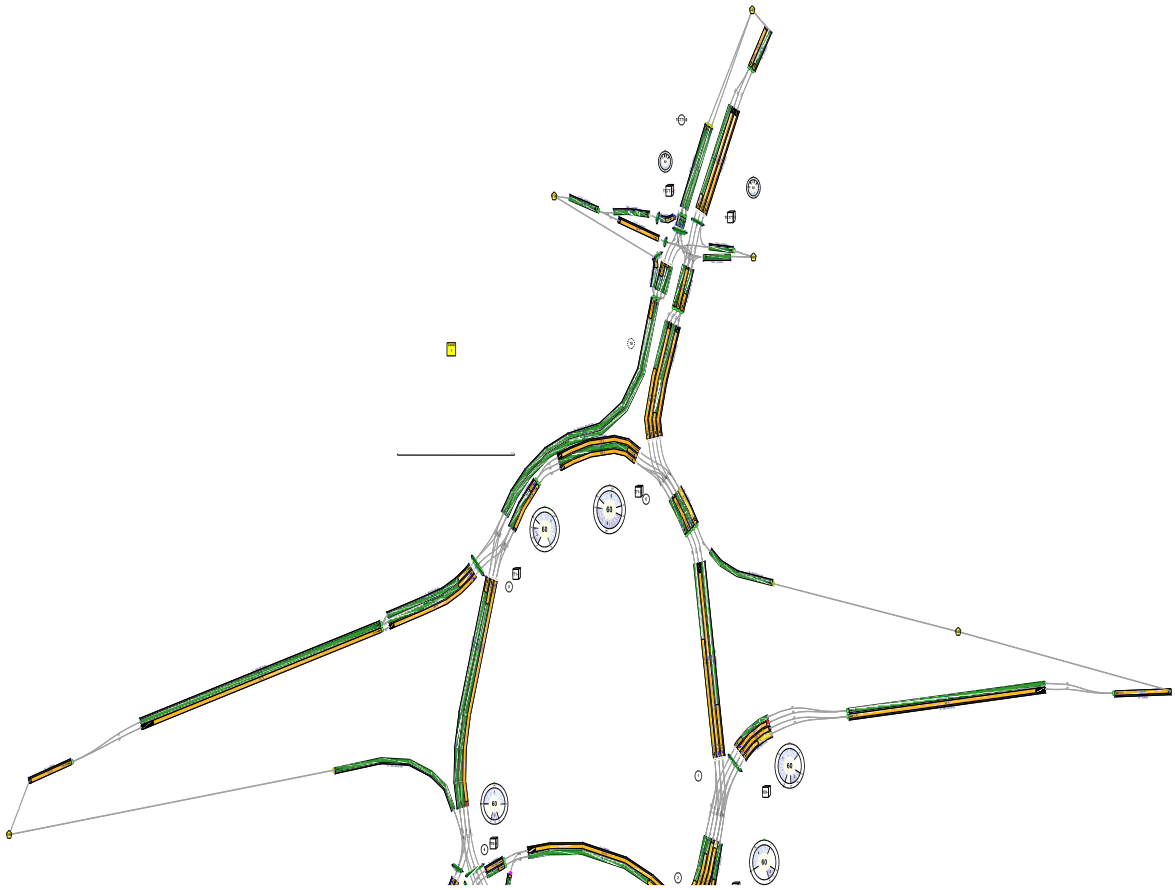
Sorting

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



A6 - PM Base 2032 + Com Dev
D6 - PM 2032 + Com Dev,

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
6	24/01/2021 10:36:31	24/01/2021 10:36:46	15.16	16:30	60	13075.73	842.87	132.71	Ef/2	28	19	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		AM Base 2032 + Com Dev - CP - Dev	✓	D6		✓	

Demand Set Details

Scenario name	Time Period name	Description	Composite	Demand sets	Start time (HH:mm)	Locked	Run automatically
PM 2032 + Com Dev		PM 2032 + Com Dev - CP - Dev			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	905	905
	2	414	414
	3	899	899
	4	541	541
Ac	1	837	837
	2	306	306
	3	483	483
Acf	1	1143	1143
	2	483	483
Af	1	1319	1319
	2	899	899
	3	541	541
B	1	317	317
	2	425	425
	3	341	341
	4	260	260
Bc	1	807	807
	2	1235	1235
	3	600	600
Bcf	1	1742	1742
	2	807	807
	3	1235	1235
	4	600	600
Bf	1	742	742
	2	601	601
C	1	508	508
	2	438	438
	3	144	144
Cf	1	508	508
	2	582	582
D	1	303	303
	2	394	394
	3	398	398
Dc	1	882	882
	2	794	794
	3	307	307
	4	404	404
Dcf	1	1194	1194
	2	1565	1565
	3	794	794
	4	307	307
	5	404	404
Df	1	697	697
	2	398	398
Dxp	1	1194	1194
	2	683	683
Ec	1	587	587
	2	631	631
	3	518	518

