

TRANSYT 16	
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Filename: M62 JN 28 CRF Scheme_Mar 20_PF_Sept 20_RevC_mitigation
 DS_optA+D_2019_01.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Option A+D
Report generation date: 12/01/2021 08:55:05

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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 2019 - AM 2019						
Network	A15 D15	120	10102.74	759.54	159% (TS 50/1)	11 (7%)

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

Enabl e contro ller offset s	Enable fuel consumption	Ena ble quic k flare s	Displ ay jour ney time results	Displa y OD matrix distances	Displ ay level of service results	Displa y blocki ng and starva tion results	Displ ay end of red and green que ue results	Displ ay exce ss que ue results	Displ ay separ ate unifor m and rando m results	Display unweig hted results	Displa y TRAN SYT 12 style timing s	Displ ay effect ive green s in result s	Displ ay Red- With- Amb er	Displ ay End- Of- Green Amb er	Display control ler phase minimu ms

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

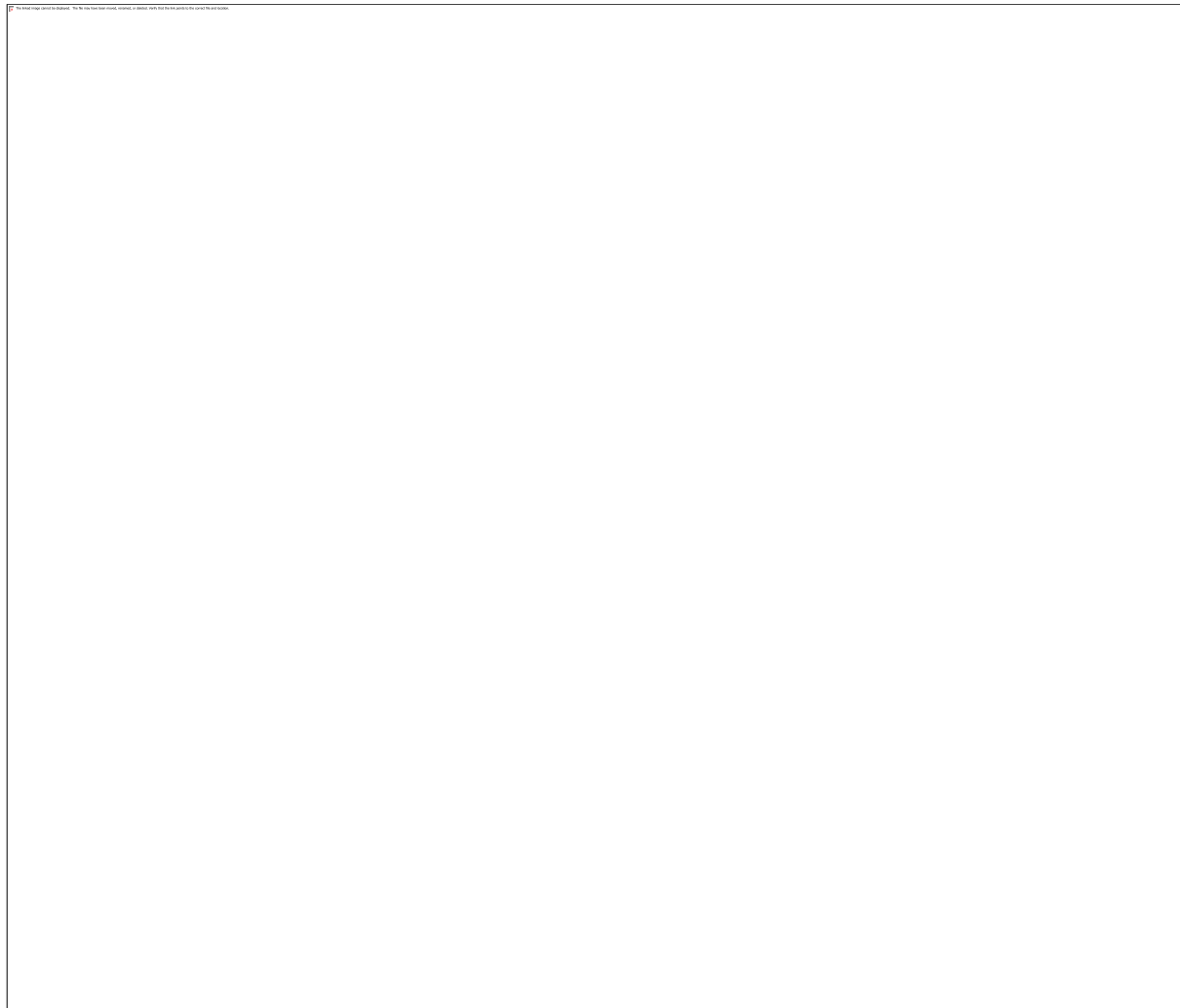
Sorting

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



A15 - AM Base 2019 D15 - AM 2019,

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: Auto Calculate option is switched off - OD flows will not be allocated automatically to the network.
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)	Modeling 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 over all PRC	Network within capacity
15	12/01/2021 08:54:17	12/01/2021 08:54:27	10.68	07:30	120	10102.74	759.54	158.78	50/1	11	7	TC42/1	50/1	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 2019			✓	D15		✓	

Demand Set Details

Scenario name	Time Period name	Description	Composite	Demand sets	Start time (HH:mm)	Locked	Run automatically
AM 2019					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		✓	769-1, 769-2, 770-1, 770-2, 770-3, 770-4, 771-1, 771-2, 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-calculated 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	✓	74.35	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.69	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.40	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.11	✓	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)		✓	62.77	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	62.62	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.46	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.38	✓	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	✓	122.73	✓	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	
	4	(untitled)	Leeds/M62/Wake	✓	55.42	✓	Directly entered	2250		2250	✓		Normal	
Dc	1	(untitled)	Brad	✓	50.91	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.96	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	47.02	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	45.07	✓	Directly entered	2100		2100	✓		Normal	
Dcf	1	(untitled)		✓	65.43	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	65.28	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	65.54	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	67.69	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	66.13	✓	Directly entered	2100		2100			Normal	
	6	(untitled)		✓	66.17	✓	Directly entered	2050		2050			Normal	
Df	1	(untitled)			200.00	✓	Sum of lanes	1900					Normal	
	2	(untitled)			200.00	✓	Directly entered	2250					Normal	
Dxp	1	(untitled)		✓	45.75	✓	Directly entered	2050			✓		Normal	
	2	(untitled)		✓	48.11	✓	Directly entered	2050			✓		Normal	
Ec	1	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal	
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)	M62E	✓	45.11	✓	Directly entered	2250		2250	✓		Normal	
Ecf	1	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal	
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	46.95	✓	Directly entered	2263		2263			Normal	
	4	(untitled)		✓	47.51	✓	Directly entered	2300		2300			Normal	
	5	(untitled)		✓	48.55	✓	Directly entered	2300		2300			Normal	
Ef	1	(untitled)		✓	127.54	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal	
Exp	1	(untitled)		✓	51.83	✓	Directly entered	2050		2100	✓		Normal	
	2	(untitled)		✓	53.71	✓	Directly entered	2050		2100	✓		Normal	

F	1	(untitled)	Leeds	✓	85.13	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.25	✓	Directly entered	2100		2100	✓		Normal	
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)		✓	77.45								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)		✓	121.44								Normal	
	2	(untitled)		✓	122.12								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)		✓	47.81							✓	Normal	
Cc2	2	(untitled)	Dews	✓	91.52	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	91.11	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	90.39	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	90.48	✓	Directly entered	2050		2050	✓		Normal	
	6	(untitled)	Leeds	✓	88.08	✓	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)		✓	92.21	✓	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	

[illegible]

[illegible]

[illegible]

[illegible]

TC3 6	1	1	(untitled)												1800
TC3 7	1	1	(untitled)												
TC3 8	1	1	(untitled)												
TC3 9	2	1	(untitled)												
	3	1	(untitled)												
TC4 0	2	1	(untitled)												
	3	1	(untitled)												
TC4 1	1	1	(untitled)												
TC4 2	1	1	(untitled)		✓	N/A	Average	0	3.00	✓	0	9.44	✓		1771
TC4 3	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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Ac	1	CTM	500	100	100		0.00	✓	16.50	9999.00				
	2	CTM	50	100	100		0.00	✓	16.50	9999.00				
	3	CTM	500	100	100		0.00	✓	16.50	9999.00				
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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Bc	1	CTM	500	100	100		0.00	✓	22.50	9999.00				

	2	CTM	500	100	100		0.00	✓	22.50	9999.00				
	3	CTM	500	100	100		0.00	✓	22.50	9999.00				
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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
Cf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
D	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Dc	1	CTM	500	100	100		0.00	✓	8.00	9999.00				
	2	CTM	500	100	100		0.00	✓	8.00	9999.00				
	3	CTM	500	100	100		0.00	✓	8.00	9999.00				
	4	CTM	500	100	100		0.00	✓	8.00	9999.00				
Dcf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
	6	CTM	100	100	100		0.00							
Df	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
Dx P	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
Ec	1	CTM	500	100	100		0.00	✓	8.00	9999.00				
	2	CTM	500	100	100		0.00	✓	8.00	9999.00				
	3	CTM	500	100	100		0.00	✓	8.00	9999.00				
	4	CTM	500	100	100		0.00	✓	8.00	9999.00				
Ecf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
Ef	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
Exp	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							

F	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
Fc	1	CTM	500	100	100		0.00	✓	32.0 0	9999. 00				
	2	CTM	500	100	100		0.00	✓	32.0 0	9999. 00				
	3	CTM	500	100	100		0.00	✓	32.0 0	9999. 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	500	100	100		0.00	✓	26.0 0	9999. 00				
	2	CTM	500	100	100		0.00	✓	26.0 0	9999. 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	NetworkDe fault	100	100	100		0.00							
xC	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xD	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
xE	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
xF	1	NetworkDe fault	100	100	100		0.00							
Cc1	1	CTM	100	100	100		0.00							
E1	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
Gf1	1	NetworkDe fault	100	100	100		0.00							
Cc2	2	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	3	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	4	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	5	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	6	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
E2	3	CTM	0	20	100		0.00							
	4	CTM	0	20	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	NetworkDe fault	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	NetworkDe fault	100	100	100		0.00							
TC 43	1	NetworkDe fault	100	100	100		0.00							
47	1	CTM	100	100	100		0.00							
48	1	NetworkDe fault	100	100	100		0.00							
49	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
50	1	NetworkDe fault	100	100	100		0.00							
51	1	NetworkDe fault	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	232	232
	2	218	218
	3	345	345
	4	227	227
Ac	1	651	651
	2	668	668
	3	112	112
Acf	1	1319	1319
	2	112	112
Af	1	450	450
	2	345	345
	3	227	227
B	1	324	324
	2	434	434
	3	427	427
	4	434	434
Bc	1	460	460

	2	436	436
	3	248	248
Bcf	1	883	883
	2	886	886
	3	436	436
	4	248	248
Bf	1	758	758
	2	861	861
C	1	73	73
	2	788	788
	3	509	509
Cf	1	759	759
	2	611	611
D	1	365	365
	2	388	388
	3	455	455
	4	505	505
Dc	1	791	791
	2	791	791
	3	698	698
	4	698	698
Dcf	1	480	480
	2	307	307
	3	791	791
	4	791	791
	5	698	698
	6	698	698
Df	1	753	753
	2	960	960
Dxp	1	480	480
	2	307	307
Ec	1	580	580
	2	1086	1086
	3	1119	1119
	4	511	511
Ecf	1	950	950
	2	997	997
	3	1086	1086
	4	1119	1119
	5	539	539
Ef	1	805	805
	2	449	449
Exp	1	950	950
	2	417	417
F	1	261	261
	2	339	339
	3	38	38
Fc	1	1245	1245
	2	1249	1249
	3	977	977
Ff	1	600	600
	2	38	38
G	1	234	234
	2	243	243
Gf	1	234	234

	2	215	215
xA	1	1414	1414
	2	1264	1264
xB	1	1309	1309
xC	1	450	450
	2	395	395
xD	1	480	480
	2	307	307
xE	1	950	950
	2	417	417
xF	1	630	630
Cc1	1	368	368
E1	1	339	339
	2	466	466
Gf1	1	28	28
Cc2	2	416	416
	3	572	572
	4	298	298
	5	675	675
	6	434	434
E2	3	234	234
	4	215	215
TC5	2	1209	1209
	3	1264	1264
	4	0	0
TC9	1	432	432
	2	345	345
	3	217	217
TC35	1	205	205
TC36	1	41	41
TC37	1	13	13
TC38	1	13	13
TC39	2	1209	1209
	3	1264	1264
TC40	2	1222	1222
	3	1264	1264
TC41	1	28	28
TC42	1	0	0
TC43	1	0	0
47	1	845	845
48	1	1370	1370
49	1	497	497
	2	497	497
50	1	1619	1619
51	1	638	638

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	
	4	770-1	B	
Dc	1	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
Dxp	1	770-2	D	
	2	770-2	D	
Ec	1	770-3	F	
	2	770-3	F	
	3	770-3	F	
	4	770-3	F	
Exp	1	770-4	L	
	2	770-4	L	
F	1	771-1	B	
	2	771-1	B	
	3	771-1	B	
Fc	1	771-1	A	
	2	771-1	A	
	3	771-1	A	
G	1	769-2	F	
	2	769-2	F	
Cc1	1	769-2	E	
E1	1	770-3	G	
	2	770-3	G	
Cc2	2	769-2	D	
	3	769-2	D	
	4	769-2	D	
	5	769-2	D	
	6	769-2	D	
E2	3	770-3	H	
	4	770-3	H	
TC5	2	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	1	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	1	TC777-1	A	
TC37	1	TC777-2	J	
TC41	1	TC777-1	D	
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	5.58	48.00	✓	Straight	Straight Movement
	2	1	Af/1	A/2	5.75	48.00	✓	Straight	Straight Movement
	3	1	Af/2	A/3	5.88	48.00	✓	Straight	Straight Movement
	4	1	Af/3	A/4	6.01	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	4.71	48.00	✓	Nearside	68.09
	2	1	A/2	Bcf/2	6.63	34.00	✓	Nearside	71.40
	3	1	A/3	Bcf/3	6.61	34.00	✓	Nearside	74.72
	4	1	A/4	Bcf/4	6.60	34.00	✓	Nearside	78.03
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	14.73	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
	4	1	Df/2	D/4	4.16	48.00	✓	Straight	Straight Movement
Dc	1	1	Dcf/3	Dc/1	6.11	30.00	✓	Offside	56.19
	2	1	Dcf/4	Dc/2	5.88	30.00	✓	Offside	52.87
	3	1	Dcf/5	Dc/3	5.64	30.00	✓	Offside	49.56
	4	1	Dcf/6	Dc/4	5.41	30.00	✓	Offside	46.25
Dcf	1	1	Cc2/2	Dcf/1	4.91	48.00	✓	Straight	Straight Movement
	2	1	Cc2/4	Dcf/2	4.90	48.00	✓	Straight	Straight Movement
	3	1	C/2	Dcf/3	4.92	48.00	✓	Nearside	58.12
	4	1	C/2	Dcf/4	5.08	48.00	✓	Nearside	58.12
	5	1	C/3	Dcf/5	4.96	48.00	✓	Nearside	61.43
	6	1	C/3	Dcf/6	7.94	30.00	✓	Nearside	61.43
Dxp	1	1	Dcf/1	Dxp/1	3.43	48.00	✓	Nearside	60.22
	2	1	Dcf/2	Dxp/2	3.61	48.00	✓	Nearside	63.54
Ec	1	1	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42
	2	1	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	1	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	1	Ecf/5	Ec/4	5.41	30.00	✓	Offside	66.48
Ecf	1	1	Dc/1	Ecf/1	3.45	48.00	✓	Offside	76.11
	2	1	Dc/2	Ecf/2	3.48	48.00	✓	Offside	72.80
	3	1	Dc/3	Ecf/3	3.52	48.00	✓	Offside	69.49
	4	1	Dc/4	Ecf/4	3.56	48.00	✓	Offside	66.17
	5	1	Dc/4	Ecf/5	3.64	48.00	✓	Offside	62.86
Exp	1	1	Ecf/1	Exp/1	3.89	48.00	✓	Nearside	52.96
	2	1	Ecf/2	Exp/2	4.03	48.00	✓	Nearside	56.27
F	1	1	Ff/1	F/1	6.38	48.00	✓	Straight	Straight Movement
	2	1	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement
	3	1	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	1	1	Ec/2	Fc/1	18.84	35.00	✓	Straight	Straight Movement
	2	1	Ec/3	Fc/2	18.66	35.00	✓	Straight	Straight Movement
	3	1	Ec/4	Fc/3	18.54	35.00	✓	Straight	Straight Movement
Ff	1	1	51/1	Ff/1	33.09	30.00	✓	Straight	Straight Movement
	2	1	51/1	Ff/2	33.05	30.00	✓	Straight	Straight Movement
G	1	1	Gf/1	G/1	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	5.81	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	9.11	48.00	✓	Nearside	44.59
	2	1	Dxp/2	xD/2	9.16	48.00	✓	Nearside	47.90
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/5	Gf1/1	5.74	30.00	✓	Offside	21.77
Cc2	2	1	B/1	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	3	1	B/3	Cc2/3	8.20	40.00	✓	Straight	Straight Movement
	4	1	B/2	Cc2/4	8.14	40.00	✓	Straight	Straight Movement
	5	1	Bc/3	Cc2/5	6.03	54.00	✓	Offside	96.53
	6	1	Bc/3	Cc2/6	5.87	54.00	✓	Offside	93.22
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	11.07	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	3.95	57.00	✓	Offside	89.74
	3	2	Ac/3	Bcf/3	3.95	57.00	✓	Offside	86.42
	4	2	Ac/3	Bcf/4	3.94	57.00	✓	Offside	86.42
C	2	2	Cf/1	C/2	14.73	30.00	✓	Offside	56.58
Dcf	1	2	C/1	Dcf/1	4.91	48.00	✓	Nearside	54.80
	2	2	C/1	Dcf/2	4.90	48.00	✓	Nearside	54.80
	3	2	Cc2/3	Dcf/3	7.87	30.00	✓	Straight	Straight Movement
	4	2	Cc2/3	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
	5	2	Cc2/5	Dcf/5	7.94	30.00	✓	Offside	99.16
	6	2	Cc2/6	Dcf/6	7.94	30.00	✓	Offside	95.85
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	5.63	30.00	✓	Nearside	46.68
	4	2	D/3	Ecf/4	5.70	30.00	✓	Nearside	49.99
	5	2	D/4	Ecf/5	5.83	30.00	✓	Nearside	53.30
Fc	1	2	E1/1	Fc/1	20.61	32.00	✓	Nearside	58.94
	2	2	E1/1	Fc/2	20.41	32.00	✓	Nearside	60.85
	3	2	E1/2	Fc/3	20.28	32.00	✓	Nearside	64.16
G	1	2	Gf1/1	G/1	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
xB	1	2	Bcf/2	xB/1	9.29	30.00	✓	Nearside	60.96
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/1	Cc2/2	10.98	30.00	✓	Straight	Straight Movement
	3	2	Bc/2	Cc2/3	10.93	30.00	✓	Offside	99.84
	4	2	Bc/2	Cc2/4	6.03	54.00	✓	Straight	Straight Movement
	5	2	B/4	Cc2/5	8.14	40.00	✓	Straight	Straight Movement
	6	2	B/4	Cc2/6	7.93	40.00	✓	Straight	Straight Movement
TC9	2	2	49/1	TC9/2	11.07	30.00	✓	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
Dcf	4	3	Cc2/5	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
xA	2	3	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
Cc2	3	3	B/2	Cc2/3	10.93	30.00	✓	Straight	Straight Movement
	5	3	B/3	Cc2/5	10.86	30.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

Traffic Stream	Description	Controlling type	Controlling traffic stream	Percentage opposing (%)	Slope coefficient	Upstream signals visible
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	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)	✓	User Equilibrium			✓								

Note: Auto Calculate disabled on this Local Matrix - Paths and Flow Allocation might not be up to date.

Normal Input Flows (PCU/hr)

	To								
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	0	46	278	2	432	64	797	0
	B28	34	0	73	252	536	23	452	0
	C28	477	28	0	206	159	21	822	0
	D28	3	201	135	0	38	42	219	0
	E28	469	449	74	50	0	29	183	0
	F28	8	7	3	6	4	0	13	0
	G28	318	114	224	114	198	26	0	0
	H28	0	0	0	0	0	0	0	0

Bus Input Flows not shown as they are blank.

Tram Input Flows not shown as they are blank.

Pedestrian Input Flows not shown as they are blank.

Locations

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

Normal Paths and Flows

OD Matrix	Path	Description	From location	To location	Path items	Allocation type	Normal Calculated Flow (PCU/hr)
1	32	I1	C28	E28	Df/1, D/1, Ec/1, Exp/1, xE/1	Normal	159
	36		C28	E28	Df/1, D/1, Ec/2, Exp/2, xE/2	Disabled	0
	41		E28	A28	Ef/1, E1/2, Fc/3, Ac/1, Ac/1, Bcf/1, xB/1	Normal	392
	49	I1	C28	D28	Df/1, D/1, Ec/2, Ec/1, xF/1	Normal	206
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	50
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	129
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	29
	100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Normal	215
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	278
	103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
	105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	0
	107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	46
	110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	54
	112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	13
	113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	9
	125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	159
	137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	0
	138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	0
	140		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ec/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	222

14	1		B28	F28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	23
14	2		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
14	3		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
14	4		B28	G28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	230
14	5		B28	H28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
14	6		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
14	7		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
14	8		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
14	9		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	34
15	0		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	234
15	1		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
15	2		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
15	3		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	7
15	4		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	77
15	5		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
15	6		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
15	7		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
15	8		A28	G28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	434
15	9		A28	H28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
16	0		B28	D28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	252
16	1		B28	E28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	299
16	2		B28	D28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
16	3		B28	E28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
16	4		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
16	5		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
16	6		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	64
16	7		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
16	8		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal	232
16	9		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	8
17	0		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	106
17	1		G28	H28	49/1, TC9/1, TC43/1	Normal	0
17	2		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
17	3		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	6

174		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
175		A28	D28	50/1, Bf/2, B/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
176		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
177		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
178		B28	E28	48/1, Cf/1, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	135
179		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	102
180		A28	H28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
181		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	3
182		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
183		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
184		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
185		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	0
186		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
187		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
188		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
189		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
190		G28	D28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
191		D28	F28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
192		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
193		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
194		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	144
196		D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	42
197		D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	75
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	201
200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
201		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
202		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
203		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
205		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
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

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	74
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
252		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
283		E28	B28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
284		E28	B28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
285		E28	B28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
286		E28	B28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
307		G28	C28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	65
317		C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	455
318		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
319		C28	B28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
320		C28	B28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
322		C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	367
323		C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	21
324		C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
325		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
330		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	145
331		C28	B28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
332		C28	B28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
334		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
342		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
343		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	28
364		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
379		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
380		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
381		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
382		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
383		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
384		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
385		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
386		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
387		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0

388		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
389		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
390		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
391		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
392		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
393		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
394		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
395		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
396		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
397		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
398		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
399		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
400		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
401		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	26
402		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
403		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
404		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
405		A28	F28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
406		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
407		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
408		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
409		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
410		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
411		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
412		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
413		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
414		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
415		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
417		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
418		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
423		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
424		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
425		E28	C28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0

428		E28	C28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
431		D28	C28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	135
439		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	121
440		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
441		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
442		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
443		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
444		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
445		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
446		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
447		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	17
448		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
449		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
450		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
451		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	114
452		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	77
453		A28	D28	50/1, Bf/2, B/4, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
454		A28	E28	50/1, Bf/2, B/4, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
455		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
456		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
457		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
458		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	21
459		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
460		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	4
461		A28	E28	50/1, Bf/2, B/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
462		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	347
463		A28	F28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	64
464		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	16
465		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	432
466		A28	D28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	2
467		G28	A28	49/1, TC9/1, Af/1, A/2, Bcf/2, xB/1	Normal	86
468		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
469		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0

470		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
471		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
472		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
473		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	332
474		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
475		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
476		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
477		H28	A28	TC42/1, Af/1, A/2, Bcf/2, xB/1	Normal	0
478		F28	A28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, xB/1	Normal	8

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 saturation 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 (%)	Journey Time (s)
07:30-08:30	A	1	(untitled)	E	232	2050	20	376	62	46	30.56	4.31	33.33	36.13
		2	(untitled)	E	218	2050	20	376	58	55	28.27	3.69	27.65	34.02
		3	(untitled)	E	345	2050	20	376	92	-2	61.30	9.11	66.83	67.18
		4	(untitled)	E	227	2050	20	376	60	49	26.13	3.53	25.33	32.13
	Ac	1	(untitled)	D	641	2263	80	1546	41	117	3.02	2.47	14.80	10.21
		2	(untitled)	D	668	2263	80	1490	45	101	5.93	5.33	33.17	15.43
		3	(untitled)	D	112	2263	80	1546	7	1143	0.30	0.02	0.15	6.90
	Acf	1	(untitled)		1309	2263	120	2263	58	56	1.09	0.40	3.28	6.31
		2	(untitled)		112	2263	120	2263	5	1718	0.04	0.00	0.01	7.28
	Af	1	(untitled)		450	2050	120	2050	22	310	0.25	0.03	0.33	6.67

		2	(untitled)		345	2050	120	2050	17	435	0.18	0.02	0.18	6.56
		3	(untitled)		227	2050	120	2050	11	713	0.11	0.01	0.07	6.47
	B	1	(untitled)	B	204	2050	14	273	75	21	50.1 1	4.45	27.00	57.21
		2	(untitled)	B	273	2150	14	273	100	-10	289. 13	24.0 3	142.1 6	296.41
		3	(untitled)	B	269	2100	14	273	98	-9	223. 82	18.9 2	109.1 2	231.30
		4	(untitled)	B	273	2050	14	273	100	-10	298. 62	25.1 9	141.4 0	310.91
	Bc	1	(untitled)	A	460	2050	82	1435	32	181	6.79	2.79	12.05	18.75
		2	(untitled)	A	436	2050	82	1435	30	196	0.63	0.20	0.86	12.46
		3	(untitled)	A	248	2050	82	1435	17	421	0.43	0.06	0.29	12.13
	Bcf	1	(untitled)		873	2263	120	2263	39	133	0.50	0.12	1.11	4.66
		2	(untitled)		886	2263	120	2263	39	130	0.51	0.13	1.16	5.12
		3	(untitled)		436	2263	120	2263	19	367	0.19	0.02	0.21	6.25
		4	(untitled)		248	2263	120	2263	11	721	0.10	0.01	0.06	6.48
	Bf	1	(untitled)		477	1800	120	497	96	-6	233. 02	42.0 7	106.1 9	260.35
		2	(untitled)		542	1800	120	565	96	-6	221. 89	45.9 9	115.7 6	249.30
	C	1	(untitled)	G	52	2100	30	560	9	864	17.6 7	1.45	6.90	32.20
		2	(untitled)	G	564	2200	30	587	96	-6	139. 76	27.3 8	128.2 6	154.49
		3	(untitled)	G	365	2050	30	547	67	35	33.9 6	6.76	31.27	48.88
	Cf	1	(untitled)		544	1965	120	544	100	-10	189. 53	35.8 2	142.4 2	206.88
		2	(untitled)		438	1965	120	1134	39	133	7.95	5.94	23.41	25.46
	D	1	(untitled)	B	365	2050	52	923	40	127	12.3 2	3.68	38.46	16.45
		2	(untitled)	B	388	1850	52	833	47	93	13.3 7	3.98	41.56	17.50
		3	(untitled)	B	455	2250	52	1013	45	100	12.8 3	4.95	53.88	16.80
		4	(untitled)	B	505	2250	52	1013	50	80	13.4 7	5.50	57.11	17.63
	Dc	1	(untitled)	A	563	2100	48	875	64	40	10.2 5	5.57	62.86	16.36
		2	(untitled)	A	635	2100	48	875	73	24	7.34	4.07	47.83	13.22
		3	(untitled)	A	475	2100	48	875	54	66	13.3 7	7.36	89.97	19.01
		4	(untitled)	A	462	2100	48	875	53	70	13.0 5	7.26	92.62	18.46
	Dcf	1	(untitled)		359	2050	120	2050	18	414	0.19	0.02	0.16	5.09
		2	(untitled)		304	2100	120	2100	14	521	0.15	0.01	0.11	5.04
		3	(untitled)		563	2100	120	2100	27	236	0.31	0.05	0.43	7.29
		4	(untitled)		635	2100	120	2100	30	198	0.37	0.07	0.56	6.60

		5	(untitled)		475	2100	120	2006	24	280	0.34	1.79	15.57	7.18
		6	(untitled)		462	2050	120	1974	23	284	0.36	1.49	12.91	8.30
	Df	1	(untitled)		753	1900	120	1900	40	127	0.62	0.13	0.37	24.62
		2	(untitled)		960	2250	120	2250	43	111	0.59	0.16	0.46	24.59
	Dxp	1	(untitled)	D	359	2050	102	1760	20	341	1.16	0.80	10.01	4.59
		2	(untitled)	D	304	2050	102	1760	17	420	0.37	1.75	20.93	3.98
	Ec	1	(untitled)	F	508	2150	72	1326	38	135	2.72	2.44	27.98	6.48
		2	(untitled)	F	863	2263	72	1396	62	46	6.62	6.11	72.55	10.25
		3	(untitled)	F	893	2263	72	1396	64	41	7.13	6.33	77.78	10.64
		4	(untitled)	F	501	2250	72	1388	36	149	14.06	5.69	72.54	19.48
	Ecf	1	(untitled)		722	2100	120	2016	36	151	0.59	2.44	30.57	4.04
		2	(untitled)		841	2100	120	2100	40	125	0.57	0.13	1.66	4.05
		3	(untitled)		863	2263	120	2149	40	124	1.15	4.37	53.56	5.62
		4	(untitled)		893	2300	120	2156	41	117	1.25	4.15	50.24	5.90
		5	(untitled)		529	2300	120	2300	23	291	0.23	0.03	0.41	5.96
	Ef	1	(untitled)		805	1900	120	1900	42	112	0.70	0.16	0.70	16.00
		2	(untitled)		449	1900	120	1900	24	281	0.29	0.04	0.16	15.60
	Exp	1	(untitled)	L	722	2050	100	1725	42	115	2.96	6.41	71.15	6.85
		2	(untitled)	L	333	2050	100	1725	19	366	1.54	2.88	30.80	5.57
	F	1	(untitled)	B	261	2100	24	455	57	57	26.30	3.93	26.58	32.69
		2	(untitled)	B	339	2100	24	455	75	21	33.17	5.91	39.67	39.60
		3	(untitled)	B	38	2100	24	455	8	978	19.16	0.50	3.29	25.70
	Fc	1	(untitled)	A	1021	2263	76	1471	69	30	5.11	5.20	16.30	24.23
		2	(untitled)	A	1024	2263	76	1460	70	28	5.04	9.20	29.15	23.92
		3	(untitled)	A	967	2263	76	1443	67	34	3.41	5.56	17.75	22.79
	Ff	1	(untitled)		600	1900	120	1900	32	185	0.44	0.07	0.15	33.52
		2	(untitled)		38	1900	120	1900	2	4400	0.02	0.00	0.00	33.07
	G	1	(untitled)	F	234	2050	28	495	47	90	45.04	4.11	15.23	61.02
		2	(untitled)	F	243	2050	28	495	49	83	38.85	4.88	18.48	50.24
	Gf	1	(untitled)		234	2050	120	2050	11	688	0.11	0.01	0.10	3.15
		2	(untitled)		215	2050	120	2050	10	758	0.10	0.01	0.09	3.11
	xA	1	(untitled)		1197	2263	120	2052	58	54	2.08	3.93	9.84	19.31

		2	(untitled)		1032	2263	120	2035	51	77	1.70	2.69	6.74	18.94
	xB	1	(untitled)		1299	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	6.95
	xC	1	(untitled)		450	1900	120	1360	33	172	4.60	7.05	35.05	13.27
		2	(untitled)		378	1900	120	1336	28	218	5.15	4.80	23.78	13.85
	xD	1	(untitled)		359	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.11
		2	(untitled)		304	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.16
	xE	1	(untitled)		722	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		333	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	xF	1	(untitled)		558	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
	Cc1	1	(untitled)	E	351	2050	64	1120	31	187	11.65	3.84	23.06	18.22
	E1	1	(untitled)	G	339	2050	26	478	71	27	30.10	5.65	40.61	36.10
		2	(untitled)	G	466	2200	26	513	91	-1	51.29	10.74	77.18	57.29
	Gf1	1	(untitled)		28	710	120	710	4	2181	0.56	0.07	0.82	6.30
	Cc2	2	(untitled)	D	313	2150	66	1216	26	250	4.78	1.82	11.41	14.23
		3	(untitled)	D	411	2050	66	1162	35	154	6.04	2.47	15.57	16.98
		4	(untitled)	D	298	2150	66	1212	25	266	11.19	5.54	35.26	17.22
		5	(untitled)	D	521	2050	66	1162	45	101	3.21	4.27	27.12	11.77
		6	(untitled)	D	273	2050	66	1162	24	282	0.48	0.04	0.24	8.40
	E2	3	(untitled)	H	234	2150	26	493	47	90	23.18	3.33	35.98	27.18
		4	(untitled)	H	215	2050	26	478	45	100	22.77	3.05	32.29	26.85
	TC5	2	(untitled)	A	1021	2263	99	1905	54	68	2.09	3.21	80.09	4.85
		3	(untitled)	A	1032	2263	99	1905	54	66	2.14	3.22	80.39	4.91
		4	(untitled)	C	0	1800	7	120	0	Unrestricted	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	432	1925	88	1460	30	204	5.04	4.02	25.22	16.04
		2	(untitled)	B	345	1966	88	1491	23	289	4.62	3.20	19.96	15.68
		3	(untitled)	B	217	1947	88	1476	15	512	4.16	1.88	11.67	15.28
	TC35	1	(untitled)	A	175	1900	99	1599	11	720	1.28	1.46	34.66	4.18
	TC36	1	(untitled)		41	1800	120	1800	2	3851	0.02	0.00	0.01	3.05
	TC37	1	(untitled)	J	13	1850	104	1619	1	11107	1.01	0.05	0.70	4.20
	TC38	1	(untitled)		13	350	120	350	4	2324	2.80	2.42	65.17	4.33
	TC39	2	(untitled)		1021	2263	120	2263	45	99	0.65	0.19	3.02	3.19
		3	(untitled)		1032	2263	120	2263	46	97	0.67	0.19	3.30	3.06

	TC4 0	2	(untitled)		1034	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		1032	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC4 1	1	(untitled)	D	28	1850	10	170	17	445	52.42	2.43	25.60	56.35
	TC4 2	1	(untitled)	E	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC4 3	1	(untitled)		0	1800	120	1800	0	Unrestricted	0.00	0.00	0.00	0.00
	47	1	(untitled)		828	1300	120	1300	64	41	2.42	0.56	2.39	18.45
	48	1	(untitled)		1370	1965	120	981	140	-36	524.34	211.69	2208.17	530.95
	49	1	(untitled)		497	1900	120	1900	26	244	0.34	0.05	1.01	3.48
		2	(untitled)		497	1900	120	1900	26	244	0.34	0.05	1.01	3.48
	50	1	(untitled)		1619	1900	120	1020	159	-43	675.87	317.23	3788.65	681.65
	51	1	(untitled)		638	1900	120	1900	34	168	0.48	0.08	1.30	4.97

Data Entry - Stage Start and End

Resultant Stage

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
769-1	1	✓	1	A	45	86	41	1	7
	2	✓	2	B	93	100	7	1	7
	3		1	A	105	26	41	1	7
	4		2	B	33	40	7	1	7
769-2	1	✓	4	D,E,H,I	77	104	27	1	3
	2	✓	5	F,G,J,K	115	3	8	1	8
	3		4	D,E,H,I	17	44	27	1	3
	4		5	F,G,J,K	55	63	8	1	8
770-1	1	✓	1	A,C	7	29	22	1	5
	2	✓	2	B	36	62	26	1	7
	3		1	A,C	67	89	22	1	5
	4		2	B	96	2	26	1	7
770-2	1	✓	4	D	17	119	102	1	7
	2	✓	5	E	4	10	6	1	5
770-3	1	✓	7	F,I,J	74	105	31	1	2
	2	✓	9	G,H	116	2	6	1	1
	3		7	F,I,J	14	45	31	1	2
	4		9	G,H	56	62	6	1	1
770-4	1	✓	11	L	20	0	100	1	7
	2	✓	12	M	5	13	8	1	6
771-1	1	✓	1	A,C	69	101	32	1	9
	2	✓	3	B	112	4	12	1	7
	3		1	A,C	9	41	32	1	9
	4		3	B	52	64	12	1	7
771-2	1	✓	5	D	0	40	40	1	7
	2	✓	6	E	45	55	10	1	7
	3		5	D	60	100	40	1	7
	4		6	E	105	115	10	1	7

TC777-1	1	✓	1	A,B,F	100	67	87	1	6
	2	✓	2	A,C,F,G	72	79	7	1	7
	3	✓	5	D,H,I	86	94	8	1	6
TC777-2	1	✓	1	J	41	25	104	1	7
	2	✓	2	K	30	36	6	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
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	✓	74.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	2	✓	76.69	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	3	✓	78.40	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	4	✓	80.11	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Ac	1	✓	95.80	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	92.34	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	50
	3	✓	87.95	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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	20	0
	2	✓	97.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	20	0
	3	✓	99.69	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	4	✓	102.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Bc	1	✓	132.85	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	2	✓	131.47	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	3	✓	130.10	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
Bcf	1	✓	62.77	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	62.62	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.46	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	62.38	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	20	0
	2	✓	122.73	CTM	0.00	Normal	✓	✓		Directly entered	2200	20	0
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
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	20	0
	2		55.00	CTM	0.00	Normal	✓	✓		Directly entered	1850	20	0
	3	✓	52.87	CTM	0.00	Normal	✓	✓		Directly entered	2250	20	0
	4	✓	55.42	CTM	0.00	Normal	✓	✓		Directly entered	2250	20	0
Dc	1	✓	50.91	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	2	✓	48.96	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	3	✓	47.02	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	4	✓	45.07	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
Dcf	1	✓	65.43	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	65.28	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	65.54	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	67.69	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	66.13	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	6	✓	66.17	CTM	0.00	Normal	✓			Directly entered	2050	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	✓	45.75	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	48.11	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ec	1	✓	50.09	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	46.77	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	4	✓	45.11	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	500
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	✓	46.95	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	47.51	CTM	0.00	Normal	✓			Directly entered	2300	100	100
	5	✓	48.55	CTM	0.00	Normal	✓			Directly entered	2300	100	100
Ef	1	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	1	✓	51.83	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.71	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	1	✓	85.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0

	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	3	✓	87.25	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
Fc	1	✓	183.21	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	181.45	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	180.28	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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	500
	2	✓	151.80	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
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	✓	77.45	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	✓	121.44	NetworkDefault	0.00	Normal						100	100
	2	✓	122.12	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	20	0
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	20	0
Gf1	1	✓	47.81	NetworkDefault	0.00	Normal			✓			100	100
Cc2	2	✓	91.52	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	3	✓	91.11	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	4	✓	90.39	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	5	✓	90.48	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	6	✓	88.08	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
E2	3	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	20	0
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0

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	✓	92.21	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	6	0.00	0.00
		2	0	0	6	0.00	0.00
	2	1	0	0	44	0.00	0.00
		2	0	0	44	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	70	0.00	0.00
		2	0	0	70	0.00	0.00
	5	1	0	0	70	0.00	0.00
		2	0	0	70	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	64	0.00	0.00
		2	0	0	64	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	10	0.00	0.00
		2	0	0	10	0.00	0.00
	14	1	0	0	100	0.00	0.00
		2	0	0	100	0.00	0.00
	15	1	0	0	7	0.00	0.00
		2	0	0	7	0.00	0.00
	16	1	0	0	8	0.00	0.00
		2	0	0	8	0.00	0.00
	17	1	0	0	6	0.00	0.00
		2	0	0	6	0.00	0.00

Collections

Point to Point Journey Time

Note: Auto Calculate disabled on this Local Matrix (Paths and Flow Allocation might not be up to date).

Average Journey Time (s) for Local Matrix: 1

	To								
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	0.0	1036.3	1025.9	1306.6	1308.6	1261.8	1311.2	0.0
	B28	690.4	0.0	794.9	931.7	898.5	683.2	690.7	0.0
	C28	128.5	121.2	0.0	66.5	63.7	111.9	120.0	0.0
	D28	102.3	168.5	160.4	0.0	174.6	93.1	101.2	0.0
	E28	117.6	137.1	170.9	64.3	0.0	101.4	109.6	0.0
	F28	106.4	159.4	144.9	161.4	161.9	0.0	15.8	0.0
	G28	74.5	129.7	144.6	128.5	156.1	179.5	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Normal journey dist (m)	Bus journeydist (m)	Tram journey dist (m)	Pedestrian journey dist (m)	Calculated Total Flow (PCU/hr)	Avg journey time (s)	Avg journey dist (m)
32	C28	E28	159	63.72	526.66	0.00	0.00	0.00	159	63.72	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

41	E28	A28	392	121.07	693.45	0.00	0.00	0.00	392	121.07	693.45
49	C28	D28	206	66.48	514.00	0.00	0.00	0.00	206	66.48	514.00
50	E28	D28	50	64.29	370.08	0.00	0.00	0.00	50	64.29	370.08
68	E28	G28	129	109.67	737.43	0.00	0.00	0.00	129	109.67	737.43
92	E28	F28	29	101.43	644.57	0.00	0.00	0.00	29	101.43	644.57
100	E28	B28	215	131.95	623.35	0.00	0.00	0.00	215	131.95	623.35
102	A28	C28	278	1025.88	694.76	0.00	0.00	0.00	278	1025.88	694.76
103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
107	A28	B28	46	1036.26	716.08	0.00	0.00	0.00	46	1036.26	716.08
110	E28	G28	54	109.44	731.08	0.00	0.00	0.00	54	109.44	731.08
112	F28	G28	13	15.81	149.60	0.00	0.00	0.00	13	15.81	149.60
113	F28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
115	B28	C28	9	794.89	556.36	0.00	0.00	0.00	9	794.89	556.36
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
130	G28	C28	159	144.60	769.88	0.00	0.00	0.00	159	144.60	769.88
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
140	B28	G28	222	691.44	1063.74	0.00	0.00	0.00	222	691.44	1063.74
141	B28	F28	23	683.20	970.89	0.00	0.00	0.00	23	683.20	970.89
142	B28	G28	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	B28	G28	230	689.97	1054.40	0.00	0.00	0.00	230	689.97	1054.40
145	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
146	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
147	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
148	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
149	B28	A28	34	690.41	1016.14	0.00	0.00	0.00	34	690.41	1016.14
150	E28	B28	234	141.82	625.89	0.00	0.00	0.00	234	141.82	625.89
151	B28	B28	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	159.43	750.62	0.00	0.00	0.00	7	159.43	750.62
154	E28	A28	77	100.25	694.61	0.00	0.00	0.00	77	100.25	694.61
155	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
156	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	A28	G28	434	1345.67	1196.15	0.00	0.00	0.00	434	1345.67	1196.15
159	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
160	B28	D28	252	931.70	698.10	0.00	0.00	0.00	252	931.70	698.10
161	B28	E28	299	933.71	713.02	0.00	0.00	0.00	299	933.71	713.02
162	B28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
163	B28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
164	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
165	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
166	B28	C28	64	794.92	553.47	0.00	0.00	0.00	64	794.92	553.47
167	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
168	G28	A28	232	73.35	386.06	0.00	0.00	0.00	232	73.35	386.06
169	G28	B28	8	129.12	788.72	0.00	0.00	0.00	8	129.12	788.72
170	G28	B28	106	129.70	789.10	0.00	0.00	0.00	106	129.70	789.10
171	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
172	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
173	F28	D28	6	161.41	871.57	0.00	0.00	0.00	6	161.41	871.57
174	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
175	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
176	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
177	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

178	B28	E28	135	935.19	710.57	0.00	0.00	0.00	135	935.19	710.57
179	B28	E28	102	747.74	711.82	0.00	0.00	0.00	102	747.74	711.82
180	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
181	F28	C28	3	144.90	729.68	0.00	0.00	0.00	3	144.90	729.68
182	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
183	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
184	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
185	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
186	A28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
187	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
188	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
189	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
190	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
191	D28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
192	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
193	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
194	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
195	D28	G28	144	101.36	744.99	0.00	0.00	0.00	144	101.36	744.99
196	D28	F28	42	93.12	652.14	0.00	0.00	0.00	42	93.12	652.14
197	D28	G28	75	100.75	740.41	0.00	0.00	0.00	75	100.75	740.41
198	D28	A28	3	102.69	704.54	0.00	0.00	0.00	3	102.69	704.54
199	D28	B28	201	168.49	1101.39	0.00	0.00	0.00	201	168.49	1101.39
200	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
201	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
202	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
203	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
205	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
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
246	E28	C28	74	170.87	1066.04	0.00	0.00	0.00	74	170.87	1066.04
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
252	F28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
283	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
284	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
285	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
286	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
307	G28	C28	65	144.60	769.88	0.00	0.00	0.00	65	144.60	769.88
317	C28	G28	455	119.66	870.70	0.00	0.00	0.00	455	119.66	870.70
318	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
319	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
320	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
322	C28	G28	367	120.50	880.26	0.00	0.00	0.00	367	120.50	880.26
323	C28	F28	21	111.88	787.41	0.00	0.00	0.00	21	111.88	787.41
324	C28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
325	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
330	C28	A28	145	124.37	834.99	0.00	0.00	0.00	145	124.37	834.99
331	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
332	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
334	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
342	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
343	C28	B28	28	121.18	753.20	0.00	0.00	0.00	28	121.18	753.20
364	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
379	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
380	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
381	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

382	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
383	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
384	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
385	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
386	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
387	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
388	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
389	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
390	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
391	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
392	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
393	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
394	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
395	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
396	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
397	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
398	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
399	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
400	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
401	G28	F28	26	179.48	1180.56	0.00	0.00	0.00	26	179.48	1180.56
402	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
403	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
404	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
405	A28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
406	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
407	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
408	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
409	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
410	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
411	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
412	F28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
413	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
414	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
415	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
417	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
418	G28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
423	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
424	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
425	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
428	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
431	D28	C28	135	160.39	1080.45	0.00	0.00	0.00	135	160.39	1080.45
439	G28	E28	121	173.23	923.21	0.00	0.00	0.00	121	173.23	923.21
440	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
441	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
442	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
443	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
444	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
445	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
446	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
447	D28	E28	17	176.80	1234.10	0.00	0.00	0.00	17	176.80	1234.10
448	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
449	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
450	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
451	G28	D28	114	128.52	910.65	0.00	0.00	0.00	114	128.52	910.65
452	G28	E28	77	129.04	925.57	0.00	0.00	0.00	77	129.04	925.57
453	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

454	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
455	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
456	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
457	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
458	D28	E28	21	172.82	1232.00	0.00	0.00	0.00	21	172.82	1232.00
459	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
460	F28	E28	4	161.93	886.49	0.00	0.00	0.00	4	161.93	886.49
461	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
462	A28	G28	347	1270.06	1205.17	0.00	0.00	0.00	347	1270.06	1205.17
463	A28	F28	64	1261.82	1112.32	0.00	0.00	0.00	64	1261.82	1112.32
464	A28	G28	16	1269.46	1200.59	0.00	0.00	0.00	16	1269.46	1200.59
465	A28	E28	432	1308.65	852.36	0.00	0.00	0.00	432	1308.65	852.36
466	A28	D28	2	1306.65	839.90	0.00	0.00	0.00	2	1306.65	839.90
467	G28	A28	86	77.57	388.25	0.00	0.00	0.00	86	77.57	388.25
468	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
469	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
470	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
471	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
472	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
473	C28	A28	332	130.37	831.37	0.00	0.00	0.00	332	130.37	831.37
474	E28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
475	E28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
476	D28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
477	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
478	F28	A28	8	106.44	350.15	0.00	0.00	0.00	8	106.44	350.15

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 saturation flow (PCU/hr)	Actual green (s per cycle)	Wasted time total (s per cycle)	Degree of saturation (%)	Practical reserve capacity (%)	Journey Time (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	232	2050	20	2.00	62	46	36.13	30.56	82.51	4.31	20	0	0.00	5.59
	2	(untitled)	6	771-2	E	218	2050	20	1.00	58	55	34.02	28.27	83.87	3.69	20	0	0.00	4.86
	3	(untitled)	6	771-2	E	345	2050	20	0.00	92	-2	67.18	61.30	124.08	9.11	20	0	0.00	16.68
	4	(untitled)	6	771-2	E	227	2050	20	2.00	60	49	32.13	26.13	77.32	3.53	20	0	0.00	4.68
Ac	1	(untitled)	6	771-2	D	641	2263	80	38.00	41	117	10.21	3.02	20.21	2.47	100	500	0.00	28.45
	2	(untitled)	6	771-2	D	668	2263	80	39.01	45	101	15.43	5.93	39.48	5.33	100	50	0.00	17.88
	3	(untitled)	6	771-2	D	112	2263	80	52.00	7	1143	6.90	0.30	1.25	0.02	100	500	0.00	0.36
Ac f	1	(untitled)	6			1309	2263	120	30.00	58	56	6.31	1.09	0.00	0.40	100	100	0.00	5.63
	2	(untitled)	6			112	2263	120	90.00	5	1718	7.28	0.04	0.00	0.00	100	100	0.00	0.02

Af	1	(untitled)	6			450	2050	120	27.00	22	310	6.67	0.25	0.00	0.03	100	100	0.00	0.44
	2	(untitled)	6			345	2050	120	29.00	17	435	6.56	0.18	0.00	0.02	100	100	0.00	0.24
	3	(untitled)	6			227	2050	120	27.00	11	713	6.47	0.11	0.00	0.01	100	100	0.00	0.10
B	1	(untitled)	1	769-1	B	204	2050	14	4.00	75	21	57.21	50.11	128.47	4.45	20	0	0.00	8.07
	2	(untitled)	1	769-1	B	273 <	2150	14	0.74	100	-10	296.41	289.13	306.78	24.03 +	20	0	0.00	62.34
	3	(untitled)	1	769-1	B	269 <	2100	14	0.38	98	-9	231.30	223.82	284.21	18.92 +	20	0	0.00	47.48
	4	(untitled)	1	769-1	B	273 <	2050	14	0.00	100	-10	310.91	298.62	426.38	25.19 +	20	0	0.00	64.39
Bc	1	(untitled)	1	769-1	A	460	2050	82	41.00	32	181	18.75	6.79	36.32	2.79	100	500	0.00	30.95
	2	(untitled)	1	769-1	A	436	2050	82	34.00	30	196	12.46	0.63	2.70	0.20	100	500	0.00	2.39
	3	(untitled)	1	769-1	A	248	2050	82	60.00	17	421	12.13	0.43	1.57	0.06	100	500	0.00	0.85
Bcf	1	(untitled)	1			873	2263	120	56.00	39	133	4.66	0.50	0.00	0.12	100	100	0.00	1.72
	2	(untitled)	1			886	2263	120	53.00	39	130	5.12	0.51	0.00	0.13	100	100	0.00	1.79
	3	(untitled)	1			436	2263	120	68.00	19	367	6.25	0.19	0.00	0.02	100	100	0.00	0.33
	4	(untitled)	1			248	2263	120	98.00	11	721	6.48	0.10	0.00	0.01	100	100	0.00	0.10
Bf	1	(untitled)	1			477 <	1800	120	86.89	96	-6	260.35	233.02	414.74	42.07 +	100	100	0.00	463.60
	2	(untitled)	1			542 <	1800	120	82.36	96	-6	249.30	221.89	432.01	45.99 +	100	100	0.00	503.97
C	1	(untitled)	2	769-2	G	52	2100	30	28.00	9	864	32.20	17.67	100.46	1.45	20	0	0.00	0.73
	2	(untitled)	2	769-2	G	564 <	2200	30	0.00	96	-6	154.49	139.76	249.66	27.38 +	20	0	0.00	62.23
	3	(untitled)	2	769-2	G	365	2050	30	8.00	67	35	48.88	33.96	111.03	6.76	20	0	0.00	9.77
Cf	1	(untitled)	2			544 <	1965	120	86.80	100	-10	206.88	189.53	318.19	35.82 +	100	100	0.00	428.11
	2	(untitled)	2			438	1965	120	88.75	39	133	25.46	7.95	71.20	5.94	100	100	0.00	17.64
D	1	(untitled)	3	770-1	B	365	2050	52	0.00	40	127	16.45	12.32	60.43	3.68	20	0	0.00	3.55
	2	(untitled)	3	770-1	B	388	1850	52	0.00	47	93	17.50	13.37	61.44	3.98	20	0	0.00	4.09
	3	(untitled)	3	770-1	B	455	2250	52	0.00	45	100	16.80	12.83	62.49	4.95	20	0	0.00	4.61
	4	(untitled)	3	770-1	B	505	2250	52	0.00	50	80	17.63	13.47	64.83	5.50	20	0	0.00	5.37
Dc	1	(untitled)	3	770-1	A	563	2100	48	8.00	64	40	16.36	10.25	59.68	5.57	100	500	0.00	43.81
	2	(untitled)	3	770-1	A	635	2100	48	8.00	73	24	13.22	7.34	30.89	4.07	100	500	0.00	30.68
	3	(untitled)	3	770-1	A	475	2100	48	12.00	54	66	19.01	13.37	95.49	7.36	100	500	0.00	53.47

	4	(untitled)	3	770-1	A	462	2100	48	22.00	53	70	18.46	13.05	97.03	7.26	100	500	0.00	51.94
Dc f	1	(untitled)	3			359	2050	120	87.00	18	414	5.09	0.19	0.00	0.02	100	100	0.00	0.26
	2	(untitled)	3			304	2100	120	98.00	14	521	5.04	0.15	0.00	0.01	100	100	0.00	0.17
	3	(untitled)	3			563	2100	120	62.00	27	236	7.29	0.31	0.00	0.05	100	100	0.00	0.70
	4	(untitled)	3			635	2100	120	70.00	30	198	6.60	0.37	0.00	0.07	100	100	0.00	0.93
	5	(untitled)	3			475	2100	120	69.37	24	280	7.18	0.34	3.57	1.79	100	100	0.00	0.98
	6	(untitled)	3			462	2050	120	82.42	23	284	8.30	0.36	4.66	1.49	100	100	0.00	0.93
Df	1	(untitled)	3-2			753	1900	120	0.00	40	127	24.62	0.62	0.00	0.13	100	100	0.00	1.85
	2	(untitled)	3-2			960	2250	120	0.00	43	111	24.59	0.59	0.00	0.16	100	100	0.00	2.25
Dx p	1	(untitled)	3-2	770-2	D	359	2050	102	46.00	20	341	4.59	1.16	6.65	0.80	100	100	0.00	2.41
	2	(untitled)	3-2	770-2	D	304	2050	102	73.00	17	420	3.98	0.37	1.98	1.75	100	100	0.00	0.63
Ec	1	(untitled)	4	770-3	F	508	2150	72	16.00	38	135	6.48	2.72	14.25	2.44	100	500	0.00	17.06
	2	(untitled)	4	770-3	F	863	2263	72	14.00	62	46	10.25	6.62	35.70	6.11	100	500	0.00	71.97
	3	(untitled)	4	770-3	F	893	2263	72	26.00	64	41	10.64	7.13	37.13	6.33	100	500	0.00	78.33
	4	(untitled)	4	770-3	F	501	2250	72	36.00	36	149	19.48	14.06	68.10	5.69	100	500	0.00	49.22
Ef	1	(untitled)	4			722	2100	120	27.77	36	151	4.04	0.59	2.82	2.44	100	100	0.00	2.33
	2	(untitled)	4			841	2100	120	24.00	40	125	4.05	0.57	0.00	0.13	100	100	0.00	1.90
	3	(untitled)	4			863	2263	120	28.06	40	124	5.62	1.15	11.73	4.37	100	100	0.00	6.26
	4	(untitled)	4			893	2300	120	41.53	41	117	5.90	1.25	11.93	4.15	100	100	0.00	6.75
	5	(untitled)	4			529	2300	120	54.00	23	291	5.96	0.23	0.00	0.03	100	100	0.00	0.49
Ef	1	(untitled)	4			805	1900	120	0.00	42	112	16.00	0.70	0.00	0.16	100	100	0.00	2.21
	2	(untitled)	4			449	1900	120	0.00	24	281	15.60	0.29	0.00	0.04	100	100	0.00	0.52
Ex p	1	(untitled)	4-2	770-4	L	722	2050	100	16.00	42	115	6.85	2.96	25.61	6.41	100	100	0.00	14.36
	2	(untitled)	4-2	770-4	L	333	2050	100	65.00	19	366	5.57	1.54	22.70	2.88	100	100	0.00	4.46
F	1	(untitled)	5	771-1	B	261	2100	24	0.00	57	57	32.69	26.30	90.26	3.93	20	0	0.00	5.42
	2	(untitled)	5	771-1	B	339	2100	24	0.00	75	21	39.60	33.17	102.17	5.91	20	0	0.00	8.87
	3	(untitled)	5	771-1	B	38	2100	24	24.00	8	978	25.70	19.16	78.93	0.50	20	0	0.00	0.57
Fc	1	(untitled)	5	771-1	A	1021	2263	76	6.00	69	30	24.23	5.11	30.20	5.20	100	500	0.00	46.22
	2	(untitled)	5	771-1	A	1024	2263	76	6.61	70	28	23.92	5.04	37.46	9.20	100	500	0.00	52.39
	3	(untitled)	5	771-1	A	967	2263	76	15.48	67	34	22.79	3.41	27.33	5.56	100	500	0.00	33.79
Ff	1	(untitled)	5			600	1900	120	0.00	32	185	33.52	0.44	0.00	0.07	100	100	0.00	1.03
	2	(untitled)	5			38	1900	120	120.00	2	4400	33.07	0.02	0.00	0.00	100	100	0.00	0.00

G	1	(untitled)	2	769-2	F	234	2050	28	15.02	47	90	61.02	45.04	109.07	4.11	100	500	0.00	63.36
	2	(untitled)	2	769-2	F	243	2050	28	1.02	49	83	50.24	38.85	86.14	4.88	100	500	0.00	70.84
Gf	1	(untitled)	4			234	2050	120	92.00	11	688	3.15	0.11	0.00	0.01	100	100	0.00	0.10
	2	(untitled)	4			215	2050	120	92.00	10	758	3.11	0.10	0.00	0.01	100	100	0.00	0.09
xA	1	(untitled)	10			1197	2263	120	30.16	58	54	19.31	2.08	9.89	3.93	100	100	0.00	13.64
	2	(untitled)	10			1032	2263	120	36.09	51	77	18.94	1.70	8.07	2.69	100	100	0.00	9.58
xB	1	(untitled)				1299	Unrestricted	120	4.00	0	Unrestricted	6.95	0.00	0.00	0.00	100	100	0.00	0.00
xC	1	(untitled)				450	1900	120	83.13	33	172	13.27	4.60	45.38	7.05	100	100	0.00	14.73
	2	(untitled)				378	1900	120	84.64	28	218	13.85	5.15	59.33	4.80	100	100	0.00	14.88
xD	1	(untitled)				359	Unrestricted	120	28.00	0	Unrestricted	9.11	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				304	Unrestricted	120	76.00	0	Unrestricted	9.16	0.00	0.00	0.00	100	100	0.00	0.00
xE	1	(untitled)				722	Unrestricted	120	15.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				333	Unrestricted	120	57.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	1	(untitled)				558	Unrestricted	120	2.00	0	Unrestricted	12.19	0.00	0.00	0.00	100	100	0.00	0.00
Cc1	1	(untitled)	2	769-2	E	351	2050	64	28.45	31	187	18.22	11.65	63.45	3.84	100	100	0.00	24.84
E1	1	(untitled)	4	770-3	G	339	2050	26	0.00	71	27	36.10	30.10	96.76	5.65	20	0	0.00	8.05
	2	(untitled)	4	770-3	G	466	2200	26	0.00	91	-1	57.29	51.29	127.44	10.74	20	0	0.00	18.86
Gf1	1	(untitled)	4			28	710	120	86.00	4	2181	6.30	0.56	11.61	0.07	100	100	0.00	0.10
Cc2	2	(untitled)	2	769-2	D	313	2150	66	39.14	26	250	14.23	4.78	22.27	1.82	100	500	0.00	12.18
	3	(untitled)	2	769-2	D	411	2050	66	40.00	35	154	16.98	6.04	34.71	2.47	100	500	0.00	18.76
	4	(untitled)	2	769-2	D	298	2150	66	50.37	25	266	17.22	11.19	97.05	5.54	100	500	0.00	71.90
	5	(untitled)	2	769-2	D	521	2050	66	36.00	45	101	11.77	3.21	40.34	4.27	100	500	0.00	33.84
	6	(untitled)	2	769-2	D	273	2050	66	52.00	24	282	8.40	0.48	0.00	0.04	100	500	0.00	0.51
E2	3	(untitled)	4	770-3	H	234	2150	26	0.47	47	90	27.18	23.18	85.37	3.33	20	0	0.00	4.28
	4	(untitled)	4	770-3	H	215	2050	26	0.00	45	100	26.85	22.77	84.98	3.05	20	0	0.00	3.86
TC5	2	(untitled)	TC771-6	TC777-1	A	1021	2263	99	15.00	54	68	4.85	2.09	9.42	3.21	100	100	0.00	9.63
	3	(untitled)	TC771-6	TC777-1	A	1032	2263	99	20.00	54	66	4.91	2.14	9.35	3.22	100	100	0.00	9.94
	4	(untitled)	TC771-6	TC777-1	C	0	1800	7	8.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC9	1	(untitled)	TC771-6	TC777-1	B	432	1925	88	0.00	30	204	16.04	5.04	27.93	4.02	100	100	0.00	10.10

	2	(untitled)	TC 771-6	TC77 7-1	B	345	1966	88	0.00	23	289	15.68	4.62	27.67	3.20	100	100	0.00	7.48
	3	(untitled)	TC 771-6	TC77 7-1	B	217	1947	88	0.00	15	512	15.28	4.16	26.01	1.88	100	100	0.00	4.27
T C3 5	1	(untitled)	TC 771-6	TC77 7-1	A	175	1900	99	30.00	11	720	4.18	1.28	9.89	1.46	100	100	0.00	1.10
T C3 6	1	(untitled)	TC 771-6			41	1800	120	120.00	2	3851	3.05	0.02	0.00	0.00	100	100	0.00	0.00
T C3 7	1	(untitled)	TC 771-6	TC77 7-2	J	13	1850	104	104.00	1	11107	4.20	1.01	12.51	0.05	100	100	0.00	0.11
T C3 8	1	(untitled)	TC 771-6			13	350	120	75.00	4	2324	4.33	2.80	33.83	2.42	100	100	0.00	0.30
T C3 9	2	(untitled)	TC 771-6			1021	2263	120	34.00	45	99	3.19	0.65	0.00	0.19	100	100	0.00	2.63
	3	(untitled)	TC 771-6			1032	2263	120	39.00	46	97	3.06	0.67	0.00	0.19	100	100	0.00	2.71
T C4 0	2	(untitled)	TC 771-6			1034	Unrestricted	120	21.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC 771-6			1032	Unrestricted	120	25.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
T C4 1	1	(untitled)	TC 771-6	TC77 7-1	D	28	1850	10	9.00	17	445	56.35	52.42	92.57	2.43	100	100	0.00	6.69
T C4 2	1	(untitled)	TC 771-6	TC77 7-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
T C4 3	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			828	1300	120	32.00	64	41	18.45	2.42	0.00	0.56	100	100	0.00	7.89
48	1	(untitled)	2			1370 <	1965	120	60.07	140	-36	530.95	52.43	37.49	211.69 +	100	100	0.00	2879.60
49	1	(untitled)	TC 771-6			497	1900	120	0.00	26	244	3.48	0.34	0.00	0.05	100	100	0.00	0.66
	2	(untitled)	TC 771-6			497	1900	120	0.00	26	244	3.48	0.34	0.00	0.05	100	100	0.00	0.66
50	1	(untitled)	1			1619 <	1900	120	55.60	159	-43	681.65	67.58	41.51	317.23 +	100	100	0.00	4369.23
51	1	(untitled)	4-2			638	1900	120	0.00	34	168	4.97	0.48	0.00	0.08	100	100	0.00	1.20

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 saturation flow (Ped/hr)	Actual green (s per cycle)	Degree of saturation (%)	Practical reserve capacity	Journey Time (s)	Mean Delay per Ped (s)	Mean queue (Ped)	Delay weighting (%)	Cost of traffic penalties (£ per hr)	P.I.
1	1	(untitled)	3-2	770-2	E	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

	2	(untitled)	3-2	770-2	E	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
2	1	(untitled)	3	770-1	C	0	11000	44	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3	770-1	C	0	11000	44	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	70	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	J	0	11000	70	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	1	(untitled)	4	770-3	I	0	11000	70	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	I	0	11000	70	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	64	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	64	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	10	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	I	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
14	1	(untitled)		TC777-1	F	0	11000	100	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	F	0	11000	100	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
15	1	(untitled)		TC777-1	G	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	G	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
16	1	(untitled)		TC777-1	H	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	H	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
17	1	(untitled)		TC777-2	K	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

	2	(until ed)		TC777 -2	K	0	11000	6	0	Unrestr cted	0.00	0.0 0	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	5418.72	904.77	5.99	759.54	9368.05	734.69	0.00	10102.74
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	5418.72	904.77	5.99	759.54	9368.05	734.69	0.00	10102.74

- < = 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 © Copyright TRL Limited, 2019	
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Filename: M62 JN 28 CRF Scheme_Mar 20_PF_Sept 20_RevC_mitigation
 DS_optA+D_2019_01.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Option A+D
Report generation date: 12/01/2021 08:57:14

»Network Diagrams
 «A16 - PM Base 2019 : D16 - PM 2019, :
 »Summary
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 »Arms and Traffic Streams
 »Pedestrian Crossings
 »Local OD Matrix - Local Matrix: 1
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 »Results - Link
 »Results - Traffic Stream
 »Data Entry - Stage Start and End
 »Data Entry - Phase
 »Data Entry - Traffic Stream
 »Data entry - Link
 »Results - Pedestrian
 »Collections
 »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 2019 - PM 2019						
Network	A16 D16	60	1366.12	128.60	97% (TS C/2)	4 (3%)

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

Enabl e contro ller offset s	Enable fuel consumption	Ena ble quic k flare s	Displ ay jour ney time results	Displa y OD matrix distances	Displ ay level of service results	Displa y blocki ng and starva tion results	Displ ay end of red and green que ue results	Displ ay exce ss que ue results	Displ ay separ ate unifor m and rando m results	Display unweig hted results	Displa y TRAN SYT 12 style timing s	Displ ay effect ive green s in result s	Displ ay Red- With- Amb er	Displ ay End- Of- Green Amb er	Display control ler phase minimu ms

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

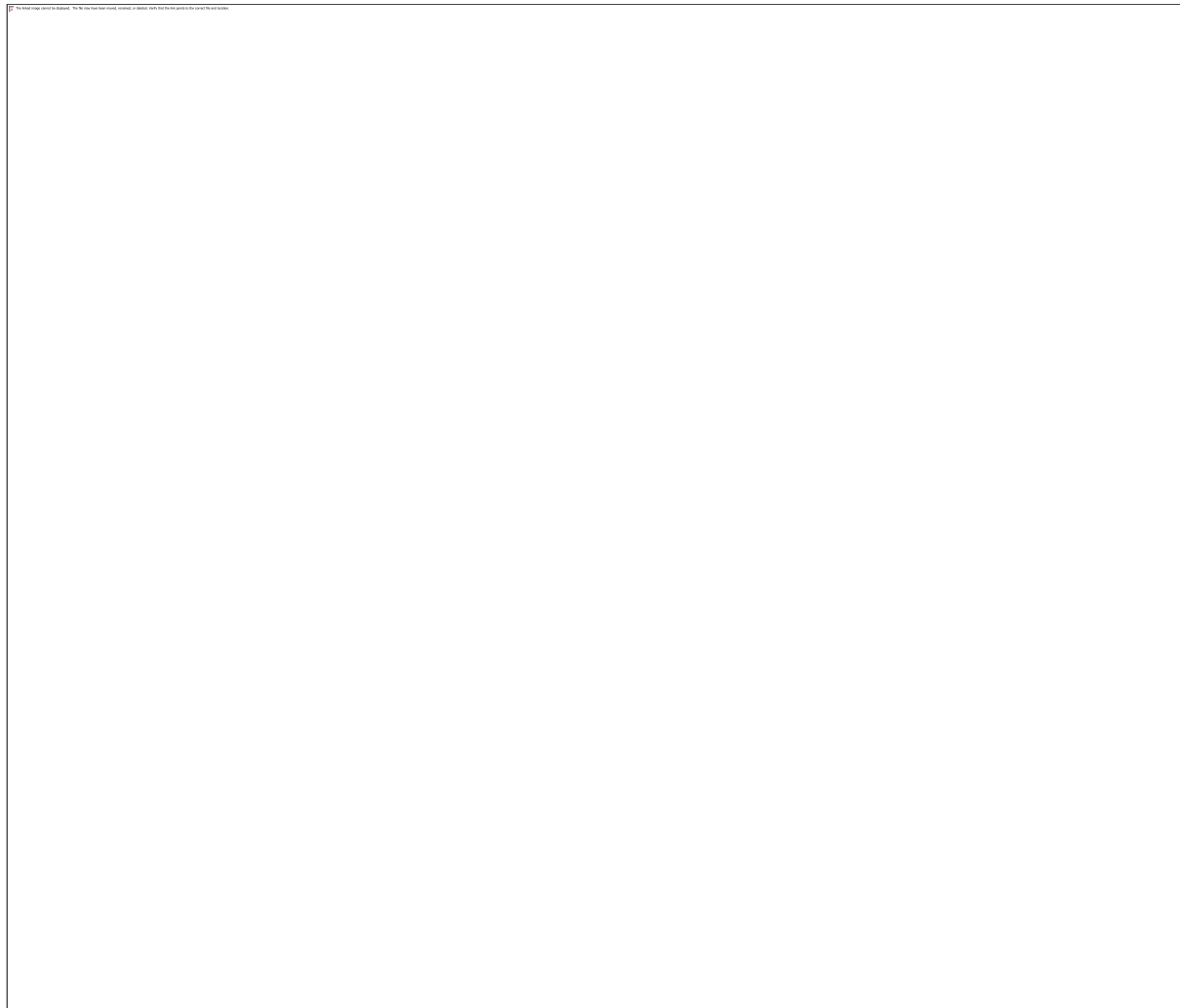
Sorting

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



A16 - PM Base 2019 D16 - PM 2019,

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: Auto Calculate option is switched off - OD flows will not be allocated automatically to the network.
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)	Modeling 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
16	12/01/2021 08:56:48	12/01/2021 08:56:58	10.38	16:30	60	1366.12	128.60	96.74	C/2	4	3	TC5/4	47/1	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 2019			✓	D16		✓	

Demand Set Details

Scenario name	Time Period name	Description	Composite	Demand sets	Start time (HH:mm)	Locked	Run automatically
PM 2019					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

Resoluti on	DOS Thresho ld (%)	Cruis e scalini g factor (%)	Use link stop weightin gs	Use link delay weightin gs	Exclude pedestria ns from traffic model	Exclude pedestria ns from results calculatio n	Rando m delay mode	Type of Vehicle- in- Service	Type of random paramet er	PCU Lengt h (m)	Calculat e results for Path Segmen ts	Genera te PDM Profile Data
1	90	100	✓	✓			Compl ex	Uniform (TRANSY T)	Uniform (TRANSY T)	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		✓	769-1, 769-2, 770-1, 770-2, 770-3, 770-4, 771-1, 771-2, 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

Ar m	Traffi c Strea m	Name	Description	Auto leng th	Leng th (m)	Has Saturati on Flow	Saturati on flow source	Saturati on flow (PCU/hr)	Auto- calculat e cell saturati on flow	Cell saturati on flow (PCU/hr)	Is signal control led	Is giv e wa y	Traffi c type	Allow Near side Turn On Red
A	1	(untitled)	M62E	✓	74.35	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.69	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.40	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.11	✓	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)		✓	62.77	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	62.62	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.46	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.38	✓	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	✓	122.73	✓	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	
	4	(untitled)	Leeds/M62/Wake	✓	55.42	✓	Directly entered	2250		2250	✓		Normal	
Dc	1	(untitled)	Brad	✓	50.91	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.96	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	47.02	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	45.07	✓	Directly entered	2100		2100	✓		Normal	
Dcf	1	(untitled)		✓	65.43	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	65.28	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	65.54	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	67.69	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	66.13	✓	Directly entered	2100		2100			Normal	
	6	(untitled)		✓	66.17	✓	Directly entered	2050		2050			Normal	
Df	1	(untitled)			200.00	✓	Sum of lanes	1900					Normal	
	2	(untitled)			200.00	✓	Directly entered	2250					Normal	
Dxp	1	(untitled)		✓	45.75	✓	Directly entered	2050			✓		Normal	
	2	(untitled)		✓	48.11	✓	Directly entered	2050			✓		Normal	
Ec	1	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal	
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)	M62E	✓	45.11	✓	Directly entered	2250		2250	✓		Normal	
Ecf	1	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal	
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	46.95	✓	Directly entered	2263		2263			Normal	
	4	(untitled)		✓	47.51	✓	Directly entered	2300		2300			Normal	
	5	(untitled)		✓	48.55	✓	Directly entered	2300		2300			Normal	
Ef	1	(untitled)		✓	127.54	✓	Directly entered	1900					Normal	

	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal	
Exp	1	(untitled)		✓	51.83	✓	Directly entered	2050		2100	✓		Normal	
	2	(untitled)		✓	53.71	✓	Directly entered	2050		2100	✓		Normal	
F	1	(untitled)	Leeds	✓	85.13	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.25	✓	Directly entered	2100		2100	✓		Normal	
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)		✓	77.45								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)		✓	121.44								Normal	
	2	(untitled)		✓	122.12								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)		✓	47.81							✓	Normal	
Cc2	2	(untitled)	Dews	✓	91.52	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	91.11	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	90.39	✓	Directly entered	2150		2100	✓		Normal	

	5	(untitled)	Leeds	✓	90.48	✓	Directly entered	2050		2050	✓		Normal	
	6	(untitled)	Leeds	✓	88.08	✓	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)		✓	92.21	✓	Sum of lanes	1966		1966	✓		Normal	
	3	(untitled)		✓	92.69	✓	Sum of lanes	1947		1947	✓		Normal	
TC3 5	1	(untitled)		✓	24.16	✓	Directly entered	1900		2263	✓		Normal	
TC3 6	1	(untitled)		✓	25.22	✓	Sum of lanes	1800					Normal	
TC3 7	1	(untitled)		✓	44.32	✓	Directly entered	1850		1850	✓		Normal	
TC3 8	1	(untitled)		✓	21.32	✓	Directly entered	1850		1850		✓	Normal	
TC3 9	2	(untitled)		✓	35.24	✓	Directly entered	2263		2263			Normal	
	3	(untitled)		✓	33.28	✓	Directly entered	2263		2263			Normal	
TC4 0	2	(untitled)		✓	58.74								Normal	
	3	(untitled)		✓	55.82								Normal	
TC4 1	1	(untitled)		✓	54.63	✓	Directly entered	1850		1850	✓		Normal	
TC4 2	1	(untitled)		✓	23.35	✓	Sum of lanes	1771			✓		Normal	
TC4 3	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	

[illegible]

[illegible]

[illegible]

[illegible]

	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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Ac	1	CTM	500	100	100		0.00	✓	16.50	9999.00				
	2	CTM	500	100	100		0.00	✓	16.50	9999.00				
	3	CTM	500	100	100		0.00	✓	16.50	9999.00				
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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							

	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Bc	1	CTM	500	100	100		0.00	✓	22.50	9999.00				
	2	CTM	500	100	100		0.00	✓	22.50	9999.00				
	3	CTM	500	100	100		0.00	✓	22.50	9999.00				
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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
Cf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
D	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Dc	1	CTM	500	100	100		0.00	✓	8.00	9999.00				
	2	CTM	500	100	100		0.00	✓	8.00	9999.00				
	3	CTM	500	100	100		0.00	✓	8.00	9999.00				
	4	CTM	500	100	100		0.00	✓	8.00	9999.00				
Dcf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
	6	CTM	100	100	100		0.00							
Df	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
Dx P	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
Ec	1	CTM	500	100	100		0.00	✓	8.00	9999.00				
	2	CTM	500	100	100		0.00	✓	8.00	9999.00				
	3	CTM	500	100	100		0.00	✓	8.00	9999.00				
	4	CTM	500	100	100		0.00	✓	8.00	9999.00				
Ecf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
Ef	1	NetworkDe fault	100	100	100		0.00							

	2	NetworkDe fault	100	100	100		0.00							
Exp	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
F	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
Fc	1	CTM	500	100	100		0.00	✓	32.0 0	9999. 00				
	2	CTM	500	100	100		0.00	✓	32.0 0	9999. 00				
	3	CTM	500	100	100		0.00	✓	32.0 0	9999. 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	500	100	100		0.00	✓	26.0 0	9999. 00				
	2	CTM	500	100	100		0.00	✓	26.0 0	9999. 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	NetworkDe fault	100	100	100		0.00							
xC	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xD	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
xE	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
xF	1	NetworkDe fault	100	100	100		0.00							
Cc1	1	CTM	100	100	100		0.00							
E1	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
Gf1	1	NetworkDe fault	100	100	100		0.00							
Cc2	2	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	3	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	4	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	5	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	6	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
E2	3	CTM	0	20	100		0.00							
	4	CTM	0	20	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	NetworkDe fault	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	NetworkDe fault	100	100	100		0.00							
TC 43	1	NetworkDe fault	100	100	100		0.00							
47	1	CTM	100	100	100		0.00							
48	1	NetworkDe fault	100	100	100		0.00							
49	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
50	1	NetworkDe fault	100	100	100		0.00							
51	1	NetworkDe fault	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	612	612
	2	603	603
	3	683	683
	4	416	416
Ac	1	537	537
	2	561	561
	3	286	286
Acf	1	1098	1098
	2	286	286
Af	1	1215	1215
	2	683	683
	3	416	416
B	1	336	336

	2	292	292
	3	278	278
	4	285	285
Bc	1	805	805
	2	913	913
	3	472	472
Bcf	1	1148	1148
	2	1164	1164
	3	913	913
	4	472	472
Bf	1	628	628
	2	563	563
C	1	83	83
	2	603	603
	3	244	244
Cf	1	561	561
	2	369	369
D	1	253	253
	2	124	124
	3	234	234
	4	275	275
Dc	1	673	673
	2	778	778
	3	347	347
	4	345	345
Dcf	1	581	581
	2	949	949
	3	673	673
	4	778	778
	5	347	347
	6	345	345
Df	1	377	377
	2	509	509
Dxp	1	581	581
	2	949	949
Ec	1	500	500
	2	472	472
	3	519	519
	4	269	269
Ecf	1	764	764
	2	940	940
	3	472	472
	4	519	519
	5	335	335
Ef	1	764	764
	2	538	538
Exp	1	764	764
	2	440	440
F	1	164	164
	2	303	303
	3	285	285
Fc	1	595	595
	2	656	656
	3	673	673
Ff	1	467	467

	2	285	285
G	1	298	298
	2	306	306
Gf	1	284	284
	2	254	254
xA	1	630	630
	2	662	662
xB	1	1507	1507
xC	1	642	642
	2	601	601
xD	1	581	581
	2	949	949
xE	1	764	764
	2	440	440
xF	1	599	599
Cc1	1	639	639
E1	1	359	359
	2	405	405
Gf1	1	66	66
Cc2	2	502	502
	3	421	421
	4	945	945
	5	550	550
	6	325	325
E2	3	284	284
	4	254	254
TC5	2	596	596
	3	662	662
	4	0	0
TC9	1	1102	1102
	2	683	683
	3	361	361
TC35	1	34	34
TC36	1	205	205
TC37	1	37	37
TC38	1	37	37
TC39	2	596	596
	3	662	662
TC40	2	633	633
	3	662	662
TC41	1	168	168
TC42	1	0	0
TC43	1	0	0
47	1	1243	1243
48	1	930	930
49	1	1102	1102
	2	1044	1044
50	1	1191	1191
51	1	752	752

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	
	4	770-1	B	
Dc	1	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
Dxp	1	770-2	D	
	2	770-2	D	
Ec	1	770-3	F	
	2	770-3	F	
	3	770-3	F	
	4	770-3	F	
Exp	1	770-4	L	
	2	770-4	L	
F	1	771-1	B	
	2	771-1	B	
	3	771-1	B	
Fc	1	771-1	A	
	2	771-1	A	
	3	771-1	A	
G	1	769-2	F	
	2	769-2	F	
Cc1	1	769-2	E	
E1	1	770-3	G	
	2	770-3	G	
Cc2	2	769-2	D	
	3	769-2	D	
	4	769-2	D	
	5	769-2	D	
	6	769-2	D	
E2	3	770-3	H	
	4	770-3	H	
TC5	2	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	1	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	1	TC777-1	A	

TC37	1	TC777-2	J	
TC41	1	TC777-1	D	
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	5.58	48.00	✓	Straight	Straight Movement
	2	1	Af/1	A/2	5.75	48.00	✓	Straight	Straight Movement
	3	1	Af/2	A/3	5.88	48.00	✓	Straight	Straight Movement
	4	1	Af/3	A/4	6.01	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	4.71	48.00	✓	Nearside	68.09
	2	1	A/2	Bcf/2	6.63	34.00	✓	Nearside	71.40
	3	1	A/3	Bcf/3	6.61	34.00	✓	Nearside	74.72
	4	1	A/4	Bcf/4	6.60	34.00	✓	Nearside	78.03
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	14.73	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
	4	1	Df/2	D/4	4.16	48.00	✓	Straight	Straight Movement
Dc	1	1	Dcf/3	Dc/1	6.11	30.00	✓	Offside	56.19
	2	1	Dcf/4	Dc/2	5.88	30.00	✓	Offside	52.87
	3	1	Dcf/5	Dc/3	5.64	30.00	✓	Offside	49.56
	4	1	Dcf/6	Dc/4	5.41	30.00	✓	Offside	46.25
Dcf	1	1	Cc2/2	Dcf/1	4.91	48.00	✓	Straight	Straight Movement
	2	1	Cc2/4	Dcf/2	4.90	48.00	✓	Straight	Straight Movement
	3	1	C/2	Dcf/3	4.92	48.00	✓	Nearside	58.12
	4	1	C/2	Dcf/4	5.08	48.00	✓	Nearside	58.12
	5	1	C/3	Dcf/5	4.96	48.00	✓	Nearside	61.43
	6	1	C/3	Dcf/6	7.94	30.00	✓	Nearside	61.43
Dxp	1	1	Dcf/1	Dxp/1	3.43	48.00	✓	Nearside	60.22
	2	1	Dcf/2	Dxp/2	3.61	48.00	✓	Nearside	63.54
Ec	1	1	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42
	2	1	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	1	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	1	Ecf/5	Ec/4	5.41	30.00	✓	Offside	66.48
Ecf	1	1	Dc/1	Ecf/1	3.45	48.00	✓	Offside	76.11
	2	1	Dc/2	Ecf/2	3.48	48.00	✓	Offside	72.80
	3	1	Dc/3	Ecf/3	3.52	48.00	✓	Offside	69.49
	4	1	Dc/4	Ecf/4	3.56	48.00	✓	Offside	66.17
	5	1	Dc/4	Ecf/5	3.64	48.00	✓	Offside	62.86
Exp	1	1	Ecf/1	Exp/1	3.89	48.00	✓	Nearside	52.96
	2	1	Ecf/2	Exp/2	4.03	48.00	✓	Nearside	56.27
F	1	1	Ff/1	F/1	6.38	48.00	✓	Straight	Straight Movement
	2	1	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement
	3	1	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	1	1	Ec/2	Fc/1	18.84	35.00	✓	Straight	Straight Movement
	2	1	Ec/3	Fc/2	18.66	35.00	✓	Straight	Straight Movement
	3	1	Ec/4	Fc/3	18.54	35.00	✓	Straight	Straight Movement
Ff	1	1	51/1	Ff/1	33.09	30.00	✓	Straight	Straight Movement
	2	1	51/1	Ff/2	33.05	30.00	✓	Straight	Straight Movement

G	1	1	Gf/1	G/1	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	5.81	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	9.11	48.00	✓	Nearside	44.59
	2	1	Dxp/2	xD/2	9.16	48.00	✓	Nearside	47.90
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/5	Gf1/1	5.74	30.00	✓	Offside	21.77
Cc2	2	1	B/1	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	3	1	B/3	Cc2/3	8.20	40.00	✓	Straight	Straight Movement
	4	1	B/2	Cc2/4	8.14	40.00	✓	Straight	Straight Movement
	5	1	Bc/3	Cc2/5	6.03	54.00	✓	Offside	96.53
	6	1	Bc/3	Cc2/6	5.87	54.00	✓	Offside	93.22
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	11.07	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	3.95	57.00	✓	Offside	89.74
	3	2	Ac/3	Bcf/3	3.95	57.00	✓	Offside	86.42
	4	2	Ac/3	Bcf/4	3.94	57.00	✓	Offside	86.42
C	2	2	Cf/1	C/2	14.73	30.00	✓	Offside	56.58
Dcf	1	2	C/1	Dcf/1	4.91	48.00	✓	Nearside	54.80
	2	2	C/1	Dcf/2	4.90	48.00	✓	Nearside	54.80
	3	2	Cc2/3	Dcf/3	7.87	30.00	✓	Straight	Straight Movement
	4	2	Cc2/3	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
	5	2	Cc2/5	Dcf/5	7.94	30.00	✓	Offside	99.16
	6	2	Cc2/6	Dcf/6	7.94	30.00	✓	Offside	95.85
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	5.63	30.00	✓	Nearside	46.68
	4	2	D/3	Ecf/4	5.70	30.00	✓	Nearside	49.99
	5	2	D/4	Ecf/5	5.83	30.00	✓	Nearside	53.30
Fc	1	2	E1/1	Fc/1	20.61	32.00	✓	Nearside	58.94
	2	2	E1/1	Fc/2	20.41	32.00	✓	Nearside	60.85
	3	2	E1/2	Fc/3	20.28	32.00	✓	Nearside	64.16
G	1	2	Gf1/1	G/1	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
xB	1	2	Bcf/2	xB/1	9.29	30.00	✓	Nearside	60.96
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/1	Cc2/2	10.98	30.00	✓	Straight	Straight Movement
	3	2	Bc/2	Cc2/3	10.93	30.00	✓	Offside	99.84
	4	2	Bc/2	Cc2/4	6.03	54.00	✓	Straight	Straight Movement
	5	2	B/4	Cc2/5	8.14	40.00	✓	Straight	Straight Movement

	6	2	B/4	Cc2/6	7.93	40.00	✓	Straight	Straight Movement
TC9	2	2	49/1	TC9/2	11.07	30.00	✓	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
Dcf	4	3	Cc2/5	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
xA	2	3	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
Cc2	3	3	B/2	Cc2/3	10.93	30.00	✓	Straight	Straight Movement
	5	3	B/3	Cc2/5	10.86	30.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

Traffic Stream	Description	Controlling type	Controlling traffic stream	Percentage opposing (%)	Slope coefficient	Upstream signals visible
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	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)	✓	User Equilibrium			✓								

Note: Auto Calculate disabled on this Local Matrix - Paths and Flow Allocation might not be up to date.