	4	323	323
Ecf	**1**	987	987
	2	992	992
	3	631	631
	4	872	872
Ef	**1**	878	878
	2	630	630
Exp	**1**	987	987
	2	405	405
F	**1**	188	188
	2	312	312
	3	388	388
Fc	**1**	736	736
	2	609	609
	3	891	891
Ff	**1**	500	500
	2	388	388
G	**1**	389	389
	2	273	273
Gf	**1**	385	385
	2	245	245
xA	**1**	834	834
	2	663	663
xB	**1**	1742	1742
xC	**1**	804	804
	2	671	671
xD	**1**	1194	1194
	2	683	683
xE	**1**	987	987
	2	405	405
xF	**1**	701	701
Cc1	**1**	812	812
E1	**1**	310	310
	2	568	568
Gf1	**1**	32	32
Cc2	**2**	1102	1102
	3	597	597
	4	1215	1215
	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	443	443
TC35	**1**	40	40
TC36	**1**	236	236
TC37	**1**	43	43
TC38	**1**	43	43
TC39	**2**	794	794
	3	663	663
TC40	**2**	837	837
	3	663	663

TC41	**1**	193	193
TC42	**1**	0	0
TC43	**1**	0	0
47	**1**	1474	1474
48	**1**	1090	1090
49	**1**	1231	1231
	2	1335	1335
50	**1**	1343	1343
51	**1**	888	888

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	8	450	0
	B28	19	0	96	182	520	6	267	0
	C28	312	32	0	198	105	7	441	0
	D28	6	393	284	0	17	8	180	0
	E28	497	630	94	114	1	5	167	0
	F28	69	16	45	46	17	0	43	0
	G28	836	345	969	148	262	6	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	46
	91	I2	C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	7
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	5
	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	43
	113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	69
	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	3
	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	9
	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	9
	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	3
	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	16
	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	6
	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	8
	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	6
	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	8
	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	3
	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	905	2050	28	991	91	-1	27.05	13.78	106.31	32.64
		2	(untitled)	E	415	2050	28	991	42	115	8.42	2.60	19.46	14.19
		3	(untitled)	E	761	2050	28	761	100	-10	97.10	24.88	181.99	103.00
		4	(untitled)	E	474	2050	28	991	48	88	15.54	7.71	55.17	21.56
	Ac	1	(untitled)	D	812	2263	22	867	94	-4	47.43	19.55	117.31	54.61
		2	(untitled)	D	306	2263	22	736	42	116	4.18	5.24	32.65	13.67
		3	(untitled)	D	412	2263	22	412	100	-10	183.94	23.59	154.19	190.54
	Acf	1	(untitled)		1118	2263	60	2263	49	82	0.78	2.56	21.15	5.99
		2	(untitled)		412	2263	60	412	100	-10	162.17	21.51	175.60	169.41
	Af	1	(untitled)		1320	2050	60	2050	64	40	1.58	0.58	6.23	8.01
		2	(untitled)		761	2050	60	1066	71	26	19.80	9.54	103.11	26.19
		3	(untitled)		474	2050	60	2050	23	289	0.26	0.03	0.38	6.63
	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	316	2100	10	378	84	8	42.36	6.02	34.72	49.84
		4	(untitled)	B	242	2050	10	376	64	40	30.35	3.89	21.84	42.64
	Bc	1	(untitled)	A	793	2050	38	1333	60	51	8.20	6.93	29.99	20.16
		2	(untitled)	A	1052	2050	38	1052	100	-10	92.75	36.94	161.55	104.58
		3	(untitled)	A	523	2050	38	1017	51	75	4.68	11.87	52.46	16.38
	Bcf	1	(untitled)		1717	2263	60	2263	76	19	2.48	1.18	10.86	6.83
		2	(untitled)		793	2263	60	2263	35	157	0.43	0.09	0.86	5.83
		3	(untitled)		1052	2263	60	1052	100	-10	69.33	25.24	232.78	75.20
		4	(untitled)		523	2263	60	2263	23	289	0.24	0.03	0.32	6.58
	Bf	1	(untitled)		688	1800	60	744	93	-3	140.29	43.81	110.57	167.63