Normal Input Flows (PCU/hr)

	To								
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	3	48	319	12	409	7	393	0
	B28	17	0	83	157	446	5	222	0
	C28	260	26	0	162	91	6	341	0
	D28	5	338	230	0	15	7	157	0
	E28	433	538	82	99	1	4	145	0

	F28	60	14	39	40	15	0	37	0
	G28	729	279	777	129	227	5	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	32	I1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	91
	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	387
	49	I1	C28	D28	Df/1, D/1, Ecf/2, Ec/1, xF/1	Normal	162
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	99
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	119
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	4
	100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Normal	254
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	288
	103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
	105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	0
	107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	48
	110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	26
	112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	37
	113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	4
	125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	683
	137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	0

138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	0
140		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	220
141		B28	F28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	5
142		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
144		B28	G28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	2
145		B28	H28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
146		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
147		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
148		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
149		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	17
150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	284
151		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
152		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
153		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	14
154		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
155		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
156		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
157		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
158		A28	G28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	282
159		A28	H28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
160		B28	D28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	153
161		B28	E28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
162		B28	D28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	4
163		B28	E28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	14
164		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
165		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	79
167		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
168		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal	612
169		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	32
170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	247
171		G28	H28	49/1, TC9/1, TC43/1	Normal	0

17	2		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
17	3		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	40
17	4		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
17	5		A28	D28	50/1, Bf/2, B/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
17	6		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
17	7		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
17	8		B28	E28	48/1, Cf/1, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	325
17	9		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	107
18	0		A28	H28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
18	1		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	39
18	2		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
18	3		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	7
18	4		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	11
18	5		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	0
18	6		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	31
18	7		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
18	8		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
18	9		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
19	0		G28	D28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
19	1		D28	F28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
19	2		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
19	3		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
19	4		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
19	5		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	120
19	6		D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	7
19	7		D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	37
19	8		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
19	9		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	298
20	0		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
20	1		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
20	2		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
20	3		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
20	5		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	160

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
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	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	Normal	230
249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/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	0
283		E28	B28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
284		E28	B28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
285		E28	B28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
286		E28	B28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
307		G28	C28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
317		C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	223
318		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
319		C28	B28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
320		C28	B28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
322		C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	26
323		C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	6
324		C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	92
325		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
330		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	118
331		C28	B28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
332		C28	B28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
334		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
342		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	6
343		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	20
364		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
379		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
380		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
381		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
382		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
383		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
384		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
385		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0

386		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
387		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	3
388		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
389		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
390		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
391		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
392		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
393		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	7
394		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	33
395		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
396		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
397		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
398		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
399		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
400		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
401		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	5
402		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
403		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
404		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
405		A28	F28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
406		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
407		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
408		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
409		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
410		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
411		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
412		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
413		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
414		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
415		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
417		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
418		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	94
423		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

424		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
425		E28	C28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	66
428		E28	C28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	16
431		D28	C28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
439		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
440		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
441		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
442		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
443		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
444		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
445		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
446		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
447		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
448		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
449		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
450		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
451		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	129
452		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	227
453		A28	D28	50/1, Bf/2, B/4, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
454		A28	E28	50/1, Bf/2, B/4, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
455		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
456		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	1
457		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
458		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	15
459		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
460		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	15
461		A28	E28	50/1, Bf/2, B/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
462		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	111
463		A28	F28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	7
464		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
465		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	241
466		A28	D28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	12
467		G28	A28	49/1, TC9/1, Af/1, A/2, Bcf/2, xB/1	Normal	117

468		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
469		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
470		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
471		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
472		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
473		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	131
474		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	46
475		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
476		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	5
477		H28	A28	TC42/1, Af/1, A/2, Bcf/2, xB/1	Normal	0
478		F28	A28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, xB/1	Normal	60

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 (%)	Journey Time (s)
16:30-17:30	A	1	(untitled)	E	612	2050	20	718	85	6	29.89	7.95	61.48	35.47
		2	(untitled)	E	603	2050	20	718	84	7	28.40	9.27	69.54	34.15
		3	(untitled)	E	683	2050	20	718	95	-5	50.73	16.56	121.46	56.61
		4	(untitled)	E	416	2050	20	718	58	55	16.70	5.39	38.67	22.71
	Ac	1	(untitled)	D	536	2263	30	1169	46	96	5.28	2.88	17.26	12.46
		2	(untitled)	D	562	2263	30	1127	50	80	3.31	3.63	22.62	12.80
		3	(untitled)	D	286	2263	30	1169	24	268	0.51	0.04	0.28	7.11
	Acf	1	(untitled)		1098	2263	60	2263	49	85	0.75	0.23	1.89	5.97

		2	(untitled)		286	2263	60	2263	13	612	0.12	0.01	0.07	7.36
	Af	1	(untitled)		1215	2050	60	2050	59	52	1.27	0.43	4.62	7.70
		2	(untitled)		683	2050	60	2042	33	169	0.45	1.53	16.57	6.83
		3	(untitled)		416	2050	60	2050	20	344	0.22	0.03	0.28	6.58
	B	1	(untitled)	B	336	2050	12	444	76	19	34.1 9	5.96	36.22	41.29
		2	(untitled)	B	291	2150	12	319	91	-1	68.8 0	7.58	44.87	76.09
		3	(untitled)	B	278	2100	12	412	67	34	30.6 7	4.47	25.76	38.14
		4	(untitled)	B	285	2050	12	444	64	40	28.5 4	4.60	25.84	40.83
	Bc	1	(untitled)	A	806	2050	36	1264	64	41	4.21	4.77	20.62	16.16
		2	(untitled)	A	913	2050	36	1264	72	25	3.67	0.93	4.07	15.50
		3	(untitled)	A	472	2050	36	1264	37	141	0.91	0.14	0.62	12.62
	Bcf	1	(untitled)		1148	2263	60	2263	51	77	0.82	0.26	2.39	5.18
		2	(untitled)		1165	2263	60	2263	51	75	0.84	0.27	2.50	6.18
		3	(untitled)		913	2263	60	2263	40	123	0.54	0.14	1.25	6.48
		4	(untitled)		472	2263	60	2263	21	332	0.21	0.03	0.25	6.50
	Bf	1	(untitled)		627	1800	60	1800	35	158	0.53	0.09	0.23	27.87
		2	(untitled)		563	1800	60	1800	31	188	0.45	0.07	0.18	27.87
	C	1	(untitled)	G	83	2100	16	595	14	545	16.5 7	1.46	6.93	31.10
		2	(untitled)	G	603	2200	16	623	97	-7	88.6 5	21.6 8	101.5 7	103.38
		3	(untitled)	G	244	2050	16	581	42	114	19.7 7	3.34	15.43	34.69
	Cf	1	(untitled)		561	1965	60	1965	29	215	0.37	0.06	0.23	17.72
		2	(untitled)		369	1965	60	1965	19	379	0.21	0.02	0.09	17.72
	D	1	(untitled)	B	253	2050	8	308	82	9	49.5 7	5.47	57.19	53.70
		2	(untitled)	B	124	1850	8	278	45	101	28.4 6	2.50	26.11	32.58
		3	(untitled)	B	234	2250	8	338	69	30	35.9 2	4.21	45.76	39.89
		4	(untitled)	B	275	2250	8	338	81	10	46.4 5	5.71	59.24	50.60
	Dc	1	(untitled)	A	670	2100	42	1505	45	102	1.20	0.34	3.80	7.31
		2	(untitled)	A	776	2100	42	1505	52	75	7.84	6.79	79.79	13.71
		3	(untitled)	A	348	2100	42	1505	23	289	0.49	0.11	1.34	6.13
		4	(untitled)	A	344	2100	42	1505	23	294	0.38	0.04	0.57	5.79
	Dcf	1	(untitled)		582	2050	60	2050	28	217	0.35	0.06	0.49	5.26
		2	(untitled)		948	2100	60	2100	45	99	0.70	0.19	1.63	5.60

		3	(untitled d)		670	2100	60	2100	32	182	0.40	0.07	0.66	6.38
		4	(untitled d)		776	2100	60	2100	37	144	0.50	0.11	0.92	7.96
		5	(untitled d)		348	2100	60	2100	17	443	0.17	0.02	0.14	6.18
		6	(untitled d)		344	2050	60	2050	17	436	0.18	0.02	0.15	8.12
	Df	1	(untitled d)		377	1900	60	1900	20	354	0.23	0.02	0.07	24.23
		2	(untitled d)		509	2250	60	2250	23	298	0.23	0.03	0.10	24.23
	Dxp	1	(untitled d)	D	582	2050	43	1503	39	132	2.17	1.39	17.43	5.60
		2	(untitled d)	D	948	2050	43	1503	63	43	2.15	3.43	41.04	5.76
	Ec	1	(untitled d)	F	499	2150	37	1362	37	146	5.28	2.54	29.12	9.04
		2	(untitled d)	F	472	2263	37	1433	33	173	4.35	3.30	39.14	7.98
		3	(untitled d)	F	518	2263	37	1433	36	149	0.76	0.13	1.55	4.27
		4	(untitled d)	F	269	2250	37	1425	19	377	1.37	0.31	3.89	6.78
	Ecf	1	(untitled d)		761	2100	60	2100	36	148	0.49	0.10	1.29	3.93
		2	(untitled d)		938	2100	60	2100	45	101	0.69	0.18	2.23	4.17
		3	(untitled d)		472	2263	60	2263	21	332	0.21	0.03	0.34	4.29
		4	(untitled d)		518	2300	60	2300	23	300	0.23	0.03	0.40	4.76
		5	(untitled d)		335	2300	60	2300	15	518	0.13	0.01	0.15	5.57
	Ef	1	(untitled d)		764	1900	60	1900	40	124	0.64	0.14	0.61	15.94
		2	(untitled d)		538	1900	60	1900	28	218	0.37	0.06	0.25	15.68
	Exp	1	(untitled d)	L	761	2050	42	1469	52	74	2.61	2.60	28.81	6.50
		2	(untitled d)	L	439	2050	42	1469	30	201	0.66	0.12	1.31	4.69
	F	1	(untitled d)	B	164	2100	9	350	47	92	27.1 2	2.60	17.56	33.50
		2	(untitled d)	B	303	2100	9	350	87	4	53.4 3	7.11	47.68	59.85
		3	(untitled d)	B	285	2100	9	350	81	11	45.0 7	5.78	38.06	51.61
	Fc	1	(untitled d)	A	595	2263	41	1547	38	134	2.88	2.78	8.72	22.09
		2	(untitled d)	A	656	2263	41	1525	43	109	1.35	3.73	11.81	20.38
		3	(untitled d)	A	673	2263	41	1473	46	97	3.23	5.20	16.58	22.81
	Ff	1	(untitled d)		467	1900	60	1900	25	266	0.31	0.04	0.08	33.40
		2	(untitled d)		285	1900	60	1900	15	500	0.17	0.01	0.03	33.21
	G	1	(untitled d)	F	297	2050	16	558	53	69	20.1 2	5.48	20.28	36.10
		2	(untitled d)	F	307	2050	16	558	55	64	23.1 9	7.30	27.64	34.58
	Gf	1	(untitled d)		284	2050	60	2050	14	550	0.14	0.01	0.16	3.18

		2	(untitled)		254	2050	60	2050	12	626	0.12	0.01	0.13	3.13
	xA	1	(untitled)		630	2263	60	1993	32	185	1.24	2.39	5.99	18.46
		2	(untitled)		662	2263	60	2263	29	208	0.33	0.06	0.15	17.58
	xB	1	(untitled)		1507	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	6.64
	xC	1	(untitled)		641	1900	60	860	75	21	13.36	10.35	51.50	22.03
		2	(untitled)		602	1900	60	899	67	34	10.08	9.95	49.34	18.78
	xD	1	(untitled)		582	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.11
		2	(untitled)		948	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.16
	xE	1	(untitled)		761	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		439	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	xF	1	(untitled)		598	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
	Cc1	1	(untitled)	E	639	2050	29	1005	64	42	14.60	8.33	49.96	21.15
	E1	1	(untitled)	G	360	2050	12	444	81	11	38.74	6.80	48.90	44.74
		2	(untitled)	G	404	2200	12	477	85	6	41.96	7.94	57.09	47.96
	Gf1	1	(untitled)		66	692	60	692	10	843	0.27	0.01	0.06	6.01
	Cc2	2	(untitled)	D	503	2150	30	1104	46	98	2.60	1.97	12.38	12.01
		3	(untitled)	D	420	2050	30	1056	40	126	1.21	8.30	52.40	11.10
		4	(untitled)	D	944	2150	30	1103	86	5	17.80	8.39	53.35	23.89
		5	(untitled)	D	550	2050	30	1026	54	68	4.46	2.67	16.96	11.53
		6	(untitled)	D	325	2050	30	1059	31	193	4.99	8.13	53.09	12.66
	E2	3	(untitled)	H	284	2150	12	454	63	44	27.91	4.38	47.28	31.90
		4	(untitled)	H	254	2050	12	444	57	57	26.38	3.84	40.59	30.46
	TC5	2	(untitled)	A	596	2263	41	1622	37	145	3.00	3.00	75.02	5.76
		3	(untitled)	A	662	2263	41	1622	41	120	0.93	0.40	10.11	3.70
		4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	1102	1925	42	1444	76	18	8.36	10.24	64.19	19.36
		2	(untitled)	B	683	1966	42	1475	46	94	3.93	3.81	23.74	14.99
		3	(untitled)	B	361	1947	42	1460	25	264	2.72	1.75	10.85	13.84
	TC35	1	(untitled)	A	34	1900	41	1362	2	3504	1.99	0.15	3.68	4.88
	TC36	1	(untitled)		205	1800	60	1800	11	690	0.13	0.01	0.17	3.16
	TC37	1	(untitled)	J	37	1850	45	1418	3	3350	1.78	0.14	1.87	4.98
	TC38	1	(untitled)		37	455	60	455	8	1007	0.37	0.01	0.37	1.90

	TC39	2	(untitled)		596	2263	60	2263	26	242	0.28	0.05	0.77	2.82
		3	(untitled)		662	2263	60	2263	29	208	0.33	0.06	1.04	2.73
	TC40	2	(untitled)		633	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		662	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	168	1850	8	278	61	49	33.61	2.97	31.21	37.54
	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)		1243	1300	60	1300	96	-6	23.01	7.95	34.19	39.05
	48	1	(untitled)		930	1965	60	1965	47	90	0.82	0.21	2.22	7.44
	49	1	(untitled)		1102	1900	60	1900	58	55	1.31	0.40	8.75	4.45
		2	(untitled)		1044	1900	60	1900	55	64	1.15	0.33	7.33	4.30
	50	1	(untitled)		1190	1900	60	1900	63	44	1.58	0.52	6.25	7.36
	51	1	(untitled)		752	1900	60	1900	40	127	0.62	0.13	1.99	5.12

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	29	1	32	1	7
	2	✓	2	B	12	24	12	1	7
769-2	1	✓	4	D,E,H,I	23	44	21	1	1
	2	✓	5	F,G,J,K	58	8	10	1	7
770-1	1	✓	1	A,C	1	41	40	1	5
	2	✓	2	B	48	56	8	1	7
770-2	1	✓	4	D	18	1	43	1	7
	2	✓	5	E	6	11	5	1	5
770-3	1	✓	7	F,I,J	42	14	32	1	2
	2	✓	9	G,H	25	30	5	1	1
770-4	1	✓	11	L	7	49	42	1	7
	2	✓	12	M	54	0	6	1	6
771-1	1	✓	1	A,C	41	16	35	1	9
	2	✓	3	B	27	36	9	1	7
771-2	1	✓	5	D	38	8	30	1	7
	2	✓	6	E	13	33	20	1	7
TC777-1	1	✓	1	A,B,F	7	48	41	1	7
	2	✓	5	D,H,I	55	1	6	1	6
TC777-2	1	✓	1	J	29	14	45	1	7
	2	✓	2	K	19	24	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	✓	74.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	2	✓	76.69	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0

	3	✓	78.40	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	4	✓	80.11	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Ac	1	✓	95.80	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	92.34	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	87.95	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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	20	0
	2	✓	97.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	20	0
	3	✓	99.69	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	4	✓	102.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Bc	1	✓	132.85	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	2	✓	131.47	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	3	✓	130.10	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
Bcf	1	✓	62.77	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	62.62	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.46	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	62.38	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	20	0
	2	✓	122.73	CTM	0.00	Normal	✓	✓		Directly entered	2200	20	0
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
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	20	0
	2		55.00	CTM	0.00	Normal	✓	✓		Directly entered	1850	20	0
	3	✓	52.87	CTM	0.00	Normal	✓	✓		Directly entered	2250	20	0
	4	✓	55.42	CTM	0.00	Normal	✓	✓		Directly entered	2250	20	0

Dc	1	✓	50.91	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	2	✓	48.96	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	3	✓	47.02	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	4	✓	45.07	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
Dcf	1	✓	65.43	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	65.28	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	65.54	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	67.69	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	66.13	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	6	✓	66.17	CTM	0.00	Normal	✓			Directly entered	2050	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	✓	45.75	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	48.11	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ec	1	✓	50.09	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	46.77	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	4	✓	45.11	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	500
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	✓	46.95	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	47.51	CTM	0.00	Normal	✓			Directly entered	2300	100	100
	5	✓	48.55	CTM	0.00	Normal	✓			Directly entered	2300	100	100
Ef	1	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	1	✓	51.83	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.71	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	1	✓	85.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	3	✓	87.25	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
Fc	1	✓	183.21	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	181.45	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500

	3	✓	180.28	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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	500
	2	✓	151.80	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
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	✓	77.45	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	✓	121.44	NetworkDefault	0.00	Normal						100	100
	2	✓	122.12	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	20	0
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	20	0
Gf1	1	✓	47.81	NetworkDefault	0.00	Normal			✓			100	100
Cc2	2	✓	91.52	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	3	✓	91.11	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	4	✓	90.39	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	5	✓	90.48	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	6	✓	88.08	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
E2	3	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	20	0
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
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	✓	92.21	CTM	0.00	Normal	✓	✓		Sum of lanes	1966	100	100
	3	✓	92.69	CTM	0.00	Normal	✓	✓		Sum of lanes	1947	100	100
TC3 5	1	✓	24.16	CTM	0.00	Normal	✓	✓		Directly entered	1900	100	100
TC3 6	1	✓	25.22	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
TC3 7	1	✓	44.32	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
TC3 8	1	✓	21.32	CTM	0.00	Normal	✓		✓	Directly entered	1850	100	100
TC3 9	2	✓	35.24	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	33.28	CTM	0.00	Normal	✓			Directly entered	2263	100	100
TC4 0	2	✓	58.74	PDM	0.00	Normal						100	100
	3	✓	55.82	PDM	0.00	Normal						100	100
TC4 1	1	✓	54.63	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
TC4 2	1	✓	23.35	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1771	100	100
TC4 3	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	5	0.00	0.00
		2	0	0	5	0.00	0.00
	2	1	0	0	40	0.00	0.00
		2	0	0	40	0.00	0.00
	3	1	0	0	6	0.00	0.00
		2	0	0	6	0.00	0.00
	4	1	0	0	36	0.00	0.00
		2	0	0	36	0.00	0.00
	5	1	0	0	36	0.00	0.00
		2	0	0	36	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	35	0.00	0.00
		2	0	0	35	0.00	0.00

	8	2	0	0	35	0.00	0.00
		1	0	0	32	0.00	0.00
	9	2	0	0	32	0.00	0.00
		1	0	0	13	0.00	0.00
	10	2	0	0	13	0.00	0.00
		1	0	0	18	0.00	0.00
	11	2	0	0	18	0.00	0.00
		1	0	0	27	0.00	0.00
	12	2	0	0	27	0.00	0.00
		1	0	0	27	0.00	0.00
	13	2	0	0	27	0.00	0.00
		1	0	0	8	0.00	0.00
	14	2	0	0	8	0.00	0.00
		1	0	0	42	0.00	0.00
	15	2	0	0	42	0.00	0.00
		1	0	0	0	0.00	0.00
	16	2	0	0	0	0.00	0.00
		1	0	0	6	0.00	0.00
	17	2	0	0	6	0.00	0.00
		1	0	0	5	0.00	0.00
		2	0	0	5	0.00	0.00

Collections

Point to Point Journey Time

Note: Auto Calculate disabled on this Local Matrix (Paths and Flow Allocation might not be up to date).

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	172.4	151.2	109.8	163.8	145.8	154.1	158.3	0.0
	B28	171.0	0.0	85.1	176.4	163.1	134.1	142.9	0.0
	C28	142.8	185.9	0.0	98.8	110.7	107.2	120.0	0.0
	D28	126.7	229.8	181.3	0.0	183.2	94.8	102.3	0.0
	E28	113.7	147.4	164.7	72.9	190.8	106.8	114.1	0.0
	F28	98.4	172.3	135.2	145.0	145.9	0.0	14.3	0.0
	G28	79.0	155.5	143.1	126.3	126.8	169.1	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)
32	C28	E28	91	110.75	526.66	0.00	0.00	0.00	91	110.75	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	387	113.70	693.45	0.00	0.00	0.00	387	113.70	693.45
49	C28	D28	162	98.81	514.00	0.00	0.00	0.00	162	98.81	514.00
50	E28	D28	99	72.87	370.08	0.00	0.00	0.00	99	72.87	370.08
68	E28	G28	119	114.78	737.43	0.00	0.00	0.00	119	114.78	737.43
92	E28	F28	4	106.83	644.57	0.00	0.00	0.00	4	106.83	644.57
100	E28	B28	254	145.09	623.35	0.00	0.00	0.00	254	145.09	623.35
102	A28	C28	288	104.82	694.76	0.00	0.00	0.00	288	104.82	694.76

103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
107	A28	B28	48	151.24	716.08	0.00	0.00	0.00	48	151.24	716.08
110	E28	G28	26	110.78	731.08	0.00	0.00	0.00	26	110.78	731.08
112	F28	G28	37	14.26	149.60	0.00	0.00	0.00	37	14.26	149.60
113	F28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
115	B28	C28	4	86.26	556.36	0.00	0.00	0.00	4	86.26	556.36
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
130	G28	C28	683	145.57	769.88	0.00	0.00	0.00	683	145.57	769.88
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
140	B28	G28	220	142.91	1063.74	0.00	0.00	0.00	220	142.91	1063.74
141	B28	F28	5	134.12	970.89	0.00	0.00	0.00	5	134.12	970.89
142	B28	G28	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	B28	G28	2	145.74	1054.40	0.00	0.00	0.00	2	145.74	1054.40
145	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
146	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
147	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
148	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
149	B28	A28	17	170.96	1016.14	0.00	0.00	0.00	17	170.96	1016.14
150	E28	B28	284	149.41	625.89	0.00	0.00	0.00	284	149.41	625.89
151	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
152	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
153	F28	B28	14	172.31	750.62	0.00	0.00	0.00	14	172.31	750.62
154	E28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
155	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
156	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	A28	G28	282	156.98	1196.15	0.00	0.00	0.00	282	156.98	1196.15
159	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
160	B28	D28	153	176.35	698.10	0.00	0.00	0.00	153	176.35	698.10
161	B28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
162	B28	D28	4	176.35	699.36	0.00	0.00	0.00	4	176.35	699.36
163	B28	E28	14	163.19	714.28	0.00	0.00	0.00	14	163.19	714.28
164	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
165	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
166	B28	C28	79	85.06	553.47	0.00	0.00	0.00	79	85.06	553.47
167	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
168	G28	A28	612	78.32	386.06	0.00	0.00	0.00	612	78.32	386.06
169	G28	B28	32	158.30	788.72	0.00	0.00	0.00	32	158.30	788.72
170	G28	B28	247	155.16	789.10	0.00	0.00	0.00	247	155.16	789.10
171	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
172	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
173	F28	D28	40	145.01	871.57	0.00	0.00	0.00	40	145.01	871.57
174	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
175	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
176	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
177	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
178	B28	E28	325	163.09	710.57	0.00	0.00	0.00	325	163.09	710.57
179	B28	E28	107	163.09	711.82	0.00	0.00	0.00	107	163.09	711.82
180	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
181	F28	C28	39	135.16	729.68	0.00	0.00	0.00	39	135.16	729.68
182	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
183	A28	E28	7	165.73	854.82	0.00	0.00	0.00	7	165.73	854.82
184	C28	A28	11	129.84	834.22	0.00	0.00	0.00	11	129.84	834.22

185	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
186	A28	C28	31	155.12	699.04	0.00	0.00	0.00	31	155.12	699.04
187	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
188	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
189	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
190	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
191	D28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
192	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
193	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
194	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
195	D28	G28	120	102.35	744.99	0.00	0.00	0.00	120	102.35	744.99
196	D28	F28	7	94.83	652.14	0.00	0.00	0.00	7	94.83	652.14
197	D28	G28	37	102.10	740.41	0.00	0.00	0.00	37	102.10	740.41
198	D28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
199	D28	B28	298	225.79	1101.39	0.00	0.00	0.00	298	225.79	1101.39
200	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
201	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
202	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
203	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
205	A28	E28	160	121.17	857.96	0.00	0.00	0.00	160	121.17	857.96
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
246	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
248	D28	C28	230	181.29	1078.32	0.00	0.00	0.00	230	181.29	1078.32
249	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
252	F28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
283	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
284	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
285	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
286	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
307	G28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
317	C28	G28	223	122.94	870.70	0.00	0.00	0.00	223	122.94	870.70
318	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
319	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
320	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
322	C28	G28	26	114.76	880.26	0.00	0.00	0.00	26	114.76	880.26
323	C28	F28	6	107.24	787.41	0.00	0.00	0.00	6	107.24	787.41
324	C28	G28	92	114.51	875.68	0.00	0.00	0.00	92	114.51	875.68
325	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
330	C28	A28	118	141.40	834.99	0.00	0.00	0.00	118	141.40	834.99
331	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
332	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
334	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
342	C28	B28	6	198.54	756.38	0.00	0.00	0.00	6	198.54	756.38
343	C28	B28	20	181.84	753.20	0.00	0.00	0.00	20	181.84	753.20
364	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
379	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
380	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
381	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
382	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
383	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
384	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
385	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
386	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
387	A28	A28	3	175.82	1157.89	0.00	0.00	0.00	3	175.82	1157.89
388	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

389	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
390	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
391	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
392	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
393	D28	B28	7	261.14	1451.24	0.00	0.00	0.00	7	261.14	1451.24
394	D28	B28	33	258.63	1448.06	0.00	0.00	0.00	33	258.63	1448.06
395	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
396	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
397	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
398	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
399	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
400	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
401	G28	F28	5	169.10	1180.56	0.00	0.00	0.00	5	169.10	1180.56
402	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
403	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
404	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
405	A28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
406	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
407	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
408	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
409	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
410	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
411	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
412	F28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
413	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
414	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
415	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
417	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
418	G28	C28	94	124.89	767.78	0.00	0.00	0.00	94	124.89	767.78
423	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
424	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
425	E28	C28	66	162.36	1070.52	0.00	0.00	0.00	66	162.36	1070.52
428	E28	C28	16	174.18	1069.36	0.00	0.00	0.00	16	174.18	1069.36
431	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
439	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
440	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
441	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
442	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
443	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
444	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
445	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
446	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
447	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
448	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
449	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
450	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
451	G28	D28	129	126.27	910.65	0.00	0.00	0.00	129	126.27	910.65
452	G28	E28	227	126.75	925.57	0.00	0.00	0.00	227	126.75	925.57
453	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
454	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
455	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
456	E28	E28	1	190.83	1219.72	0.00	0.00	0.00	1	190.83	1219.72
457	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
458	D28	E28	15	183.16	1232.00	0.00	0.00	0.00	15	183.16	1232.00
459	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
460	F28	E28	15	145.89	886.49	0.00	0.00	0.00	15	145.89	886.49

461	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
462	A28	G28	111	161.66	1205.17	0.00	0.00	0.00	111	161.66	1205.17
463	A28	F28	7	154.14	1112.32	0.00	0.00	0.00	7	154.14	1112.32
464	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
465	A28	E28	241	161.72	852.36	0.00	0.00	0.00	241	161.72	852.36
466	A28	D28	12	163.85	839.90	0.00	0.00	0.00	12	163.85	839.90
467	G28	A28	117	82.61	388.25	0.00	0.00	0.00	117	82.61	388.25
468	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
469	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
470	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
471	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
472	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
473	C28	A28	131	145.20	831.37	0.00	0.00	0.00	131	145.20	831.37
474	E28	A28	46	114.08	690.99	0.00	0.00	0.00	46	114.08	690.99
475	E28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
476	D28	A28	5	129.94	700.92	0.00	0.00	0.00	5	129.94	700.92
477	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
478	F28	A28	60	98.54	350.15	0.00	0.00	0.00	60	98.54	350.15

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 greens (s per cycle)	Wasted time total (s per cycle)	Degree of saturation (%)	Practical reserve capacity (%)	Journey Time (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	612	2050	20	0.00	85	6	35.47	29.89	77.15	7.95	20	0	0.00	14.43
	2	(untitled)	6	771-2	E	603	2050	20	0.00	84	7	34.15	28.40	84.50	9.27	20	0	0.00	13.51
	3	(untitled)	6	771-2	E	683 <	2050	20	0.00	95	-5	56.61	50.73	119.82	16.56 +	20	0	0.00	27.34
	4	(untitled)	6	771-2	E	416	2050	20	0.00	58	55	22.71	16.70	65.98	5.39	20	0	0.00	5.48
Ac	1	(untitled)	6	771-2	D	536	2263	30	12.00	46	96	12.46	5.28	31.74	2.88	100	500	0.00	38.46
	2	(untitled)	6	771-2	D	562	2263	30	6.13	50	80	12.80	3.31	25.10	3.63	100	500	0.00	19.36
	3	(untitled)	6	771-2	D	286	2263	30	21.00	24	268	7.11	0.51	0.88	0.04	100	500	0.00	0.98
Ac f	1	(untitled)	6			1098	2263	60	27.00	49	85	5.97	0.75	0.00	0.23	100	100	0.00	3.24
	2	(untitled)	6			286	2263	60	50.00	13	612	7.36	0.12	0.00	0.01	100	100	0.00	0.13
Af	1	(untitled)	6			1215	2050	60	6.00	59	52	7.70	1.27	0.00	0.43	100	100	0.00	6.11
	2	(untitled)	6			683	2050	60	15.24	33	169	6.83	0.45	1.46	1.53	100	100	0.00	1.34
	3	(untitled)	6			416	2050	60	9.00	20	344	6.58	0.22	0.00	0.03	100	100	0.00	0.37
B	1	(untitled)	1	769-1	B	336	2050	12	0.00	76	19	41.29	34.19	103.45	5.96	20	0	0.00	9.06

	2	(untitled)	1	769-1	B	291	2150	12	4.11	91	-1	76.09	68.80	144.01	7.58	20	0	0.00	15.79
	3	(untitled)	1	769-1	B	278	2100	12	1.22	67	34	38.14	30.67	95.88	4.47	20	0	0.00	6.73
	4	(untitled)	1	769-1	B	285	2050	12	0.00	64	40	40.83	28.54	96.57	4.60	20	0	0.00	6.42
Bc	1	(untitled)	1	769-1	A	806	2050	36	6.00	64	41	16.16	4.21	24.91	4.77	100	500	0.00	35.74
	2	(untitled)	1	769-1	A	913	2050	36	6.00	72	25	15.50	3.67	0.00	0.93	100	500	0.00	13.21
	3	(untitled)	1	769-1	A	472	2050	36	7.00	37	141	12.62	0.91	1.78	0.14	100	500	0.00	2.63
Bc f	1	(untitled)	1			1148	2263	60	20.00	51	77	5.18	0.82	0.00	0.26	100	100	0.00	3.70
	2	(untitled)	1			1165	2263	60	13.00	51	75	6.18	0.84	0.00	0.27	100	100	0.00	3.87
	3	(untitled)	1			913	2263	60	29.00	40	123	6.48	0.54	0.00	0.14	100	100	0.00	1.94
	4	(untitled)	1			472	2263	60	31.00	21	332	6.50	0.21	0.00	0.03	100	100	0.00	0.39
Bf	1	(untitled)	1			627	1800	60	0.00	35	158	27.87	0.53	0.00	0.09	100	100	0.00	1.32
	2	(untitled)	1			563	1800	60	0.00	31	188	27.87	0.45	0.00	0.07	100	100	0.00	1.01
C	1	(untitled)	2	769-2	G	83	2100	16	0.00	14	545	31.10	16.57	72.48	1.46	20	0	0.00	1.08
	2	(untitled)	2	769-2	G	603 <	2200	16	0.00	97	-7	103.38	88.65	204.07	21.68 +	20	0	0.00	42.17
	3	(untitled)	2	769-2	G	244	2050	16	0.00	42	114	34.69	19.77	81.95	3.34	20	0	0.00	3.81
Cf	1	(untitled)	2			561	1965	60	0.00	29	215	17.72	0.37	0.00	0.06	100	100	0.00	0.81
	2	(untitled)	2			369	1965	60	0.00	19	379	17.72	0.21	0.00	0.02	100	100	0.00	0.31
D	1	(untitled)	3	770-1	B	253	2050	8	0.00	82	9	53.70	49.57	125.73	5.47	20	0	0.00	9.89
	2	(untitled)	3	770-1	B	124	1850	8	0.00	45	101	32.58	28.46	93.48	2.50	20	0	0.00	2.78
	3	(untitled)	3	770-1	B	234	2250	8	0.00	69	30	39.89	35.92	106.96	4.21	20	0	0.00	6.63
	4	(untitled)	3	770-1	B	275	2250	8	0.00	81	10	50.60	46.45	121.48	5.71	20	0	0.00	10.08
Dc	1	(untitled)	3	770-1	A	670	2100	42	13.00	45	102	7.31	1.20	3.00	0.34	100	500	0.00	4.43
	2	(untitled)	3	770-1	A	776	2100	42	6.00	52	75	13.71	7.84	52.52	6.79	100	500	0.00	49.54
	3	(untitled)	3	770-1	A	348	2100	42	17.00	23	289	6.13	0.49	1.89	0.11	100	500	0.00	1.08
	4	(untitled)	3	770-1	A	344	2100	42	26.00	23	294	5.79	0.38	0.78	0.04	100	500	0.00	0.68
Dc f	1	(untitled)	3			582	2050	60	16.00	28	217	5.26	0.35	0.00	0.06	100	100	0.00	0.80
	2	(untitled)	3			948	2100	60	30.00	45	99	5.60	0.70	0.00	0.19	100	100	0.00	2.63
	3	(untitled)	3			670	2100	60	30.00	32	182	6.38	0.40	0.00	0.07	100	100	0.00	1.06
	4	(untitled)	3			776	2100	60	13.00	37	144	7.96	0.50	0.00	0.11	100	100	0.00	1.54
	5	(untitled)	3			348	2100	60	35.00	17	443	6.18	0.17	0.00	0.02	100	100	0.00	0.23

	6	(untitled)	3			344	2050	60	43.00	17	436	8.12	0.18	0.00	0.02	100	100	0.00	0.24
Df	1	(untitled)	3-2			377	1900	60	0.00	20	354	24.23	0.23	0.00	0.02	100	100	0.00	0.35
	2	(untitled)	3-2			509	2250	60	0.00	23	298	24.23	0.23	0.00	0.03	100	100	0.00	0.47
Dxp	1	(untitled)	3-2	770-2	D	582	2050	43	9.00	39	132	5.60	2.17	13.72	1.39	100	100	0.00	7.54
	2	(untitled)	3-2	770-2	D	948	2050	43	9.00	63	43	5.76	2.15	7.88	3.43	100	100	0.00	10.45
Ec	1	(untitled)	4	770-3	F	499	2150	37	10.00	37	146	9.04	5.28	30.18	2.54	100	500	0.00	34.57
	2	(untitled)	4	770-3	F	472	2263	37	17.00	33	173	7.98	4.35	36.30	3.30	100	500	0.00	35.59
	3	(untitled)	4	770-3	F	518	2263	37	19.00	36	149	4.27	0.76	1.46	0.13	100	500	0.00	2.77
	4	(untitled)	4	770-3	F	269	2250	37	28.00	19	377	6.78	1.37	6.81	0.31	100	500	0.00	2.60
Ecf	1	(untitled)	4			761	2100	60	21.00	36	148	3.93	0.49	0.00	0.10	100	100	0.00	1.46
	2	(untitled)	4			938	2100	60	14.00	45	101	4.17	0.69	0.00	0.18	100	100	0.00	2.56
	3	(untitled)	4			472	2263	60	25.00	21	332	4.29	0.21	0.00	0.03	100	100	0.00	0.39
	4	(untitled)	4			518	2300	60	41.00	23	300	4.76	0.23	0.00	0.03	100	100	0.00	0.46
	5	(untitled)	4			335	2300	60	43.00	15	518	5.57	0.13	0.00	0.01	100	100	0.00	0.18
Ef	1	(untitled)	4			764	1900	60	0.00	40	124	15.94	0.64	0.00	0.14	100	100	0.00	1.92
	2	(untitled)	4			538	1900	60	0.00	28	218	15.68	0.37	0.00	0.06	100	100	0.00	0.79
Exp	1	(untitled)	4-2	770-4	L	761	2050	42	11.00	52	74	6.50	2.61	14.13	2.60	100	100	0.00	11.30
	2	(untitled)	4-2	770-4	L	439	2050	42	19.00	30	201	4.69	0.66	1.67	0.12	100	100	0.00	1.38
F	1	(untitled)	5	771-1	B	164	2100	9	0.00	47	92	33.50	27.12	92.84	2.60	20	0	0.00	3.51
	2	(untitled)	5	771-1	B	303	2100	9	0.00	87	4	59.85	53.43	130.18	7.11	20	0	0.00	12.77
	3	(untitled)	5	771-1	B	285	2100	9	0.00	81	11	51.61	45.07	118.72	5.78	20	0	0.00	10.13
Fc	1	(untitled)	5	771-1	A	595	2263	41	11.98	38	134	22.09	2.88	31.02	2.78	100	500	0.00	21.98
	2	(untitled)	5	771-1	A	656	2263	41	11.56	43	109	20.38	1.35	17.25	3.73	100	500	0.00	12.81
	3	(untitled)	5	771-1	A	673	2263	41	21.94	46	97	22.81	3.23	23.73	5.20	100	500	0.00	20.85
Ff	1	(untitled)	5			467	1900	60	0.00	25	266	33.40	0.31	0.00	0.04	100	100	0.00	0.57
	2	(untitled)	5			285	1900	60	0.00	15	500	33.21	0.17	0.00	0.01	100	100	0.00	0.19
G	1	(untitled)	2	769-2	F	297	2050	16	7.66	53	69	36.10	20.12	107.53	5.48	100	500	0.00	50.82
	2	(untitled)	2	769-2	F	307	2050	16	2.66	55	64	34.58	23.19	109.62	7.30	100	500	0.00	82.09
Gf	1	(untitled)	4			284	2050	60	47.00	14	550	3.18	0.14	0.24	0.01	100	100	0.00	0.18
	2	(untitled)	4			254	2050	60	47.00	12	626	3.13	0.12	0.00	0.01	100	100	0.00	0.12
xA	1	(untitled)	10			630	2263	60	30.15	32	185	18.46	1.24	14.36	2.39	100	100	0.00	5.98

	2	(untitled)	10			662	2263	60	25.00	29	208	17.58	0.33	0.00	0.06	100	100	0.00	0.86
xB	1	(untitled)				1507	Unrestricted	60	0.00	0	Unrestricted	6.64	0.00	0.00	0.00	100	100	0.00	0.00
xC	1	(untitled)				641	1900	60	38.85	75	21	22.03	13.36	69.53	10.35	100	100	0.00	48.08
	2	(untitled)				602	1900	60	38.62	67	34	18.78	10.08	70.50	9.95	100	100	0.00	37.55
xD	1	(untitled)				582	Unrestricted	60	12.00	0	Unrestricted	9.11	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				948	Unrestricted	60	15.00	0	Unrestricted	9.16	0.00	0.00	0.00	100	100	0.00	0.00
xE	1	(untitled)				761	Unrestricted	60	5.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				439	Unrestricted	60	13.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	1	(untitled)				598	Unrestricted	60	0.00	0	Unrestricted	12.19	0.00	0.00	0.00	100	100	0.00	0.00
Cc 1	1	(untitled)	2	769-2	E	639	2050	29	2.59	64	42	21.15	14.60	67.21	8.33	100	100	0.00	53.65
E1	1	(untitled)	4	770-3	G	360	2050	12	0.00	81	11	44.74	38.74	110.91	6.80	20	0	0.00	11.00
	2	(untitled)	4	770-3	G	404	2200	12	0.00	85	6	47.96	41.96	115.43	7.94	20	0	0.00	13.37
Gf 1	1	(untitled)	4			66	692	60	44.00	10	843	6.01	0.27	0.00	0.01	100	100	0.00	0.07
Cc 2	2	(untitled)	2	769-2	D	503	2150	30	4.19	46	98	12.01	2.60	7.56	1.97	100	500	0.00	8.60
	3	(untitled)	2	769-2	D	420	2050	30	18.09	40	126	11.10	1.21	4.26	8.30	100	500	0.00	3.46
	4	(untitled)	2	769-2	D	944	2150	30	3.23	86	5	23.89	17.80	53.87	8.39	100	500	0.00	168.04
	5	(untitled)	2	769-2	D	550	2050	30	4.96	54	68	11.53	4.46	18.39	2.67	100	500	0.00	27.17
	6	(untitled)	2	769-2	D	325	2050	30	20.00	31	193	12.66	4.99	66.65	8.13	100	500	0.00	32.98
E2	3	(untitled)	4	770-3	H	284	2150	12	0.33	63	44	31.90	27.91	92.25	4.38	20	0	0.00	6.25
	4	(untitled)	4	770-3	H	254	2050	12	0.00	57	57	30.46	26.38	90.40	3.84	20	0	0.00	5.29
TC 5	2	(untitled)	TC 771-6	TC77 7-1	A	596	2263	41	19.00	37	145	5.76	3.00	30.24	3.00	100	100	0.00	9.31
	3	(untitled)	TC 771-6	TC77 7-1	A	662	2263	41	13.00	41	120	3.70	0.93	3.66	0.40	100	100	0.00	2.74
	4	(untitled)	TC 771-6	TC77 7-1	C	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC 9	1	(untitled)	TC 771-6	TC77 7-1	B	1102	1925	42	0.00	76	18	19.36	8.36	51.76	10.24	100	100	0.00	43.49
	2	(untitled)	TC 771-6	TC77 7-1	B	683	1966	42	0.00	46	94	14.99	3.93	33.30	3.81	100	100	0.00	13.43
	3	(untitled)	TC 771-6	TC77 7-1	B	361	1947	42	0.00	25	264	13.84	2.72	28.68	1.75	100	100	0.00	5.16
TC 35	1	(untitled)	TC 771-6	TC77 7-1	A	34	1900	41	28.00	2	3504	4.88	1.99	27.29	0.15	100	100	0.00	0.38
TC 36	1	(untitled)	TC 771-6			205	1800	60	0.00	11	690	3.16	0.13	0.00	0.01	100	100	0.00	0.10

TC 37	1	(untitled)	TC 771-6	TC77 7-2	J	37	1850	45	45.00	3	3350	4.98	1.78	23.39	0.14	100	100	0.00	0.56
TC 38	1	(untitled)	TC 771-6			37	455	60	57.00	8	1007	1.90	0.37	2.25	0.01	100	100	0.00	0.08
TC 39	2	(untitled)	TC 771-6			596	2263	60	36.00	26	242	2.82	0.28	0.00	0.05	100	100	0.00	0.67
	3	(untitled)	TC 771-6			662	2263	60	30.00	29	208	2.73	0.33	0.00	0.06	100	100	0.00	0.86
TC 40	2	(untitled)	TC 771-6			633	Unrestricted	60	16.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC 771-6			662	Unrestricted	60	18.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
TC 41	1	(untitled)	TC 771-6	TC77 7-1	D	168	1850	8	0.00	61	49	37.54	33.61	102.82	2.97	100	100	0.00	28.29
TC 42	1	(untitled)	TC 771-6	TC77 7-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC 43	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			1243	1300	60	2.00	96	-6	39.05	23.01	0.00	7.95	100	100	0.00	112.83
48	1	(untitled)	2			930	1965	60	0.00	47	90	7.44	0.82	0.00	0.21	100	100	0.00	3.02
49	1	(untitled)	TC 771-6			1102	1900	60	0.00	58	55	4.45	1.31	0.00	0.40	100	100	0.00	5.67
	2	(untitled)	TC 771-6			1044	1900	60	0.00	55	64	4.30	1.15	0.00	0.33	100	100	0.00	4.75
50	1	(untitled)	1			1190	1900	60	0.00	63	44	7.36	1.58	0.00	0.52	100	100	0.00	7.43
51	1	(untitled)	4-2			752	1900	60	0.00	40	127	5.12	0.62	0.00	0.13	100	100	0.00	1.84

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 saturation 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	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3-2	770-2	E	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
2	1	(untitled)	3	770-1	C	0	11000	40	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3	770-1	C	0	11000	40	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
3	1	(untitled)	4-2	770-4	M	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4-2	770-4	M	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
4	1	(untitled)	4	770-3	J	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

	2	(untitled)	4	770-3	J	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	1	(untitled)	4	770-3	I	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	I	0	11000	36	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	35	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	35	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
8	1	(untitled)	1	769-1	C	0	11000	32	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	1	769-1	C	0	11000	32	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
9	1	(untitled)	2	769-2	J	0	11000	13	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	J	0	11000	13	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
10	1	(untitled)	2	769-2	K	0	11000	18	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	K	0	11000	18	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	1	(untitled)		769-2	H	0	11000	27	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	27	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	1	(untitled)	2	769-2	I	0	11000	27	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	27	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	42	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	F	0	11000	42	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	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

[illegible]

TOTAL	5692.23	279.42	20.37	128.60	875.98	490.14	0.00	1366.12

- < = 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 © Copyright TRL Limited, 2019	
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Filename: M62 JN 28 CRF Scheme_Mar 20_PF_Sept 20_RevC_mitigation
DS_optA+D_2019+Dev_03.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Option A+D
Report generation date: 24/01/2021 16:06:40

»Network Diagrams
 «A15 - AM Base 2019+Dev : D15 - AM 2019+Dev, :
 »Summary
 »Network Options
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 »Pedestrian Crossings
 »Local OD Matrix - Local Matrix: 1
 »Signal Timings
 »Results - Link
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 »Data Entry - Stage Start and End
 »Data Entry - Phase
 »Data Entry - Traffic Stream
 »Data entry - Link
 »Results - Pedestrian
 »Collections
 »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
AM Base 2019+Dev - AM 2019+Dev						
Network	A15 D15	120	1497.05	121.26	92% (TS Fc/2)	1 (1%)

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

Enabl e contro ller offset s	Enable fuel consumption	Ena ble quic k flare s	Displ ay jour ney time results	Displa y OD matrix distances	Displ ay level of service results	Displa y blocki ng and starva tion results	Displ ay end of red and green que ue results	Displ ay exce ss que ue results	Displ ay separ ate unifor m and rando m results	Display unweig hted results	Displa y TRAN SYT 12 style timing s	Displ ay effect ive green s in result s	Displ ay Red- With- Amb er	Displ ay End- Of- Green Amb er	Display control ler phase minimu ms

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

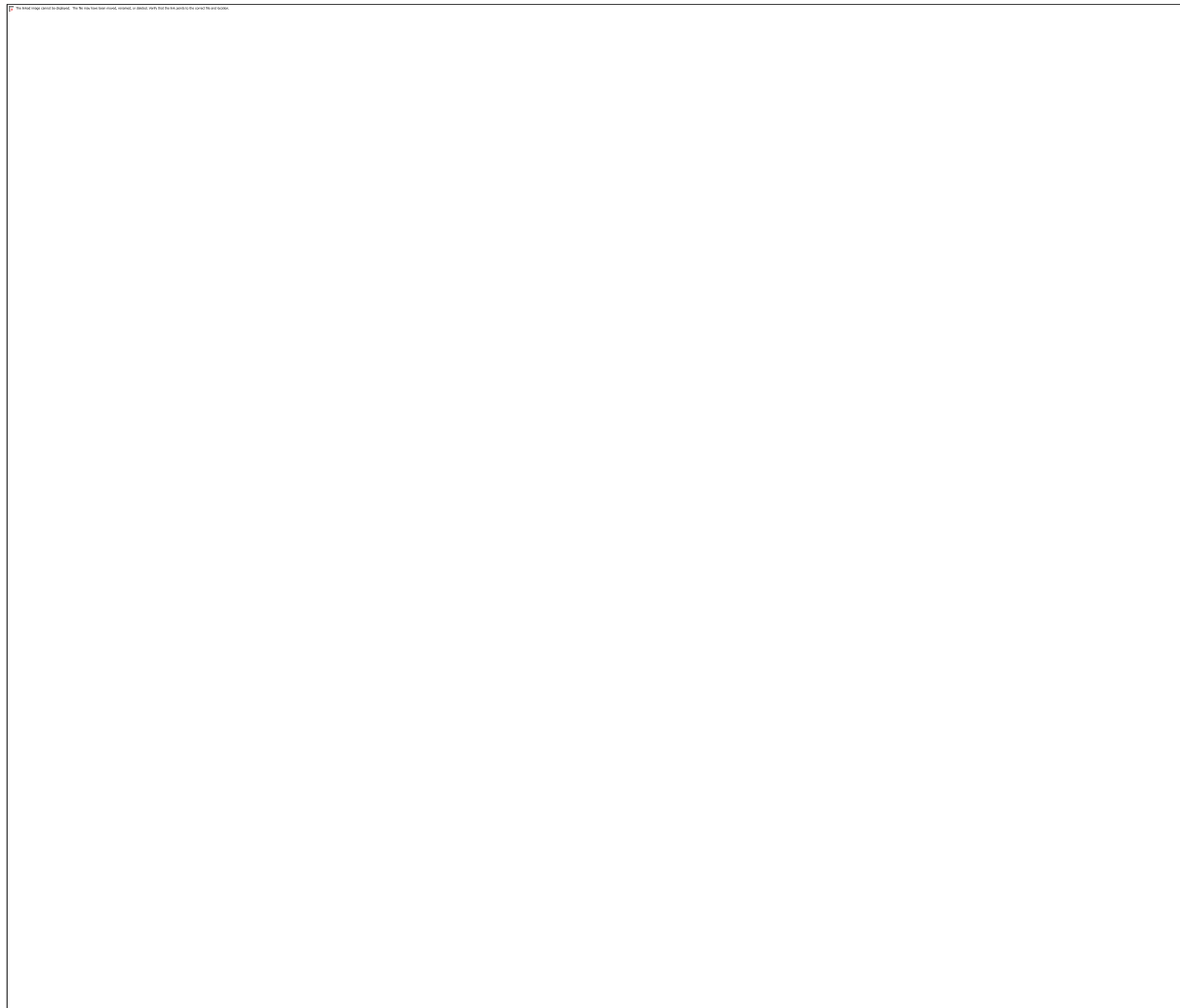
Sorting

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



A15 - AM Base 2019+Dev D15 - AM 2019+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	Local Matrix	Local Matrix 1	Local Matrix 1: Auto Calculate option is switched off - OD flows will not be allocated automatically to the network.
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)	Modeling 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 over all PRC	Network within capacity
15	24/01/2021 16:05:40	24/01/2021 16:05:44	4.85	07:30	120	1497.05	121.26	92.20	Fc/2	1	1	TC42/1	50/1	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 2019+Dev			✓	D15		✓	