	2	(untitled)		558	1800	60	1800	31	190	0.45	0.07	0.18	27.86
C	**1**	(untitled)	G	481	2100	13	490	98	-8	179.87	28.81	136.74	194.40
	2	(untitled)	G	438	2200	13	513	85	5	40.99	8.86	41.63	55.67
	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)		582	1965	60	1965	30	204	0.39	0.06	0.25	17.89
D	**1**	(untitled)	B	303	2050	12	444	68	32	30.14	4.84	50.62	34.26
	2	(untitled)	B	394	1850	12	401	98	-8	95.49	13.53	141.42	99.62
	3	(untitled)	B	398	2250	12	436	91	-1	57.41	9.47	103.00	61.37
Dc	**1**	(untitled)	A	809	2100	38	1356	60	51	7.72	7.02	79.63	11.52
	2	(untitled)	A	745	2100	38	1365	55	65	5.50	5.40	63.70	9.15
	3	(untitled)	A	295	2100	38	1365	22	316	3.86	2.57	31.56	7.37
	4	(untitled)	A	386	2100	38	1365	28	218	4.65	2.58	33.04	8.01
Dcf	**1**	(untitled)		1056	2050	60	2050	52	75	0.93	0.27	2.38	5.88
	2	(untitled)		1402	2100	60	2036	69	31	1.97	3.08	26.84	6.92
	3	(untitled)		745	2100	60	2100	35	154	0.47	0.10	0.82	5.87
	4	(untitled)		295	2100	60	2100	14	541	0.14	0.01	0.10	6.64
	5	(untitled)		386	2100	60	2100	18	390	0.19	0.02	0.18	5.21
Df	**1**	(untitled)		697	1900	60	1900	37	145	0.55	0.11	0.31	24.55
	2	(untitled)		398	2250	60	2250	18	409	0.17	0.02	0.05	24.17
Dxp	**1**	(untitled)	D	1056	2050	41	1435	74	22	4.27	2.49	30.69	7.76
	2	(untitled)	D	593	2050	41	1435	41	118	0.95	0.21	2.53	4.60
Ec	**1**	(untitled)	F	563	2150	35	1290	44	106	7.35	5.37	61.64	11.11
	2	(untitled)	F	619	2263	35	1358	46	97	9.68	6.80	80.79	13.31
	3	(untitled)	F	499	2263	35	1358	37	145	4.41	4.85	59.65	7.92
	4	(untitled)	F	323	2250	35	1350	24	276	13.80	5.31	66.50	17.24
Ecf	**1**	(untitled)		914	2100	60	2025	45	99	1.36	5.12	64.14	4.81
	2	(untitled)		943	2100	60	2100	45	100	0.70	0.18	2.27	4.18
	3	(untitled)		619	2263	60	2016	31	193	1.01	2.42	29.61	4.53
	4	(untitled)		854	2300	60	2300	37	142	0.46	0.11	1.25	4.43
Ef	**1**	(untitled)		877	1900	60	831	105	-15	135.08	43.24	194.92	150.39
	2	(untitled)		630	1900	60	475	133	-32	465.51	86.91	391.81	480.81

Exp	**1**	(untitled)	L	914	2050	40	1401	65	38	4.76	5.78	64.08	8.65
	2	(untitled)	L	380	2050	40	1401	27	232	0.48	0.05	0.54	4.51
F	**1**	(untitled)	B	188	2100	10	385	49	84	26.42	2.90	19.57	32.80
	2	(untitled)	B	312	2100	10	385	81	11	42.25	6.31	42.34	48.68
	3	(untitled)	B	323	2100	10	323	100	-10	226.14	22.42	147.78	232.69
Fc	**1**	(untitled)	A	719	2263	40	1546	46	94	1.46	1.88	5.89	20.55
	2	(untitled)	A	585	2263	40	1501	39	131	1.46	3.48	11.02	20.38
	3	(untitled)	A	860	2263	40	917	94	-4	42.34	20.33	64.83	61.97
Ff	**1**	(untitled)		500	1900	60	1900	26	242	0.34	0.05	0.10	33.43
	2	(untitled)		389	1900	60	323	120	-25	551.89	66.02	137.84	584.94
G	**1**	(untitled)	F	294	2050	13	294	100	-10	364.85	33.46	123.84	380.83
	2	(untitled)	F	212	2050	13	463	46	96	40.13	3.74	14.17	51.52
Gf	**1**	(untitled)		290	2050	60	290	100	-10	145.53	14.84	210.84	148.57
	2	(untitled)		184	2050	60	2050	9	901	0.09	2.32	33.35	3.09
xA	**1**	(untitled)		817	2263	60	2185	37	141	0.71	2.43	6.09	17.93
	2	(untitled)		640	2263	60	2263	28	218	0.31	0.06	0.14	17.56
xB	**1**	(untitled)		1717	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	**1**	(untitled)		700	1900	60	699	100	-10	121.96	30.48	151.62	130.63
	2	(untitled)		601	1900	60	775	77	16	13.60	6.04	29.96	22.29
xD	**1**	(untitled)		1056	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
	2	(untitled)		593	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
xE	**1**	(untitled)		914	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		380	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	**1**	(untitled)		671	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
Cc1	**1**	(untitled)	E	794	2050	32	1055	75	20	15.38	13.93	83.60	21.92
E1	**1**	(untitled)	G	294	2050	14	513	57	57	36.11	5.27	37.87	42.11
	2	(untitled)	G	537	2200	14	550	98	-8	124.13	22.32	160.41	130.13
Gf1	**1**	(untitled)		32	696	60	574	6	1513	5.40	0.52	6.09	9.10
Cc2	**2**	(untitled)	D	969	2150	33	1185	82	10	17.71	12.43	78.04	24.49
	3	(untitled)	D	542	2050	33	1155	47	92	10.77	9.10	58.61	17.94
	4	(untitled)	D	1068	2150	33	1217	88	3	21.71	16.75	108.24	28.28
	5	(untitled)	D	242	2050	33	1162	21	332	13.17	4.21	27.29	21.14