Demand Set Details

Scenario name	Time Period name	Description	Composite	Demand sets	Start time (HH:mm)	Locked	Run automatically
AM 2019+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

Resoluti on	DOS Thresho ld (%)	Cruis e scalini ng factor (%)	Use link stop weightin gs	Use link delay weightin gs	Exclude pedestria ns from traffic model	Exclude pedestria ns from results calculatio n	Rando m delay mode	Type of Vehicle- in- Service	Type of random paramet er	PCU Lengt h (m)	Calculat e results for Path Segmen ts	Genera te PDM Profile Data
1	90	100	✓	✓			Compl ex	Uniform (TRANSY T)	Uniform (TRANSY T)	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		✓	769-1, 769-2, 770-1, 770-2, 770-3, 770-4, 771-1, 771-2, 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-calculated 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	✓	74.35	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.69	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.40	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.11	✓	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)		✓	62.77	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	62.62	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.46	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.38	✓	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	✓	122.73	✓	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	
	4	(untitled)	Leeds/M62/Wake	✓	55.42	✓	Directly entered	2250		2250	✓		Normal	
Dc	1	(untitled)	Brad	✓	50.91	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.96	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	47.02	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	45.07	✓	Directly entered	2100		2100	✓		Normal	
Dcf	1	(untitled)		✓	65.43	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	65.28	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	65.54	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	67.69	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	66.13	✓	Directly entered	2100		2100			Normal	
	6	(untitled)		✓	66.17	✓	Directly entered	2050		2050			Normal	
Df	1	(untitled)			200.00	✓	Sum of lanes	1900					Normal	
	2	(untitled)			200.00	✓	Directly entered	2250					Normal	
Dxp	1	(untitled)		✓	45.75	✓	Directly entered	2050			✓		Normal	
	2	(untitled)		✓	48.11	✓	Directly entered	2050			✓		Normal	
Ec	1	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal	
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)	M62E	✓	45.11	✓	Directly entered	2250		2250	✓		Normal	
Ecf	1	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal	
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	46.95	✓	Directly entered	2263		2263			Normal	
	4	(untitled)		✓	47.51	✓	Directly entered	2300		2300			Normal	
	5	(untitled)		✓	48.55	✓	Directly entered	2300		2300			Normal	
Ef	1	(untitled)		✓	127.54	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal	
Exp	1	(untitled)		✓	51.83	✓	Directly entered	2050		2100	✓		Normal	
	2	(untitled)		✓	53.71	✓	Directly entered	2050		2100	✓		Normal	

F	1	(untitled)	Leeds	✓	85.13	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.25	✓	Directly entered	2100		2100	✓		Normal	
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)		✓	77.45								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)		✓	121.44								Normal	
	2	(untitled)		✓	122.12								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)		✓	47.81							✓	Normal	
Cc2	2	(untitled)	Dews	✓	91.52	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	91.11	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	90.39	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	90.48	✓	Directly entered	2050		2050	✓		Normal	
	6	(untitled)	Leeds	✓	88.08	✓	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)		✓	92.21	✓	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	

[illegible]

[illegible]

[illegible]

[illegible]

TC3 6	1	1	(untitled)												1800
TC3 7	1	1	(untitled)												
TC3 8	1	1	(untitled)												
TC3 9	2	1	(untitled)												
	3	1	(untitled)												
TC4 0	2	1	(untitled)												
	3	1	(untitled)												
TC4 1	1	1	(untitled)												
TC4 2	1	1	(untitled)		✓	N/A	Average	0	3.00	✓	0	9.44	✓		1771
TC4 3	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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Ac	1	CTM	500	100	100		0.00	✓	16.50	9999.00				
	2	CTM	50	100	100		0.00	✓	16.50	9999.00				
	3	CTM	500	100	100		0.00	✓	16.50	9999.00				
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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Bc	1	CTM	500	100	100		0.00	✓	22.50	9999.00				

	2	CTM	500	100	100		0.00	✓	22.50	9999.00				
	3	CTM	500	100	100		0.00	✓	22.50	9999.00				
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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
Cf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
D	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Dc	1	CTM	500	100	100		0.00	✓	8.00	9999.00				
	2	CTM	500	100	100		0.00	✓	8.00	9999.00				
	3	CTM	500	100	100		0.00	✓	8.00	9999.00				
	4	CTM	500	100	100		0.00	✓	8.00	9999.00				
Dcf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
	6	CTM	100	100	100		0.00							
Df	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
Dx P	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
Ec	1	CTM	500	100	100		0.00	✓	8.00	9999.00				
	2	CTM	500	100	100		0.00	✓	8.00	9999.00				
	3	CTM	500	100	100		0.00	✓	8.00	9999.00				
	4	CTM	500	100	100		0.00	✓	8.00	9999.00				
Ecf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
Ef	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
Exp	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							

F	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
Fc	1	CTM	500	100	100		0.00	✓	32.0 0	9999. 00				
	2	CTM	500	100	100		0.00	✓	32.0 0	9999. 00				
	3	CTM	500	100	100		0.00	✓	32.0 0	9999. 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	500	100	100		0.00	✓	26.0 0	9999. 00				
	2	CTM	500	100	100		0.00	✓	26.0 0	9999. 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	NetworkDe fault	100	100	100		0.00							
xC	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xD	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
xE	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
xF	1	NetworkDe fault	100	100	100		0.00							
Cc1	1	CTM	100	100	100		0.00							
E1	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
Gf1	1	NetworkDe fault	100	100	100		0.00							
Cc2	2	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	3	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	4	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	5	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	6	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
E2	3	CTM	0	20	100		0.00							
	4	CTM	0	20	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	NetworkDe fault	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	NetworkDe fault	100	100	100		0.00							
TC 43	1	NetworkDe fault	100	100	100		0.00							
47	1	CTM	100	100	100		0.00							
48	1	NetworkDe fault	100	100	100		0.00							
49	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
50	1	NetworkDe fault	100	100	100		0.00							
51	1	NetworkDe fault	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	278	278
	2	275	275
	3	277	277
	4	275	275
Ac	1	616	616
	2	664	664
	3	322	322
Acf	1	1279	1279
	2	322	322
Af	1	553	553
	2	277	277
	3	275	275
B	1	407	407
	2	434	434
	3	425	425
	4	436	436
Bc	1	463	463

	2	587	587
	3	287	287
Bcf	1	893	893
	2	939	939
	3	587	587
	4	287	287
Bf	1	841	841
	2	861	861
C	1	87	87
	2	322	322
	3	509	509
Cf	1	369	369
	2	549	549
D	1	469	469
	2	431	431
	3	543	543
	4	571	571
Dc	1	544	544
	2	572	572
	3	724	724
	4	672	672
Dcf	1	580	580
	2	498	498
	3	544	544
	4	572	572
	5	724	724
	6	672	672
Df	1	900	900
	2	1114	1114
Dxp	1	580	580
	2	498	498
Ec	1	684	684
	2	1155	1155
	3	1181	1181
	4	571	571
Ecf	1	703	703
	2	882	882
	3	1155	1155
	4	1181	1181
	5	605	605
Ef	1	805	805
	2	449	449
Exp	1	703	703
	2	198	198
F	1	261	261
	2	239	239
	3	248	248
Fc	1	1324	1324
	2	1331	1331
	3	1007	1007
Ff	1	500	500
	2	248	248
G	1	236	236
	2	247	247
Gf	1	236	236

	2	213	213
xA	1	1462	1462
	2	1347	1347
xB	1	1369	1369
xC	1	453	453
	2	398	398
xD	1	580	580
	2	498	498
xE	1	703	703
	2	198	198
xF	1	734	734
Cc1	1	368	368
E1	1	369	369
	2	436	436
Gf1	1	34	34
Cc2	2	502	502
	3	533	533
	4	489	489
	5	712	712
	6	436	436
E2	3	236	236
	4	213	213
TC5	2	1257	1257
	3	1347	1347
	4	0	0
TC9	1	535	535
	2	277	277
	3	265	265
TC35	1	205	205
TC36	1	41	41
TC37	1	13	13
TC38	1	13	13
TC39	2	1257	1257
	3	1347	1347
TC40	2	1270	1270
	3	1347	1347
TC41	1	28	28
TC42	1	0	0
TC43	1	0	0
47	1	851	851
48	1	918	918
49	1	539	539
	2	539	539
50	1	1702	1702
51	1	748	748

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	
	4	770-1	B	
Dc	1	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
Dxp	1	770-2	D	
	2	770-2	D	
Ec	1	770-3	F	
	2	770-3	F	
	3	770-3	F	
	4	770-3	F	
Exp	1	770-4	L	
	2	770-4	L	
F	1	771-1	B	
	2	771-1	B	
	3	771-1	B	
Fc	1	771-1	A	
	2	771-1	A	
	3	771-1	A	
G	1	769-2	F	
	2	769-2	F	
Cc1	1	769-2	E	
E1	1	770-3	G	
	2	770-3	G	
Cc2	2	769-2	D	
	3	769-2	D	
	4	769-2	D	
	5	769-2	D	
	6	769-2	D	
E2	3	770-3	H	
	4	770-3	H	
TC5	2	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	1	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	1	TC777-1	A	
TC37	1	TC777-2	J	
TC41	1	TC777-1	D	
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	5.58	48.00	✓	Straight	Straight Movement
	2	1	Af/1	A/2	5.75	48.00	✓	Straight	Straight Movement
	3	1	Af/2	A/3	5.88	48.00	✓	Straight	Straight Movement
	4	1	Af/3	A/4	6.01	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	4.71	48.00	✓	Nearside	68.09
	2	1	A/2	Bcf/2	6.63	34.00	✓	Nearside	71.40
	3	1	A/3	Bcf/3	6.61	34.00	✓	Nearside	74.72
	4	1	A/4	Bcf/4	6.60	34.00	✓	Nearside	78.03
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	14.73	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
	4	1	Df/2	D/4	4.16	48.00	✓	Straight	Straight Movement
Dc	1	1	Dcf/3	Dc/1	6.11	30.00	✓	Offside	56.19
	2	1	Dcf/4	Dc/2	5.88	30.00	✓	Offside	52.87
	3	1	Dcf/5	Dc/3	5.64	30.00	✓	Offside	49.56
	4	1	Dcf/6	Dc/4	5.41	30.00	✓	Offside	46.25
Dcf	1	1	Cc2/2	Dcf/1	4.91	48.00	✓	Straight	Straight Movement
	2	1	Cc2/4	Dcf/2	4.90	48.00	✓	Straight	Straight Movement
	3	1	C/2	Dcf/3	4.92	48.00	✓	Nearside	58.12
	4	1	C/2	Dcf/4	5.08	48.00	✓	Nearside	58.12
	5	1	C/3	Dcf/5	4.96	48.00	✓	Nearside	61.43
	6	1	C/3	Dcf/6	7.94	30.00	✓	Nearside	61.43
Dxp	1	1	Dcf/1	Dxp/1	3.43	48.00	✓	Nearside	60.22
	2	1	Dcf/2	Dxp/2	3.61	48.00	✓	Nearside	63.54
Ec	1	1	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42
	2	1	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	1	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	1	Ecf/5	Ec/4	5.41	30.00	✓	Offside	66.48
Ecf	1	1	Dc/1	Ecf/1	3.45	48.00	✓	Offside	76.11
	2	1	Dc/2	Ecf/2	3.48	48.00	✓	Offside	72.80
	3	1	Dc/3	Ecf/3	3.52	48.00	✓	Offside	69.49
	4	1	Dc/4	Ecf/4	3.56	48.00	✓	Offside	66.17
	5	1	Dc/4	Ecf/5	3.64	48.00	✓	Offside	62.86
Exp	1	1	Ecf/1	Exp/1	3.89	48.00	✓	Nearside	52.96
	2	1	Ecf/2	Exp/2	4.03	48.00	✓	Nearside	56.27
F	1	1	Ff/1	F/1	6.38	48.00	✓	Straight	Straight Movement
	2	1	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement
	3	1	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	1	1	Ec/2	Fc/1	18.84	35.00	✓	Straight	Straight Movement
	2	1	Ec/3	Fc/2	18.66	35.00	✓	Straight	Straight Movement
	3	1	Ec/4	Fc/3	18.54	35.00	✓	Straight	Straight Movement
Ff	1	1	51/1	Ff/1	33.09	30.00	✓	Straight	Straight Movement
	2	1	51/1	Ff/2	33.05	30.00	✓	Straight	Straight Movement
G	1	1	Gf/1	G/1	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	5.81	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	9.11	48.00	✓	Nearside	44.59
	2	1	Dxp/2	xD/2	9.16	48.00	✓	Nearside	47.90
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/5	Gf1/1	5.74	30.00	✓	Offside	21.77
Cc2	2	1	B/1	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	3	1	B/3	Cc2/3	8.20	40.00	✓	Straight	Straight Movement
	4	1	B/2	Cc2/4	8.14	40.00	✓	Straight	Straight Movement
	5	1	Bc/3	Cc2/5	6.03	54.00	✓	Offside	96.53
	6	1	Bc/3	Cc2/6	5.87	54.00	✓	Offside	93.22
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	11.07	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	3.95	57.00	✓	Offside	89.74
	3	2	Ac/3	Bcf/3	3.95	57.00	✓	Offside	86.42
	4	2	Ac/3	Bcf/4	3.94	57.00	✓	Offside	86.42
C	2	2	Cf/1	C/2	14.73	30.00	✓	Offside	56.58
Dcf	1	2	C/1	Dcf/1	4.91	48.00	✓	Nearside	54.80
	2	2	C/1	Dcf/2	4.90	48.00	✓	Nearside	54.80
	3	2	Cc2/3	Dcf/3	7.87	30.00	✓	Straight	Straight Movement
	4	2	Cc2/3	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
	5	2	Cc2/5	Dcf/5	7.94	30.00	✓	Offside	99.16
	6	2	Cc2/6	Dcf/6	7.94	30.00	✓	Offside	95.85
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	5.63	30.00	✓	Nearside	46.68
	4	2	D/3	Ecf/4	5.70	30.00	✓	Nearside	49.99
	5	2	D/4	Ecf/5	5.83	30.00	✓	Nearside	53.30
Fc	1	2	E1/1	Fc/1	20.61	32.00	✓	Nearside	58.94
	2	2	E1/1	Fc/2	20.41	32.00	✓	Nearside	60.85
	3	2	E1/2	Fc/3	20.28	32.00	✓	Nearside	64.16
G	1	2	Gf1/1	G/1	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
xB	1	2	Bcf/2	xB/1	9.29	30.00	✓	Nearside	60.96
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/1	Cc2/2	10.98	30.00	✓	Straight	Straight Movement
	3	2	Bc/2	Cc2/3	10.93	30.00	✓	Offside	99.84
	4	2	Bc/2	Cc2/4	6.03	54.00	✓	Straight	Straight Movement
	5	2	B/4	Cc2/5	8.14	40.00	✓	Straight	Straight Movement
	6	2	B/4	Cc2/6	7.93	40.00	✓	Straight	Straight Movement
TC9	2	2	49/1	TC9/2	11.07	30.00	✓	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
Dcf	4	3	Cc2/5	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
xA	2	3	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
Cc2	3	3	B/2	Cc2/3	10.93	30.00	✓	Straight	Straight Movement
	5	3	B/3	Cc2/5	10.86	30.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

Traffic Stream	Description	Controlling type	Controlling traffic stream	Percentage opposing (%)	Slope coefficient	Upstream signals visible
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	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)	✓	User Equilibrium			✓								

Note: Auto Calculate disabled on this Local Matrix - Paths and Flow Allocation might not be up to date.

Normal Input Flows (PCU/hr)

	To								
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	0	46	361	2	432	64	797	0
	B28	34	0	87	252	536	23	452	0
	C28	537	34	0	310	159	21	953	0
	D28	3	201	245	0	38	42	219	0
	E28	469	449	74	50	0	29	183	0
	F28	8	7	3	6	4	0	13	0
	G28	318	114	308	114	198	26	0	0
	H28	0	0	0	0	0	0	0	0

Bus Input Flows not shown as they are blank.

Tram Input Flows not shown as they are blank.

Pedestrian Input Flows not shown as they are blank.

Locations

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

Normal Paths and Flows

OD Matrix	Path	Description	From location	To location	Path items	Allocation type	Normal Calculated Flow (PCU/hr)
1	32	I1	C28	E28	Df/1, D/1, Ec/1, Exp/1, xE/1	Normal	159
	36		C28	E28	Df/1, D/1, Ec/2, Exp/2, xE/2	Disabled	0
	41		E28	A28	Ef/1, E1/2, Fc/3, Ac/1, Ac/1, Bcf/1, xB/1	Normal	362
	49	I1	C28	D28	Df/1, D/1, Ec/2, Ec/1, xF/1	Normal	310
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	50
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	141
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	29
	100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Normal	213
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	361
	103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
	105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	0
	107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	46
	110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	42
	112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	13
	113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	9
	125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	202
	137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	0
	138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	0
	140		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ec/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	250

14	1		B28	F28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	23
14	2		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
14	3		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
14	4		B28	G28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	202
14	5		B28	H28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
14	6		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
14	7		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
14	8		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
14	9		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	15
15	0		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	236
15	1		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
15	2		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
15	3		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	7
15	4		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	107
15	5		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
15	6		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
15	7		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
15	8		A28	G28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	436
15	9		A28	H28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
16	0		B28	D28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	252
16	1		B28	E28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	10
16	2		B28	D28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
16	3		B28	E28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	20
16	4		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
16	5		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
16	6		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	78
16	7		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
16	8		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal	278
16	9		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	9
17	0		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	105
17	1		G28	H28	49/1, TC9/1, TC43/1	Normal	0
17	2		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
17	3		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	6

174		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
175		A28	D28	50/1, Bf/2, B/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
176		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
177		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
178		B28	E28	48/1, Cf/1, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	20
179		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	20
180		A28	H28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
181		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	3
182		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
183		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	2
184		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
185		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	0
186		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
187		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	17
188		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
189		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
190		G28	D28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	1
191		D28	F28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
192		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
193		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
194		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	217
196		D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	42
197		D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	2
198		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
199		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	201
200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
201		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
202		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
203		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
205		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
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

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	74
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	Normal	210
249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/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	0
283		E28	B28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
284		E28	B28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
285		E28	B28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
286		E28	B28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
307		G28	C28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	3
317		C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	543
318		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
319		C28	B28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
320		C28	B28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
322		C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	288
323		C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	21
324		C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	122
325		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
330		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	132
331		C28	B28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
332		C28	B28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
334		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
342		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
343		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	34
364		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
379		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
380		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
381		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
382		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
383		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
384		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
385		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
386		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
387		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0

388		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
389		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
390		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
391		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
392		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
393		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
394		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
395		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
396		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
397		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
398		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
399		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
400		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
401		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	26
402		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
403		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
404		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
405		A28	F28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
406		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
407		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
408		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
409		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
410		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
411		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
412		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
413		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
414		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
415		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
417		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
418		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	103
423		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
424		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
425		E28	C28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0

428		E28	C28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
431		D28	C28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	35
439		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	54
440		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
441		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	1
442		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
443		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
444		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
445		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	21
446		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
447		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	5
448		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
449		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
450		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
451		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	96
452		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	144
453		A28	D28	50/1, Bf/2, B/4, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
454		A28	E28	50/1, Bf/2, B/4, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
455		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
456		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
457		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
458		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	12
459		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
460		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	4
461		A28	E28	50/1, Bf/2, B/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
462		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	361
463		A28	F28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	64
464		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
465		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	430
466		A28	D28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	2
467		G28	A28	49/1, TC9/1, Af/1, A/2, Bcf/2, xB/1	Normal	40
468		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
469		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0

470		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
471		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	19
472		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
473		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	405
474		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
475		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
476		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	3
477		H28	A28	TC42/1, Af/1, A/2, Bcf/2, xB/1	Normal	0
478		F28	A28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, xB/1	Normal	8

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 (%)	Journey Time (s)
07:30-08:30	A	1	(untitled)	E	278	2050	22	410	68	33	27.07	4.56	35.28	32.65
		2	(untitled)	E	275	2050	22	410	67	34	27.99	4.84	36.29	33.75
		3	(untitled)	E	276	2050	22	410	67	34	27.52	4.51	33.10	33.40
		4	(untitled)	E	276	2050	22	410	67	34	28.16	4.71	33.79	34.17
	Ac	1	(untitled)	D	616	2263	78	1509	41	120	1.14	0.36	2.18	8.32
		2	(untitled)	D	663	2263	78	1484	45	101	3.56	4.58	28.49	13.06
		3	(untitled)	D	322	2263	78	1498	21	319	4.85	4.92	32.14	11.45
	Acf	1	(untitled)		1279	2263	120	2263	57	59	1.03	0.37	3.03	6.25
		2	(untitled)		322	2263	120	2263	14	533	0.13	0.01	0.10	7.38
	Af	1	(untitled)		553	2050	120	2050	27	234	0.32	0.05	0.53	6.75

		2	(untitled)		276	2050	120	2050	13	568	0.14	0.01	0.11	6.52
		3	(untitled)		276	2050	120	2050	13	568	0.14	0.01	0.11	6.50
	B	1	(untitled)	B	407	2050	28	513	79	13	34.0 5	7.06	42.91	41.15
		2	(untitled)	B	434	2150	28	518	84	7	38.3 2	8.00	47.33	45.61
		3	(untitled)	B	425	2100	28	516	82	9	36.7 2	7.66	44.19	44.20
		4	(untitled)	B	436	2050	28	513	85	6	39.9 6	8.68	48.75	52.25
	Bc	1	(untitled)	A	463	2050	68	1196	39	132	4.41	4.30	18.59	16.37
		2	(untitled)	A	586	2050	68	1196	49	84	5.16	4.86	21.25	17.00
		3	(untitled)	A	288	2050	68	1196	24	274	6.10	5.91	26.11	17.80
	Bcf	1	(untitled)		894	2263	120	2263	40	128	0.52	0.13	1.18	4.71
		2	(untitled)		938	2263	120	2263	41	117	0.56	0.15	1.35	5.30
		3	(untitled)		586	2263	120	2263	26	248	0.28	0.05	0.42	5.48
		4	(untitled)		288	2263	120	2263	13	607	0.12	0.01	0.09	6.61
	Bf	1	(untitled)		841	1800	120	1800	47	93	0.88	0.20	0.52	28.21
		2	(untitled)		861	1800	120	1800	48	88	0.92	0.22	0.55	28.33
	C	1	(untitled)	G	87	2100	34	630	14	552	15.8 2	1.46	6.93	30.36
		2	(untitled)	G	322	2200	34	660	49	84	19.8 7	4.35	20.36	34.60
		3	(untitled)	G	509	2050	34	615	83	9	33.2 4	9.39	43.40	48.17
	Cf	1	(untitled)		369	1965	120	1965	19	379	0.21	0.02	0.09	17.56
		2	(untitled)		549	1965	120	1965	28	222	0.35	0.05	0.21	17.86
	D	1	(untitled)	B	469	2050	32	581	81	11	32.4 4	7.82	81.72	36.57
		2	(untitled)	B	431	1850	32	524	82	9	35.1 3	7.49	78.34	39.26
		3	(untitled)	B	543	2250	32	635	85	5	35.4 3	9.22	100.3 1	39.40
		4	(untitled)	B	571	2250	32	638	90	0	41.6 7	10.8 4	112.4 4	45.83
	Dc	1	(untitled)	A	545	2100	68	1225	44	102	2.61	1.63	18.38	8.72
		2	(untitled)	A	570	2100	68	1225	47	93	9.79	5.15	60.43	15.66
		3	(untitled)	A	724	2100	68	1225	59	52	8.07	7.10	86.88	13.71
		4	(untitled)	A	672	2100	68	1225	55	64	6.70	6.68	85.18	12.11
	Dcf	1	(untitled)		580	2050	120	2050	28	218	0.35	0.06	0.49	5.25
		2	(untitled)		498	2100	120	2100	24	280	0.27	0.04	0.32	5.16
		3	(untitled)		545	2100	120	2100	26	247	0.30	0.05	0.40	7.95
		4	(untitled)		570	2100	120	2100	27	232	0.32	0.05	0.43	6.94

		5	(untitled)		724	2100	120	2005	36	149	1.36	5.44	47.30	8.17
		6	(untitled)		672	2050	120	2000	34	168	0.92	4.54	39.45	8.86
	Df	1	(untitled)		900	1900	120	1900	47	90	0.85	0.21	0.61	24.85
		2	(untitled)		1114	2250	120	2017	55	63	1.55	4.05	11.65	25.55
	Dxp	1	(untitled)	D	580	2050	101	1743	33	170	1.27	1.34	16.82	4.70
		2	(untitled)	D	498	2050	101	1743	29	215	0.64	0.32	3.87	4.25
	Ec	1	(untitled)	F	683	2150	72	1326	52	75	2.95	2.62	30.10	6.70
		2	(untitled)	F	1155	2263	72	1396	83	9	12.9 ₃	7.83	93.00	16.56
		3	(untitled)	F	1181	2263	72	1396	85	6	12.8 ₄	7.77	95.49	16.35
		4	(untitled)	F	571	2250	72	1388	41	119	0.91	0.14	1.83	6.32
	Ecf	1	(untitled)		704	2100	120	2100	34	168	0.43	0.08	1.06	3.88
		2	(untitled)		880	2100	120	2100	42	115	0.62	0.15	1.87	4.10
		3	(untitled)		1155	2263	120	2110	55	64	1.61	4.59	56.18	5.92
		4	(untitled)		1181	2300	120	2194	54	67	1.67	6.47	78.27	6.22
		5	(untitled)		605	2300	120	2300	26	242	0.28	0.05	0.56	5.98
	Ef	1	(untitled)		805	1900	120	1900	42	112	0.70	0.16	0.70	16.00
		2	(untitled)		449	1900	120	1900	24	281	0.29	0.04	0.16	15.60
	Exp	1	(untitled)	L	704	2050	102	1760	40	125	1.22	2.45	27.20	5.11
		2	(untitled)	L	197	2050	102	1760	11	704	4.41	2.70	28.92	8.44
	F	1	(untitled)	B	261	2100	16	315	83	9	49.9 ₂	5.67	38.27	56.30
		2	(untitled)	B	239	2100	16	315	76	19	41.5 ₉	4.66	31.22	48.02
		3	(untitled)	B	248	2100	16	315	79	14	44.4 ₆	5.02	33.08	51.00
	Fc	1	(untitled)	A	1325	2263	84	1622	82	10	6.74	5.75	18.03	25.81
		2	(untitled)	A	1330	2263	84	1443	92	-2	15.4 ₅	14.9 ₈	47.48	34.31
		3	(untitled)	A	1007	2263	84	1542	65	38	6.81	7.99	25.47	26.10
	Ff	1	(untitled)		500	1900	120	1900	26	242	0.34	0.05	0.10	33.43
		2	(untitled)		248	1900	120	1900	13	590	0.14	0.01	0.02	33.19
	G	1	(untitled)	F	236	2050	32	566	42	116	7.16	3.55	13.16	23.14
		2	(untitled)	F	247	2050	32	566	44	106	7.39	4.81	18.22	18.78
	Gf	1	(untitled)		236	2050	120	2050	12	682	0.11	0.01	0.11	3.15
		2	(untitled)		213	2050	120	2050	10	766	0.10	0.01	0.09	3.11
	xA	1	(untitled)		1462	2263	120	2048	71	26	3.56	14.8 ₃	37.13	20.79

		2	(untitled)		1347	2263	120	2263	60	51	1.17	0.44	1.09	18.41
	xB	1	(untitled)		1369	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	7.02
	xC	1	(untitled)		453	1900	120	1512	30	200	3.42	4.80	23.90	12.09
		2	(untitled)		398	1900	120	1573	25	256	1.94	4.69	23.28	10.64
	xD	1	(untitled)		580	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.11
		2	(untitled)		498	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.16
	xE	1	(untitled)		704	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		197	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	xF	1	(untitled)		733	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
	Cc1	1	(untitled)	E	368	2050	60	1059	35	159	2.53	2.62	15.70	9.20
	E1	1	(untitled)	G	369	2050	26	478	77	17	33.78	6.45	46.34	39.78
		2	(untitled)	G	436	2200	26	513	85	6	40.35	8.33	59.85	46.35
	Gf1	1	(untitled)		34	710	120	710	5	1779	0.13	0.00	0.01	5.87
	Cc2	2	(untitled)	D	502	2150	62	1147	44	106	2.20	0.48	3.00	11.21
		3	(untitled)	D	531	2050	62	1093	49	85	2.47	0.54	3.42	13.40
		4	(untitled)	D	489	2150	62	1145	43	111	6.12	2.77	17.61	12.14
		5	(untitled)	D	713	2050	62	1093	65	38	3.38	0.75	4.76	12.29
		6	(untitled)	D	436	2050	62	1093	40	126	1.09	0.13	0.86	9.02
	E2	3	(untitled)	H	236	2150	26	493	48	88	23.26	3.37	36.32	27.25
		4	(untitled)	H	213	2050	26	478	45	102	22.70	3.02	31.96	26.78
	TC5	2	(untitled)	A	1257	2263	101	1942	65	39	2.55	3.49	87.14	5.31
		3	(untitled)	A	1347	2263	101	1942	69	30	2.09	2.23	55.70	4.86
		4	(untitled)	C	0	1800	7	120	0	Unrestricted	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	535	1925	90	1492	36	151	4.88	5.05	31.65	15.89
		2	(untitled)	B	276	1966	90	1524	18	397	3.80	2.24	13.99	14.87
		3	(untitled)	B	266	1947	90	1509	18	411	3.78	2.16	13.41	14.90
	TC35	1	(untitled)	A	205	1900	101	1631	13	616	1.02	1.46	34.71	3.92
	TC36	1	(untitled)		41	1800	120	1800	2	3851	0.02	0.00	0.01	3.05
	TC37	1	(untitled)	J	13	1850	104	1619	1	11107	1.01	0.05	0.70	4.20
	TC38	1	(untitled)		13	226	120	226	6	1466	3.98	2.42	65.19	5.52
	TC39	2	(untitled)		1257	2263	120	2263	56	62	0.99	0.35	5.65	3.53
		3	(untitled)		1347	2263	120	2263	60	51	1.17	0.44	7.54	3.56

	TC4 0	2	(untitled)		1270	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		1347	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC4 1	1	(untitled)	D	28	1850	8	139	20	346	55.45	2.44	25.69	59.38
	TC4 2	1	(untitled)	E	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC4 3	1	(untitled)		0	1800	120	1800	0	Unrestricted	0.00	0.00	0.00	0.00
	47	1	(untitled)		851	1300	120	1300	65	37	2.61	0.62	2.65	18.65
	48	1	(untitled)		918	1965	120	1965	47	93	0.80	0.20	2.13	7.42
	49	1	(untitled)		538	1900	120	1900	28	218	0.37	0.06	1.22	3.52
		2	(untitled)		539	1900	120	1900	28	217	0.38	0.06	1.23	3.52
	50	1	(untitled)		1702	1900	120	1900	90	0	7.78	3.68	43.95	13.56
	51	1	(untitled)		748	1900	120	1900	39	129	0.61	0.13	1.96	5.11

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	85	119	34	1	7
	2	✓	2	B	6	20	14	1	7
	3		1	A	25	59	34	1	7
	4		2	B	66	80	14	1	7
769-2	1	✓	4	D,E,H,I	15	40	25	1	3
	2	✓	5	F,G,J,K	51	61	10	1	8
	3		4	D,E,H,I	75	100	25	1	3
	4		5	F,G,J,K	111	1	10	1	8
770-1	1	✓	1	A,C	20	52	32	1	5
	2	✓	2	B	59	75	16	1	7
	3		1	A,C	80	112	32	1	5
	4		2	B	119	15	16	1	7
770-2	1	✓	4	D	12	113	101	1	7
	2	✓	5	E	118	5	7	1	5
770-3	1	✓	7	F,I,J	62	93	31	1	2
	2	✓	9	G,H	104	110	6	1	1
	3		7	F,I,J	2	33	31	1	2
	4		9	G,H	44	50	6	1	1
770-4	1	✓	11	L	4	106	102	1	7
	2	✓	12	M	111	117	6	1	6
771-1	1	✓	1	A,C	72	108	36	1	9
	2	✓	3	B	119	7	8	1	7
	3		1	A,C	12	48	36	1	9
	4		3	B	59	67	8	1	7
771-2	1	✓	5	D	78	117	39	1	7
	2	✓	6	E	2	13	11	1	7
	3		5	D	18	57	39	1	7
	4		6	E	62	73	11	1	7

TC777-1	1	✓	1	A,B,F	31	0	89	1	6
	2	✓	2	A,C,F,G	5	12	7	1	7
	3	✓	5	D,H,I	19	25	6	1	6
TC777-2	1	✓	1	J	118	102	104	1	7
	2	✓	2	K	107	113	6	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
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	✓	74.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	2	✓	76.69	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	3	✓	78.40	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	4	✓	80.11	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Ac	1	✓	95.80	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	92.34	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	50
	3	✓	87.95	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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	20	0
	2	✓	97.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	20	0
	3	✓	99.69	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	4	✓	102.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Bc	1	✓	132.85	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	2	✓	131.47	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	3	✓	130.10	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
Bcf	1	✓	62.77	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	62.62	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.46	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	62.38	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	20	0
	2	✓	122.73	CTM	0.00	Normal	✓	✓		Directly entered	2200	20	0
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
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	20	0
	2		55.00	CTM	0.00	Normal	✓	✓		Directly entered	1850	20	0
	3	✓	52.87	CTM	0.00	Normal	✓	✓		Directly entered	2250	20	0
	4	✓	55.42	CTM	0.00	Normal	✓	✓		Directly entered	2250	20	0
Dc	1	✓	50.91	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	2	✓	48.96	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	3	✓	47.02	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	4	✓	45.07	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
Dcf	1	✓	65.43	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	65.28	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	65.54	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	67.69	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	66.13	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	6	✓	66.17	CTM	0.00	Normal	✓			Directly entered	2050	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	✓	45.75	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	48.11	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ec	1	✓	50.09	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	46.77	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	4	✓	45.11	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	500
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	✓	46.95	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	47.51	CTM	0.00	Normal	✓			Directly entered	2300	100	100
	5	✓	48.55	CTM	0.00	Normal	✓			Directly entered	2300	100	100
Ef	1	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	1	✓	51.83	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.71	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	1	✓	85.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0

	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	3	✓	87.25	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
Fc	1	✓	183.21	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	181.45	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	180.28	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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	500
	2	✓	151.80	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
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	✓	77.45	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	✓	121.44	NetworkDefault	0.00	Normal						100	100
	2	✓	122.12	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	20	0
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	20	0
Gf1	1	✓	47.81	NetworkDefault	0.00	Normal			✓			100	100
Cc2	2	✓	91.52	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	3	✓	91.11	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	4	✓	90.39	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	5	✓	90.48	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	6	✓	88.08	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
E2	3	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	20	0
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0

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	✓	92.21	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	64	0.00	0.00
		2	0	0	64	0.00	0.00
	3	1	0	0	6	0.00	0.00
		2	0	0	6	0.00	0.00

	4	1	0	0	70	0.00	0.00
		2	0	0	70	0.00	0.00
	5	1	0	0	70	0.00	0.00
		2	0	0	70	0.00	0.00
	6	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	7	1	0	0	72	0.00	0.00
		2	0	0	72	0.00	0.00
	8	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	9	1	0	0	24	0.00	0.00
		2	0	0	24	0.00	0.00
	10	1	0	0	36	0.00	0.00
		2	0	0	36	0.00	0.00
	11	1	0	0	60	0.00	0.00
		2	0	0	60	0.00	0.00
	12	1	0	0	58	0.00	0.00
		2	0	0	58	0.00	0.00
	13	1	0	0	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	7	0.00	0.00
		2	0	0	7	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	6	0.00	0.00
		2	0	0	6	0.00	0.00

Collections

Point to Point Journey Time

Note: Auto Calculate disabled on this Local Matrix (Paths and Flow Allocation might not be up to date).

Average Journey Time (s) for Local Matrix: 1

	To								
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	0.0	120.8	110.7	148.9	137.3	200.7	212.3	0.0
	B28	174.2	0.0	79.1	110.4	107.6	161.1	174.3	0.0
	C28	133.9	147.7	0.0	82.9	82.9	130.4	144.8	0.0
	D28	122.8	165.3	158.9	0.0	200.3	122.6	132.5	0.0
	E28	120.4	97.1	174.0	68.0	0.0	114.1	124.5	0.0
	F28	133.6	180.3	175.7	198.2	200.0	0.0	17.0	0.0
	G28	70.5	121.1	113.4	138.1	136.5	185.5	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Normal journey dist (m)	Bus journeydist (m)	Tram journey dist (m)	Pedestrian journey dist (m)	Calculated Total Flow (PCU/hr)	Avg journey time (s)	Avg journey dist (m)
32	C28	E28	159	82.94	526.66	0.00	0.00	0.00	159	82.94	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

41	E28	A28	362	119.89	693.45	0.00	0.00	0.00	362	119.89	693.45
49	C28	D28	310	82.90	514.00	0.00	0.00	0.00	310	82.90	514.00
50	E28	D28	50	67.98	370.08	0.00	0.00	0.00	50	67.98	370.08
68	E28	G28	141	123.30	737.43	0.00	0.00	0.00	141	123.30	737.43
92	E28	F28	29	114.14	644.57	0.00	0.00	0.00	29	114.14	644.57
100	E28	B28	213	92.02	623.35	0.00	0.00	0.00	213	92.02	623.35
102	A28	C28	361	110.69	694.76	0.00	0.00	0.00	361	110.69	694.76
103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
107	A28	B28	46	120.79	716.08	0.00	0.00	0.00	46	120.79	716.08
110	E28	G28	42	128.61	731.08	0.00	0.00	0.00	42	128.61	731.08
112	F28	G28	13	17.00	149.60	0.00	0.00	0.00	13	17.00	149.60
113	F28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
115	B28	C28	9	78.84	556.36	0.00	0.00	0.00	9	78.84	556.36
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
130	G28	C28	202	111.87	769.88	0.00	0.00	0.00	202	111.87	769.88
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
140	B28	G28	250	170.28	1063.74	0.00	0.00	0.00	250	170.28	1063.74
141	B28	F28	23	161.12	970.89	0.00	0.00	0.00	23	161.12	970.89
142	B28	G28	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	B28	G28	202	179.34	1054.40	0.00	0.00	0.00	202	179.34	1054.40
145	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
146	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
147	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
148	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
149	B28	A28	15	171.84	1016.14	0.00	0.00	0.00	15	171.84	1016.14
150	E28	B28	236	101.79	625.89	0.00	0.00	0.00	236	101.79	625.89
151	B28	B28	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	180.26	750.62	0.00	0.00	0.00	7	180.26	750.62
154	E28	A28	107	122.32	694.61	0.00	0.00	0.00	107	122.32	694.61
155	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
156	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	A28	G28	436	214.38	1196.15	0.00	0.00	0.00	436	214.38	1196.15
159	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
160	B28	D28	252	110.44	698.10	0.00	0.00	0.00	252	110.44	698.10
161	B28	E28	10	110.25	713.02	0.00	0.00	0.00	10	110.25	713.02
162	B28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
163	B28	E28	20	110.54	714.28	0.00	0.00	0.00	20	110.54	714.28
164	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
165	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
166	B28	C28	78	79.12	553.47	0.00	0.00	0.00	78	79.12	553.47
167	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
168	G28	A28	278	69.85	386.06	0.00	0.00	0.00	278	69.85	386.06
169	G28	B28	9	121.16	788.72	0.00	0.00	0.00	9	121.16	788.72
170	G28	B28	105	121.06	789.10	0.00	0.00	0.00	105	121.06	789.10
171	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
172	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
173	F28	D28	6	198.20	871.57	0.00	0.00	0.00	6	198.20	871.57
174	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
175	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
176	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
177	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

178	B28	E28	20	105.25	710.57	0.00	0.00	0.00	20	105.25	710.57
179	B28	E28	20	105.54	711.82	0.00	0.00	0.00	20	105.54	711.82
180	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
181	F28	C28	3	175.65	729.68	0.00	0.00	0.00	3	175.65	729.68
182	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
183	A28	E28	2	137.11	854.82	0.00	0.00	0.00	2	137.11	854.82
184	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
185	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
186	A28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
187	G28	D28	17	143.22	910.75	0.00	0.00	0.00	17	143.22	910.75
188	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
189	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
190	G28	D28	1	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00
191	D28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
192	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
193	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
194	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
195	D28	G28	217	132.52	744.99	0.00	0.00	0.00	217	132.52	744.99
196	D28	F28	42	122.64	652.14	0.00	0.00	0.00	42	122.64	652.14
197	D28	G28	2	130.55	740.41	0.00	0.00	0.00	2	130.55	740.41
198	D28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
199	D28	B28	201	165.28	1101.39	0.00	0.00	0.00	201	165.28	1101.39
200	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
201	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
202	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
203	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
205	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
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
246	E28	C28	74	174.02	1066.04	0.00	0.00	0.00	74	174.02	1066.04
248	D28	C28	210	156.89	1078.32	0.00	0.00	0.00	210	156.89	1078.32
249	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
252	F28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
283	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
284	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
285	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
286	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
307	G28	C28	3	111.87	769.88	0.00	0.00	0.00	3	111.87	769.88
317	C28	G28	543	149.14	870.70	0.00	0.00	0.00	543	149.14	870.70
318	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
319	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
320	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
322	C28	G28	288	139.60	880.26	0.00	0.00	0.00	288	139.60	880.26
323	C28	F28	21	130.45	787.41	0.00	0.00	0.00	21	130.45	787.41
324	C28	G28	122	137.65	875.68	0.00	0.00	0.00	122	137.65	875.68
325	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
330	C28	A28	132	129.09	834.99	0.00	0.00	0.00	132	129.09	834.99
331	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
332	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
334	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
342	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
343	C28	B28	34	147.74	753.20	0.00	0.00	0.00	34	147.74	753.20
364	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
379	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
380	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
381	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

382	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
383	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
384	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
385	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
386	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
387	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
388	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
389	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
390	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
391	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
392	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
393	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
394	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
395	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
396	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
397	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
398	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
399	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
400	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
401	G28	F28	26	185.52	1180.56	0.00	0.00	0.00	26	185.52	1180.56
402	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
403	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
404	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
405	A28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
406	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
407	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
408	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
409	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
410	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
411	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
412	F28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
413	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
414	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
415	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
417	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
418	G28	C28	103	116.56	767.78	0.00	0.00	0.00	103	116.56	767.78
423	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
424	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
425	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
428	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
431	D28	C28	35	171.22	1080.45	0.00	0.00	0.00	35	171.22	1080.45
439	G28	E28	54	142.47	923.21	0.00	0.00	0.00	54	142.47	923.21
440	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
441	G28	E28	1	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00
442	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
443	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
444	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
445	D28	E28	21	201.78	1231.65	0.00	0.00	0.00	21	201.78	1231.65
446	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
447	D28	E28	5	201.95	1234.10	0.00	0.00	0.00	5	201.95	1234.10
448	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
449	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
450	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
451	G28	D28	96	138.04	910.65	0.00	0.00	0.00	96	138.04	910.65
452	G28	E28	144	134.79	925.57	0.00	0.00	0.00	144	134.79	925.57
453	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

454	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
455	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
456	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
457	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
458	D28	E28	12	196.96	1232.00	0.00	0.00	0.00	12	196.96	1232.00
459	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
460	F28	E28	4	200.01	886.49	0.00	0.00	0.00	4	200.01	886.49
461	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
462	A28	G28	361	209.81	1205.17	0.00	0.00	0.00	361	209.81	1205.17
463	A28	F28	64	200.65	1112.32	0.00	0.00	0.00	64	200.65	1112.32
464	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
465	A28	E28	430	137.25	852.36	0.00	0.00	0.00	430	137.25	852.36
466	A28	D28	2	148.88	839.90	0.00	0.00	0.00	2	148.88	839.90
467	G28	A28	40	75.40	388.25	0.00	0.00	0.00	40	75.40	388.25
468	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
469	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
470	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
471	B28	A28	19	176.04	1012.52	0.00	0.00	0.00	19	176.04	1012.52
472	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
473	C28	A28	405	135.41	831.37	0.00	0.00	0.00	405	135.41	831.37
474	E28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
475	E28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
476	D28	A28	3	122.81	700.92	0.00	0.00	0.00	3	122.81	700.92
477	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
478	F28	A28	8	133.56	350.15	0.00	0.00	0.00	8	133.56	350.15

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 saturation flow (PCU/hr)	Actual greens (s per cycle)	Wasted time total (s per cycle)	Degree of saturation (%)	Practical reserve capacity (%)	Journey Time (s)	Mean Delay per Vehicle (s)	Mean stops per Vehicle (%)	Mean maximum queue (PCU)	Delay weighting multiplier (%)	Stop weighting multiplier (%)	Cost of traffic penalties (£ per hr)	P.I.
A	1	(untitled)	6	771-2	E	278	2050	22	0.00	68	33	32.65	27.07	97.86	4.56	20	0	0.00	5.94
	2	(untitled)	6	771-2	E	275	2050	22	0.00	67	34	33.75	27.99	98.51	4.84	20	0	0.00	6.07
	3	(untitled)	6	771-2	E	276	2050	22	0.00	67	34	33.40	27.52	98.13	4.51	20	0	0.00	5.99
	4	(untitled)	6	771-2	E	276	2050	22	0.00	67	34	34.17	28.16	98.37	4.71	20	0	0.00	6.13
Ac	1	(untitled)	6	771-2	D	616	2263	78	16.00	41	120	8.32	1.14	3.53	0.36	100	500	0.00	6.25
	2	(untitled)	6	771-2	D	663	2263	78	31.32	45	101	13.06	3.56	40.51	4.58	100	50	0.00	11.60
	3	(untitled)	6	771-2	D	322	2263	78	38.58	21	319	11.45	4.85	77.91	4.92	100	500	0.00	46.43
Ac f	1	(untitled)	6			1279	2263	120	28.00	57	59	6.25	1.03	0.00	0.37	100	100	0.00	5.21
	2	(untitled)	6			322	2263	120	74.00	14	533	7.38	0.13	0.00	0.01	100	100	0.00	0.17

Af	1	(untitled)	6			553	2050	120	25.00	27	234	6.75	0.32	0.00	0.05	100	100	0.00	0.71
	2	(untitled)	6			276	2050	120	27.00	13	568	6.52	0.14	0.00	0.01	100	100	0.00	0.15
	3	(untitled)	6			276	2050	120	25.00	13	568	6.50	0.14	0.00	0.01	100	100	0.00	0.15
B	1	(untitled)	1	769-1	B	407	2050	28	0.00	79	13	41.15	34.05	102.87	7.06	20	0	0.00	10.93
	2	(untitled)	1	769-1	B	434	2150	28	1.12	84	7	45.61	38.32	108.65	8.00	20	0	0.00	13.12
	3	(untitled)	1	769-1	B	425	2100	28	0.52	82	9	44.20	36.72	106.51	7.66	20	0	0.00	12.31
	4	(untitled)	1	769-1	B	436	2050	28	0.00	85	6	52.25	39.96	117.21	8.68	20	0	0.00	13.74
Bc	1	(untitled)	1	769-1	A	463	2050	68	40.00	39	132	16.37	4.41	50.34	4.30	100	500	0.00	34.04
	2	(untitled)	1	769-1	A	586	2050	68	12.00	49	84	17.00	5.16	49.03	4.86	100	500	0.00	43.96
	3	(untitled)	1	769-1	A	288	2050	68	39.00	24	274	17.80	6.10	89.93	5.91	100	500	0.00	35.79
Bc f	1	(untitled)	1			894	2263	120	32.00	40	128	4.71	0.52	0.00	0.13	100	100	0.00	1.83
	2	(untitled)	1			938	2263	120	46.00	41	117	5.30	0.56	0.00	0.15	100	100	0.00	2.08
	3	(untitled)	1			586	2263	120	54.00	26	248	5.48	0.28	0.00	0.05	100	100	0.00	0.64
	4	(untitled)	1			288	2263	120	82.00	13	607	6.61	0.12	0.00	0.01	100	100	0.00	0.13
Bf	1	(untitled)	1			841	1800	120	0.00	47	93	28.21	0.88	0.00	0.20	100	100	0.00	2.91
	2	(untitled)	1			861	1800	120	0.00	48	88	28.33	0.92	0.00	0.22	100	100	0.00	3.11
C	1	(untitled)	2	769-2	G	87	2100	34	0.00	14	552	30.36	15.82	70.76	1.46	20	0	0.00	1.09
	2	(untitled)	2	769-2	G	322	2200	34	0.00	49	84	34.60	19.87	80.93	4.35	20	0	0.00	5.05
	3	(untitled)	2	769-2	G	509	2050	34	0.00	83	9	48.17	33.24	107.83	9.39	20	0	0.00	13.35
Cf	1	(untitled)	2			369	1965	120	0.00	19	379	17.56	0.21	0.00	0.02	100	100	0.00	0.31
	2	(untitled)	2			549	1965	120	0.00	28	222	17.86	0.35	0.00	0.05	100	100	0.00	0.77
D	1	(untitled)	3	770-1	B	469	2050	32	0.00	81	11	36.57	32.44	98.92	7.82	20	0	0.00	12.00
	2	(untitled)	3	770-1	B	431	1850	32	0.00	82	9	39.26	35.13	102.69	7.49	20	0	0.00	11.94
	3	(untitled)	3	770-1	B	543 <	2250	32	0.11	85	5	39.40	35.43	100.64	9.22 +	20	0	0.00	15.18
	4	(untitled)	3	770-1	B	571 <	2250	32	0.00	90	0	45.83	41.67	110.55	10.84 +	20	0	0.00	18.77
Dc	1	(untitled)	3	770-1	A	545	2100	68	20.00	44	102	8.72	2.61	11.44	1.63	100	500	0.00	9.53
	2	(untitled)	3	770-1	A	570	2100	68	30.00	47	93	15.66	9.79	54.15	5.15	100	500	0.00	41.36
	3	(untitled)	3	770-1	A	724	2100	68	13.00	59	52	13.71	8.07	55.56	7.10	100	500	0.00	48.25
	4	(untitled)	3	770-1	A	672	2100	68	30.00	55	64	12.11	6.70	48.36	6.68	100	500	0.00	38.13

Dc f	1	(untitled)	3			580	2050	120	30.00	28	218	5.25	0.35	0.00	0.06	100	100	0.00	0.79
	2	(untitled)	3			498	2100	120	82.00	24	280	5.16	0.27	0.00	0.04	100	100	0.00	0.52
	3	(untitled)	3			545	2100	120	52.00	26	247	7.95	0.30	0.00	0.05	100	100	0.00	0.65
	4	(untitled)	3			570	2100	120	58.00	27	232	6.94	0.32	0.00	0.05	100	100	0.00	0.72
	5	(untitled)	3			724	2100	120	42.45	36	149	8.17	1.36	18.72	5.44	100	100	0.00	6.58
	6	(untitled)	3			672	2050	120	56.93	34	168	8.86	0.92	12.78	4.54	100	100	0.00	3.53
Df	1	(untitled)	3-2			900	1900	120	0.00	47	90	24.85	0.85	0.00	0.21	100	100	0.00	3.02
	2	(untitled)	3-2			1114	2250	120	12.44	55	63	25.55	1.55	14.64	4.05	100	100	0.00	8.86
Dx p	1	(untitled)	3-2	770-2	D	580	2050	101	16.00	33	170	4.70	1.27	6.66	1.34	100	100	0.00	4.14
	2	(untitled)	3-2	770-2	D	498	2050	101	50.00	29	215	4.25	0.64	1.91	0.32	100	100	0.00	1.56
Ec	1	(untitled)	4	770-3	F	683	2150	72	14.00	52	75	6.70	2.95	20.12	2.62	100	500	0.00	29.99
	2	(untitled)	4	770-3	F	1155	2263	72	8.00	83	9	16.56	12.93	42.55	7.83	100	500	0.00	137.78
	3	(untitled)	4	770-3	F	1181	2263	72	8.00	85	6	16.35	12.84	42.11	7.77	100	500	0.00	139.64
	4	(untitled)	4	770-3	F	571	2250	72	26.00	41	119	6.32	0.91	1.50	0.14	100	500	0.00	2.58
Ef	1	(untitled)	4			704	2100	120	36.00	34	168	3.88	0.43	0.00	0.08	100	100	0.00	1.20
	2	(untitled)	4			880	2100	120	46.00	42	115	4.10	0.62	0.00	0.15	100	100	0.00	2.14
	3	(untitled)	4			1155	2263	120	35.13	55	64	5.92	1.61	12.50	4.59	100	100	0.00	10.90
	4	(untitled)	4			1181	2300	120	51.52	54	67	6.22	1.67	12.37	6.47	100	100	0.00	11.16
	5	(untitled)	4			605	2300	120	72.00	26	242	5.98	0.28	0.00	0.05	100	100	0.00	0.67
Ef	1	(untitled)	4			805	1900	120	0.00	42	112	16.00	0.70	0.00	0.16	100	100	0.00	2.21
	2	(untitled)	4			449	1900	120	0.00	24	281	15.60	0.29	0.00	0.04	100	100	0.00	0.52
Ex p	1	(untitled)	4-2	770-4	L	704	2050	102	28.00	40	125	5.11	1.22	6.83	2.45	100	100	0.00	4.94
	2	(untitled)	4-2	770-4	L	197	2050	102	71.00	11	704	8.44	4.41	40.73	2.70	100	100	0.00	6.00
F	1	(untitled)	5	771-1	B	261	2100	16	0.00	83	9	56.30	49.92	126.15	5.67	20	0	0.00	10.28
	2	(untitled)	5	771-1	B	239	2100	16	0.00	76	19	48.02	41.59	114.92	4.66	20	0	0.00	7.84
	3	(untitled)	5	771-1	B	248	2100	16	0.00	79	14	51.00	44.46	118.86	5.02	20	0	0.00	8.70
Fc	1	(untitled)	5	771-1	A	1325	2263	84	10.00	82	10	25.81	6.74	25.82	5.75	100	500	0.00	63.79
	2	(untitled)	5	771-1	A	1330	2263	84	9.51	92	-2	34.31	15.45	63.04	14.98	100	500	0.00	151.29
	3	(untitled)	5	771-1	A	1007	2263	84	16.26	65	38	26.10	6.81	47.53	7.99	100	500	0.00	64.97
Ff	1	(untitled)	5			500	1900	120	0.00	26	242	33.43	0.34	0.00	0.05	100	100	0.00	0.67

	2	(untitled)	5			248	1900	120	0.00	13	590	33.19	0.14	0.00	0.01	100	100	0.00	0.14
G	1	(untitled)	2	769-2	F	236	2050	32	18.88	42	116	23.14	7.16	25.24	3.55	100	500	0.00	11.74
	2	(untitled)	2	769-2	F	247	2050	32	8.88	44	106	18.78	7.39	31.15	4.81	100	500	0.00	19.55
Gf	1	(untitled)	4			236	2050	120	92.00	12	682	3.15	0.11	0.00	0.01	100	100	0.00	0.11
	2	(untitled)	4			213	2050	120	92.00	10	766	3.11	0.10	0.00	0.01	100	100	0.00	0.09
xA	1	(untitled)	10			1462	2263	120	32.40	71	26	20.79	3.56	17.73	14.83	100	100	0.00	28.86
	2	(untitled)	10			1347	2263	120	34.00	60	51	18.41	1.17	0.00	0.44	100	100	0.00	6.20
xB	1	(untitled)				1369	Unrestricted	120	0.00	0	Unrestricted	7.02	0.00	0.00	0.00	100	100	0.00	0.00
xC	1	(untitled)				453	1900	120	73.52	30	200	12.09	3.42	50.26	4.80	100	100	0.00	13.41
	2	(untitled)				398	1900	120	70.63	25	256	10.64	1.94	30.32	4.69	100	100	0.00	6.92
xD	1	(untitled)				580	Unrestricted	120	17.00	0	Unrestricted	9.11	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				498	Unrestricted	120	37.00	0	Unrestricted	9.16	0.00	0.00	0.00	100	100	0.00	0.00
xE	1	(untitled)				704	Unrestricted	120	3.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				197	Unrestricted	120	52.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	1	(untitled)				733	Unrestricted	120	0.00	0	Unrestricted	12.19	0.00	0.00	0.00	100	100	0.00	0.00
Cc1	1	(untitled)	2	769-2	E	368	2050	60	16.00	35	159	9.20	2.53	10.02	2.62	100	100	0.00	5.08
E1	1	(untitled)	4	770-3	G	369	2050	26	0.00	77	17	39.78	33.78	103.17	6.45	20	0	0.00	9.83
	2	(untitled)	4	770-3	G	436	2200	26	0.00	85	6	46.35	40.35	112.34	8.33	20	0	0.00	13.88
Gf1	1	(untitled)	4			34	710	120	88.00	5	1779	5.87	0.13	0.00	0.00	100	100	0.00	0.02
Cc2	2	(untitled)	2	769-2	D	502	2150	62	10.00	44	106	11.21	2.20	5.70	0.48	100	500	0.00	7.15
	3	(untitled)	2	769-2	D	531	2050	62	12.00	49	85	13.40	2.47	6.10	0.54	100	500	0.00	7.20
	4	(untitled)	2	769-2	D	489	2150	62	30.09	43	111	12.14	6.12	23.20	2.77	100	500	0.00	34.84
	5	(untitled)	2	769-2	D	713	2050	62	11.00	65	38	12.29	3.38	6.24	0.75	100	500	0.00	14.81
	6	(untitled)	2	769-2	D	436	2050	62	34.00	40	126	9.02	1.09	0.00	0.13	100	500	0.00	1.87
E2	3	(untitled)	4	770-3	H	236	2150	26	0.47	48	88	27.25	23.26	85.46	3.37	20	0	0.00	4.33
	4	(untitled)	4	770-3	H	213	2050	26	0.00	45	102	26.78	22.70	84.89	3.02	20	0	0.00	3.81
TC5	2	(untitled)	TC771-6	TC777-1	A	1257	2263	101	17.00	65	39	5.31	2.55	8.32	3.49	100	100	0.00	13.94
	3	(untitled)	TC771-6	TC777-1	A	1347	2263	101	17.00	69	30	4.86	2.09	1.81	2.23	100	100	0.00	11.43
	4	(untitled)	TC771-6	TC777-1	C	0	1800	7	8.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC9	1	(untitled)	TC771-6	TC777-1	B	535	1925	90	0.00	36	151	15.89	4.88	28.23	5.05	100	100	0.00	12.20

	2	(untitled)	TC 771-6	TC77 7-1	B	276	1966	90	0.00	18	397	14.87	3.80	24.38	2.24	100	100	0.00	4.98
	3	(untitled)	TC 771-6	TC77 7-1	B	266	1947	90	0.00	18	411	14.90	3.78	24.38	2.16	100	100	0.00	4.78
TC 35	1	(untitled)	TC 771-6	TC77 7-1	A	205	1900	101	23.00	13	616	3.92	1.02	8.34	1.46	100	100	0.00	1.04
TC 36	1	(untitled)	TC 771-6			41	1800	120	120.00	2	3851	3.05	0.02	0.00	0.00	100	100	0.00	0.00
TC 37	1	(untitled)	TC 771-6	TC77 7-2	J	13	1850	104	104.00	1	11107	4.20	1.01	12.51	0.05	100	100	0.00	0.11
TC 38	1	(untitled)	TC 771-6			13	226	120	62.00	6	1466	5.52	3.98	54.48	2.42	100	100	0.00	0.45
TC 39	2	(untitled)	TC 771-6			1257	2263	120	34.00	56	62	3.53	0.99	0.00	0.35	100	100	0.00	4.92
	3	(untitled)	TC 771-6			1347	2263	120	34.00	60	51	3.56	1.17	0.00	0.44	100	100	0.00	6.20
TC 40	2	(untitled)	TC 771-6			1270	Unrestricted	120	11.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC 771-6			1347	Unrestricted	120	24.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
TC 41	1	(untitled)	TC 771-6	TC77 7-1	D	28	1850	8	7.00	20	346	59.38	55.45	95.20	2.44	100	100	0.00	7.05
TC 42	1	(untitled)	TC 771-6	TC77 7-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC 43	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			851	1300	120	24.00	65	37	18.65	2.61	0.00	0.62	100	100	0.00	8.76
48	1	(untitled)	2			918	1965	120	0.00	47	93	7.42	0.80	0.00	0.20	100	100	0.00	2.90
49	1	(untitled)	TC 771-6			538	1900	120	0.00	28	218	3.52	0.37	0.00	0.06	100	100	0.00	0.79
	2	(untitled)	TC 771-6			539	1900	120	0.00	28	217	3.52	0.38	0.00	0.06	100	100	0.00	0.80
50	1	(untitled)	1			1702	1900	120	0.00	90	0	13.56	7.78	0.00	3.68	100	100	0.00	52.26
51	1	(untitled)	4-2			748	1900	120	0.00	39	129	5.11	0.61	0.00	0.13	100	100	0.00	1.81

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 saturation flow (Ped/hr)	Actual greens (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	64	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3	770-1	C	0	11000	64	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
3	1	(untitled)	4-2	770-4	M	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4-2	770-4	M	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
4	1	(untitled)	4	770-3	J	0	11000	70	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	J	0	11000	70	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	1	(untitled)	4	770-3	I	0	11000	70	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	I	0	11000	70	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	72	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	72	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	24	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	J	0	11000	24	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
10	1	(untitled)	2	769-2	K	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	K	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	1	(untitled)		769-2	H	0	11000	60	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	60	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	1	(untitled)	2	769-2	I	0	11000	58	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	58	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	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	G	0	11000	7	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	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-2	K	0	11000	6	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	6425.52	293.05	21.93	121.26	880.68	616.36	0.00	1497.05
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	6425.52	293.05	21.93	121.26	880.68	616.36	0.00	1497.05

- < = 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 © Copyright TRL Limited, 2019	
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Filename: M62 JN 28 CRF Scheme_Mar 20_PF_Sept 20_RevC_mitigation
 DS_optA+D_2019+Dev_03.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Option A+D
Report generation date: 24/01/2021 16:09:15

»Network Diagrams
 «A16 - PM Base 2019+Dev : D16 - PM 2019+Dev, :
 »Summary
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 »Pedestrian Crossings
 »Local OD Matrix - Local Matrix: 1
 »Signal Timings
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 »Data Entry - Stage Start and End
 »Data Entry - Phase
 »Data Entry - Traffic Stream
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 »Collections
 »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 2019+Dev - PM 2019+Dev						
Network	A16 D16	60	1641.82	128.55	97% (TS 47/1)	2 (1%)

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

Enabl e contro ller offset s	Enable fuel consump tion	Ena ble quic k flare s	Displ ay journ ey time result s	Displa y OD matrix distan ces	Displ ay level of servi ce resul ts	Displa y blocki ng and starva tion results	Displ ay end of red and gree n queu e resul ts	Displ ay exce ss queu e resul ts	Displ ay separ ate unifor m and rando m resul ts	Display unweig hted results	Displa y TRAN SYT 12 style timing s	Displ ay effect ive gree ns in result s	Displ ay Red- With- Amb er	Displ ay End- Of- Gree n Amb er	Display control ler phase minimu ms

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

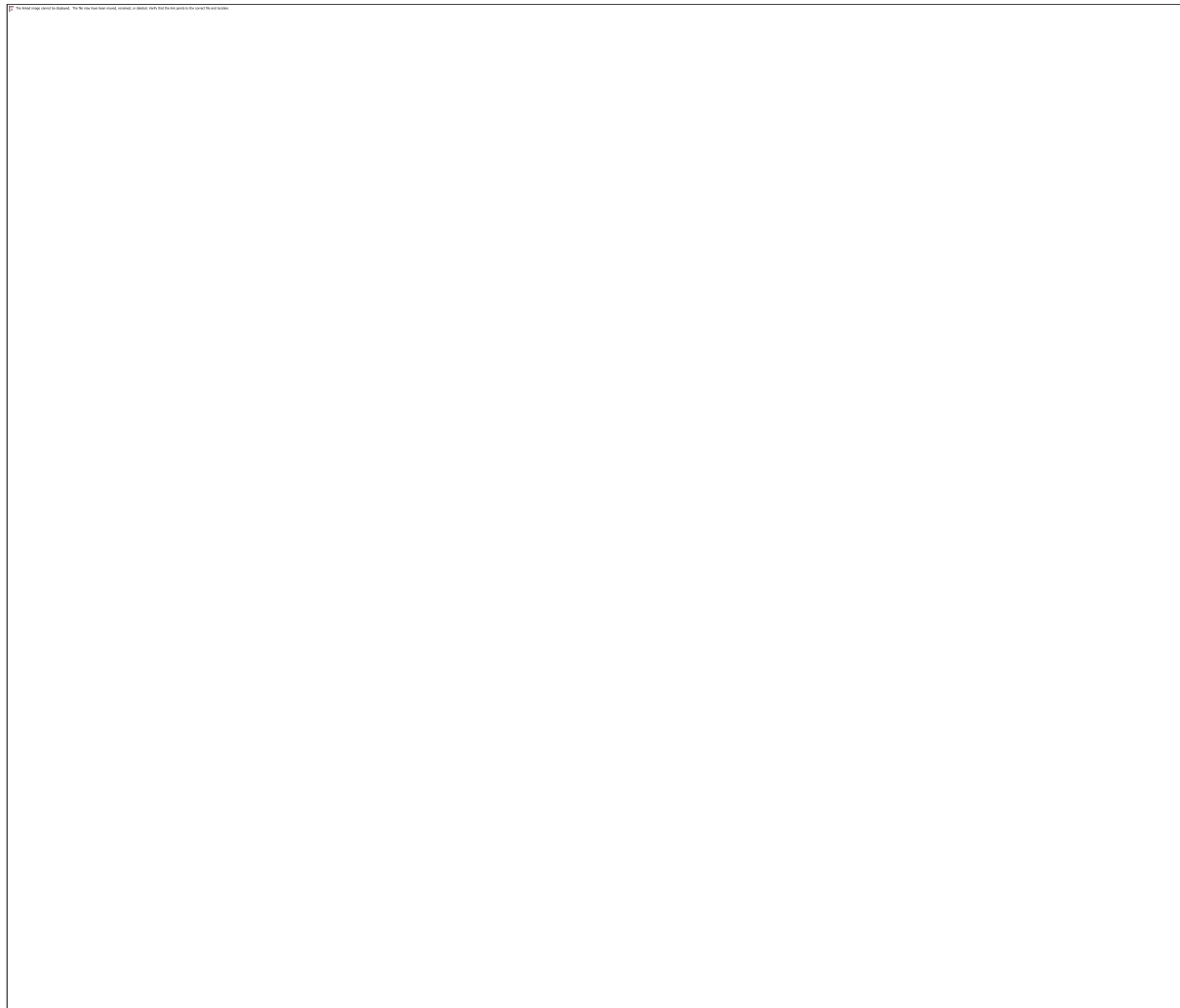
Sorting

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



A16 - PM Base 2019+Dev D16 - PM 2019+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	Local Matrix	Local Matrix 1	Local Matrix 1: Auto Calculate option is switched off - OD flows will not be allocated automatically to the network.
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)	Modeling 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
16	24/01/2021 16:08:34	24/01/2021 16:08:36	2.24	16:30	60	1641.82	128.55	96.69	47/1	2	1	TC5/4	47/1	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 2019+Dev			✓	D16		✓	

Demand Set Details

Scenario name	Time Period name	Description	Composite	Demand sets	Start time (HH:mm)	Locked	Run automatically
PM 2019+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		✓	769-1, 769-2, 770-1, 770-2, 770-3, 770-4, 771-1, 771-2, 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-calculated 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	✓	74.35	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.69	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.40	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.11	✓	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)		✓	62.77	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	62.62	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.46	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.38	✓	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	✓	122.73	✓	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	
	4	(untitled)	Leeds/M62/Wake	✓	55.42	✓	Directly entered	2250		2250	✓		Normal	
Dc	1	(untitled)	Brad	✓	50.91	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.96	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	47.02	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	45.07	✓	Directly entered	2100		2100	✓		Normal	
Dcf	1	(untitled)		✓	65.43	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	65.28	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	65.54	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	67.69	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	66.13	✓	Directly entered	2100		2100			Normal	
	6	(untitled)		✓	66.17	✓	Directly entered	2050		2050			Normal	
Df	1	(untitled)			200.00	✓	Sum of lanes	1900					Normal	
	2	(untitled)			200.00	✓	Directly entered	2250					Normal	
Dxp	1	(untitled)		✓	45.75	✓	Directly entered	2050			✓		Normal	
	2	(untitled)		✓	48.11	✓	Directly entered	2050			✓		Normal	
Ec	1	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal	
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)	M62E	✓	45.11	✓	Directly entered	2250		2250	✓		Normal	
Ecf	1	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal	
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	46.95	✓	Directly entered	2263		2263			Normal	
	4	(untitled)		✓	47.51	✓	Directly entered	2300		2300			Normal	

	5	(untitled)		✓	48.55	✓	Directly entered	2300		2300			Normal	
Ef	1	(untitled)		✓	127.54	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal	
Exp	1	(untitled)		✓	51.83	✓	Directly entered	2050		2100	✓		Normal	
	2	(untitled)		✓	53.71	✓	Directly entered	2050		2100	✓		Normal	
F	1	(untitled)	Leeds	✓	85.13	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.25	✓	Directly entered	2100		2100	✓		Normal	
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)		✓	77.45								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)		✓	121.44								Normal	
	2	(untitled)		✓	122.12								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)		✓	47.81							✓	Normal	
Cc2	2	(untitled)	Dews	✓	91.52	✓	Directly entered	2150		2100	✓		Normal	

	3	(untitled)	Brad/M62W	✓	91.11	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	90.39	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	90.48	✓	Directly entered	2050		2050	✓		Normal	
	6	(untitled)	Leeds	✓	88.08	✓	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)		✓	92.21	✓	Sum of lanes	1966		1966	✓		Normal	
	3	(untitled)		✓	92.69	✓	Sum of lanes	1947		1947	✓		Normal	
TC3 5	1	(untitled)		✓	24.16	✓	Directly entered	1900		2263	✓		Normal	
TC3 6	1	(untitled)		✓	25.22	✓	Sum of lanes	1800					Normal	
TC3 7	1	(untitled)		✓	44.32	✓	Directly entered	1850		1850	✓		Normal	
TC3 8	1	(untitled)		✓	21.32	✓	Directly entered	1850		1850		✓	Normal	
TC3 9	2	(untitled)		✓	35.24	✓	Directly entered	2263		2263			Normal	
	3	(untitled)		✓	33.28	✓	Directly entered	2263		2263			Normal	
TC4 0	2	(untitled)		✓	58.74								Normal	
	3	(untitled)		✓	55.82								Normal	
TC4 1	1	(untitled)		✓	54.63	✓	Directly entered	1850		1850	✓		Normal	
TC4 2	1	(untitled)		✓	23.35	✓	Sum of lanes	1771			✓		Normal	
TC4 3	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 connect or turning radius	Proportion that turn (%)	Turning radius (m)	Nearside lane	Saturation flow (PCU/hr)

[illegible]

[illegible]

[illegible]

	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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Ac	1	CTM	500	100	100		0.00	✓	16.50	9999.00				
	2	CTM	500	100	100		0.00	✓	16.50	9999.00				
	3	CTM	500	100	100		0.00	✓	16.50	9999.00				
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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Bc	1	CTM	500	100	100		0.00	✓	22.50	9999.00				
	2	CTM	500	100	100		0.00	✓	22.50	9999.00				
	3	CTM	500	100	100		0.00	✓	22.50	9999.00				
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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
Cf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
D	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Dc	1	CTM	500	100	100		0.00	✓	8.00	9999.00				
	2	CTM	500	100	100		0.00	✓	8.00	9999.00				
	3	CTM	500	100	100		0.00	✓	8.00	9999.00				
	4	CTM	500	100	100		0.00	✓	8.00	9999.00				
Dcf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
	6	CTM	100	100	100		0.00							
Df	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
Dx P	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
Ec	1	CTM	500	100	100		0.00	✓	8.00	9999.00				
	2	CTM	500	100	100		0.00	✓	8.00	9999.00				
	3	CTM	500	100	100		0.00	✓	8.00	9999.00				
	4	CTM	500	100	100		0.00	✓	8.00	9999.00				
Ecf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							

	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
Ef	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
Exp	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
F	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
Fc	1	CTM	500	100	100		0.00	✓	32.0 0	9999. 00				
	2	CTM	500	100	100		0.00	✓	32.0 0	9999. 00				
	3	CTM	500	100	100		0.00	✓	32.0 0	9999. 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	500	100	100		0.00	✓	26.0 0	9999. 00				
	2	CTM	500	100	100		0.00	✓	26.0 0	9999. 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	NetworkDe fault	100	100	100		0.00							
xC	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xD	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
xE	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
xF	1	NetworkDe fault	100	100	100		0.00							
Cc1	1	CTM	100	100	100		0.00							
E1	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
Gf1	1	NetworkDe fault	100	100	100		0.00							
Cc2	2	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	3	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	4	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	5	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	6	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
E2	3	CTM	0	20	100		0.00							
	4	CTM	0	20	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	NetworkDe fault	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	NetworkDe fault	100	100	100		0.00							
TC 43	1	NetworkDe fault	100	100	100		0.00							
47	1	CTM	100	100	100		0.00							
48	1	NetworkDe fault	100	100	100		0.00							
49	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
50	1	NetworkDe fault	100	100	100		0.00							
51	1	NetworkDe fault	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	670	670
	2	669	669
	3	658	658
	4	416	416
Ac	1	598	598
	2	627	627
	3	326	326
Acf	1	1225	1225
	2	326	326
Af	1	1339	1339

	2	658	658
	3	416	416
B	1	367	367
	2	295	295
	3	280	280
	4	294	294
Bc	1	970	970
	2	968	968
	3	432	432
Bcf	1	1268	1268
	2	1296	1296
	3	968	968
	4	432	432
Bf	1	662	662
	2	575	575
C	1	87	87
	2	227	227
	3	244	244
Cf	1	274	274
	2	284	284
D	1	373	373
	2	206	206
	3	306	306
	4	327	327
Dc	1	449	449
	2	626	626
	3	333	333
	4	319	319
Dcf	1	741	741
	2	1018	1018
	3	449	449
	4	626	626
	5	333	333
	6	319	319
Df	1	579	579
	2	633	633
Dxp	1	741	741
	2	1018	1018
Ec	1	620	620
	2	539	539
	3	605	605
	4	307	307
Ecf	1	540	540
	2	908	908
	3	539	539
	4	605	605
	5	347	347
Ef	1	764	764
	2	538	538
Exp	1	540	540
	2	288	288
F	1	164	164
	2	343	343
	3	325	325
Fc	1	685	685

	2	724	724
	3	707	707
Ff	1	507	507
	2	325	325
G	1	284	284
	2	294	294
Gf	1	281	281
	2	257	257
xA	1	665	665
	2	732	732
xB	1	1594	1594
xC	1	649	649
	2	608	608
xD	1	741	741
	2	1018	1018
xE	1	540	540
	2	288	288
xF	1	719	719
Cc1	1	679	679
E1	1	365	365
	2	399	399
Gf1	1	40	40
Cc2	2	658	658
	3	421	421
	4	1014	1014
	5	541	541
	6	294	294
E2	3	281	281
	4	257	257
TC5	2	631	631
	3	732	732
	4	0	0
TC9	1	1226	1226
	2	658	658
	3	361	361
TC35	1	34	34
TC36	1	205	205
TC37	1	37	37
TC38	1	37	37
TC39	2	631	631
	3	732	732
TC40	2	668	668
	3	732	732
TC41	1	168	168
TC42	1	0	0
TC43	1	0	0
47	1	1257	1257
48	1	558	558
49	1	1226	1226
	2	1019	1019
50	1	1237	1237
51	1	832	832

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	
	4	770-1	B	
Dc	1	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
Dxp	1	770-2	D	
	2	770-2	D	
Ec	1	770-3	F	
	2	770-3	F	
	3	770-3	F	
	4	770-3	F	
Exp	1	770-4	L	
	2	770-4	L	
F	1	771-1	B	
	2	771-1	B	
	3	771-1	B	
Fc	1	771-1	A	
	2	771-1	A	
	3	771-1	A	
G	1	769-2	F	
	2	769-2	F	
Cc1	1	769-2	E	
E1	1	770-3	G	
	2	770-3	G	
Cc2	2	769-2	D	
	3	769-2	D	
	4	769-2	D	
	5	769-2	D	
	6	769-2	D	
E2	3	770-3	H	
	4	770-3	H	
TC5	2	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	1	TC777-1	B	

	2	TC777-1	B	
	3	TC777-1	B	
TC35	1	TC777-1	A	
TC37	1	TC777-2	J	
TC41	1	TC777-1	D	
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	5.58	48.00	✓	Straight	Straight Movement
	2	1	Af/1	A/2	5.75	48.00	✓	Straight	Straight Movement
	3	1	Af/2	A/3	5.88	48.00	✓	Straight	Straight Movement
	4	1	Af/3	A/4	6.01	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	4.71	48.00	✓	Nearside	68.09
	2	1	A/2	Bcf/2	6.63	34.00	✓	Nearside	71.40
	3	1	A/3	Bcf/3	6.61	34.00	✓	Nearside	74.72

	4	1	A/4	Bcf/4	6.60	34.00	✓	Nearside	78.03
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	14.73	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
	4	1	Df/2	D/4	4.16	48.00	✓	Straight	Straight Movement
Dc	1	1	Dcf/3	Dc/1	6.11	30.00	✓	Offside	56.19
	2	1	Dcf/4	Dc/2	5.88	30.00	✓	Offside	52.87
	3	1	Dcf/5	Dc/3	5.64	30.00	✓	Offside	49.56
	4	1	Dcf/6	Dc/4	5.41	30.00	✓	Offside	46.25
Dcf	1	1	Cc2/2	Dcf/1	4.91	48.00	✓	Straight	Straight Movement
	2	1	Cc2/4	Dcf/2	4.90	48.00	✓	Straight	Straight Movement
	3	1	C/2	Dcf/3	4.92	48.00	✓	Nearside	58.12
	4	1	C/2	Dcf/4	5.08	48.00	✓	Nearside	58.12
	5	1	C/3	Dcf/5	4.96	48.00	✓	Nearside	61.43
	6	1	C/3	Dcf/6	7.94	30.00	✓	Nearside	61.43
Dxp	1	1	Dcf/1	Dxp/1	3.43	48.00	✓	Nearside	60.22
	2	1	Dcf/2	Dxp/2	3.61	48.00	✓	Nearside	63.54
Ec	1	1	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42
	2	1	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	1	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	1	Ecf/5	Ec/4	5.41	30.00	✓	Offside	66.48
Ecf	1	1	Dc/1	Ecf/1	3.45	48.00	✓	Offside	76.11
	2	1	Dc/2	Ecf/2	3.48	48.00	✓	Offside	72.80
	3	1	Dc/3	Ecf/3	3.52	48.00	✓	Offside	69.49
	4	1	Dc/4	Ecf/4	3.56	48.00	✓	Offside	66.17
	5	1	Dc/4	Ecf/5	3.64	48.00	✓	Offside	62.86
Exp	1	1	Ecf/1	Exp/1	3.89	48.00	✓	Nearside	52.96
	2	1	Ecf/2	Exp/2	4.03	48.00	✓	Nearside	56.27
F	1	1	Ff/1	F/1	6.38	48.00	✓	Straight	Straight Movement
	2	1	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement
	3	1	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	1	1	Ec/2	Fc/1	18.84	35.00	✓	Straight	Straight Movement
	2	1	Ec/3	Fc/2	18.66	35.00	✓	Straight	Straight Movement
	3	1	Ec/4	Fc/3	18.54	35.00	✓	Straight	Straight Movement

Ff	1	1	51/1	Ff/1	33.09	30.00	✓	Straight	Straight Movement
	2	1	51/1	Ff/2	33.05	30.00	✓	Straight	Straight Movement
G	1	1	Gf/1	G/1	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	5.81	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	9.11	48.00	✓	Nearside	44.59
	2	1	Dxp/2	xD/2	9.16	48.00	✓	Nearside	47.90
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	Ec/5	Gf1/1	5.74	30.00	✓	Offside	21.77
Cc2	2	1	B/1	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	3	1	B/3	Cc2/3	8.20	40.00	✓	Straight	Straight Movement
	4	1	B/2	Cc2/4	8.14	40.00	✓	Straight	Straight Movement
	5	1	Bc/3	Cc2/5	6.03	54.00	✓	Offside	96.53
	6	1	Bc/3	Cc2/6	5.87	54.00	✓	Offside	93.22
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	11.07	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	3.95	57.00	✓	Offside	89.74
	3	2	Ac/3	Bcf/3	3.95	57.00	✓	Offside	86.42
	4	2	Ac/3	Bcf/4	3.94	57.00	✓	Offside	86.42
C	2	2	Cf/1	C/2	14.73	30.00	✓	Offside	56.58
Dcf	1	2	C/1	Dcf/1	4.91	48.00	✓	Nearside	54.80
	2	2	C/1	Dcf/2	4.90	48.00	✓	Nearside	54.80
	3	2	Cc2/3	Dcf/3	7.87	30.00	✓	Straight	Straight Movement
	4	2	Cc2/3	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
	5	2	Cc2/5	Dcf/5	7.94	30.00	✓	Offside	99.16
	6	2	Cc2/6	Dcf/6	7.94	30.00	✓	Offside	95.85
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	5.63	30.00	✓	Nearside	46.68
	4	2	D/3	Ecf/4	5.70	30.00	✓	Nearside	49.99
	5	2	D/4	Ecf/5	5.83	30.00	✓	Nearside	53.30
Fc	1	2	E1/1	Fc/1	20.61	32.00	✓	Nearside	58.94
	2	2	E1/1	Fc/2	20.41	32.00	✓	Nearside	60.85
	3	2	E1/2	Fc/3	20.28	32.00	✓	Nearside	64.16
G	1	2	Gf1/1	G/1	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
xB	1	2	Bcf/2	xB/1	9.29	30.00	✓	Nearside	60.96
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/1	Cc2/2	10.98	30.00	✓	Straight	Straight Movement
	3	2	Bc/2	Cc2/3	10.93	30.00	✓	Offside	99.84
	4	2	Bc/2	Cc2/4	6.03	54.00	✓	Straight	Straight Movement

	5	2	B/4	Cc2/5	8.14	40.00	✓	Straight	Straight Movement
	6	2	B/4	Cc2/6	7.93	40.00	✓	Straight	Straight Movement
TC9	2	2	49/1	TC9/2	11.07	30.00	✓	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
Dcf	4	3	Cc2/5	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
xA	2	3	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
Cc2	3	3	B/2	Cc2/3	10.93	30.00	✓	Straight	Straight Movement
	5	3	B/3	Cc2/5	10.86	30.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

Traffic Stream	Description	Controlling type	Controlling traffic stream	Percentage opposing (%)	Slope coefficient	Upstream signals visible
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	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)	✓	User Equilibrium			✓								

Note: Auto Calculate disabled on this Local Matrix - Paths and Flow Allocation might not be up to date.

Normal Input Flows (PCU/hr)

From	To								
		A28	B28	C28	D28	E28	F28	G28	H28
	A28	3	48	365	12	409	7	393	0
	B28	17	0	87	157	446	5	222	0
	C28	347	40	0	282	91	6	446	0

	D28	5	338	310	0	15	7	157	0
	E28	433	538	82	99	1	4	145	0
	F28	60	14	39	40	15	0	37	0
	G28	729	279	876	129	227	5	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	32	I1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	91
	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	360
	49	I1	C28	D28	Df/1, D/1, Ecf/2, Ec/1, xF/1	Normal	282
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	99
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	142
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	4
	100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Normal	257
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	319
	103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
	105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	0
	107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	48
	110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	3
	112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	37
	113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	4
	125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	658

137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	0
138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	0
140		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	214
141		B28	F28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	5
142		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
144		B28	G28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	8
145		B28	H28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
146		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
147		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
148		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
149		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	17
150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	281
151		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
152		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
153		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	14
154		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
155		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
156		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
157		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
158		A28	G28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	291
159		A28	H28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
160		B28	D28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	157
161		B28	E28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	10
162		B28	D28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
163		B28	E28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	20
164		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
165		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	83
167		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
168		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal	670
169		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	14
170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	265

17 1		G28	H28	49/1, TC9/1, TC43/1	Normal	0
17 2		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
17 3		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	40
17 4		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
17 5		A28	D28	50/1, Bf/2, B/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
17 6		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
17 7		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
17 8		B28	E28	48/1, Cf/1, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	20
17 9		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	20
18 0		A28	H28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
18 1		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	39
18 2		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
18 3		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
18 4		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	60
18 5		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	0
18 6		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	46
18 7		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
18 8		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
18 9		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
19 0		G28	D28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
19 1		D28	F28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
19 2		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
19 3		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
19 4		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
19 5		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	157
19 6		D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	7
19 7		D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
19 8		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	1
19 9		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	336
20 0		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	2
20 1		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
20 2		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
20 3		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0

205		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
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
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	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	Normal	310
249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/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	0
283		E28	B28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
284		E28	B28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
285		E28	B28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
286		E28	B28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
307		G28	C28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
317		C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	246
318		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
319		C28	B28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
320		C28	B28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
322		C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	16
323		C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	6
324		C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	184
325		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
330		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	157
331		C28	B28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
332		C28	B28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
334		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
342		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	3
343		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	37
364		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
379		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
380		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
381		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
382		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
383		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
384		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0

385		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
386		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
387		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	3
388		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
389		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
390		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
391		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
392		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
393		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
394		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
395		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
396		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
397		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
398		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
399		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
400		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
401		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	5
402		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
403		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
404		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
405		A28	F28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
406		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
407		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
408		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
409		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
410		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
411		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
412		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
413		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
414		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
415		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	12
417		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	160
418		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	218

423		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
424		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
425		E28	C28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	44
428		E28	C28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	38
431		D28	C28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
439		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
440		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
441		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
442		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
443		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
444		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
445		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
446		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
447		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
448		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
449		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
450		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
451		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	129
452		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	227
453		A28	D28	50/1, Bf/2, B/4, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
454		A28	E28	50/1, Bf/2, B/4, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
455		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
456		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	1
457		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
458		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	15
459		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
460		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	15
461		A28	E28	50/1, Bf/2, B/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
462		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	102
463		A28	F28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	7
464		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
465		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	249
466		A28	D28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0

467		G28	A28	49/1, TC9/1, Af/1, A/2, Bcf/2, xB/1	Normal	59
468		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
469		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
470		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
471		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
472		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
473		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	131
474		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	73
475		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
476		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	4
477		H28	A28	TC42/1, Af/1, A/2, Bcf/2, xB/1	Normal	0
478		F28	A28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, xB/1	Normal	60

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 saturation flow (PCU/hr)	Actual green (s (per cycle))	Calculated capacity (PCU/hr)	Degree of saturation (%)	Practical reserve capacity (%)	Mean Delay per Veh (s)	Mean maximum queue (PCU)	Utilised storage (%)	Journey Time (s)
16:30-17:30	A	1	(untitled)	E	670	2050	21	752	89	1	32.49	10.75	83.11	38.07
		2	(untitled)	E	669	2050	21	752	89	1	33.32	11.18	83.79	39.07
		3	(untitled)	E	658	2050	21	752	88	3	30.48	12.34	90.52	36.36
		4	(untitled)	E	416	2050	21	752	55	63	16.17	5.76	41.36	22.18
	Ac	1	(untitled)	D	598	2263	29	1132	53	70	8.97	5.08	30.47	16.16
		2	(untitled)	D	628	2263	29	1089	58	56	4.37	2.65	16.51	13.87
		3	(untitled)	D	326	2263	29	1132	29	212	0.66	0.06	0.40	7.26

	Acf	1	(untitled)		1226	2263	60	2263	54	66	0.94	0.32	2.64	6.16
		2	(untitled)		326	2263	60	2263	14	525	0.13	0.01	0.10	7.38
	Af	1	(untitled)		1339	2050	60	2050	65	38	1.65	0.61	6.58	8.07
		2	(untitled)		658	2050	60	2050	32	180	0.41	0.08	0.82	6.80
		3	(untitled)		416	2050	60	2050	20	344	0.22	0.03	0.28	6.58
	B	1	(untitled)	B	367	2050	12	444	83	9	40.4 6	7.09	43.04	47.56
		2	(untitled)	B	295	2150	12	319	93	-3	73.4 3	8.07	47.77	80.72
		3	(untitled)	B	281	2100	12	391	72	25	33.5 3	4.71	27.19	41.01
		4	(untitled)	B	294	2050	12	444	66	36	29.3 0	5.00	28.08	41.59
	Bc	1	(untitled)	A	970	2050	36	1264	77	17	9.82	11.3 1	48.95	21.78
		2	(untitled)	A	968	2050	36	1264	77	18	7.19	7.19	31.43	19.02
		3	(untitled)	A	432	2050	36	1264	34	163	1.02	0.19	0.84	12.73
	Bcf	1	(untitled)		1268	2263	60	2263	56	61	1.01	0.36	3.26	5.37
		2	(untitled)		1297	2263	60	2263	57	57	1.07	0.38	3.53	6.40
		3	(untitled)		968	2263	60	2263	43	110	0.59	0.16	1.47	6.35
		4	(untitled)		432	2263	60	2263	19	371	0.19	0.02	0.21	6.69
	Bf	1	(untitled)		662	1800	60	1800	37	145	0.58	0.11	0.27	27.92
		2	(untitled)		575	1800	60	1800	32	182	0.47	0.07	0.19	27.88
	C	1	(untitled)	G	87	2100	14	525	17	443	18.2 9	1.47	6.96	32.83
		2	(untitled)	G	227	2200	14	550	41	118	21.1 5	3.23	15.16	35.87
		3	(untitled)	G	244	2050	14	513	48	89	22.3 9	3.54	16.35	37.32
	Cf	1	(untitled)		274	1965	60	1965	14	545	0.15	0.01	0.04	17.50
		2	(untitled)		284	1965	60	1965	14	523	0.15	0.01	0.05	17.66
	D	1	(untitled)	B	373	2050	12	444	84	7	42.1 7	7.37	77.04	46.29
		2	(untitled)	B	206	1850	12	401	51	75	25.4 3	3.08	32.15	29.56
		3	(untitled)	B	306	2250	12	488	63	43	27.4 7	4.69	50.98	31.43
		4	(untitled)	B	328	2250	12	488	67	34	29.0 2	5.40	55.98	33.17
	Dc	1	(untitled)	A	449	2100	38	1365	33	174	5.87	1.99	22.45	11.98
		2	(untitled)	A	626	2100	38	1365	46	96	11.2 3	7.32	85.93	17.10
		3	(untitled)	A	333	2100	38	1365	24	269	0.58	0.11	1.40	6.22
		4	(untitled)	A	319	2100	38	1365	23	285	0.72	0.12	1.50	6.13
	Dcf	1	(untitled)		741	2050	60	2050	36	149	0.50	0.10	0.90	5.40