E2	3	(untitled)	H	290	2150	14	290	100	-10	174.39	15.00	161.89	178.39
	4	(untitled)	H	185	2050	14	513	36	150	28.74	2.42	25.61	32.81
TC5	2	(untitled)	A	779	2263	38	1509	52	74	3.81	2.94	73.45	6.57
	3	(untitled)	A	640	2263	38	1509	42	112	1.21	0.49	12.23	3.97
	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	755	1966	39	755	100	-10	108.46	29.19	182.26	119.51
	3	(untitled)	B	375	1947	39	1363	28	227	5.32	2.42	14.99	16.45
TC35	1	(untitled)	A	38	1900	38	1267	3	2881	2.43	0.14	3.34	5.33
TC36	1	(untitled)		236	1800	60	1800	13	586	0.15	0.01	0.23	3.18
TC37	1	(untitled)	J	43	1850	45	1418	3	2869	1.79	0.17	2.18	4.98
TC38	1	(untitled)		43	450	60	450	10	841	1.75	2.42	65.28	3.28
TC39	2	(untitled)		779	2263	60	2263	34	161	0.42	0.09	1.47	2.95
	3	(untitled)		640	2263	60	2263	28	218	0.31	0.06	0.96	2.71
TC40	2	(untitled)		822	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
	3	(untitled)		640	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
TC41	1	(untitled)	D	193	1850	11	370	52	73	26.71	2.98	31.32	30.64
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)		1090	1965	60	1965	55	62	1.14	0.34	3.60	7.75
49	1	(untitled)		1232	1900	60	1900	65	39	1.74	0.60	13.05	4.89
	2	(untitled)		1335	1900	60	1130	118	-24	289.09	123.50	2705.96	292.24
50	1	(untitled)		1344	1900	60	1246	108	-17	153.51	74.81	893.43	159.29
51	1	(untitled)		889	1900	60	1900	47	92	0.83	0.21	3.15	5.33

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	383.4	549.1	487.9	292.5	493.1	322.1	321.1	0.0
	B28	231.7	0.0	490.5	126.4	429.2	153.9	151.6	0.0
	C28	245.4	291.6	0.0	94.4	95.3	187.3	189.1	0.0
	D28	153.5	538.7	1380.0	0.0	1308.4	102.7	112.4	0.0
	E28	407.2	1101.1	918.4	204.7	0.0	239.6	247.1	0.0
	F28	97.0	306.3	169.3	129.7	139.7	0.0	15.7	0.0
	G28	89.3	241.7	692.5	430.7	516.1	436.6	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	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	245.19	834.67	0.00	0.00	0.00	302	245.19	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	95.26	526.66	0.00	0.00	0.00	105	95.26	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	413.97	693.05	0.00	0.00	0.00	473	413.97	693.05
42	E28	C28	47	917.76	1065.88	0.00	0.00	0.00	47	917.76	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	94.36	514.00	0.00	0.00	0.00	198	94.36	514.00
50	E28	D28	114	204.69	370.08	0.00	0.00	0.00	114	204.69	370.08
68	E28	G28	100	248.23	737.43	0.00	0.00	0.00	100	248.23	737.43
86	F28	D28	46	129.66	871.13	0.00	0.00	0.00	46	129.66	871.13
91	C28	F28	7	187.25	787.40	0.00	0.00	0.00	7	187.25	787.40
92	E28	F28	5	239.60	644.57	0.00	0.00	0.00	5	239.60	644.57
96	A28	C28	71	593.94	699.00	0.00	0.00	0.00	71	593.94	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	237.50	753.91	0.00	0.00	0.00	28	237.50	753.91
100	E28	B28	245	655.84	623.35	0.00	0.00	0.00	245	655.84	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	434.63	696.48	0.00	0.00	0.00	259	434.63	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	195.53	880.25	0.00	0.00	0.00	276	195.53	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	765.52	769.84	0.00	0.00	0.00	460	765.52	769.84
107	A28	B28	29	494.83	716.08	0.00	0.00	0.00	29	494.83	716.08
108	B28	G28	125	139.72	1057.75	0.00	0.00	0.00	125	139.72	1057.75
109	C28	G28	64	153.19	873.55	0.00	0.00	0.00	64	153.19	873.55
110	E28	G28	67	245.48	731.08	0.00	0.00	0.00	67	245.48	731.08
111	B28	G28	19	161.16	1057.51	0.00	0.00	0.00	19	161.16	1057.51
112	F28	G28	43	15.67	149.60	0.00	0.00	0.00	43	15.67	149.60
113	F28	A28	69	96.99	347.74	0.00	0.00	0.00	69	96.99	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	488.38	558.16	0.00	0.00	0.00	4	488.38	558.16
116	F28	C28	3	372.29	731.34	0.00	0.00	0.00	3	372.29	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	133.77	731.82	0.00	0.00	0.00	35	133.77	731.82
119	F28	E28	9	149.29	882.77	0.00	0.00	0.00	9	149.29	882.77
120	F28	E28	9	130.17	886.05	0.00	0.00	0.00	9	130.17	886.05
121	A28	A28	2	401.34	1161.19	0.00	0.00	0.00	2	401.34	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	3	133.81	732.12	0.00	0.00	0.00	3	133.81	732.12
130	G28	C28	349	769.11	770.24	0.00	0.00	0.00	349	769.11	770.24

131	G28	E28	72	785.01	921.19	0.00	0.00	0.00	72	785.01	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	1427.68	1229.52	0.00	0.00	0.00	2	1427.68	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	1427.69	1232.51	0.00	0.00	0.00	2	1427.69	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	670.33	757.09	0.00	0.00	0.00	4	670.33	757.09
150	E28	B28	385	1384.36	625.89	0.00	0.00	0.00	385	1384.36	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	16	306.30	751.33	0.00	0.00	0.00	16	306.30	751.33
154	E28	A28	24	273.23	694.21	0.00	0.00	0.00	24	273.23	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	193.85	875.68	0.00	0.00	0.00	60	193.85	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	126.42	699.67	0.00	0.00	0.00	182	126.42	699.67
159	B28	E28	108	123.90	714.59	0.00	0.00	0.00	108	123.90	714.59
160	B28	G28	123	162.17	1062.09	0.00	0.00	0.00	123	162.17	1062.09
161	B28	F28	6	153.89	969.24	0.00	0.00	0.00	6	153.89	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	231.70	1018.87	0.00	0.00	0.00	19	231.70	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	490.59	555.13	0.00	0.00	0.00	92	490.59	555.13
167	B28	E28	412	509.24	709.11	0.00	0.00	0.00	412	509.24	709.11
168	G28	A28	836	89.25	385.83	0.00	0.00	0.00	836	89.25	385.83
169	G28	B28	173	295.75	789.43	0.00	0.00	0.00	173	295.75	789.43
170	G28	B28	173	187.63	789.81	0.00	0.00	0.00	173	187.63	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	403.98	770.89	0.00	0.00	0.00	110	403.98	770.89
176	G28	E28	133	419.51	921.85	0.00	0.00	0.00	133	419.51	921.85
177	G28	D28	137	401.99	910.21	0.00	0.00	0.00	137	401.99	910.21
178	G28	E28	57	401.71	925.13	0.00	0.00	0.00	57	401.71	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	603.27	715.70	0.00	0.00	0.00	29	603.27	715.70
186	A28	C28	59	594.20	699.40	0.00	0.00	0.00	59	594.20	699.40
187	A28	E28	242	612.38	850.36	0.00	0.00	0.00	242	612.38	850.36
195	D28	G28	160	112.65	744.99	0.00	0.00	0.00	160	112.65	744.99
196	D28	F28	8	102.73	652.14	0.00	0.00	0.00	8	102.73	652.14
197	D28	G28	20	110.00	740.41	0.00	0.00	0.00	20	110.00	740.41
198	D28	A28	6	153.52	704.14	0.00	0.00	0.00	6	153.52	704.14
199	D28	B28	153	354.61	1101.91	0.00	0.00	0.00	153	354.61	1101.91
200	D28	B28	153	246.14	1102.29	0.00	0.00	0.00	153	246.14	1102.29
201	D28	C28	208	1401.71	1078.16	0.00	0.00	0.00	208	1401.71	1078.16