		2	(untitled)		1018	2100	60	2100	48	86	0.81	0.23	2.01	5.70
		3	(untitled)		449	2100	60	2100	21	321	0.23	0.03	0.25	7.84
		4	(untitled)		626	2100	60	1938	32	179	1.15	2.00	17.01	8.36
		5	(untitled)		333	2100	60	2100	16	468	0.16	0.01	0.13	6.14
		6	(untitled)		319	2050	60	2050	16	478	0.16	0.01	0.12	8.10
	Df	1	(untitled)		579	1900	60	1900	30	195	0.42	0.07	0.19	24.42
		2	(untitled)		634	2250	60	2250	28	219	0.31	0.06	0.16	24.31
	Dxp	1	(untitled)	D	741	2050	42	1469	50	78	2.60	1.83	23.01	6.03
		2	(untitled)	D	1018	2050	42	1469	69	30	3.34	4.26	50.89	6.94
	Ec	1	(untitled)	F	620	2150	37	1362	46	98	7.51	3.72	42.67	11.26
		2	(untitled)	F	539	2263	37	1433	38	139	7.75	4.01	47.64	11.38
		3	(untitled)	F	605	2263	37	1433	42	113	1.52	4.82	59.20	5.03
		4	(untitled)	F	308	2250	37	1425	22	316	1.19	0.31	3.99	6.60
	Ecf	1	(untitled)		540	2100	60	2100	26	250	0.30	0.04	0.56	3.74
		2	(untitled)		908	2100	60	2100	43	108	0.65	0.16	2.04	4.13
		3	(untitled)		539	2263	60	2263	24	278	0.25	0.04	0.46	4.58
		4	(untitled)		605	2300	60	2300	26	242	0.28	0.05	0.57	4.92
		5	(untitled)		348	2300	60	2300	15	495	0.14	0.01	0.16	5.84
	Ef	1	(untitled)		764	1900	60	1900	40	124	0.64	0.14	0.61	15.94
		2	(untitled)		538	1900	60	1900	28	218	0.37	0.06	0.25	15.68
	Exp	1	(untitled)	L	540	2050	42	1469	37	145	3.43	4.85	53.80	7.32
		2	(untitled)	L	288	2050	42	1469	20	359	0.30	0.02	0.26	4.33
	F	1	(untitled)	B	164	2100	10	385	43	111	25.1 7	2.52	17.02	31.55
		2	(untitled)	B	343	2100	10	385	89	1	56.0 7	8.15	54.67	62.50
		3	(untitled)	B	325	2100	10	385	84	7	46.7 5	6.92	45.60	53.29
	Fc	1	(untitled)	A	685	2263	40	1397	49	84	2.82	2.26	7.10	22.05
		2	(untitled)	A	725	2263	40	1349	54	68	2.49	3.87	12.26	21.44
		3	(untitled)	A	707	2263	40	1420	50	81	4.33	7.11	22.66	23.86
	Ff	1	(untitled)		507	1900	60	1900	27	237	0.34	0.05	0.10	33.43
		2	(untitled)		325	1900	60	1900	17	426	0.20	0.02	0.04	33.24
	G	1	(untitled)	F	284	2050	14	493	58	56	23.3 2	5.55	20.55	39.30
		2	(untitled)	F	294	2050	14	493	60	51	28.3 5	7.41	28.06	39.74

	Gf	1	(untitled)		281	2050	60	2050	14	557	0.14	0.01	0.15	3.18
		2	(untitled)		257	2050	60	2050	13	618	0.13	0.01	0.13	3.13
	xA	1	(untitled)		665	2263	60	2152	31	191	1.07	2.79	7.00	18.30
		2	(untitled)		732	2263	60	2263	32	178	0.38	0.08	0.19	17.63
	xB	1	(untitled)		1595	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	6.52
	xC	1	(untitled)		648	1900	60	865	75	20	13.51	8.13	40.43	22.18
		2	(untitled)		609	1900	60	908	67	34	9.35	7.67	38.03	18.05
	xD	1	(untitled)		741	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.11
		2	(untitled)		1018	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.16
	xE	1	(untitled)		540	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		288	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	xF	1	(untitled)		719	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
	Cc1	1	(untitled)	E	679	2050	31	1070	63	42	11.55	8.28	49.65	18.10
	E1	1	(untitled)	G	365	2050	12	444	82	10	39.97	7.01	50.40	45.97
		2	(untitled)	G	399	2200	12	477	84	8	40.59	7.70	55.34	46.59
	Gf1	1	(untitled)		40	692	60	692	6	1457	0.16	0.00	0.02	5.90
	Cc2	2	(untitled)	D	658	2150	32	1163	57	59	6.48	5.60	35.21	16.13
		3	(untitled)	D	421	2050	32	1128	37	141	0.95	0.11	0.70	10.77
		4	(untitled)	D	1014	2150	32	1173	86	4	16.98	10.52	66.90	23.10
		5	(untitled)	D	541	2050	32	1128	48	88	3.50	2.60	16.50	10.50
		6	(untitled)	D	294	2050	32	1128	26	245	1.48	5.89	38.47	9.41
	E2	3	(untitled)	H	281	2150	12	454	62	45	27.70	4.32	46.63	31.69
		4	(untitled)	H	257	2050	12	444	58	56	26.57	3.89	41.18	30.64
	TC5	2	(untitled)	A	631	2263	41	1622	39	131	4.12	2.96	73.82	6.89
		3	(untitled)	A	732	2263	41	1622	45	99	0.91	0.19	4.63	3.67
		4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	1226	1925	42	1444	85	6	11.99	14.19	88.98	22.99
		2	(untitled)	B	658	1966	42	1475	45	102	3.80	3.66	22.80	14.87
		3	(untitled)	B	361	1947	42	1460	25	264	2.72	1.75	10.85	13.84
	TC35	1	(untitled)	A	34	1900	41	1362	2	3504	2.46	0.12	2.78	5.36
	TC36	1	(untitled)		205	1800	60	1800	11	690	0.13	0.01	0.17	3.16
	TC37	1	(untitled)	J	37	1850	44	1388	3	3275	2.04	0.15	2.00	5.23

	TC3 8	1	(untitled)		37	442	60	442	8	974	0.87	2.42	65.25	2.41
	TC3 9	2	(untitled)		631	2263	60	2263	28	223	0.31	0.05	0.88	2.84
		3	(untitled)		732	2263	60	2263	32	178	0.38	0.08	1.34	2.78
	TC4 0	2	(untitled)		668	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		732	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC4 1	1	(untitled)	D	168	1850	8	278	61	49	33.6 1	2.97	31.21	37.54
	TC4 2	1	(untitled)	E	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC4 3	1	(untitled)		0	1800	60	1800	0	Unrestricted	0.00	0.00	0.00	0.00
	47	1	(untitled)		1257	1300	60	1300	97	-7	27.2 2	9.51	40.90	43.26
	48	1	(untitled)		558	1965	60	1965	28	217	0.36	0.06	0.59	6.98
	49	1	(untitled)		1226	1900	60	1900	65	39	1.72	0.58	12.81	4.87
		2	(untitled)		1019	1900	60	1900	54	68	1.09	0.31	6.78	4.24
	50	1	(untitled)		1237	1900	60	1900	65	38	1.76	0.61	7.23	7.54
	51	1	(untitled)		832	1900	60	1900	44	106	0.74	0.17	2.61	5.23

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	31	3	32	1	7
	2	✓	2	B	14	26	12	1	7
769-2	1	✓	4	D,E,H,I	24	47	23	1	1
	2	✓	5	F,G,J,K	1	9	8	1	7
770-1	1	✓	1	A,C	6	42	36	1	5
	2	✓	2	B	49	1	12	1	7
770-2	1	✓	4	D	19	1	42	1	7
	2	✓	5	E	6	12	6	1	5
770-3	1	✓	7	F,I,J	43	15	32	1	2
	2	✓	9	G,H	26	31	5	1	1
770-4	1	✓	11	L	12	54	42	1	7
	2	✓	12	M	59	5	6	1	6
771-1	1	✓	1	A,C	47	21	34	1	9
	2	✓	3	B	32	42	10	1	7
771-2	1	✓	5	D	42	11	29	1	7
	2	✓	6	E	16	37	21	1	7
TC777-1	1	✓	1	A,B,F	5	46	41	1	7
	2	✓	5	D,H,I	53	59	6	1	6
TC777-2	1	✓	1	J	45	29	44	1	7
	2	✓	2	K	34	40	6	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	✓	74.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0

	2	✓	76.69	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	3	✓	78.40	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	4	✓	80.11	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Ac	1	✓	95.80	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	92.34	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	87.95	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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	20	0
	2	✓	97.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	20	0
	3	✓	99.69	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	4	✓	102.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Bc	1	✓	132.85	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	2	✓	131.47	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	3	✓	130.10	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
Bcf	1	✓	62.77	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	62.62	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.46	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	62.38	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	20	0
	2	✓	122.73	CTM	0.00	Normal	✓	✓		Directly entered	2200	20	0
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
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	20	0
	2		55.00	CTM	0.00	Normal	✓	✓		Directly entered	1850	20	0
	3	✓	52.87	CTM	0.00	Normal	✓	✓		Directly entered	2250	20	0

	4	✓	55.42	CTM	0.00	Normal	✓	✓		Directly entered	2250	20	0
Dc	1	✓	50.91	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	2	✓	48.96	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	3	✓	47.02	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	4	✓	45.07	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
Dcf	1	✓	65.43	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	65.28	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	65.54	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	67.69	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	66.13	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	6	✓	66.17	CTM	0.00	Normal	✓			Directly entered	2050	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	✓	45.75	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	48.11	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ec	1	✓	50.09	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	46.77	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	4	✓	45.11	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	500
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	✓	46.95	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	47.51	CTM	0.00	Normal	✓			Directly entered	2300	100	100
	5	✓	48.55	CTM	0.00	Normal	✓			Directly entered	2300	100	100
Ef	1	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	1	✓	51.83	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.71	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	1	✓	85.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	3	✓	87.25	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
Fc	1	✓	183.21	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500

	2	✓	181.45	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	180.28	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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	500
	2	✓	151.80	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
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	✓	77.45	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	✓	121.44	NetworkDefault	0.00	Normal						100	100
	2	✓	122.12	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	20	0
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	20	0
Gf1	1	✓	47.81	NetworkDefault	0.00	Normal			✓			100	100
Cc2	2	✓	91.52	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	3	✓	91.11	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	4	✓	90.39	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	5	✓	90.48	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	6	✓	88.08	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
E2	3	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	20	0
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
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	✓	92.21	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	6	0.00	0.00
		2	0	0	6	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	6	0.00	0.00
		2	0	0	6	0.00	0.00
	4	1	0	0	36	0.00	0.00
		2	0	0	36	0.00	0.00
	5	1	0	0	36	0.00	0.00
		2	0	0	36	0.00	0.00
	6	1	0	0	0	0.00	0.00

	7	2	0	0	0	0.00	0.00
		1	0	0	34	0.00	0.00
	8	2	0	0	34	0.00	0.00
		1	0	0	32	0.00	0.00
	9	2	0	0	32	0.00	0.00
		1	0	0	11	0.00	0.00
	10	2	0	0	11	0.00	0.00
		1	0	0	16	0.00	0.00
	11	2	0	0	16	0.00	0.00
		1	0	0	29	0.00	0.00
	12	2	0	0	29	0.00	0.00
		1	0	0	29	0.00	0.00
	13	2	0	0	29	0.00	0.00
		1	0	0	8	0.00	0.00
	14	2	0	0	8	0.00	0.00
		1	0	0	42	0.00	0.00
	15	2	0	0	42	0.00	0.00
		1	0	0	0	0.00	0.00
	16	2	0	0	0	0.00	0.00
		1	0	0	6	0.00	0.00
	17	2	0	0	6	0.00	0.00
		1	0	0	6	0.00	0.00

Collections

Point to Point Journey Time

Note: Auto Calculate disabled on this Local Matrix (Paths and Flow Allocation might not be up to date).

Average Journey Time (s) for Local Matrix: 1

	To								
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	179.9	159.3	119.6	125.8	154.2	157.2	160.0	0.0
	B28	176.2	0.0	85.7	117.4	95.7	140.2	148.1	0.0
	C28	128.3	174.4	0.0	91.9	105.0	106.1	115.0	0.0
	D28	132.1	234.6	183.4	0.0	189.7	102.5	111.7	0.0
	E28	117.6	155.2	177.3	74.1	194.2	107.5	115.1	0.0
	F28	108.4	190.1	152.6	150.9	151.2	0.0	15.0	0.0
	G28	86.0	173.4	133.3	133.5	127.0	164.7	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Normal journey dist (m)	Bus journeydist (m)	Tram journey dist (m)	Pedestrian journey dist (m)	Calculated Total Flow (PCU/hr)	Avg journey time (s)	Avg journey dist (m)
32	C28	E28	91	104.95	526.66	0.00	0.00	0.00	91	104.95	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	360	117.75	693.45	0.00	0.00	0.00	360	117.75	693.45
49	C28	D28	282	91.89	514.00	0.00	0.00	0.00	282	91.89	514.00
50	E28	D28	99	74.10	370.08	0.00	0.00	0.00	99	74.10	370.08
68	E28	G28	142	115.15	737.43	0.00	0.00	0.00	142	115.15	737.43
92	E28	F28	4	107.53	644.57	0.00	0.00	0.00	4	107.53	644.57

100	E28	B28	257	153.97	623.35	0.00	0.00	0.00	257	153.97	623.35
102	A28	C28	319	113.73	694.76	0.00	0.00	0.00	319	113.73	694.76
103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
107	A28	B28	48	159.30	716.08	0.00	0.00	0.00	48	159.30	716.08
110	E28	G28	3	112.97	731.08	0.00	0.00	0.00	3	112.97	731.08
112	F28	G28	37	15.02	149.60	0.00	0.00	0.00	37	15.02	149.60
113	F28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
115	B28	C28	4	87.48	556.36	0.00	0.00	0.00	4	87.48	556.36
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
130	G28	C28	658	129.37	769.88	0.00	0.00	0.00	658	129.37	769.88
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
140	B28	G28	214	148.03	1063.74	0.00	0.00	0.00	214	148.03	1063.74
141	B28	F28	5	140.16	970.89	0.00	0.00	0.00	5	140.16	970.89
142	B28	G28	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	B28	G28	8	150.72	1054.40	0.00	0.00	0.00	8	150.72	1054.40
145	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
146	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
147	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
148	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
149	B28	A28	17	176.20	1016.14	0.00	0.00	0.00	17	176.20	1016.14
150	E28	B28	281	156.38	625.89	0.00	0.00	0.00	281	156.38	625.89
151	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
152	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
153	F28	B28	14	190.06	750.62	0.00	0.00	0.00	14	190.06	750.62
154	E28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
155	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
156	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	A28	G28	291	158.26	1196.15	0.00	0.00	0.00	291	158.26	1196.15
159	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
160	B28	D28	157	117.41	698.10	0.00	0.00	0.00	157	117.41	698.10
161	B28	E28	10	98.27	713.02	0.00	0.00	0.00	10	98.27	713.02
162	B28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
163	B28	E28	20	98.43	714.28	0.00	0.00	0.00	20	98.43	714.28
164	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
165	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
166	B28	C28	83	85.62	553.47	0.00	0.00	0.00	83	85.62	553.47
167	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
168	G28	A28	670	85.53	386.06	0.00	0.00	0.00	670	85.53	386.06
169	G28	B28	14	176.22	788.72	0.00	0.00	0.00	14	176.22	788.72
170	G28	B28	265	173.30	789.10	0.00	0.00	0.00	265	173.30	789.10
171	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
172	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
173	F28	D28	40	150.85	871.57	0.00	0.00	0.00	40	150.85	871.57
174	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
175	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
176	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
177	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
178	B28	E28	20	93.64	710.57	0.00	0.00	0.00	20	93.64	710.57
179	B28	E28	20	93.80	711.82	0.00	0.00	0.00	20	93.80	711.82
180	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
181	F28	C28	39	152.59	729.68	0.00	0.00	0.00	39	152.59	729.68
182	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

183	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
184	C28	A28	60	127.42	834.22	0.00	0.00	0.00	60	127.42	834.22
185	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
186	A28	C28	46	160.71	699.04	0.00	0.00	0.00	46	160.71	699.04
187	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
188	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
189	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
190	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
191	D28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
192	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
193	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
194	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
195	D28	G28	157	111.74	744.99	0.00	0.00	0.00	157	111.74	744.99
196	D28	F28	7	102.53	652.14	0.00	0.00	0.00	7	102.53	652.14
197	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
198	D28	A28	1	128.11	704.54	0.00	0.00	0.00	1	128.11	704.54
199	D28	B28	336	234.61	1101.39	0.00	0.00	0.00	336	234.61	1101.39
200	D28	B28	2	227.15	1101.77	0.00	0.00	0.00	2	227.15	1101.77
201	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
202	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
203	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
205	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
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
246	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
248	D28	C28	310	183.37	1078.32	0.00	0.00	0.00	310	183.37	1078.32
249	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
252	F28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
283	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
284	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
285	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
286	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
307	G28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
317	C28	G28	246	116.04	870.70	0.00	0.00	0.00	246	116.04	870.70
318	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
319	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
320	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
322	C28	G28	16	113.73	880.26	0.00	0.00	0.00	16	113.73	880.26
323	C28	F28	6	106.12	787.41	0.00	0.00	0.00	6	106.12	787.41
324	C28	G28	184	113.69	875.68	0.00	0.00	0.00	184	113.69	875.68
325	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
330	C28	A28	157	127.55	834.99	0.00	0.00	0.00	157	127.55	834.99
331	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
332	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
334	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
342	C28	B28	3	188.05	756.38	0.00	0.00	0.00	3	188.05	756.38
343	C28	B28	37	173.14	753.20	0.00	0.00	0.00	37	173.14	753.20
364	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
379	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
380	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
381	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
382	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
383	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
384	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
385	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
386	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

387	A28	A28	3	179.93	1157.89	0.00	0.00	0.00	3	179.93	1157.89
388	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
389	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
390	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
391	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
392	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
393	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
394	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
395	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
396	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
397	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
398	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
399	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
400	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
401	G28	F28	5	164.73	1180.56	0.00	0.00	0.00	5	164.73	1180.56
402	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
403	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
404	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
405	A28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
406	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
407	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
408	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
409	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
410	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
411	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
412	F28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
413	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
414	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
415	A28	D28	12	125.84	843.04	0.00	0.00	0.00	12	125.84	843.04
417	A28	E28	160	124.31	855.50	0.00	0.00	0.00	160	124.31	855.50
418	G28	C28	218	145.36	767.78	0.00	0.00	0.00	218	145.36	767.78
423	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
424	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
425	E28	C28	44	172.01	1070.52	0.00	0.00	0.00	44	172.01	1070.52
428	E28	C28	38	183.28	1069.36	0.00	0.00	0.00	38	183.28	1069.36
431	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
439	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
440	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
441	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
442	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
443	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
444	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
445	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
446	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
447	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
448	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
449	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
450	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
451	G28	D28	129	133.48	910.65	0.00	0.00	0.00	129	133.48	910.65
452	G28	E28	227	126.95	925.57	0.00	0.00	0.00	227	126.95	925.57
453	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
454	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
455	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
456	E28	E28	1	194.22	1219.72	0.00	0.00	0.00	1	194.22	1219.72
457	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
458	D28	E28	15	189.66	1232.00	0.00	0.00	0.00	15	189.66	1232.00

459	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
460	F28	E28	15	151.17	886.49	0.00	0.00	0.00	15	151.17	886.49
461	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
462	A28	G28	102	164.80	1205.17	0.00	0.00	0.00	102	164.80	1205.17
463	A28	F28	7	157.19	1112.32	0.00	0.00	0.00	7	157.19	1112.32
464	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
465	A28	E28	249	173.30	852.36	0.00	0.00	0.00	249	173.30	852.36
466	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
467	G28	A28	59	91.26	388.25	0.00	0.00	0.00	59	91.26	388.25
468	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
469	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
470	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
471	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
472	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
473	C28	A28	131	129.66	831.37	0.00	0.00	0.00	131	129.66	831.37
474	E28	A28	73	117.09	690.99	0.00	0.00	0.00	73	117.09	690.99
475	E28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
476	D28	A28	4	133.47	700.92	0.00	0.00	0.00	4	133.47	700.92
477	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
478	F28	A28	60	108.41	350.15	0.00	0.00	0.00	60	108.41	350.15

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 greens (per cycle)	Wasted time total (s per cycle)	Degree of saturation (%)	Practical reserve capacity (%)	Journey Time (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	670	2050	21	0.00	89	1	38.07	32.49	87.87	10.75	20	0	0.00	17.18
	2	(untitled)	6	771-2	E	669	2050	21	0.00	89	1	39.07	33.32	96.03	11.18	20	0	0.00	17.59
	3	(untitled)	6	771-2	E	658	2050	21	0.00	88	3	36.36	30.48	96.97	12.34	20	0	0.00	15.82
	4	(untitled)	6	771-2	E	416	2050	21	0.00	55	63	22.18	16.17	74.89	5.76	20	0	0.00	5.31
Ac	1	(untitled)	6	771-2	D	598	2263	29	9.00	53	70	16.16	8.97	48.71	5.08	100	500	0.00	67.91
	2	(untitled)	6	771-2	D	628	2263	29	5.13	58	56	13.87	4.37	29.95	2.65	100	500	0.00	26.87
	3	(untitled)	6	771-2	D	326	2263	29	19.00	29	212	7.26	0.66	1.13	0.06	100	500	0.00	1.44
Ac f	1	(untitled)	6			1226	2263	60	20.00	54	66	6.16	0.94	0.00	0.32	100	100	0.00	4.54
	2	(untitled)	6			326	2263	60	49.00	14	525	7.38	0.13	0.00	0.01	100	100	0.00	0.17
Af	1	(untitled)	6			1339	2050	60	6.00	65	38	8.07	1.65	0.00	0.61	100	100	0.00	8.70
	2	(untitled)	6			658	2050	60	15.00	32	180	6.80	0.41	0.00	0.08	100	100	0.00	1.08
	3	(untitled)	6			416	2050	60	9.00	20	344	6.58	0.22	0.00	0.03	100	100	0.00	0.37

B	1	(untitled)	1	769-1	B	367	2050	12	0.00	83	9	47.56	40.46	113.31	7.09	20	0	0.00	11.71
	2	(untitled)	1	769-1	B	295	2150	12	4.11	93	-3	80.72	73.43	149.30	8.07	20	0	0.00	17.09
	3	(untitled)	1	769-1	B	281	2100	12	1.82	72	25	41.01	33.53	99.80	4.71	20	0	0.00	7.43
	4	(untitled)	1	769-1	B	294	2050	12	0.00	66	36	41.59	29.30	97.92	5.00	20	0	0.00	6.79
Bc	1	(untitled)	1	769-1	A	970	2050	36	7.00	77	17	21.78	9.82	49.20	11.31	100	500	0.00	90.78
	2	(untitled)	1	769-1	A	968	2050	36	7.00	77	18	19.02	7.19	20.63	7.19	100	500	0.00	49.71
	3	(untitled)	1	769-1	A	432	2050	36	8.00	34	163	12.73	1.02	2.64	0.19	100	500	0.00	3.01
Bc f	1	(untitled)	1			1268	2263	60	17.00	56	61	5.37	1.01	0.00	0.36	100	100	0.00	5.06
	2	(untitled)	1			1297	2263	60	12.00	57	57	6.40	1.07	0.00	0.38	100	100	0.00	5.45
	3	(untitled)	1			968	2263	60	27.00	43	110	6.35	0.59	0.00	0.16	100	100	0.00	2.27
	4	(untitled)	1			432	2263	60	29.00	19	371	6.69	0.19	0.00	0.02	100	100	0.00	0.32
Bf	1	(untitled)	1			662	1800	60	0.00	37	145	27.92	0.58	0.00	0.11	100	100	0.00	1.52
	2	(untitled)	1			575	1800	60	0.00	32	182	27.88	0.47	0.00	0.07	100	100	0.00	1.06
C	1	(untitled)	2	769-2	G	87	2100	14	0.00	17	443	32.83	18.29	76.13	1.47	20	0	0.00	1.26
	2	(untitled)	2	769-2	G	227	2200	14	0.00	41	118	35.87	21.15	85.30	3.23	20	0	0.00	3.79
	3	(untitled)	2	769-2	G	244	2050	14	0.00	48	89	37.32	22.39	86.87	3.54	20	0	0.00	4.31
Cf	1	(untitled)	2			274	1965	60	0.00	14	545	17.50	0.15	0.00	0.01	100	100	0.00	0.16
	2	(untitled)	2			284	1965	60	0.00	14	523	17.66	0.15	0.00	0.01	100	100	0.00	0.17
D	1	(untitled)	3	770-1	B	373	2050	12	0.00	84	7	46.29	42.17	115.71	7.37	20	0	0.00	12.41
	2	(untitled)	3	770-1	B	206	1850	12	0.00	51	75	29.56	25.43	89.30	3.08	20	0	0.00	4.13
	3	(untitled)	3	770-1	B	306	2250	12	0.00	63	43	31.43	27.47	91.65	4.69	20	0	0.00	6.63
	4	(untitled)	3	770-1	B	328	2250	12	0.00	67	34	33.17	29.02	95.16	5.40	20	0	0.00	7.51
Dc	1	(untitled)	3	770-1	A	449	2100	38	20.00	33	174	11.98	5.87	26.56	1.99	100	500	0.00	17.87
	2	(untitled)	3	770-1	A	626	2100	38	8.00	46	96	17.10	11.23	70.60	7.32	100	500	0.00	55.43
	3	(untitled)	3	770-1	A	333	2100	38	13.00	24	269	6.22	0.58	2.06	0.11	100	500	0.00	1.19
	4	(untitled)	3	770-1	A	319	2100	38	20.00	23	285	6.13	0.72	2.20	0.12	100	500	0.00	1.35
Dc f	1	(untitled)	3			741	2050	60	19.00	36	149	5.40	0.50	0.00	0.10	100	100	0.00	1.45
	2	(untitled)	3			1018	2100	60	28.00	48	86	5.70	0.81	0.00	0.23	100	100	0.00	3.23
	3	(untitled)	3			449	2100	60	41.00	21	321	7.84	0.23	0.00	0.03	100	100	0.00	0.41
	4	(untitled)	3			626	2100	60	22.64	32	179	8.36	1.15	15.46	2.00	100	100	0.00	4.61
	5	(untitled)	3			333	2100	60	35.00	16	468	6.14	0.16	0.00	0.01	100	100	0.00	0.21

	6	(untitled)	3			319	2050	60	41.00	16	478	8.10	0.16	0.00	0.01	100	100	0.00	0.20
Df	1	(untitled)	3-2			579	1900	60	0.00	30	195	24.42	0.42	0.00	0.07	100	100	0.00	0.95
	2	(untitled)	3-2			634	2250	60	0.00	28	219	24.31	0.31	0.00	0.06	100	100	0.00	0.78
Dxp	1	(untitled)	3-2	770-2	D	741	2050	42	10.00	50	78	6.03	2.60	14.24	1.83	100	100	0.00	11.00
	2	(untitled)	3-2	770-2	D	1018	2050	42	8.00	69	30	6.94	3.34	13.22	4.26	100	100	0.00	17.71
Ec	1	(untitled)	4	770-3	F	620	2150	37	10.00	46	98	11.26	7.51	36.52	3.72	100	500	0.00	54.70
	2	(untitled)	4	770-3	F	539	2263	37	14.00	38	139	11.38	7.75	45.67	4.01	100	500	0.00	55.99
	3	(untitled)	4	770-3	F	605	2263	37	14.00	42	113	5.03	1.52	11.45	4.82	100	500	0.00	14.74
	4	(untitled)	4	770-3	F	308	2250	37	24.00	22	316	6.60	1.19	6.10	0.31	100	500	0.00	2.63
Ecf	1	(untitled)	4			540	2100	60	28.00	26	250	3.74	0.30	0.00	0.04	100	100	0.00	0.63
	2	(untitled)	4			908	2100	60	16.00	43	108	4.13	0.65	0.00	0.16	100	100	0.00	2.34
	3	(untitled)	4			539	2263	60	21.00	24	278	4.58	0.25	0.00	0.04	100	100	0.00	0.53
	4	(untitled)	4			605	2300	60	29.00	26	242	4.92	0.28	0.00	0.05	100	100	0.00	0.67
	5	(untitled)	4			348	2300	60	41.00	15	495	5.84	0.14	0.00	0.01	100	100	0.00	0.19
Ef	1	(untitled)	4			764	1900	60	0.00	40	124	15.94	0.64	0.00	0.14	100	100	0.00	1.92
	2	(untitled)	4			538	1900	60	0.00	28	218	15.68	0.37	0.00	0.06	100	100	0.00	0.79
Exp	1	(untitled)	4-2	770-4	L	540	2050	42	22.00	37	145	7.32	3.43	29.05	4.85	100	100	0.00	12.34
	2	(untitled)	4-2	770-4	L	288	2050	42	25.00	20	359	4.33	0.30	0.00	0.02	100	100	0.00	0.34
F	1	(untitled)	5	771-1	B	164	2100	10	0.00	43	111	31.55	25.17	88.87	2.52	20	0	0.00	3.26
	2	(untitled)	5	771-1	B	343	2100	10	0.00	89	1	62.50	56.07	135.44	8.15	20	0	0.00	15.17
	3	(untitled)	5	771-1	B	325	2100	10	0.00	84	7	53.29	46.75	122.54	6.92	20	0	0.00	11.99
Fc	1	(untitled)	5	771-1	A	685	2263	40	12.96	49	84	22.05	2.82	28.77	2.26	100	500	0.00	23.86
	2	(untitled)	5	771-1	A	725	2263	40	13.22	54	68	21.44	2.49	22.39	3.87	100	500	0.00	20.59
	3	(untitled)	5	771-1	A	707	2263	40	19.36	50	81	23.86	4.33	46.04	7.11	100	500	0.00	37.29
Ff	1	(untitled)	5			507	1900	60	0.00	27	237	33.43	0.34	0.00	0.05	100	100	0.00	0.69
	2	(untitled)	5			325	1900	60	0.00	17	426	33.24	0.20	0.00	0.02	100	100	0.00	0.25
G	1	(untitled)	2	769-2	F	284	2050	14	6.59	58	56	39.30	23.32	110.03	5.55	100	500	0.00	52.79
	2	(untitled)	2	769-2	F	294	2050	14	1.59	60	51	39.74	28.35	113.88	7.41	100	500	0.00	86.61
Gf	1	(untitled)	4			281	2050	60	47.00	14	557	3.18	0.14	0.23	0.01	100	100	0.00	0.18
	2	(untitled)	4			257	2050	60	47.00	13	618	3.13	0.13	0.00	0.01	100	100	0.00	0.13
xA	1	(untitled)	10			665	2263	60	23.95	31	191	18.30	1.07	17.12	2.79	100	100	0.00	6.47

	2	(untitled)	10			732	2263	60	35.00	32	178	17.63	0.38	0.00	0.08	100	100	0.00	1.10
xB	1	(untitled)				1595	Unrestricted	60	0.00	0	Unrestricted	6.52	0.00	0.00	0.00	100	100	0.00	0.00
xC	1	(untitled)				648	1900	60	38.68	75	20	22.18	13.51	76.22	8.13	100	100	0.00	50.40
	2	(untitled)				609	1900	60	38.33	67	34	18.05	9.35	68.01	7.67	100	100	0.00	35.76
xD	1	(untitled)				741	Unrestricted	60	9.00	0	Unrestricted	9.11	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				1018	Unrestricted	60	9.00	0	Unrestricted	9.16	0.00	0.00	0.00	100	100	0.00	0.00
xE	1	(untitled)				540	Unrestricted	60	14.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				288	Unrestricted	60	26.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	1	(untitled)				719	Unrestricted	60	0.00	0	Unrestricted	12.19	0.00	0.00	0.00	100	100	0.00	0.00
Cc 1	1	(untitled)	2	769-2	E	679	2050	31	3.70	63	42	18.10	11.55	61.83	8.28	100	100	0.00	47.44
E1	1	(untitled)	4	770-3	G	365	2050	12	0.00	82	10	45.97	39.97	11.268	7.01	20	0	0.00	11.51
	2	(untitled)	4	770-3	G	399	2200	12	0.00	84	8	46.59	40.59	11.354	7.70	20	0	0.00	12.78
Gf 1	1	(untitled)	4			40	692	60	47.00	6	1457	5.90	0.16	0.00	0.00	100	100	0.00	0.03
Cc 2	2	(untitled)	2	769-2	D	658	2150	32	7.56	57	59	16.13	6.48	31.55	5.60	100	500	0.00	34.73
	3	(untitled)	2	769-2	D	421	2050	32	20.00	37	141	10.77	0.95	0.00	0.11	100	500	0.00	1.58
	4	(untitled)	2	769-2	D	1014	2150	32	3.26	86	4	23.10	16.98	54.62	10.52	100	500	0.00	17.810
	5	(untitled)	2	769-2	D	541	2050	32	5.00	48	88	10.50	3.50	14.94	2.60	100	500	0.00	21.59
	6	(untitled)	2	769-2	D	294	2050	32	21.00	26	245	9.41	1.48	26.99	5.89	100	500	0.00	10.56
E2	3	(untitled)	4	770-3	H	281	2150	12	0.33	62	45	31.69	27.70	91.97	4.32	20	0	0.00	6.14
	4	(untitled)	4	770-3	H	257	2050	12	0.00	58	56	30.64	26.57	90.64	3.89	20	0	0.00	5.39
TC 5	2	(untitled)	TC 771-6	TC77 7-1	A	631	2263	41	14.00	39	131	6.89	4.12	28.11	2.96	100	100	0.00	12.49
	3	(untitled)	TC 771-6	TC77 7-1	A	732	2263	41	18.00	45	99	3.67	0.91	0.00	0.19	100	100	0.00	2.63
	4	(untitled)	TC 771-6	TC77 7-1	C	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC 9	1	(untitled)	TC 771-6	TC77 7-1	B	1226	1925	42	0.00	85	6	22.99	11.99	63.11	14.19	100	100	0.00	67.66
	2	(untitled)	TC 771-6	TC77 7-1	B	658	1966	42	0.00	45	102	14.87	3.80	33.11	3.66	100	100	0.00	12.61
	3	(untitled)	TC 771-6	TC77 7-1	B	361	1947	42	0.00	25	264	13.84	2.72	28.68	1.75	100	100	0.00	5.16
TC 35	1	(untitled)	TC 771-6	TC77 7-1	A	34	1900	41	34.00	2	3504	5.36	2.46	20.64	0.12	100	100	0.00	0.42
TC 36	1	(untitled)	TC 771-6			205	1800	60	0.00	11	690	3.16	0.13	0.00	0.01	100	100	0.00	0.10

TC 37	1	(untitled)	TC 771-6	TC77 7-2	J	37	1850	44	44.00	3	3275	5.23	2.04	25.06	0.15	100	100	0.00	0.62
TC 38	1	(untitled)	TC 771-6			37	442	60	50.00	8	974	2.41	0.87	16.31	2.42	100	100	0.00	0.34
TC 39	2	(untitled)	TC 771-6			631	2263	60	31.00	28	223	2.84	0.31	0.00	0.05	100	100	0.00	0.77
	3	(untitled)	TC 771-6			732	2263	60	35.00	32	178	2.78	0.38	0.00	0.08	100	100	0.00	1.10
TC 40	2	(untitled)	TC 771-6			668	Unrestricted	60	17.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC 771-6			732	Unrestricted	60	27.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
TC 41	1	(untitled)	TC 771-6	TC77 7-1	D	168	1850	8	0.00	61	49	37.54	33.61	102.82	2.97	100	100	0.00	28.29
TC 42	1	(untitled)	TC 771-6	TC77 7-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC 43	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			1257	1300	60	2.00	97	-7	43.26	27.22	0.00	9.51	100	100	0.00	134.98
48	1	(untitled)	2			558	1965	60	0.00	28	217	6.98	0.36	0.00	0.06	100	100	0.00	0.80
49	1	(untitled)	TC 771-6			1226	1900	60	0.00	65	39	4.87	1.72	0.00	0.58	100	100	0.00	8.30
	2	(untitled)	TC 771-6			1019	1900	60	0.00	54	68	4.24	1.09	0.00	0.31	100	100	0.00	4.40
50	1	(untitled)	1			1237	1900	60	0.00	65	38	7.54	1.76	0.00	0.61	100	100	0.00	8.59
51	1	(untitled)	4-2			832	1900	60	0.00	44	106	5.23	0.74	0.00	0.17	100	100	0.00	2.42

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 saturation 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	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3-2	770-2	E	0	11000	6	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	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4-2	770-4	M	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
4	1	(untitled)	4	770-3	J	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

TOTAL	5846.82	283.00	20.66	128.55	1004.65	637.16	0.00	1641.82

- < = 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
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Filename: M62 JN 28 CRF Scheme_Mar 20_PF_Sept 20_RevC_mitigation
DS_optA+D_2019+Com+CP+Dev_03.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Option A+D
Report generation date: 24/01/2021 16:22:07

»Network Diagrams
 «A15 - AM Base 2019 + Com Dev + CP + Dev : D15 - AM 2019 + Com Dev + CP + Dev, :
 »Summary
 »Network Options
 »Traffic Nodes
 »Arms and Traffic Streams
 »Pedestrian Crossings
 »Local OD Matrix - Local Matrix: 1
 »Signal Timings
 »Results - Link
 »Results - Traffic Stream
 »Data Entry - Stage Start and End
 »Data Entry - Phase
 »Data Entry - Traffic Stream
 »Data entry - Link
 »Results - Pedestrian
 »Collections
 »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
	AM Base 2019 + Com Dev + CP + Dev - AM 2019 + Com Dev + CP + Dev					
Network	A15 D15	120	8038.52	618.11	136% (TS 50/1)	10 (7%)

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

Enabl e contro ller offset s	Enable fuel consump tion	Ena ble quic k flare s	Displ ay journ ey time result s	Displa y OD matrix distan ces	Displ ay level of servi ce resul ts	Displa y blocki ng and starvat ion results	Displ ay end of red and gree n queu e resul ts	Displ ay exce ss queu e resul ts	Displ ay separ ate unifor m and rando m resul ts	Display unweig hted results	Displa y TRAN SYT 12 style timing s	Displ ay effect ive green s in result s	Displ ay Red- With- Amb er	Displ ay End- Of- Gree n Amb er	Display control ler phase minimu ms

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

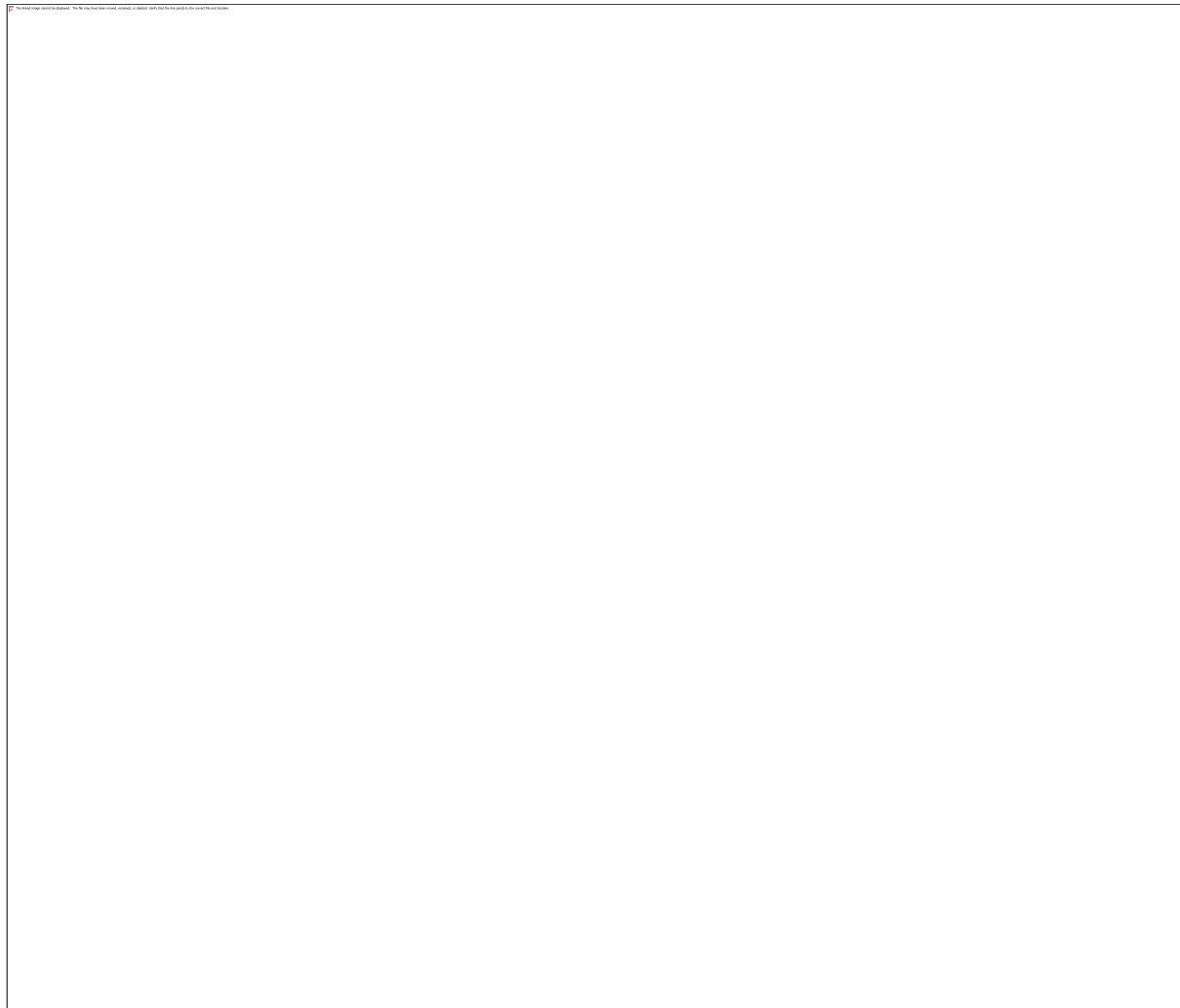
Sorting

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



A15 - AM Base 2019 + Com Dev + CP + Dev D15 - AM 2019 + Com Dev + CP + 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: Auto Calculate option is switched off - OD flows will not be allocated automatically to the network.
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

Anal ysis set used	Run start time	Run finish time	Run durat ion (s)	Model ling start time (HH:m m)	Netw ork Cycl e Time (s)	Perform ance Index (£ per hr)	Total netw ork delat y (PCU - hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversatu rated items	Percenta ge of oversatu rated items (%)	Item with worst signal ised PRC	Item with worst unsigna lised PRC	Item with worst over all PRC	Netw ork withi n capa city
15	24/01/ 2021 16:20: 58	24/01/ 2021 16:21: 13	15.44	07:30	120	8038.52	618. 11	135. 80	50/1	10	7	TC42/ 1	50/1	TC4 2/1	

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 2019 + Com Dev + CP + Dev			✓	D15		✓	

Demand Set Details

Scenario name	Time Period name	Description	Composite	Demand sets	Start time (HH:mm)	Locked	Run automatically
AM 2019 + 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		✓	769-1, 769-2, 770-1, 770-2, 770-3, 770-4, 771-1, 771-2, 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-calculated 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	✓	74.35	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.69	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.40	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.11	✓	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)		✓	62.77	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	62.62	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.46	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.38	✓	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	✓	122.73	✓	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	
	4	(untitled)	Leeds/M62/Wake	✓	55.42	✓	Directly entered	2250		2250	✓		Normal	
Dc	1	(untitled)	Brad	✓	50.91	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.96	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	47.02	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	45.07	✓	Directly entered	2100		2100	✓		Normal	
Dcf	1	(untitled)		✓	65.43	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	65.28	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	65.54	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	67.69	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	66.13	✓	Directly entered	2100		2100			Normal	
	6	(untitled)		✓	66.17	✓	Directly entered	2050		2050			Normal	
Df	1	(untitled)			200.00	✓	Sum of lanes	1900					Normal	
	2	(untitled)			200.00	✓	Directly entered	2250					Normal	
Dxp	1	(untitled)		✓	45.75	✓	Directly entered	2050			✓		Normal	
	2	(untitled)		✓	48.11	✓	Directly entered	2050			✓		Normal	
Ec	1	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal	
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)	M62E	✓	45.11	✓	Directly entered	2250		2250	✓		Normal	
Ecf	1	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal	
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	46.95	✓	Directly entered	2263		2263			Normal	
	4	(untitled)		✓	47.51	✓	Directly entered	2300		2300			Normal	
	5	(untitled)		✓	48.55	✓	Directly entered	2300		2300			Normal	
Ef	1	(untitled)		✓	127.54	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal	
Exp	1	(untitled)		✓	51.83	✓	Directly entered	2050		2100	✓		Normal	
	2	(untitled)		✓	53.71	✓	Directly entered	2050		2100	✓		Normal	

F	1	(untitled)	Leeds	✓	85.13	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.25	✓	Directly entered	2100		2100	✓		Normal	
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)		✓	77.45								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)		✓	121.44								Normal	
	2	(untitled)		✓	122.12								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)		✓	47.81							✓	Normal	
Cc2	2	(untitled)	Dews	✓	91.52	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	91.11	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	90.39	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	90.48	✓	Directly entered	2050		2050	✓		Normal	
	6	(untitled)	Leeds	✓	88.08	✓	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)		✓	92.21	✓	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	

[illegible]

[illegible]

[illegible]

[illegible]

TC3 6	1	1	(untitled)												1800
TC3 7	1	1	(untitled)												
TC3 8	1	1	(untitled)												
TC3 9	2	1	(untitled)												
	3	1	(untitled)												
TC4 0	2	1	(untitled)												
	3	1	(untitled)												
TC4 1	1	1	(untitled)												
TC4 2	1	1	(untitled)		✓	N/A	Average	0	3.00	✓	0	9.44	✓		1771
TC4 3	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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Ac	1	CTM	500	100	100		0.00	✓	16.50	9999.00				
	2	CTM	50	100	100		0.00	✓	16.50	9999.00				
	3	CTM	500	100	100		0.00	✓	16.50	9999.00				
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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Bc	1	CTM	500	100	100		0.00	✓	22.50	9999.00				

	2	CTM	500	100	100		0.00	✓	22.50	9999.00				
	3	CTM	500	100	100		0.00	✓	22.50	9999.00				
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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
Cf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
D	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Dc	1	CTM	500	100	100		0.00	✓	8.00	9999.00				
	2	CTM	500	100	100		0.00	✓	8.00	9999.00				
	3	CTM	500	100	100		0.00	✓	8.00	9999.00				
	4	CTM	500	100	100		0.00	✓	8.00	9999.00				
Dcf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
	6	CTM	100	100	100		0.00							
Df	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
Dx P	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
Ec	1	CTM	500	100	100		0.00	✓	8.00	9999.00				
	2	CTM	500	100	100		0.00	✓	8.00	9999.00				
	3	CTM	500	100	100		0.00	✓	8.00	9999.00				
	4	CTM	500	100	100		0.00	✓	8.00	9999.00				
Ecf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
Ef	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
Exp	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							