204	D28	C28	45	1263.44	1077.09	0.00	0.00	0.00	45	1263.44	1077.09
205	D28	E28	12	1281.33	1228.05	0.00	0.00	0.00	12	1281.33	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	1264.51	1231.32	0.00	0.00	0.00	2	1264.51	1231.32
210	A28	G28	257	315.96	1200.07	0.00	0.00	0.00	257	315.96	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	292.53	841.86	0.00	0.00	0.00	13	292.53	841.86
213	A28	E28	175	292.94	856.77	0.00	0.00	0.00	175	292.94	856.77
214	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
215	G28	F28	6	436.65	1179.78	0.00	0.00	0.00	6	436.65	1179.78
218	A28	G28	135	330.37	1204.28	0.00	0.00	0.00	135	330.37	1204.28
219	A28	F28	8	322.10	1111.43	0.00	0.00	0.00	8	322.10	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	609.24	853.35	0.00	0.00	0.00	53	609.24	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	329.37	1199.70	0.00	0.00	0.00	10	329.37	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	194.53	875.67	0.00	0.00	0.00	41	194.53	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	1430.54	1099.55	0.00	0.00	0.00	44	1430.54	1099.55
239	D28	B28	43	1322.32	1099.93	0.00	0.00	0.00	43	1322.32	1099.93
240	G28	C28	50	121.43	770.21	0.00	0.00	0.00	50	121.43	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	788.53	909.27	0.00	0.00	0.00	11	788.53	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	919.09	1066.29	0.00	0.00	0.00	47	919.09	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	1403.47	1078.57	0.00	0.00	0.00	31	1403.47	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	3	375.36	731.74	0.00	0.00	0.00	3	375.36	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	365.42	1163.20	0.00	0.00	0.00	2	365.42	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	251.45	838.81	0.00	0.00	0.00	10	251.45	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	905 <	2050	28	0.00	91	-1	32.64	27.05	77.06	13.78 +	100	100	0.00	118.94
	2	(untitled)	6	771-2	E	415	2050	28	0.00	42	115	14.19	8.42	32.03	2.60	100	100	0.00	18.05
	3	(untitled)	6	771-2	E	761 <	2050	28	6.72	100	-10	103.00	97.10	1582.7	24.88 +	100	100	0.00	330.26
	4	(untitled)	6	771-2	E	474	2050	28	9.00	48	88	21.56	15.54	82.65	7.71	100	100	0.00	41.63
Ac	**1**	(untitled)	6	771-2	D	812 <	2263	22	1.00	94	-4	54.61	47.43	134.51	19.55 +	100	100	0.00	186.93
	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	412 <	2263	22	12.08	100	-10	190.54	183.94	240.90	23.59 +	100	100	0.00	330.81
Acf	**1**	(untitled)	6			1118	2263	60	12.00	49	82	5.99	0.78	1.29	2.56	100	100	0.00	3.88
	2	(untitled)	6			412 <	2263	60	49.08	100	-10	169.41	162.17	221.64	21.51 +	100	100	0.00	279.14
Af	**1**	(untitled)	6			1320	2050	60	6.00	64	40	8.01	1.58	0.00	0.58	100	100	0.00	8.24
	2	(untitled)	6			761 <	2050	60	36.81	71	26	26.19	19.80	77.38	9.54 +	100	100	0.00	66.85
	3	(untitled)	6			474	2050	60	15.00	23	289	6.63	0.26	0.00	0.03	100	100	0.00	0.49
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	316	2100	10	0.19	84	8	49.84	42.36	110.97	6.02	100	100	0.00	64.11
	4	(untitled)	1	769-1	B	242	2050	10	0.00	64	40	42.64	30.35	95.82	3.89	100	100	0.00	31.89
Bc	**1**	(untitled)	1	769-1	A	793	2050	38	4.00	60	51	20.16	8.20	46.93	6.93	100	100	0.00	33.95
	2	(untitled)	1	769-1	A	1052 <	2050	38	8.21	100	-10	104.58	92.75	227.89	36.94 +	100	100	0.00	438.36

	3	(untitled)	1	769-1	A	523	2050	38	15.22	51	75	16.38	4.68	39.07	11.87	100	100	0.00	14.20
Bcf	**1**	(untitled)	1			1717	2263	60	9.00	76	19	6.83	2.48	0.00	1.18	100	100	0.00	16.81
	2	(untitled)	1			793	2263	60	11.00	35	157	5.83	0.43	0.00	0.09	100	100	0.00	1.34
	3	(untitled)	1			1052 <	2263	60	32.10	100	-10	75.20	69.33	134.57	25.24 +	100	100	0.00	321.94
	4	(untitled)	1			523	2263	60	22.00	23	289	6.58	0.24	0.00	0.03	100	100	0.00	0.49
Bf	**1**	(untitled)	1			688 <	1800	60	35.21	93	-3	167.63	140.29	355.08	43.81 +	100	100	0.00	411.45
	2	(untitled)	1			558	1800	60	0.00	31	190	27.86	0.45	0.00	0.07	100	100	0.00	0.99
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	438	2200	13	0.00	85	5	55.67	40.99	119.03	8.86	100	100	0.00	77.36
	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			582	1965	60	0.00	30	204	17.89	0.39	0.00	0.06	100	100	0.00	0.88
D	**1**	(untitled)	3	770-1	B	303	2050	12	0.00	68	32	34.26	30.14	95.39	4.84	100	100	0.00	45.30
	2	(untitled)	3	770-1	B	394 <	1850	12	0.00	98	-8	99.62	95.49	176.06	13.53 +	100	100	0.00	170.67
	3	(untitled)	3	770-1	B	398 <	2250	12	1.36	91	-1	61.37	57.41	135.27	9.47 +	100	100	0.00	107.40
Dc	**1**	(untitled)	3	770-1	A	809	2100	38	1.26	60	51	11.52	7.72	51.74	7.02	100	100	0.00	38.07
	2	(untitled)	3	770-1	A	745	2100	38	2.00	55	65	9.15	5.50	41.80	5.40	100	100	0.00	26.16
	3	(untitled)	3	770-1	A	295	2100	38	24.00	22	316	7.37	3.86	47.57	2.57	100	100	0.00	9.00
	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			1056	2050	60	12.00	52	75	5.88	0.93	0.00	0.27	100	100	0.00	3.88
	2	(untitled)	3			1402	2100	60	11.84	69	31	6.92	1.97	4.68	3.08	100	100	0.00	13.02
	3	(untitled)	3			745	2100	60	17.00	35	154	5.87	0.47	0.00	0.10	100	100	0.00	1.39
	4	(untitled)	3			295	2100	60	36.00	14	541	6.64	0.14	0.00	0.01	100	100	0.00	0.16
	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			697	1900	60	0.00	37	145	24.55	0.55	0.00	0.11	100	100	0.00	1.51
	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	1056	2050	41	1.00	74	22	7.76	4.27	13.51	2.49	100	100	0.00	22.34
	2	(untitled)	3-2	770-2	D	593	2050	41	5.00	41	118	4.60	0.95	2.09	0.21	100	100	0.00	2.62
Ec	**1**	(untitled)	4	770-3	F	563	2150	35	2.00	44	106	11.11	7.35	48.97	5.37	100	100	0.00	25.19
	2	(untitled)	4	770-3	F	619	2263	35	16.00	46	97	13.31	9.68	67.07	6.80	100	100	0.00	36.96

	3	(untitled)	4	770-3	F	499	2263	35	21.00	37	145	7.92	4.41	40.03	4.85	100	100	0.00	15.09
	4	(untitled)	4	770-3	F	323	2250	35	27.00	24	276	17.24	13.80	101.11	5.31	100	100	0.00	28.05
Ecf	**1**	(untitled)	4			914	2100	60	11.16	45	99	4.81	1.36	8.68	5.12	100	100	0.00	7.46
	2	(untitled)	4			943	2100	60	10.00	45	100	4.18	0.70	0.00	0.18	100	100	0.00	2.60
	3	(untitled)	4			619	2263	60	34.54	31	193	4.53	1.01	11.43	2.42	100	100	0.00	4.75
	4	(untitled)	4			854	2300	60	34.00	37	142	4.43	0.46	0.00	0.11	100	100	0.00	1.56
Ef	**1**	(untitled)	4			877 <	1900	60	33.75	105	-15	150.39	135.08	229.54	43.24 +	100	100	0.00	491.21
	2	(untitled)	4			630 <	1900	60	45.01	133	-32	480.81	465.51	355.75	86.91 +	100	100	0.00	1177.96
Exp	**1**	(untitled)	4-2	770-4	L	914	2050	40	2.00	65	38	8.65	4.76	23.56	5.78	100	100	0.00	24.06
	2	(untitled)	4-2	770-4	L	380	2050	40	8.00	27	232	4.51	0.48	0.00	0.05	100	100	0.00	0.72
F	**1**	(untitled)	5	771-1	B	188	2100	10	0.00	49	84	32.80	26.42	92.12	2.90	100	100	0.00	25.15
	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	323 <	2100	10	1.77	100	-10	232.69	226.14	300.86	22.42 +	100	100	0.00	319.23
Fc	**1**	(untitled)	5	771-1	A	719	2263	40	18.00	46	94	20.55	1.46	11.55	1.88	100	100	0.00	5.52
	2	(untitled)	5	771-1	A	585	2263	40	23.20	39	131	20.38	1.46	19.32	3.48	100	100	0.00	5.24
	3	(untitled)	5	771-1	A	860	2263	40	17.68	94	-4	61.97	42.34	167.44	20.33	100	100	0.00	165.75
Ff	**1**	(untitled)	5			500	1900	60	0.00	26	242	33.43	0.34	0.00	0.05	100	100	0.00	0.67
	2	(untitled)	5			389 <	1900	60	49.80	120	-25	584.94	551.89	570.96	66.02 +	100	100	0.00	869.93
G	**1**	(untitled)	2	769-2	F	294 <	2050	13	5.39	100	-10	380.83	364.85	427.94	33.46 +	100	100	0.00	444.95
	2	(untitled)	2	769-2	F	212	2050	13	7.44	46	96	51.52	40.13	111.81	3.74	100	100	0.00	41.21
Gf	**1**	(untitled)	4			290 <	2050	60	51.51	100	-10	148.57	145.53	230.10	14.84 +	100	100	0.00	187.97
	2	(untitled)	4			184	2050	60	49.00	9	901	3.09	0.09	0.15	2.32	100	100	0.00	0.07
xA	**1**	(untitled)	10			817	2263	60	26.06	37	141	17.93	0.71	8.36	2.43	100	100	0.00	4.48
	2	(untitled)	10			640	2263	60	32.00	28	218	17.56	0.31	0.00	0.06	100	100	0.00	0.79
xB	**1**	(untitled)				1717	Unrestricted	60	0.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	**1**	(untitled)				700 <	1900	60	37.91	100	-10	130.63	121.96	138.64	30.48 +	100	100	0.00	367.72
	2	(untitled)				601	1900	60	39.53	77	16	22.29	13.60	66.41	6.04	100	100	0.00	45.01
xD	**1**	(untitled)				1056	Unrestricted	60	11.00	0	Unrestricted	9.13	0.00	0.00	0.00	100	100	0.00	0.00