F	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
Fc	1	CTM	500	100	100		0.00	✓	32.0 0	9999. 00				
	2	CTM	500	100	100		0.00	✓	32.0 0	9999. 00				
	3	CTM	500	100	100		0.00	✓	32.0 0	9999. 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	500	100	100		0.00	✓	26.0 0	9999. 00				
	2	CTM	500	100	100		0.00	✓	26.0 0	9999. 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	NetworkDe fault	100	100	100		0.00							
xC	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xD	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
xE	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
xF	1	NetworkDe fault	100	100	100		0.00							
Cc1	1	CTM	100	100	100		0.00							
E1	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
Gf1	1	NetworkDe fault	100	100	100		0.00							
Cc2	2	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	3	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	4	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	5	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	6	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
E2	3	CTM	0	20	100		0.00							
	4	CTM	0	20	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	NetworkDe fault	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	NetworkDe fault	100	100	100		0.00							
TC 43	1	NetworkDe fault	100	100	100		0.00							
47	1	CTM	100	100	100		0.00							
48	1	NetworkDe fault	100	100	100		0.00							
49	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
50	1	NetworkDe fault	100	100	100		0.00							
51	1	NetworkDe fault	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	302	302
	2	298	298
	3	382	382
	4	342	342
Ac	1	732	732
	2	766	766
	3	147	147
Acf	1	1499	1499
	2	147	147
Af	1	599	599
	2	382	382
	3	342	342
B	1	418	418
	2	440	440
	3	464	464
	4	455	455
Bc	1	641	641

	2	494	494
	3	377	377
Bcf	1	1034	1034
	2	1064	1064
	3	494	494
	4	377	377
Bf	1	858	858
	2	919	919
C	1	104	104
	2	803	803
	3	542	542
Cf	1	794	794
	2	655	655
D	1	494	494
	2	487	487
	3	610	610
	4	608	608
Dc	1	812	812
	2	845	845
	3	801	801
	4	755	755
Dcf	1	801	801
	2	371	371
	3	812	812
	4	845	845
	5	801	801
	6	755	755
Df	1	981	981
	2	1218	1218
Dxp	1	801	801
	2	371	371
Ec	1	767	767
	2	1288	1288
	3	1295	1295
	4	602	602
Ecf	1	971	971
	2	1180	1180
	3	1288	1288
	4	1295	1295
	5	678	678
Ef	1	816	816
	2	454	454
Exp	1	971	971
	2	413	413
F	1	322	322
	2	427	427
	3	73	73
Fc	1	1429	1429
	2	1430	1430
	3	1092	1092
Ff	1	749	749
	2	73	73
G	1	259	259
	2	272	272
Gf	1	239	239

	2	215	215
xA	1	1706	1706
	2	1421	1421
xB	1	1457	1457
xC	1	468	468
	2	415	415
xD	1	801	801
	2	371	371
xE	1	971	971
	2	413	413
xF	1	817	817
Cc1	1	353	353
E1	1	326	326
	2	490	490
Gf1	1	76	76
Cc2	2	706	706
	3	572	572
	4	362	362
	5	806	806
	6	490	490
E2	3	239	239
	4	215	215
TC5	2	1307	1307
	3	1421	1421
	4	0	0
TC9	1	505	505
	2	344	344
	3	312	312
TC35	1	399	399
TC36	1	196	196
TC37	1	34	34
TC38	1	34	34
TC39	2	1307	1307
	3	1421	1421
TC40	2	1341	1341
	3	1421	1421
TC41	1	162	162
TC42	1	0	0
TC43	1	0	0
47	1	883	883
48	1	1449	1449
49	1	581	581
	2	581	581
50	1	1777	1777
51	1	822	822

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	
	4	770-1	B	
Dc	1	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
Dxp	1	770-2	D	
	2	770-2	D	
Ec	1	770-3	F	
	2	770-3	F	
	3	770-3	F	
	4	770-3	F	
Exp	1	770-4	L	
	2	770-4	L	
F	1	771-1	B	
	2	771-1	B	
	3	771-1	B	
Fc	1	771-1	A	
	2	771-1	A	
	3	771-1	A	
G	1	769-2	F	
	2	769-2	F	
Cc1	1	769-2	E	
E1	1	770-3	G	
	2	770-3	G	
Cc2	2	769-2	D	
	3	769-2	D	
	4	769-2	D	
	5	769-2	D	
	6	769-2	D	
E2	3	770-3	H	
	4	770-3	H	
TC5	2	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	1	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	1	TC777-1	A	
TC37	1	TC777-2	J	
TC41	1	TC777-1	D	
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	5.58	48.00	✓	Straight	Straight Movement
	2	1	Af/1	A/2	5.75	48.00	✓	Straight	Straight Movement
	3	1	Af/2	A/3	5.88	48.00	✓	Straight	Straight Movement
	4	1	Af/3	A/4	6.01	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	4.71	48.00	✓	Nearside	68.09
	2	1	A/2	Bcf/2	6.63	34.00	✓	Nearside	71.40
	3	1	A/3	Bcf/3	6.61	34.00	✓	Nearside	74.72
	4	1	A/4	Bcf/4	6.60	34.00	✓	Nearside	78.03
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	14.73	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
	4	1	Df/2	D/4	4.16	48.00	✓	Straight	Straight Movement
Dc	1	1	Dcf/3	Dc/1	6.11	30.00	✓	Offside	56.19
	2	1	Dcf/4	Dc/2	5.88	30.00	✓	Offside	52.87
	3	1	Dcf/5	Dc/3	5.64	30.00	✓	Offside	49.56
	4	1	Dcf/6	Dc/4	5.41	30.00	✓	Offside	46.25
Dcf	1	1	Cc2/2	Dcf/1	4.91	48.00	✓	Straight	Straight Movement
	2	1	Cc2/4	Dcf/2	4.90	48.00	✓	Straight	Straight Movement
	3	1	C/2	Dcf/3	4.92	48.00	✓	Nearside	58.12
	4	1	C/2	Dcf/4	5.08	48.00	✓	Nearside	58.12
	5	1	C/3	Dcf/5	4.96	48.00	✓	Nearside	61.43
	6	1	C/3	Dcf/6	7.94	30.00	✓	Nearside	61.43
Dxp	1	1	Dcf/1	Dxp/1	3.43	48.00	✓	Nearside	60.22
	2	1	Dcf/2	Dxp/2	3.61	48.00	✓	Nearside	63.54
Ec	1	1	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42
	2	1	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	1	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	1	Ecf/5	Ec/4	5.41	30.00	✓	Offside	66.48
Ecf	1	1	Dc/1	Ecf/1	3.45	48.00	✓	Offside	76.11
	2	1	Dc/2	Ecf/2	3.48	48.00	✓	Offside	72.80
	3	1	Dc/3	Ecf/3	3.52	48.00	✓	Offside	69.49
	4	1	Dc/4	Ecf/4	3.56	48.00	✓	Offside	66.17
	5	1	Dc/4	Ecf/5	3.64	48.00	✓	Offside	62.86
Exp	1	1	Ecf/1	Exp/1	3.89	48.00	✓	Nearside	52.96
	2	1	Ecf/2	Exp/2	4.03	48.00	✓	Nearside	56.27
F	1	1	Ff/1	F/1	6.38	48.00	✓	Straight	Straight Movement
	2	1	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement
	3	1	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	1	1	Ec/2	Fc/1	18.84	35.00	✓	Straight	Straight Movement
	2	1	Ec/3	Fc/2	18.66	35.00	✓	Straight	Straight Movement
	3	1	Ec/4	Fc/3	18.54	35.00	✓	Straight	Straight Movement
Ff	1	1	51/1	Ff/1	33.09	30.00	✓	Straight	Straight Movement
	2	1	51/1	Ff/2	33.05	30.00	✓	Straight	Straight Movement
G	1	1	Gf/1	G/1	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	5.81	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	9.11	48.00	✓	Nearside	44.59
	2	1	Dxp/2	xD/2	9.16	48.00	✓	Nearside	47.90
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/5	Gf1/1	5.74	30.00	✓	Offside	21.77
Cc2	2	1	B/1	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	3	1	B/3	Cc2/3	8.20	40.00	✓	Straight	Straight Movement
	4	1	B/2	Cc2/4	8.14	40.00	✓	Straight	Straight Movement
	5	1	Bc/3	Cc2/5	6.03	54.00	✓	Offside	96.53
	6	1	Bc/3	Cc2/6	5.87	54.00	✓	Offside	93.22
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	11.07	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	3.95	57.00	✓	Offside	89.74
	3	2	Ac/3	Bcf/3	3.95	57.00	✓	Offside	86.42
	4	2	Ac/3	Bcf/4	3.94	57.00	✓	Offside	86.42
C	2	2	Cf/1	C/2	14.73	30.00	✓	Offside	56.58
Dcf	1	2	C/1	Dcf/1	4.91	48.00	✓	Nearside	54.80
	2	2	C/1	Dcf/2	4.90	48.00	✓	Nearside	54.80
	3	2	Cc2/3	Dcf/3	7.87	30.00	✓	Straight	Straight Movement
	4	2	Cc2/3	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
	5	2	Cc2/5	Dcf/5	7.94	30.00	✓	Offside	99.16
	6	2	Cc2/6	Dcf/6	7.94	30.00	✓	Offside	95.85
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	5.63	30.00	✓	Nearside	46.68
	4	2	D/3	Ecf/4	5.70	30.00	✓	Nearside	49.99
	5	2	D/4	Ecf/5	5.83	30.00	✓	Nearside	53.30
Fc	1	2	E1/1	Fc/1	20.61	32.00	✓	Nearside	58.94
	2	2	E1/1	Fc/2	20.41	32.00	✓	Nearside	60.85
	3	2	E1/2	Fc/3	20.28	32.00	✓	Nearside	64.16
G	1	2	Gf1/1	G/1	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
xB	1	2	Bcf/2	xB/1	9.29	30.00	✓	Nearside	60.96
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/1	Cc2/2	10.98	30.00	✓	Straight	Straight Movement
	3	2	Bc/2	Cc2/3	10.93	30.00	✓	Offside	99.84
	4	2	Bc/2	Cc2/4	6.03	54.00	✓	Straight	Straight Movement
	5	2	B/4	Cc2/5	8.14	40.00	✓	Straight	Straight Movement
	6	2	B/4	Cc2/6	7.93	40.00	✓	Straight	Straight Movement
TC9	2	2	49/1	TC9/2	11.07	30.00	✓	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
Dcf	4	3	Cc2/5	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
xA	2	3	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
Cc2	3	3	B/2	Cc2/3	10.93	30.00	✓	Straight	Straight Movement
	5	3	B/3	Cc2/5	10.86	30.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

Traffic Stream	Description	Controlling type	Controlling traffic stream	Percentage opposing (%)	Slope coefficient	Upstream signals visible
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	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)	✓	User Equilibrium			✓								

Note: Auto Calculate disabled on this Local Matrix - Paths and Flow Allocation might not be up to date.

Normal Input Flows (PCU/hr)

	To								
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	0	48	375	2	433	122	797	0
	B28	35	0	104	256	547	36	471	0
	C28	567	41	0	335	159	42	1055	0
	D28	3	204	255	0	38	103	219	0
	E28	470	454	74	50	0	36	186	0
	F28	64	13	17	60	8	0	34	0
	G28	318	123	347	114	199	60	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	32	I1	C28	E28	Df/1, D/1, Ec/1, Exp/1, xE/1	Normal	159
	36		C28	E28	Df/1, D/1, Ec/2, Exp/2, xE/2	Disabled	0
	41		E28	A28	Ef/1, E1/2, Fc/3, Ac/1, Ac/1, Bcf/1, xB/1	Normal	416
	49	I1	C28	D28	Df/1, D/1, Ec/2, Ec/1, xF/1	Normal	335
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	50
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	105
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	36
	100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Normal	215
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	370
	103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
	105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	0
	107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	48
	110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	81
	112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	34
	113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	9
	125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	208
	137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	0
	138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	0
	140		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ec/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	204

14	1		B28	F28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	36
14	2		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	37
14	3		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
14	4		B28	G28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	230
14	5		B28	H28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
14	6		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
14	7		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
14	8		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
14	9		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	35
15	0		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	239
15	1		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
15	2		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
15	3		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	13
15	4		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	41
15	5		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
15	6		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
15	7		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
15	8		A28	G28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	455
15	9		A28	H28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
16	0		B28	D28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	256
16	1		B28	E28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	275
16	2		B28	D28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
16	3		B28	E28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
16	4		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
16	5		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
16	6		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	95
16	7		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
16	8		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal	302
16	9		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	28
17	0		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	95
17	1		G28	H28	49/1, TC9/1, TC43/1	Normal	0
17	2		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
17	3		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	30

174		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
175		A28	D28	50/1, Bf/2, B/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
176		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
177		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
178		B28	E28	48/1, Cf/1, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	159
179		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	113
180		A28	H28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
181		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	17
182		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
183		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
184		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
185		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	0
186		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	5
187		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
188		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
189		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
190		G28	D28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
191		D28	F28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
192		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
193		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
194		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	211
196		D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	103
197		D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	8
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	169
200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
201		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	8
202		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	30
203		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
205		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
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

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	74
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
252		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
283		E28	B28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
284		E28	B28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
285		E28	B28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
286		E28	B28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
307		G28	C28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	75
317		C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	610
318		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
319		C28	B28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
320		C28	B28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
322		C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	445
323		C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	42
324		C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
325		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
330		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	238
331		C28	B28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
332		C28	B28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
334		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
342		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	7
343		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	34
364		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
379		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
380		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
381		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
382		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
383		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
384		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
385		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
386		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
387		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0

388		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
389		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
390		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
391		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
392		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
393		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	13
394		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	23
395		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
396		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
397		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
398		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
399		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
400		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
401		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	60
402		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
403		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
404		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
405		A28	F28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
406		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
407		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
408		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
409		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
410		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
411		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
412		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
413		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
414		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
415		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
417		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
418		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	64
423		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
424		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
425		E28	C28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0

428		E28	C28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
431		D28	C28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	255
439		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	61
440		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
441		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
442		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
443		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
444		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
445		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	38
446		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
447		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
448		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
449		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
450		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
451		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	114
452		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	138
453		A28	D28	50/1, Bf/2, B/4, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
454		A28	E28	50/1, Bf/2, B/4, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
455		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
456		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
457		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
458		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
459		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
460		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
461		A28	E28	50/1, Bf/2, B/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
462		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	342
463		A28	F28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	122
464		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
465		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	433
466		A28	D28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	2
467		G28	A28	49/1, TC9/1, Af/1, A/2, Bcf/2, xB/1	Normal	16
468		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
469		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0

470		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
471		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
472		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
473		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	329
474		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	13
475		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
476		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
477		H28	A28	TC42/1, Af/1, A/2, Bcf/2, xB/1	Normal	0
478		F28	A28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, xB/1	Normal	64

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 saturation flow (PCU/hr)	Actual green (s per cycle)	Calculated capacity (PCU/hr)	Degree of saturation (%)	Practical reserve capacity (%)	Mean Delay per Veh (s)	Mean maximum queue (PCU)	Utilised storage (%)	Journey Time (s)
07:30-08:30	A	1	(untitled)	E	302	2050	26	478	63	43	22.07	4.65	35.95	27.65
		2	(untitled)	E	297	2050	26	478	62	45	27.43	6.51	48.83	33.18
		3	(untitled)	E	382	2050	26	478	80	13	33.20	8.49	62.26	39.08
		4	(untitled)	E	342	2050	26	478	71	26	27.01	6.24	44.82	33.02
	Ac	1	(untitled)	D	727	2263	74	1433	51	77	1.52	2.68	16.07	8.71
		2	(untitled)	D	759	2263	74	1380	55	64	12.88	8.83	55.00	22.37
		3	(untitled)	D	148	2263	74	1433	10	772	8.17	2.32	15.20	14.76
	Acf	1	(untitled)		1486	2263	120	2263	66	37	1.52	0.63	5.17	6.74
		2	(untitled)		148	2263	120	2263	7	1276	0.06	0.00	0.02	7.30
	Af	1	(untitled)		599	2050	120	2050	29	208	0.36	0.06	0.65	6.79

		2	(untitled)		382	2050	120	2050	19	383	0.20	0.02	0.23	6.58
		3	(untitled)		342	2050	120	2050	17	439	0.18	0.02	0.18	6.54
	B	1	(untitled)	B	308	2050	18	342	90	0	58.37	7.92	48.12	65.47
		2	(untitled)	B	324	2150	18	346	94	-4	78.88	10.43	61.71	86.17
		3	(untitled)	B	342	2100	18	342	100	-10	234.28	25.00	144.19	241.75
		4	(untitled)	B	335	2050	18	342	98	-8	150.23	17.32	97.22	162.52
	Bc	1	(untitled)	A	634	2050	78	1367	46	94	3.77	4.57	19.79	15.73
		2	(untitled)	A	494	2050	78	1367	36	149	7.81	7.95	34.78	19.65
		3	(untitled)	A	378	2050	78	1367	28	225	7.62	7.86	34.73	19.33
	Bcf	1	(untitled)		1029	2263	120	2263	45	98	0.66	0.19	1.74	4.85
		2	(untitled)		1056	2263	120	2263	47	93	0.70	0.20	1.87	5.40
		3	(untitled)		494	2263	120	2263	22	312	0.22	0.03	0.28	6.23
		4	(untitled)		378	2263	120	2263	17	439	0.16	0.02	0.15	6.51
	Bf	1	(untitled)		632	1800	120	1800	35	156	0.54	0.09	0.24	27.88
		2	(untitled)		677	1800	120	700	97	-7	165.45	47.09	118.54	192.86
	C	1	(untitled)	G	87	2100	36	665	13	590	16.60	1.46	6.93	31.14
		2	(untitled)	G	669	2200	36	697	96	-6	113.60	27.63	129.44	128.32
		3	(untitled)	G	452	2050	36	649	70	29	32.80	8.32	38.45	47.72
	Cf	1	(untitled)		662	1965	120	662	100	-10	151.80	37.02	147.21	169.15
		2	(untitled)		546	1965	120	1165	47	92	7.09	6.09	24.03	24.59
	D	1	(untitled)	B	494	2050	36	649	76	18	27.07	7.43	77.73	31.19
		2	(untitled)	B	487	1850	36	586	83	8	33.36	8.11	84.79	37.48
		3	(untitled)	B	610	2250	36	710	86	5	32.62	9.40	102.25	36.58
		4	(untitled)	B	608	2250	36	713	85	5	31.98	9.44	97.96	36.14
	Dc	1	(untitled)	A	674	2100	64	1155	58	54	7.39	5.09	57.44	13.50
		2	(untitled)	A	756	2100	64	1155	65	37	11.58	7.86	92.34	17.45
		3	(untitled)	A	633	2100	64	1155	55	64	6.97	6.29	76.95	12.61
		4	(untitled)	A	599	2100	64	1155	52	74	6.19	3.96	50.53	11.60
	Dcf	1	(untitled)		683	2050	120	2050	33	170	0.44	0.08	0.73	5.35
		2	(untitled)		368	2100	120	2100	18	413	0.18	0.02	0.16	5.08
		3	(untitled)		674	2100	120	2100	32	180	0.40	0.08	0.66	7.28
		4	(untitled)		756	2100	120	1733	44	106	0.92	2.16	18.38	7.26

		5	(untitled)		633	2100	120	2085	30	197	0.44	1.88	16.36	7.29
		6	(untitled)		599	2050	120	2050	29	208	0.36	0.06	0.52	8.30
	Df	1	(untitled)		981	1900	120	1900	52	74	1.01	0.28	0.79	25.01
		2	(untitled)		1218	2250	120	1905	64	41	2.92	7.33	21.08	26.92
	Dxp	1	(untitled)	D	713	2050	103	1777	40	124	0.78	0.29	3.64	4.21
		2	(untitled)	D	368	2050	103	1777	21	334	0.28	0.04	0.51	3.89
	Ec	1	(untitled)	F	724	2150	70	1290	56	60	6.67	6.25	71.77	10.43
		2	(untitled)	F	1120	2263	70	1358	82	9	11.6 2	7.76	92.17	15.25
		3	(untitled)	F	1143	2263	70	1358	84	7	11.8 3	7.81	95.95	15.34
		4	(untitled)	F	596	2250	70	1350	44	104	1.05	0.17	2.22	6.47
	Ecf	1	(untitled)		833	2100	120	2100	40	127	0.56	2.45	30.66	4.01
		2	(untitled)		1091	2100	120	2043	53	68	1.08	2.62	32.54	4.56
		3	(untitled)		1120	2263	120	2117	53	70	1.53	4.44	54.39	5.97
		4	(untitled)		1143	2300	120	2162	53	70	1.95	6.44	77.98	6.65
		5	(untitled)		673	2300	120	2300	29	207	0.32	0.06	0.72	5.94
	Ef	1	(untitled)		816	1900	120	1900	43	110	0.71	0.16	0.73	16.02
		2	(untitled)		454	1900	120	1900	24	277	0.30	0.04	0.17	15.60
	Exp	1	(untitled)	L	833	2050	102	1760	47	90	2.04	4.86	53.94	5.92
		2	(untitled)	L	367	2050	102	1760	21	331	0.27	0.03	0.29	4.30
	F	1	(untitled)	B	317	2100	22	420	75	19	36.0 6	5.95	40.16	42.44
		2	(untitled)	B	420	2100	22	420	100	-10	167. 26	23.6 5	158.6 6	173.69
		3	(untitled)	B	74	2100	22	420	18	411	20.8 6	2.34	15.41	27.40
	Fc	1	(untitled)	A	1261	2263	78	1509	84	8	11.0 1	10.7 4	33.69	30.06
		2	(untitled)	A	1278	2263	78	1478	87	4	13.2 3	11.1 8	35.44	32.08
		3	(untitled)	A	1086	2263	78	1477	74	22	5.21	2.95	9.42	24.54
	Ff	1	(untitled)		749	1900	120	1585	47	90	1.94	2.09	4.36	35.03
		2	(untitled)		74	1900	120	1900	4	2211	0.04	0.00	0.00	33.09
	G	1	(untitled)	F	259	2050	34	598	43	108	8.41	3.56	13.17	24.39
		2	(untitled)	F	272	2050	34	598	46	98	10.0 0	4.83	18.30	21.38
	Gf	1	(untitled)		239	2050	120	2050	12	672	0.12	0.01	0.11	3.15
		2	(untitled)		215	2050	120	2050	10	758	0.10	0.01	0.09	3.11
	xA	1	(untitled)		1540	2263	120	2040	75	19	5.29	28.9 8	72.56	22.52

		2	(untitled)		1263	2263	120	2054	61	46	4.12	28.3 2	70.80	21.36
	xB	1	(untitled)		1451	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	6.82
	xC	1	(untitled)		466	1900	120	1525	31	194	3.20	4.81	23.91	11.87
		2	(untitled)		402	1900	120	1451	28	225	2.22	4.71	23.33	10.92
	xD	1	(untitled)		713	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.11
		2	(untitled)		368	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.16
	xE	1	(untitled)		833	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		367	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	xF	1	(untitled)		774	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
	Cc1	1	(untitled)	E	338	2050	58	1025	33	173	2.45	2.60	15.58	9.08
	E1	1	(untitled)	G	326	2050	28	513	64	41	26.1 4	5.19	37.31	32.14
		2	(untitled)	G	490	2200	28	550	89	1	45.2 9	10.3 8	74.60	51.29
	Gf1	1	(untitled)		77	709	120	709	11	728	0.31	0.01	0.08	6.05
	Cc2	2	(untitled)	D	604	2150	60	1093	55	63	7.71	5.72	35.91	17.46
		3	(untitled)	D	479	2050	60	1041	46	96	1.52	1.64	10.38	12.45
		4	(untitled)	D	361	2150	60	1111	32	177	2.95	0.59	3.74	9.00
		5	(untitled)	D	684	2050	60	1040	66	37	3.51	6.50	41.34	11.95
		6	(untitled)	D	378	2050	60	1059	36	152	1.85	8.08	52.73	9.58
	E2	3	(untitled)	H	239	2150	28	529	45	99	21.9 0	3.31	35.68	25.89
		4	(untitled)	H	215	2050	28	513	42	115	21.3 9	2.96	31.33	25.47
	TC5	2	(untitled)	A	1181	2263	97	1867	63	42	2.81	3.44	85.92	5.57
		3	(untitled)	A	1263	2263	97	1867	68	33	2.78	3.60	90.00	5.54
		4	(untitled)	C	0	1800	7	120	0	Unrestricted	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	505	1925	86	1428	35	154	6.12	5.32	33.36	17.12
		2	(untitled)	B	344	1966	86	1458	24	281	5.24	3.38	21.09	16.30
		3	(untitled)	B	312	1947	86	1444	22	317	5.11	3.07	19.05	16.24
	TC3 5	1	(untitled)	A	360	1900	97	1568	23	292	1.55	1.48	35.31	4.45
	TC3 6	1	(untitled)		196	1800	120	1800	11	727	0.12	0.01	0.15	3.15
	TC3 7	1	(untitled)	J	34	1850	105	1634	2	4226	0.90	0.13	1.72	4.09
	TC3 8	1	(untitled)		34	273	120	273	12	622	7.20	2.42	65.39	8.73
	TC3 9	2	(untitled)		1181	2263	120	2263	52	72	0.87	0.28	4.64	3.40
		3	(untitled)		1263	2263	120	2263	56	61	1.00	0.35	6.08	3.40

	TC4 0	2	(untitled)		1215	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		1263	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC4 1	1	(untitled)	D	162	1850	12	200	81	11	86.08	6.54	68.79	90.01
	TC4 2	1	(untitled)	E	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC4 3	1	(untitled)		0	1800	120	1800	0	Unrestricted	0.00	0.00	0.00	0.00
	47	1	(untitled)		869	1300	120	1300	67	35	2.77	0.67	2.88	18.81
	48	1	(untitled)		1449	1965	120	1208	120	-25	314.69	142.76	1489.13	321.30
	49	1	(untitled)		580	1900	120	1900	31	195	0.42	0.07	1.47	3.57
		2	(untitled)		581	1900	120	1900	31	194	0.42	0.07	1.47	3.57
	50	1	(untitled)		1777	1900	120	1308	136	-34	483.61	257.08	3070.25	489.38
	51	1	(untitled)		823	1900	120	1900	43	108	0.72	0.17	2.54	5.22

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	17	56	39	1	7
	2	✓	2	B	63	72	9	1	7
	3		1	A	77	116	39	1	7
	4		2	B	3	12	9	1	7
769-2	1	✓	4	D,E,H,I	73	97	24	1	3
	2	✓	5	F,G,J,K	108	119	11	1	8
	3		4	D,E,H,I	13	37	24	1	3
	4		5	F,G,J,K	48	59	11	1	8
770-1	1	✓	1	A,C	16	46	30	1	5
	2	✓	2	B	53	71	18	1	7
	3		1	A,C	76	106	30	1	5
	4		2	B	113	11	18	1	7
770-2	1	✓	4	D	15	118	103	1	7
	2	✓	5	E	3	8	5	1	5
770-3	1	✓	7	F,I,J	59	89	30	1	2
	2	✓	9	G,H	100	107	7	1	1
	3		7	F,I,J	119	29	30	1	2
	4		9	G,H	40	47	7	1	1
770-4	1	✓	11	L	17	119	102	1	7
	2	✓	12	M	4	10	6	1	6
771-1	1	✓	1	A,C	56	89	33	1	9
	2	✓	3	B	100	111	11	1	7
	3		1	A,C	116	29	33	1	9
	4		3	B	40	51	11	1	7
771-2	1	✓	5	D	70	107	37	1	7
	2	✓	6	E	112	5	13	1	7
	3		5	D	10	47	37	1	7
	4		6	E	52	65	13	1	7

TC777-1	1	✓	1	A,B,F	26	111	85	1	6
	2	✓	2	A,C,F,G	116	3	7	1	7
	3	✓	5	D,H,I	10	20	10	1	6
TC777-2	1	✓	1	J	113	98	105	1	7
	2	✓	2	K	103	108	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
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	✓	74.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	2	✓	76.69	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	3	✓	78.40	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	4	✓	80.11	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Ac	1	✓	95.80	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	92.34	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	50
	3	✓	87.95	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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	20	0
	2	✓	97.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	20	0
	3	✓	99.69	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	4	✓	102.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Bc	1	✓	132.85	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	2	✓	131.47	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	3	✓	130.10	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
Bcf	1	✓	62.77	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	62.62	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.46	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	62.38	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	20	0
	2	✓	122.73	CTM	0.00	Normal	✓	✓		Directly entered	2200	20	0
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
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	20	0
	2		55.00	CTM	0.00	Normal	✓	✓		Directly entered	1850	20	0
	3	✓	52.87	CTM	0.00	Normal	✓	✓		Directly entered	2250	20	0
	4	✓	55.42	CTM	0.00	Normal	✓	✓		Directly entered	2250	20	0
Dc	1	✓	50.91	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	2	✓	48.96	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	3	✓	47.02	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	4	✓	45.07	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
Dcf	1	✓	65.43	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	65.28	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	65.54	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	67.69	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	66.13	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	6	✓	66.17	CTM	0.00	Normal	✓			Directly entered	2050	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	✓	45.75	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	48.11	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ec	1	✓	50.09	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	46.77	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	4	✓	45.11	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	500
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	✓	46.95	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	47.51	CTM	0.00	Normal	✓			Directly entered	2300	100	100
	5	✓	48.55	CTM	0.00	Normal	✓			Directly entered	2300	100	100
Ef	1	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	1	✓	51.83	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.71	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	1	✓	85.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0

	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	3	✓	87.25	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
Fc	1	✓	183.21	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	181.45	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	180.28	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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	500
	2	✓	151.80	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
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	✓	77.45	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	✓	121.44	NetworkDefault	0.00	Normal						100	100
	2	✓	122.12	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	20	0
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	20	0
Gf1	1	✓	47.81	NetworkDefault	0.00	Normal			✓			100	100
Cc2	2	✓	91.52	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	3	✓	91.11	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	4	✓	90.39	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	5	✓	90.48	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	6	✓	88.08	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
E2	3	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	20	0
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0

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	✓	92.21	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	5	0.00	0.00
		2	0	0	5	0.00	0.00
	2	1	0	0	60	0.00	0.00
		2	0	0	60	0.00	0.00
	3	1	0	0	6	0.00	0.00
		2	0	0	6	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	66	0.00	0.00
		2	0	0	66	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	26	0.00	0.00
		2	0	0	26	0.00	0.00
	10	1	0	0	38	0.00	0.00
		2	0	0	38	0.00	0.00
	11	1	0	0	58	0.00	0.00
		2	0	0	58	0.00	0.00
	12	1	0	0	56	0.00	0.00
		2	0	0	56	0.00	0.00
	13	1	0	0	12	0.00	0.00
		2	0	0	12	0.00	0.00
	14	1	0	0	98	0.00	0.00
		2	0	0	98	0.00	0.00
	15	1	0	0	7	0.00	0.00
		2	0	0	7	0.00	0.00
	16	1	0	0	10	0.00	0.00
		2	0	0	10	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

Note: Auto Calculate disabled on this Local Matrix (Paths and Flow Allocation might not be up to date).

Average Journey Time (s) for Local Matrix: 1

	To								
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	0.0	621.6	613.4	680.3	654.2	1039.8	1001.4	0.0
	B28	484.0	0.0	541.0	673.1	637.3	501.8	513.0	0.0
	C28	132.2	144.1	0.0	80.3	83.7	133.0	143.8	0.0
	D28	211.1	291.1	310.2	0.0	187.4	109.4	118.2	0.0
	E28	116.0	95.5	157.5	60.3	0.0	108.0	117.3	0.0
	F28	158.9	206.1	202.5	241.3	228.5	0.0	20.2	0.0
	G28	66.7	119.8	117.4	149.6	138.5	190.2	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)
32	C28	E28	159	83.75	526.66	0.00	0.00	0.00	159	83.75	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

41	E28	A28	416	116.87	693.45	0.00	0.00	0.00	416	116.87	693.45
49	C28	D28	335	80.34	514.00	0.00	0.00	0.00	335	80.34	514.00
50	E28	D28	50	60.35	370.08	0.00	0.00	0.00	50	60.35	370.08
68	E28	G28	105	116.84	737.43	0.00	0.00	0.00	105	116.84	737.43
92	E28	F28	36	108.03	644.57	0.00	0.00	0.00	36	108.03	644.57
100	E28	B28	215	90.28	623.35	0.00	0.00	0.00	215	90.28	623.35
102	A28	C28	370	613.16	694.76	0.00	0.00	0.00	370	613.16	694.76
103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
107	A28	B28	48	621.55	716.08	0.00	0.00	0.00	48	621.55	716.08
110	E28	G28	81	117.93	731.08	0.00	0.00	0.00	81	117.93	731.08
112	F28	G28	34	20.20	149.60	0.00	0.00	0.00	34	20.20	149.60
113	F28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
115	B28	C28	9	540.65	556.36	0.00	0.00	0.00	9	540.65	556.36
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
130	G28	C28	208	117.74	769.88	0.00	0.00	0.00	208	117.74	769.88
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
140	B28	G28	204	511.09	1063.74	0.00	0.00	0.00	204	511.09	1063.74
141	B28	F28	36	501.76	970.89	0.00	0.00	0.00	36	501.76	970.89
142	B28	G28	37	509.46	1059.16	0.00	0.00	0.00	37	509.46	1059.16
143	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
144	B28	G28	230	515.26	1054.40	0.00	0.00	0.00	230	515.26	1054.40
145	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
146	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
147	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
148	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
149	B28	A28	35	490.55	1016.14	0.00	0.00	0.00	35	490.55	1016.14
150	E28	B28	239	100.15	625.89	0.00	0.00	0.00	239	100.15	625.89
151	B28	B28	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	13	206.13	750.62	0.00	0.00	0.00	13	206.13	750.62
154	E28	A28	41	107.61	694.61	0.00	0.00	0.00	41	107.61	694.61
155	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
156	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	A28	G28	455	965.83	1196.15	0.00	0.00	0.00	455	965.83	1196.15
159	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
160	B28	D28	256	673.09	698.10	0.00	0.00	0.00	256	673.09	698.10
161	B28	E28	275	671.47	713.02	0.00	0.00	0.00	275	671.47	713.02
162	B28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
163	B28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
164	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
165	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
166	B28	C28	95	541.04	553.47	0.00	0.00	0.00	95	541.04	553.47
167	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
168	G28	A28	302	66.30	386.06	0.00	0.00	0.00	302	66.30	386.06
169	G28	B28	28	119.69	788.72	0.00	0.00	0.00	28	119.69	788.72
170	G28	B28	95	119.79	789.10	0.00	0.00	0.00	95	119.79	789.10
171	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
172	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
173	F28	D28	30	236.06	871.57	0.00	0.00	0.00	30	236.06	871.57
174	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
175	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
176	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
177	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

178	B28	E28	159	666.53	710.57	0.00	0.00	0.00	159	666.53	710.57
179	B28	E28	113	512.96	711.82	0.00	0.00	0.00	113	512.96	711.82
180	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
181	F28	C28	17	202.46	729.68	0.00	0.00	0.00	17	202.46	729.68
182	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
183	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
184	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
185	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
186	A28	C28	5	630.76	699.04	0.00	0.00	0.00	5	630.76	699.04
187	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
188	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
189	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
190	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
191	D28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
192	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
193	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
194	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
195	D28	G28	211	118.29	744.99	0.00	0.00	0.00	211	118.29	744.99
196	D28	F28	103	109.41	652.14	0.00	0.00	0.00	103	109.41	652.14
197	D28	G28	8	116.91	740.41	0.00	0.00	0.00	8	116.91	740.41
198	D28	A28	3	252.09	704.54	0.00	0.00	0.00	3	252.09	704.54
199	D28	B28	169	304.94	1101.39	0.00	0.00	0.00	169	304.94	1101.39
200	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
201	F28	E28	8	228.55	884.60	0.00	0.00	0.00	8	228.55	884.60
202	F28	D28	30	246.70	872.14	0.00	0.00	0.00	30	246.70	872.14
203	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
205	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
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
246	E28	C28	74	157.45	1066.04	0.00	0.00	0.00	74	157.45	1066.04
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
252	F28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
283	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
284	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
285	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
286	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
307	G28	C28	75	117.74	769.88	0.00	0.00	0.00	75	117.74	769.88
317	C28	G28	610	145.27	870.70	0.00	0.00	0.00	610	145.27	870.70
318	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
319	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
320	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
322	C28	G28	445	141.81	880.26	0.00	0.00	0.00	445	141.81	880.26
323	C28	F28	42	132.98	787.41	0.00	0.00	0.00	42	132.98	787.41
324	C28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
325	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
330	C28	A28	238	126.32	834.99	0.00	0.00	0.00	238	126.32	834.99
331	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
332	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
334	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
342	C28	B28	7	144.05	756.38	0.00	0.00	0.00	7	144.05	756.38
343	C28	B28	34	144.14	753.20	0.00	0.00	0.00	34	144.14	753.20
364	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
379	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
380	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
381	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

382	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
383	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
384	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
385	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
386	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
387	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
388	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
389	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
390	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
391	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
392	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
393	D28	B28	13	226.27	1451.24	0.00	0.00	0.00	13	226.27	1451.24
394	D28	B28	23	225.11	1448.06	0.00	0.00	0.00	23	225.11	1448.06
395	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
396	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
397	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
398	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
399	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
400	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
401	G28	F28	60	190.22	1180.56	0.00	0.00	0.00	60	190.22	1180.56
402	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
403	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
404	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
405	A28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
406	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
407	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
408	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
409	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
410	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
411	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
412	F28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
413	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
414	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
415	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
417	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
418	G28	C28	64	116.02	767.78	0.00	0.00	0.00	64	116.02	767.78
423	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
424	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
425	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
428	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
431	D28	C28	255	310.19	1080.45	0.00	0.00	0.00	255	310.19	1080.45
439	G28	E28	61	147.14	923.21	0.00	0.00	0.00	61	147.14	923.21
440	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
441	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
442	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
443	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
444	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
445	D28	E28	38	187.35	1231.65	0.00	0.00	0.00	38	187.35	1231.65
446	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
447	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
448	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
449	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
450	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
451	G28	D28	114	149.56	910.65	0.00	0.00	0.00	114	149.56	910.65
452	G28	E28	138	134.58	925.57	0.00	0.00	0.00	138	134.58	925.57
453	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

454	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
455	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
456	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
457	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
458	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
459	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
460	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
461	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
462	A28	G28	342	1048.58	1205.17	0.00	0.00	0.00	342	1048.58	1205.17
463	A28	F28	122	1039.77	1112.32	0.00	0.00	0.00	122	1039.77	1112.32
464	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
465	A28	E28	433	654.24	852.36	0.00	0.00	0.00	433	654.24	852.36
466	A28	D28	2	680.28	839.90	0.00	0.00	0.00	2	680.28	839.90
467	G28	A28	16	73.04	388.25	0.00	0.00	0.00	16	73.04	388.25
468	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
469	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
470	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
471	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
472	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
473	C28	A28	329	136.45	831.37	0.00	0.00	0.00	329	136.45	831.37
474	E28	A28	13	115.19	690.99	0.00	0.00	0.00	13	115.19	690.99
475	E28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
476	D28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
477	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
478	F28	A28	64	158.89	350.15	0.00	0.00	0.00	64	158.89	350.15

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 saturation flow (PCU/hr)	Actual greens (s per cycle)	Wasted time total (s per cycle)	Degree of saturation (%)	Practical reserve capacity (%)	Journey Time (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	302	2050	26	1.00	63	43	27.65	22.07	91.11	4.65	20	0	0.00	5.26
	2	(untitled)	6	771-2	E	297	2050	26	1.00	62	45	33.18	27.43	98.16	6.51	20	0	0.00	6.43
	3	(untitled)	6	771-2	E	382	2050	26	1.00	80	13	39.08	33.20	108.71	8.49	20	0	0.00	10.01
	4	(untitled)	6	771-2	E	342	2050	26	0.00	71	26	33.02	27.01	100.62	6.24	20	0	0.00	7.29
Ac	1	(untitled)	6	771-2	D	727	2263	74	16.00	51	77	8.71	1.52	7.71	2.68	100	500	0.00	13.36
	2	(untitled)	6	771-2	D	759	2263	74	22.82	55	64	22.37	12.88	70.57	8.83	100	50	0.00	43.12
	3	(untitled)	6	771-2	D	148	2263	74	42.00	10	772	14.76	8.17	50.24	2.32	100	500	0.00	16.70
Ac f	1	(untitled)	6			1486	2263	120	32.00	66	37	6.74	1.52	0.00	0.63	100	100	0.00	8.89
	2	(untitled)	6			148	2263	120	66.00	7	1276	7.30	0.06	0.00	0.00	100	100	0.00	0.03

Af	1	(untitled)	6			599	2050	120	18.00	29	208	6.79	0.36	0.00	0.06	100	100	0.00	0.86
	2	(untitled)	6			382	2050	120	20.00	19	383	6.58	0.20	0.00	0.02	100	100	0.00	0.30
	3	(untitled)	6			342	2050	120	20.00	17	439	6.54	0.18	0.00	0.02	100	100	0.00	0.24
B	1	(untitled)	1	769-1	B	308	2050	18	0.00	90	0	65.47	58.37	135.44	7.92	20	0	0.00	14.17
	2	(untitled)	1	769-1	B	324	2150	18	0.71	94	-4	86.17	78.88	128.23	10.43	20	0	0.00	20.16
	3	(untitled)	1	769-1	B	342 <	2100	18	0.48	100	-10	241.75	234.28	284.09	25.00+	20	0	0.00	63.15
	4	(untitled)	1	769-1	B	335	2050	18	0.00	98	-8	162.52	150.23	234.21	17.32	20	0	0.00	39.71
Bc	1	(untitled)	1	769-1	A	634	2050	78	38.00	46	94	15.73	3.77	35.10	4.57	100	500	0.00	34.23
	2	(untitled)	1	769-1	A	494	2050	78	28.00	36	149	19.65	7.81	79.50	7.95	100	500	0.00	59.00
	3	(untitled)	1	769-1	A	378	2050	78	56.00	28	225	19.33	7.62	89.37	7.86	100	500	0.00	49.02
Bcf	1	(untitled)	1			1029	2263	120	33.00	45	98	4.85	0.66	0.00	0.19	100	100	0.00	2.69
	2	(untitled)	1			1056	2263	120	37.00	47	93	5.40	0.70	0.00	0.20	100	100	0.00	2.90
	3	(untitled)	1			494	2263	120	59.00	22	312	6.23	0.22	0.00	0.03	100	100	0.00	0.43
	4	(untitled)	1			378	2263	120	88.00	17	439	6.51	0.16	0.00	0.02	100	100	0.00	0.24
Bf	1	(untitled)	1			632	1800	120	10.00	35	156	27.88	0.54	0.00	0.09	100	100	0.00	1.35
	2	(untitled)	1			677 <	1800	120	73.35	97	-7	192.86	165.45	361.14	47.09+	100	100	0.00	472.25
C	1	(untitled)	2	769-2	G	87	2100	36	32.00	13	590	31.14	16.60	100.25	1.46	20	0	0.00	1.14
	2	(untitled)	2	769-2	G	669 <	2200	36	0.00	96	-6	128.32	113.60	212.17	27.63+	20	0	0.00	59.99
	3	(untitled)	2	769-2	G	452	2050	36	10.00	70	29	47.72	32.80	110.16	8.32	20	0	0.00	11.69
Cf	1	(untitled)	2			662 <	1965	120	79.58	100	-10	169.15	151.80	271.75	37.02+	100	100	0.00	418.89
	2	(untitled)	2			546	1965	120	72.85	47	92	24.59	7.09	59.79	6.09	100	100	0.00	19.36
D	1	(untitled)	3	770-1	B	494	2050	36	0.00	76	18	31.19	27.07	89.76	7.43	20	0	0.00	10.55
	2	(untitled)	3	770-1	B	487	1850	36	0.00	83	8	37.48	33.36	98.51	8.11	20	0	0.00	12.81
	3	(untitled)	3	770-1	B	610 <	2250	36	0.16	86	5	36.58	32.62	91.38	9.40+	20	0	0.00	15.70
	4	(untitled)	3	770-1	B	608	2250	36	0.00	85	5	36.14	31.98	91.67	9.44	20	0	0.00	15.34
Dc	1	(untitled)	3	770-1	A	674	2100	64	10.00	58	54	13.50	7.39	43.45	5.09	100	500	0.00	37.99
	2	(untitled)	3	770-1	A	756	2100	64	18.00	65	37	17.45	11.58	62.33	7.86	100	500	0.00	64.08
	3	(untitled)	3	770-1	A	633	2100	64	12.00	55	64	12.61	6.97	43.22	6.29	100	500	0.00	34.53
	4	(untitled)	3	770-1	A	599	2100	64	28.00	52	74	11.60	6.19	39.68	3.96	100	500	0.00	29.51