	2	(untitled)				593	Unrestricted	60	17.00	0	Unrestricted	9.21	0.00	0.00	0.00	100	100	0.00	0.00
xE	1	(untitled)				914	Unrestricted	60	13.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				380	Unrestricted	60	21.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	1	(untitled)				671	Unrestricted	60	1.00	0	Unrestricted	12.19	0.00	0.00	0.00	100	100	0.00	0.00
Cc1	1	(untitled)	2	769-2	E	794	2050	32	6.12	75	20	21.92	15.38	78.58	13.93	100	100	0.00	72.75
E1	1	(untitled)	4	770-3	G	294	2050	14	6.00	57	57	42.11	36.11	107.42	5.27	100	100	0.00	51.99
	2	(untitled)	4	770-3	G	537 <	2200	14	0.00	98	-8	130.13	124.13	224.26	22.32 +	100	100	0.00	301.85
Gf1	1	(untitled)	4			32	696	60	56.08	6	1513	9.10	5.40	79.17	0.52	100	100	0.00	1.50
Cc2	2	(untitled)	2	769-2	D	969	2150	33	0.93	82	10	24.49	17.71	77.25	12.43	100	100	0.00	93.73
	3	(untitled)	2	769-2	D	542	2050	33	6.19	47	92	17.94	10.77	75.81	9.10	100	100	0.00	35.35
	4	(untitled)	2	769-2	D	1068 <	2150	33	0.03	88	3	28.28	21.71	90.78	16.75 +	100	100	0.00	125.36
	5	(untitled)	2	769-2	D	242	2050	33	26.00	21	332	21.14	13.17	105.80	4.21	100	100	0.00	18.28
E2	3	(untitled)	4	770-3	H	290 <	2150	14	6.90	100	-10	178.39	174.39	213.90	15.00 +	100	100	0.00	219.47
	4	(untitled)	4	770-3	H	185	2050	14	4.00	36	150	32.81	28.74	68.33	2.42	100	100	0.00	24.97
TC5	2	(untitled)	TC771-6	TC777-1	A	779	2263	38	13.00	52	74	6.57	3.81	22.65	2.94	100	100	0.00	13.92
	3	(untitled)	TC771-6	TC777-1	A	640	2263	38	16.00	42	112	3.97	1.21	4.58	0.49	100	100	0.00	3.41
	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	755 <	1966	39	18.95	100	-10	119.51	108.46	270.16	29.19 +	100	100	0.00	348.69
	3	(untitled)	TC771-6	TC777-1	B	375	1947	39	9.00	28	227	16.45	5.32	38.66	2.42	100	100	0.00	9.69
TC35	1	(untitled)	TC771-6	TC777-1	A	38	1900	38	29.00	3	2881	5.33	2.43	21.99	0.14	100	100	0.00	0.47
TC36	1	(untitled)	TC771-6			236	1800	60	0.00	13	586	3.18	0.15	0.00	0.01	100	100	0.00	0.14
TC37	1	(untitled)	TC771-6	TC777-2	J	43	1850	45	45.00	3	2869	4.98	1.79	23.40	0.17	100	100	0.00	0.65
TC38	1	(untitled)	TC771-6			43	450	60	38.00	10	841	3.28	1.75	29.94	2.42	100	100	0.00	0.74
TC39	2	(untitled)	TC771-6			779	2263	60	33.00	34	161	2.95	0.42	0.00	0.09	100	100	0.00	1.28
	3	(untitled)	TC771-6			640	2263	60	36.00	28	218	2.71	0.31	0.00	0.06	100	100	0.00	0.79

TC40	2	(untitled)	TC771-6			822	Unrestricted	60	20.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC771-6			640	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	193	1850	11	0.00	52	73	30.64	26.71	91.55	2.98	100	100	0.00	26.49
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			1090	1965	60	0.00	55	62	7.75	1.14	0.00	0.34	100	100	0.00	4.90
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			1335<	1900	60	24.30	118	-24	292.24	289.09	310.68	123.50+	100	100	0.00	1566.36
50	1	(untitled)	1			1344<	1900	60	20.64	108	-17	159.29	153.51	247.16	74.81+	100	100	0.00	852.46
51	1	(untitled)	4-2			889	1900	60	0.00	47	92	5.33	0.83	0.00	0.21	100	100	0.00	2.92

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	6267.57	1005.13	6.24	842.87	11968.74	1106.99	0.00	13075.73
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	6267.57	1005.13	6.24	842.87	11968.74	1106.99	0.00	13075.73

- *< = 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***