Dc f	1	(untitled)	3			683	2050	120	62.00	33	170	5.35	0.44	0.00	0.08	100	100	0.00	1.18
	2	(untitled)	3			368	2100	120	76.00	18	413	5.08	0.18	0.00	0.02	100	100	0.00	0.26
	3	(untitled)	3			674	2100	120	36.00	32	180	7.28	0.40	0.00	0.08	100	100	0.00	1.08
	4	(untitled)	3			756	2100	120	58.96	44	106	7.26	0.92	3.09	2.16	100	100	0.00	3.31
	5	(untitled)	3			633	2100	120	50.87	30	197	7.29	0.44	2.62	1.88	100	100	0.00	1.41
	6	(untitled)	3			599	2050	120	68.00	29	208	8.30	0.36	0.00	0.06	100	100	0.00	0.85
Df	1	(untitled)	3-2			981	1900	120	0.00	52	74	25.01	1.01	0.00	0.28	100	100	0.00	3.91
	2	(untitled)	3-2			1218	2250	120	18.38	64	41	26.92	2.92	27.76	7.33	100	100	0.00	18.26
Dx p	1	(untitled)	3-2	770-2	D	713	2050	103	23.00	40	124	4.21	0.78	1.22	0.29	100	100	0.00	2.47
	2	(untitled)	3-2	770-2	D	368	2050	103	48.00	21	334	3.89	0.28	0.35	0.04	100	100	0.00	0.45
Ec	1	(untitled)	4	770-3	F	724	2150	70	8.00	56	60	10.43	6.67	36.84	6.25	100	500	0.00	61.86
	2	(untitled)	4	770-3	F	1120	2263	70	8.00	82	9	15.25	11.62	39.38	7.76	100	500	0.00	122.06
	3	(untitled)	4	770-3	F	1143	2263	70	6.00	84	7	15.34	11.83	36.39	7.81	100	500	0.00	120.15
	4	(untitled)	4	770-3	F	596	2250	70	20.00	44	104	6.47	1.05	0.00	0.17	100	500	0.00	2.48
Ec f	1	(untitled)	4			833	2100	120	26.00	40	127	4.01	0.56	0.94	2.45	100	100	0.00	2.10
	2	(untitled)	4			1091	2100	120	37.27	53	68	4.56	1.08	2.05	2.62	100	100	0.00	5.36
	3	(untitled)	4			1120	2263	120	35.77	53	70	5.97	1.53	10.38	4.44	100	100	0.00	9.49
	4	(untitled)	4			1143	2300	120	53.20	53	70	6.65	1.95	14.73	6.44	100	100	0.00	12.44
	5	(untitled)	4			673	2300	120	64.00	29	207	5.94	0.32	0.00	0.06	100	100	0.00	0.86
Ef	1	(untitled)	4			816	1900	120	0.00	43	110	16.02	0.71	0.00	0.16	100	100	0.00	2.29
	2	(untitled)	4			454	1900	120	0.00	24	277	15.60	0.30	0.00	0.04	100	100	0.00	0.53
Ex p	1	(untitled)	4-2	770-4	L	833	2050	102	21.00	47	90	5.92	2.04	11.97	4.86	100	100	0.00	9.89
	2	(untitled)	4-2	770-4	L	367	2050	102	56.00	21	331	4.30	0.27	0.00	0.03	100	100	0.00	0.39
F	1	(untitled)	5	771-1	B	317	2100	22	0.00	75	19	42.44	36.06	10.828	5.95	20	0	0.00	9.01
	2	(untitled)	5	771-1	B	420 <	2100	22	0.00	100	-10	173.69	16.726	24.266	23.65+	20	0	0.00	55.44
	3	(untitled)	5	771-1	B	74	2100	22	0.00	18	411	27.40	20.86	81.52	2.34	20	0	0.00	1.22
Fc	1	(untitled)	5	771-1	A	1261	2263	78	6.00	84	8	30.06	11.01	51.44	10.74	100	500	0.00	109.09
	2	(untitled)	5	771-1	A	1278	2263	78	7.64	87	4	32.08	13.23	51.55	11.18	100	500	0.00	121.98
	3	(untitled)	5	771-1	A	1086	2263	78	17.68	74	22	24.54	5.21	24.25	2.95	100	500	0.00	43.13
Ff	1	(untitled)	5			749	1900	120	19.91	47	90	35.03	1.94	13.79	2.09	100	100	0.00	7.02
	2	(untitled)	5			74	1900	120	0.00	4	2211	33.09	0.04	0.00	0.00	100	100	0.00	0.01
G	1	(untitled)	2	769-2	F	259	2050	34	15.02	43	108	24.39	8.41	29.76	3.56	100	500	0.00	15.17

	2	(untitled)	2	769-2	F	272	2050	34	7.02	46	98	21.38	10.00	36.37	4.83	100	500	0.00	26.60
Gf	1	(untitled)	4			239	2050	120	90.00	12	672	3.15	0.12	0.00	0.01	100	100	0.00	0.11
	2	(untitled)	4			215	2050	120	90.00	10	758	3.11	0.10	0.00	0.01	100	100	0.00	0.09
xA	1	(untitled)	10			1540	2263	120	26.82	75	19	22.52	5.29	27.59	28.98	100	100	0.00	45.79
	2	(untitled)	10			1263	2263	120	49.07	61	46	21.36	4.12	27.58	28.32	100	100	0.00	31.69
xB	1	(untitled)				1451	Unrestricted	120	1.00	0	Unrestricted	6.82	0.00	0.00	0.00	100	100	0.00	0.00
xC	1	(untitled)				466	1900	120	63.71	31	194	11.87	3.20	39.52	4.81	100	100	0.00	11.80
	2	(untitled)				402	1900	120	83.37	28	225	10.92	2.22	36.65	4.71	100	100	0.00	8.25
xD	1	(untitled)				713	Unrestricted	120	20.00	0	Unrestricted	9.11	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				368	Unrestricted	120	44.00	0	Unrestricted	9.16	0.00	0.00	0.00	100	100	0.00	0.00
xE	1	(untitled)				833	Unrestricted	120	11.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				367	Unrestricted	120	40.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	1	(untitled)				774	Unrestricted	120	4.00	0	Unrestricted	12.19	0.00	0.00	0.00	100	100	0.00	0.00
Cc1	1	(untitled)	2	769-2	E	338	2050	58	14.00	33	173	9.08	2.45	11.05	2.60	100	100	0.00	4.71
E1	1	(untitled)	4	770-3	G	326	2050	28	0.00	64	41	32.14	26.14	88.27	5.19	20	0	0.00	6.72
	2	(untitled)	4	770-3	G	490	2200	28	0.00	89	1	51.29	45.29	120.30	10.38	20	0	0.00	17.51
Gf1	1	(untitled)	4			77	709	120	69.00	11	728	6.05	0.31	0.00	0.01	100	100	0.00	0.09
Cc2	2	(untitled)	2	769-2	D	604	2150	60	11.02	55	63	17.46	7.71	36.39	5.72	100	500	0.00	37.00
	3	(untitled)	2	769-2	D	479	2050	60	17.05	46	96	12.45	1.52	3.73	1.64	100	500	0.00	3.99
	4	(untitled)	2	769-2	D	361	2150	60	24.00	32	177	9.00	2.95	9.76	0.59	100	500	0.00	11.32
	5	(untitled)	2	769-2	D	684	2050	60	21.10	66	37	11.95	3.51	8.28	6.50	100	500	0.00	16.98
	6	(untitled)	2	769-2	D	378	2050	60	38.00	36	152	9.58	1.85	25.01	8.08	100	500	0.00	14.10
E2	3	(untitled)	4	770-3	H	239	2150	28	0.47	45	99	25.89	21.90	82.91	3.31	20	0	0.00	4.13
	4	(untitled)	4	770-3	H	215	2050	28	0.00	42	115	25.47	21.39	82.43	2.96	20	0	0.00	3.63
TC5	2	(untitled)	TC771-6	TC777-1	A	1181	2263	97	11.00	63	42	5.57	2.81	8.74	3.44	100	100	0.00	14.39
	3	(untitled)	TC771-6	TC777-1	A	1263	2263	97	28.00	68	33	5.54	2.78	8.55	3.60	100	100	0.00	15.20
	4	(untitled)	TC771-6	TC777-1	C	0	1800	7	8.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC9	1	(untitled)	TC771-6	TC777-1	B	505	1925	86	0.00	35	154	17.12	6.12	31.60	5.32	100	100	0.00	14.19
	2	(untitled)	TC771-6	TC777-1	B	344	1966	86	0.00	24	281	16.30	5.24	29.46	3.38	100	100	0.00	8.38

	3	(untitled)	TC 771-6	TC77 7-1	B	312	1947	86	0.00	22	317	16.24	5.11	29.05	3.07	100	100	0.00	7.43
TC35	1	(untitled)	TC 771-6	TC77 7-1	A	360	1900	97	18.00	23	292	4.45	1.55	7.93	1.48	100	100	0.00	2.56
TC36	1	(untitled)	TC 771-6			196	1800	120	0.00	11	727	3.15	0.12	0.00	0.01	100	100	0.00	0.09
TC37	1	(untitled)	TC 771-6	TC77 7-2	J	34	1850	105	105.00	2	4226	4.09	0.90	11.69	0.13	100	100	0.00	0.26
TC38	1	(untitled)	TC 771-6			34	273	120	58.00	12	622	8.73	7.20	55.60	2.42	100	100	0.00	1.62
TC39	2	(untitled)	TC 771-6			1181	2263	120	32.00	52	72	3.40	0.87	0.00	0.28	100	100	0.00	4.04
	3	(untitled)	TC 771-6			1263	2263	120	49.00	56	61	3.40	1.00	0.00	0.35	100	100	0.00	5.00
TC40	2	(untitled)	TC 771-6			1215	Unrestricted	120	16.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC 771-6			1263	Unrestricted	120	32.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
TC41	1	(untitled)	TC 771-6	TC77 7-1	D	162	1850	12	0.00	81	11	90.01	86.08	118.55	6.54	100	100	0.00	61.69
TC42	1	(untitled)	TC 771-6	TC77 7-1	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			869	1300	120	24.00	67	35	18.81	2.77	0.00	0.67	100	100	0.00	9.49
48	1	(untitled)	2			1449<	1965	120	46.23	120	-25	321.30	314.69	320.71	142.76+	100	100	0.00	1847.16
49	1	(untitled)	TC 771-6			580	1900	120	0.00	31	195	3.57	0.42	0.00	0.07	100	100	0.00	0.95
	2	(untitled)	TC 771-6			581	1900	120	0.00	31	194	3.57	0.42	0.00	0.07	100	100	0.00	0.96
50	1	(untitled)	1			1777<	1900	120	37.36	136	-34	489.38	483.61	365.78	257.08+	100	100	0.00	3449.74
51	1	(untitled)	4-2			823	1900	120	0.00	43	108	5.22	0.72	0.00	0.17	100	100	0.00	2.35

Pedestrian Crossing Results

				SIGNALS		FLOWS		PERFORMANCE			PER PED		QUES	WEIG	PENAL	P.I.
Pedestrian	Side	Name	Traffic node	Controller stream	Phase	Calculated Flow Entering (Ped/hr)	Calculated saturation 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	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3-2	770-2	E	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

2	1	(untitled)	3	770-1	C	0	11000	60	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3	770-1	C	0	11000	60	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
3	1	(untitled)	4-2	770-4	M	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4-2	770-4	M	0	11000	6	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	66	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	66	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	26	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	J	0	11000	26	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
10	1	(untitled)	2	769-2	K	0	11000	38	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	K	0	11000	38	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	1	(untitled)		769-2	H	0	11000	58	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	58	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	1	(untitled)	2	769-2	I	0	11000	56	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	56	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
13	1	(untitled)		TC777-1	I	0	11000	12	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	I	0	11000	12	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
14	1	(untitled)		TC777-1	F	0	11000	98	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	F	0	11000	98	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
15	1	(untitled)		TC777-1	G	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	G	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
16	1	(untitled)		TC777-1	H	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	H	0	11000	10	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	6669.59	796.45	8.37	618.11	7212.95	825.57	0.00	8038.52
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	6669.59	796.45	8.37	618.11	7212.95	825.57	0.00	8038.52

- < = 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 © Copyright TRL Limited, 2019	
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Filename: M62 JN 28 CRF Scheme_Mar 20_PF_Sept 20_RevC_mitigation
 DS_optA+D_2019+Com+CP+Dev_03.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Option A+D
Report generation date: 24/01/2021 16:25:18

»Network Diagrams
 «A16 - PM Base 2019 + Com Dev + CP + Dev : D16 - PM 2019 + Com Dev + CP + Dev, :
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 »Pedestrian Crossings
 »Local OD Matrix - Local Matrix: 1
 »Signal Timings
 »Results - Link
 »Results - Traffic Stream
 »Data Entry - Stage Start and End
 »Data Entry - Phase
 »Data Entry - Traffic Stream
 »Data entry - Link
 »Results - Pedestrian
 »Collections
 »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 2019 + Com Dev + CP + Dev - PM 2019 + Com Dev + CP + Dev						
Network	A16 D16	60	5899.61	480.03	125% (TS 51/1)	15 (10%)

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

Enabl e contro ller offset s	Enable fuel consumption	Ena ble quic k flare s	Displ ay jour ney time results	Displa y OD matrix distances	Displ ay level of service results	Displa y blocki ng and starva tion results	Displ ay end of red and green que ue results	Displ ay exce ss que ue results	Displ ay separ ate unifor m and rando m results	Display unweig hted results	Displa y TRAN SYT 12 style timing s	Displ ay effect ive green s in result s	Displ ay Red- With- Amb er	Displ ay End- Of- Green Amb er	Display control ler phase minimu ms

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

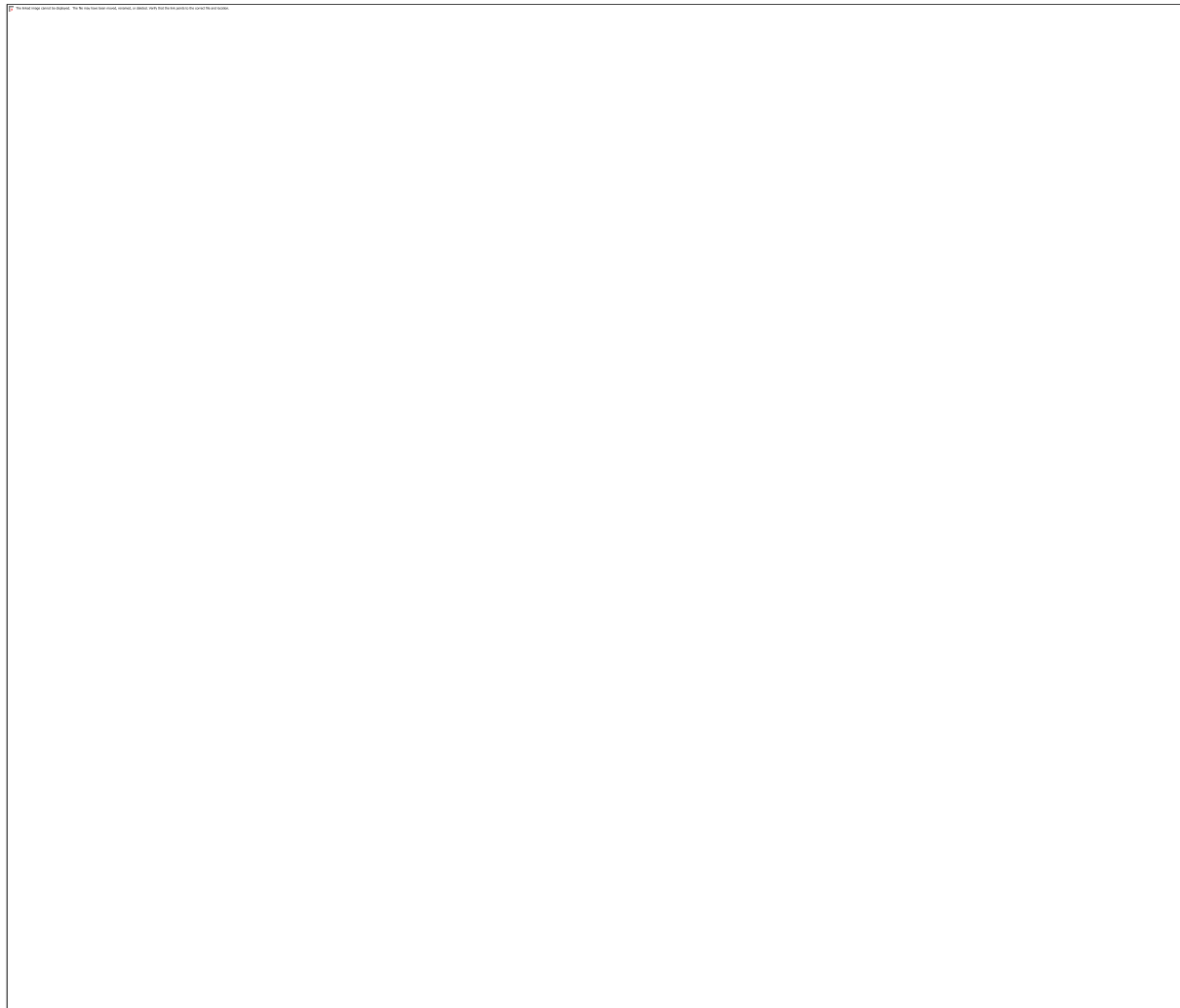
Sorting

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



A16 - PM Base 2019 + Com Dev + CP + Dev D16 - PM 2019 + Com Dev + CP + 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: Auto Calculate option is switched off - OD flows will not be allocated automatically to the network.
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)	Modeling 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
16	24/01/2021 16:24:21	24/01/2021 16:24:34	13.95	16:30	60	5899.61	480.03	124.64	51/1	15	10	TC5/4	51/1	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 2019 + Com Dev + CP + Dev			✓	D16		✓	

Demand Set Details

Scenario name	Time Period name	Description	Composite	Demand sets	Start time (HH:mm)	Locked	Run automatically
PM 2019 + 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		✓	769-1, 769-2, 770-1, 770-2, 770-3, 770-4, 771-1, 771-2, 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

Ar m	Traffi c Strea m	Name	Description	Auto leng th	Leng th (m)	Has Saturati on Flow	Saturati on flow source	Saturati on flow (PCU/hr)	Auto- calculat e cell saturati on flow	Cell saturati on flow (PCU/hr)	Is signal control led	Is giv e wa y	Traffi c type	Allow Near side Turn On Red
A	1	(untitled)	M62E	✓	74.35	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.69	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.40	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.11	✓	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)		✓	62.77	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	62.62	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.46	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.38	✓	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	✓	122.73	✓	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	
	4	(untitled)	Leeds/M62/Wake	✓	55.42	✓	Directly entered	2250		2250	✓		Normal	
Dc	1	(untitled)	Brad	✓	50.91	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.96	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	47.02	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	45.07	✓	Directly entered	2100		2100	✓		Normal	
Dcf	1	(untitled)		✓	65.43	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	65.28	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	65.54	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	67.69	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	66.13	✓	Directly entered	2100		2100			Normal	
	6	(untitled)		✓	66.17	✓	Directly entered	2050		2050			Normal	
Df	1	(untitled)			200.00	✓	Sum of lanes	1900					Normal	
	2	(untitled)			200.00	✓	Directly entered	2250					Normal	
Dxp	1	(untitled)		✓	45.75	✓	Directly entered	2050			✓		Normal	
	2	(untitled)		✓	48.11	✓	Directly entered	2050			✓		Normal	
Ec	1	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal	
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)	M62E	✓	45.11	✓	Directly entered	2250		2250	✓		Normal	
Ecf	1	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal	
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	46.95	✓	Directly entered	2263		2263			Normal	
	4	(untitled)		✓	47.51	✓	Directly entered	2300		2300			Normal	
	5	(untitled)		✓	48.55	✓	Directly entered	2300		2300			Normal	
Ef	1	(untitled)		✓	127.54	✓	Directly entered	1900					Normal	

	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal	
Exp	1	(untitled)		✓	51.83	✓	Directly entered	2050		2100	✓		Normal	
	2	(untitled)		✓	53.71	✓	Directly entered	2050		2100	✓		Normal	
F	1	(untitled)	Leeds	✓	85.13	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.25	✓	Directly entered	2100		2100	✓		Normal	
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)		✓	77.45								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)		✓	121.44								Normal	
	2	(untitled)		✓	122.12								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)		✓	47.81							✓	Normal	
Cc2	2	(untitled)	Dews	✓	91.52	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	91.11	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	90.39	✓	Directly entered	2150		2100	✓		Normal	

	5	(untitled)	Leeds	✓	90.48	✓	Directly entered	2050		2050	✓		Normal	
	6	(untitled)	Leeds	✓	88.08	✓	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)		✓	92.21	✓	Sum of lanes	1966		1966	✓		Normal	
	3	(untitled)		✓	92.69	✓	Sum of lanes	1947		1947	✓		Normal	
TC3 5	1	(untitled)		✓	24.16	✓	Directly entered	1900		2263	✓		Normal	
TC3 6	1	(untitled)		✓	25.22	✓	Sum of lanes	1800					Normal	
TC3 7	1	(untitled)		✓	44.32	✓	Directly entered	1850		1850	✓		Normal	
TC3 8	1	(untitled)		✓	21.32	✓	Directly entered	1850		1850		✓	Normal	
TC3 9	2	(untitled)		✓	35.24	✓	Directly entered	2263		2263			Normal	
	3	(untitled)		✓	33.28	✓	Directly entered	2263		2263			Normal	
TC4 0	2	(untitled)		✓	58.74								Normal	
	3	(untitled)		✓	55.82								Normal	
TC4 1	1	(untitled)		✓	54.63	✓	Directly entered	1850		1850	✓		Normal	
TC4 2	1	(untitled)		✓	23.35	✓	Sum of lanes	1771			✓		Normal	
TC4 3	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	

[illegible]

[illegible]

[illegible]

[illegible]

	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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Ac	1	CTM	500	100	100		0.00	✓	16.50	9999.00				
	2	CTM	500	100	100		0.00	✓	16.50	9999.00				
	3	CTM	500	100	100		0.00	✓	16.50	9999.00				
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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							

	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Bc	1	CTM	500	100	100		0.00	✓	22.50	9999.00				
	2	CTM	500	100	100		0.00	✓	22.50	9999.00				
	3	CTM	500	100	100		0.00	✓	22.50	9999.00				
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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
Cf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
D	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Dc	1	CTM	500	100	100		0.00	✓	8.00	9999.00				
	2	CTM	500	100	100		0.00	✓	8.00	9999.00				
	3	CTM	500	100	100		0.00	✓	8.00	9999.00				
	4	CTM	500	100	100		0.00	✓	8.00	9999.00				
Dcf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
	6	CTM	100	100	100		0.00							
Df	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
Dx P	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
Ec	1	CTM	500	100	100		0.00	✓	8.00	9999.00				
	2	CTM	500	100	100		0.00	✓	8.00	9999.00				
	3	CTM	500	100	100		0.00	✓	8.00	9999.00				
	4	CTM	500	100	100		0.00	✓	8.00	9999.00				
Ecf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
Ef	1	NetworkDe fault	100	100	100		0.00							

	2	NetworkDe fault	100	100	100		0.00							
Exp	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
F	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
Fc	1	CTM	500	100	100		0.00	✓	32.0 0	9999. 00				
	2	CTM	500	100	100		0.00	✓	32.0 0	9999. 00				
	3	CTM	500	100	100		0.00	✓	32.0 0	9999. 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	500	100	100		0.00	✓	26.0 0	9999. 00				
	2	CTM	500	100	100		0.00	✓	26.0 0	9999. 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	NetworkDe fault	100	100	100		0.00							
xC	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xD	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
xE	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
xF	1	NetworkDe fault	100	100	100		0.00							
Cc1	1	CTM	100	100	100		0.00							
E1	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
Gf1	1	NetworkDe fault	100	100	100		0.00							
Cc2	2	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	3	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	4	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	5	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
	6	CTM	500	100	100		0.00	✓	15.0 0	9999. 00				
E2	3	CTM	0	20	100		0.00							
	4	CTM	0	20	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	NetworkDe fault	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	NetworkDe fault	100	100	100		0.00							
TC 43	1	NetworkDe fault	100	100	100		0.00							
47	1	CTM	100	100	100		0.00							
48	1	NetworkDe fault	100	100	100		0.00							
49	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
50	1	NetworkDe fault	100	100	100		0.00							
51	1	NetworkDe fault	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	731	731
	2	731	731
	3	732	732
	4	505	505
Ac	1	609	609
	2	638	638
	3	345	345
Acf	1	1247	1247
	2	345	345
Af	1	1462	1462
	2	732	732
	3	505	505
B	1	416	416

	2	297	297
	3	281	281
	4	319	319
Bc	1	1041	1041
	2	1061	1061
	3	521	521
Bcf	1	1341	1341
	2	1369	1369
	3	1061	1061
	4	521	521
Bf	1	713	713
	2	600	600
C	1	89	89
	2	613	613
	3	263	263
Cf	1	577	577
	2	388	388
D	1	385	385
	2	226	226
	3	332	332
	4	360	360
Dc	1	713	713
	2	819	819
	3	378	378
	4	360	360
Dcf	1	816	816
	2	1089	1089
	3	713	713
	4	819	819
	5	378	378
	6	360	360
Df	1	611	611
	2	692	692
Dxp	1	816	816
	2	1089	1089
Ec	1	694	694
	2	604	604
	3	672	672
	4	338	338
Ecf	1	804	804
	2	1113	1113
	3	604	604
	4	672	672
	5	380	380
Ef	1	771	771
	2	551	551
Exp	1	804	804
	2	419	419
F	1	211	211
	2	349	349
	3	344	344
Fc	1	749	749
	2	796	796
	3	740	740
Ff	1	560	560

	2	344	344
G	1	292	292
	2	301	301
Gf	1	287	287
	2	264	264
xA	1	839	839
	2	758	758
xB	1	1668	1668
xC	1	679	679
	2	640	640
xD	1	816	816
	2	1089	1089
xE	1	804	804
	2	419	419
xF	1	794	794
Cc1	1	726	726
E1	1	370	370
	2	401	401
Gf1	1	42	42
Cc2	2	731	731
	3	423	423
	4	1085	1085
	5	652	652
	6	319	319
E2	3	287	287
	4	264	264
TC5	2	667	667
	3	758	758
	4	0	0
TC9	1	1256	1256
	2	732	732
	3	383	383
TC35	1	172	172
TC36	1	401	401
TC37	1	73	73
TC38	1	73	73
TC39	2	667	667
	3	758	758
TC40	2	740	740
	3	758	758
TC41	1	328	328
TC42	1	0	0
TC43	1	0	0
47	1	1319	1319
48	1	965	965
49	1	1256	1256
	2	1115	1115
50	1	1313	1313
51	1	904	904

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	
	4	770-1	B	
Dc	1	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
Dxp	1	770-2	D	
	2	770-2	D	
Ec	1	770-3	F	
	2	770-3	F	
	3	770-3	F	
	4	770-3	F	
Exp	1	770-4	L	
	2	770-4	L	
F	1	771-1	B	
	2	771-1	B	
	3	771-1	B	
Fc	1	771-1	A	
	2	771-1	A	
	3	771-1	A	
G	1	769-2	F	
	2	769-2	F	
Cc1	1	769-2	E	
E1	1	770-3	G	
	2	770-3	G	
Cc2	2	769-2	D	
	3	769-2	D	
	4	769-2	D	
	5	769-2	D	
	6	769-2	D	
E2	3	770-3	H	
	4	770-3	H	
TC5	2	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	1	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	1	TC777-1	A	

TC37	1	TC777-2	J	
TC41	1	TC777-1	D	
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	5.58	48.00	✓	Straight	Straight Movement
	2	1	Af/1	A/2	5.75	48.00	✓	Straight	Straight Movement
	3	1	Af/2	A/3	5.88	48.00	✓	Straight	Straight Movement
	4	1	Af/3	A/4	6.01	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	4.71	48.00	✓	Nearside	68.09
	2	1	A/2	Bcf/2	6.63	34.00	✓	Nearside	71.40
	3	1	A/3	Bcf/3	6.61	34.00	✓	Nearside	74.72
	4	1	A/4	Bcf/4	6.60	34.00	✓	Nearside	78.03
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	14.73	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
	4	1	Df/2	D/4	4.16	48.00	✓	Straight	Straight Movement
Dc	1	1	Dcf/3	Dc/1	6.11	30.00	✓	Offside	56.19
	2	1	Dcf/4	Dc/2	5.88	30.00	✓	Offside	52.87
	3	1	Dcf/5	Dc/3	5.64	30.00	✓	Offside	49.56
	4	1	Dcf/6	Dc/4	5.41	30.00	✓	Offside	46.25
Dcf	1	1	Cc2/2	Dcf/1	4.91	48.00	✓	Straight	Straight Movement
	2	1	Cc2/4	Dcf/2	4.90	48.00	✓	Straight	Straight Movement
	3	1	C/2	Dcf/3	4.92	48.00	✓	Nearside	58.12
	4	1	C/2	Dcf/4	5.08	48.00	✓	Nearside	58.12
	5	1	C/3	Dcf/5	4.96	48.00	✓	Nearside	61.43
	6	1	C/3	Dcf/6	7.94	30.00	✓	Nearside	61.43
Dxp	1	1	Dcf/1	Dxp/1	3.43	48.00	✓	Nearside	60.22
	2	1	Dcf/2	Dxp/2	3.61	48.00	✓	Nearside	63.54
Ec	1	1	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42
	2	1	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	1	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	1	Ecf/5	Ec/4	5.41	30.00	✓	Offside	66.48
Ecf	1	1	Dc/1	Ecf/1	3.45	48.00	✓	Offside	76.11
	2	1	Dc/2	Ecf/2	3.48	48.00	✓	Offside	72.80
	3	1	Dc/3	Ecf/3	3.52	48.00	✓	Offside	69.49
	4	1	Dc/4	Ecf/4	3.56	48.00	✓	Offside	66.17
	5	1	Dc/4	Ecf/5	3.64	48.00	✓	Offside	62.86
Exp	1	1	Ecf/1	Exp/1	3.89	48.00	✓	Nearside	52.96
	2	1	Ecf/2	Exp/2	4.03	48.00	✓	Nearside	56.27
F	1	1	Ff/1	F/1	6.38	48.00	✓	Straight	Straight Movement
	2	1	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement
	3	1	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	1	1	Ec/2	Fc/1	18.84	35.00	✓	Straight	Straight Movement
	2	1	Ec/3	Fc/2	18.66	35.00	✓	Straight	Straight Movement
	3	1	Ec/4	Fc/3	18.54	35.00	✓	Straight	Straight Movement
Ff	1	1	51/1	Ff/1	33.09	30.00	✓	Straight	Straight Movement
	2	1	51/1	Ff/2	33.05	30.00	✓	Straight	Straight Movement

G	1	1	Gf/1	G/1	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	5.81	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	9.11	48.00	✓	Nearside	44.59
	2	1	Dxp/2	xD/2	9.16	48.00	✓	Nearside	47.90
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/5	Gf1/1	5.74	30.00	✓	Offside	21.77
Cc2	2	1	B/1	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	3	1	B/3	Cc2/3	8.20	40.00	✓	Straight	Straight Movement
	4	1	B/2	Cc2/4	8.14	40.00	✓	Straight	Straight Movement
	5	1	Bc/3	Cc2/5	6.03	54.00	✓	Offside	96.53
	6	1	Bc/3	Cc2/6	5.87	54.00	✓	Offside	93.22
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	11.07	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	3.95	57.00	✓	Offside	89.74
	3	2	Ac/3	Bcf/3	3.95	57.00	✓	Offside	86.42
	4	2	Ac/3	Bcf/4	3.94	57.00	✓	Offside	86.42
C	2	2	Cf/1	C/2	14.73	30.00	✓	Offside	56.58
Dcf	1	2	C/1	Dcf/1	4.91	48.00	✓	Nearside	54.80
	2	2	C/1	Dcf/2	4.90	48.00	✓	Nearside	54.80
	3	2	Cc2/3	Dcf/3	7.87	30.00	✓	Straight	Straight Movement
	4	2	Cc2/3	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
	5	2	Cc2/5	Dcf/5	7.94	30.00	✓	Offside	99.16
	6	2	Cc2/6	Dcf/6	7.94	30.00	✓	Offside	95.85
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	5.63	30.00	✓	Nearside	46.68
	4	2	D/3	Ecf/4	5.70	30.00	✓	Nearside	49.99
	5	2	D/4	Ecf/5	5.83	30.00	✓	Nearside	53.30
Fc	1	2	E1/1	Fc/1	20.61	32.00	✓	Nearside	58.94
	2	2	E1/1	Fc/2	20.41	32.00	✓	Nearside	60.85
	3	2	E1/2	Fc/3	20.28	32.00	✓	Nearside	64.16
G	1	2	Gf1/1	G/1	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
xB	1	2	Bcf/2	xB/1	9.29	30.00	✓	Nearside	60.96
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/1	Cc2/2	10.98	30.00	✓	Straight	Straight Movement
	3	2	Bc/2	Cc2/3	10.93	30.00	✓	Offside	99.84
	4	2	Bc/2	Cc2/4	6.03	54.00	✓	Straight	Straight Movement
	5	2	B/4	Cc2/5	8.14	40.00	✓	Straight	Straight Movement

	6	2	B/4	Cc2/6	7.93	40.00	✓	Straight	Straight Movement
TC9	2	2	49/1	TC9/2	11.07	30.00	✓	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
Dcf	4	3	Cc2/5	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
xA	2	3	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
Cc2	3	3	B/2	Cc2/3	10.93	30.00	✓	Straight	Straight Movement
	5	3	B/3	Cc2/5	10.86	30.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

Traffic Stream	Description	Controlling type	Controlling traffic stream	Percentage opposing (%)	Slope coefficient	Upstream signals visible
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	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)	✓	User Equilibrium			✓								

Note: Auto Calculate disabled on this Local Matrix - Paths and Flow Allocation might not be up to date.

Normal Input Flows (PCU/hr)

	To								
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	3	51	389	12	411	54	393	0
	B28	17	0	89	159	454	12	234	0
	C28	362	42	0	294	91	19	495	0
	D28	5	344	329	0	15	54	157	0
	E28	434	551	82	100	1	8	146	0

	F28	118	27	61	100	22	0	73	0
	G28	729	304	955	129	229	25	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	32	l1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	91
	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	345
	49	l1	C28	D28	Df/1, D/1, Ecf/2, Ec/1, xF/1	Normal	294
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	100
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	137
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	8
	100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Normal	264
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	365
	103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
	105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	0
	107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	51
	110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	9
	112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	73
	113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	2
	115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	4
	125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	732
	137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	0

138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	0
140		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	200
141		B28	F28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	12
142		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	10
143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
144		B28	G28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	24
145		B28	H28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
146		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
147		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
148		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
149		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	17
150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	287
151		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	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	27
154		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
155		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
156		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
157		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
158		A28	G28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	316
159		A28	H28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
160		B28	D28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	158
161		B28	E28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	66
162		B28	D28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	1
163		B28	E28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
164		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
165		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	85
167		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
168		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal	729
169		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	41
170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	263
171		G28	H28	49/1, TC9/1, TC43/1	Normal	0

172		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
173		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	100
174		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
175		A28	D28	50/1, Bf/2, B/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
176		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
177		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
178		B28	E28	48/1, Cf/1, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	264
179		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	124
180		A28	H28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
181		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	61
182		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
183		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
184		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	44
185		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	0
186		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	24
187		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
188		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
189		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
190		G28	D28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
191		D28	F28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
192		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
193		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
194		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	61
196		D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	54
197		D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	96
198		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
199		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	319
200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	25
201		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
202		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
203		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
205		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	85

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
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	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	Normal	329
249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/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	0
283		E28	B28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
284		E28	B28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
285		E28	B28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
286		E28	B28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
307		G28	C28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
317		C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	288
318		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
319		C28	B28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
320		C28	B28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
322		C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	206
323		C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	19
324		C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	1
325		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
330		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	201
331		C28	B28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
332		C28	B28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
334		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
342		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	6
343		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	36
364		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
379		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
380		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
381		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
382		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
383		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
384		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
385		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0

386		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
387		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	3
388		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
389		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
390		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
391		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
392		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
393		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
394		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
395		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
396		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
397		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
398		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
399		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
400		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
401		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	25
402		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
403		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
404		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
405		A28	F28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
406		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
407		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
408		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
409		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
410		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
411		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
412		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
413		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
414		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
415		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	12
417		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	53
418		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	223
423		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

424		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
425		E28	C28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	27
428		E28	C28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	55
431		D28	C28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
439		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
440		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
441		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
442		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
443		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
444		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
445		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
446		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
447		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
448		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
449		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
450		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
451		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	129
452		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	229
453		A28	D28	50/1, Bf/2, B/4, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
454		A28	E28	50/1, Bf/2, B/4, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
455		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
456		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	1
457		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
458		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	15
459		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
460		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	22
461		A28	E28	50/1, Bf/2, B/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
462		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	62
463		A28	F28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	54
464		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	15
465		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	273
466		A28	D28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
467		G28	A28	49/1, TC9/1, Af/1, A/2, Bcf/2, xB/1	Normal	0

468		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
469		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
470		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
471		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
472		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
473		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	118
474		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	89
475		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, xB/1	Normal	0
476		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, xB/1	Normal	5
477		H28	A28	TC42/1, Af/1, A/2, Bcf/2, xB/1	Normal	0
478		F28	A28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, xB/1	Normal	116

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 (%)	Journey Time (s)
16:30-17:30	A	1	(untitled)	E	731	2050	21	752	97	-7	58.61	18.25	141.12	64.19
		2	(untitled)	E	731	2050	21	752	97	-7	61.44	18.75	140.59	67.19
		3	(untitled)	E	732	2050	21	752	97	-8	58.68	19.23	141.02	64.56
		4	(untitled)	E	505	2050	21	752	67	34	19.46	7.85	56.32	25.47
	Ac	1	(untitled)	D	608	2263	29	1132	54	68	6.41	3.82	22.92	13.59
		2	(untitled)	D	569	2263	29	1096	52	73	4.24	7.10	44.20	13.74
		3	(untitled)	D	281	2263	29	1132	25	262	0.53	0.04	0.27	7.13
	Acf	1	(untitled)		1177	2263	60	2263	52	73	0.86	0.28	2.32	6.08

		2	(untitled)		281	2263	60	2263	12	625	0.11	0.01	0.07	7.36
	Af	1	(untitled)		1462	2050	60	2050	71	26	2.17	0.88	9.47	8.60
		2	(untitled)		732	2050	60	2047	36	152	0.49	1.55	16.74	6.87
		3	(untitled)		505	2050	60	2050	25	265	0.29	0.04	0.44	6.65
	B	1	(untitled)	B	416	2050	13	478	87	3	44.7 2	8.45	51.30	51.82
		2	(untitled)	B	297	2150	13	361	82	9	44.3 6	5.72	33.82	51.65
		3	(untitled)	B	281	2100	13	469	60	50	26.3 3	4.19	24.16	33.81
		4	(untitled)	B	319	2050	13	478	67	35	28.3 1	5.27	29.56	40.60
	Bc	1	(untitled)	A	973	2050	35	1230	79	14	7.85	7.34	31.78	19.80
		2	(untitled)	A	1000	2050	35	1230	81	11	6.22	1.73	7.55	18.05
		3	(untitled)	A	518	2050	35	1230	42	114	1.08	0.17	0.75	12.79
	Bcf	1	(untitled)		1339	2263	60	2263	59	52	1.15	0.43	3.92	5.52
		2	(untitled)		1300	2263	60	2263	57	57	1.07	0.39	3.55	6.53
		3	(untitled)		1000	2263	60	2263	44	104	0.63	0.17	1.61	6.53
		4	(untitled)		518	2263	60	2263	23	293	0.24	0.03	0.31	6.77
	Bf	1	(untitled)		713	1800	60	1800	40	127	0.66	0.13	0.33	27.99
		2	(untitled)		600	1800	60	1800	33	170	0.50	0.08	0.21	27.91
	C	1	(untitled)	G	77	2100	14	525	15	514	18.1 3	1.46	6.94	32.67
		2	(untitled)	G	529	2200	14	550	96	-7	150. 54	27.2 8	127.8 0	165.27
		3	(untitled)	G	228	2050	14	513	44	103	28.5 2	3.97	18.35	43.44
	Cf	1	(untitled)		499	1965	60	499	100	-10	208. 31	35.3 3	140.4 8	225.66
		2	(untitled)		335	1965	60	1093	31	194	8.31	4.64	18.29	25.81
	D	1	(untitled)	B	385	2050	13	478	80	12	36.4 9	6.98	72.95	40.61
		2	(untitled)	B	225	1850	13	432	52	73	24.5 9	3.28	34.31	28.72
		3	(untitled)	B	332	2250	13	525	63	42	26.5 1	5.23	56.91	30.48
		4	(untitled)	B	361	2250	13	525	69	31	28.4 3	5.78	59.98	32.58
	Dc	1	(untitled)	A	662	2100	37	1330	50	81	2.73	1.69	19.14	8.84
		2	(untitled)	A	784	2100	37	1330	59	53	11.2 7	7.67	90.05	17.14
		3	(untitled)	A	348	2100	37	1330	26	244	1.19	0.43	5.24	6.83
		4	(untitled)	A	354	2100	37	1330	27	238	1.14	0.23	2.88	6.55
	Dcf	1	(untitled)		805	2050	60	2050	39	129	0.57	0.13	1.11	5.47
		2	(untitled)		1027	2100	60	2100	49	84	0.82	0.23	2.06	5.72

		3	(untitled)		662	2100	60	2100	32	186	0.39	0.07	0.64	6.76
		4	(untitled)		784	2100	60	1527	51	75	2.32	2.21	18.75	9.69
		5	(untitled)		348	2100	60	2100	17	443	0.17	0.02	0.14	6.46
		6	(untitled)		354	2050	60	2050	17	420	0.18	0.02	0.16	8.12
	Df	1	(untitled)		610	1900	60	1900	32	180	0.45	0.08	0.22	24.45
		2	(untitled)		693	2250	60	2250	31	192	0.36	0.07	0.20	24.36
	Dxp	1	(untitled)	D	816	2050	43	1503	54	66	2.75	1.74	21.86	6.18
		2	(untitled)	D	1028	2050	43	1503	68	32	2.65	4.22	50.38	6.25
	Ec	1	(untitled)	F	672	2150	38	1398	48	87	6.56	3.83	43.94	10.31
		2	(untitled)	F	573	2263	38	1471	39	131	6.41	4.98	59.16	10.04
		3	(untitled)	F	669	2263	38	1471	45	98	1.65	2.55	31.34	5.16
		4	(untitled)	F	337	2250	38	1463	23	291	1.03	0.28	3.56	6.44
	Ecf	1	(untitled)		753	2100	60	2100	36	151	0.48	0.10	1.25	3.92
		2	(untitled)		1078	2100	60	2100	51	75	0.90	0.27	3.35	4.38
		3	(untitled)		573	2263	60	2263	25	255	0.27	0.04	0.53	4.62
		4	(untitled)		669	2300	60	2300	29	210	0.32	0.06	0.72	4.95
		5	(untitled)		379	2300	60	2300	16	447	0.15	0.02	0.19	5.88
	Ef	1	(untitled)		771	1900	60	1900	41	122	0.65	0.14	0.62	15.95
		2	(untitled)		551	1900	60	1900	29	210	0.39	0.06	0.27	15.69
	Exp	1	(untitled)	L	753	2050	42	1469	51	76	2.85	2.86	31.68	6.74
		2	(untitled)	L	406	2050	42	1469	28	225	0.47	0.05	0.57	4.50
	F	1	(untitled)	B	169	2100	7	280	60	49	44.2 3	3.27	22.12	50.61
		2	(untitled)	B	280	2100	7	280	100	-10	256. 54	21.8 1	146.2 8	262.96
		3	(untitled)	B	280	2100	7	280	100	-10	256. 54	21.8 1	143.7 2	263.08
	Fc	1	(untitled)	A	718	2263	43	1660	43	108	1.69	1.97	6.19	20.90
		2	(untitled)	A	794	2263	43	1639	48	86	1.53	1.94	6.14	20.47
		3	(untitled)	A	738	2263	43	1533	48	87	3.79	5.32	16.96	23.28
	Ff	1	(untitled)		449	1900	60	449	100	-10	374. 03	57.9 4	120.8 3	407.12
		2	(untitled)		276	1900	60	280	99	-9	328. 49	30.3 4	63.35	361.54
	G	1	(untitled)	F	293	2050	14	490	60	51	24.1 4	5.73	21.20	40.12
		2	(untitled)	F	300	2050	14	493	61	48	28.3 3	7.48	28.33	39.71
	Gf	1	(untitled)		287	2050	60	2050	14	543	0.14	0.01	0.16	3.18

		2	(untitled)		264	2050	60	2050	13	599	0.13	0.01	0.14	3.13
	xA	1	(untitled)		787	2263	60	2263	35	159	0.42	0.09	0.23	17.65
		2	(untitled)		734	2263	60	2263	32	177	0.38	0.08	0.19	17.63
	xB	1	(untitled)		1666	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	6.49
	xC	1	(untitled)		617	1900	60	796	77	16	15.85	10.58	52.62	24.52
		2	(untitled)		634	1900	60	776	82	10	15.33	8.78	43.51	24.03
	xD	1	(untitled)		816	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.11
		2	(untitled)		1028	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.16
	xE	1	(untitled)		753	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		406	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	xF	1	(untitled)		772	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
	Cc1	1	(untitled)	E	658	2050	31	1093	60	49	12.39	8.21	49.25	18.96
	E1	1	(untitled)	G	370	2050	11	410	90	0	56.86	8.84	63.51	62.86
		2	(untitled)	G	401	2200	11	440	91	-1	57.43	9.61	69.10	63.43
	Gf1	1	(untitled)		42	691	60	691	6	1380	0.17	0.00	0.02	5.91
	Cc2	2	(untitled)	D	731	2150	32	1161	63	43	7.05	7.53	47.30	16.67
		3	(untitled)	D	423	2050	32	1128	38	140	0.96	0.11	0.71	10.92
		4	(untitled)	D	1024	2150	32	1173	87	3	19.05	10.94	69.59	25.13
		5	(untitled)	D	649	2050	32	1119	58	55	4.16	2.82	17.92	11.16
		6	(untitled)	D	319	2050	32	1128	28	218	2.48	6.01	39.22	10.41
	E2	3	(untitled)	H	287	2150	11	418	69	31	31.54	4.72	50.94	35.53
		4	(untitled)	H	264	2050	11	410	64	40	29.85	4.24	44.87	33.93
	TC5	2	(untitled)	A	627	2263	38	1509	42	117	2.32	2.19	54.64	5.08
		3	(untitled)	A	734	2263	38	1509	49	85	2.88	2.13	53.28	5.64
		4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	1256	1925	39	1348	93	-3	23.81	20.64	129.38	34.82
		2	(untitled)	B	732	1966	39	1376	53	69	5.79	5.27	32.84	16.85
		3	(untitled)	B	383	1947	39	1363	28	220	3.89	2.18	13.54	15.01
	TC35	1	(untitled)	A	160	1900	38	1267	13	614	4.17	1.46	34.71	7.07
	TC36	1	(untitled)		401	1800	60	1800	22	304	0.29	0.03	0.73	3.31
	TC37	1	(untitled)	J	73	1850	45	1418	5	1649	1.82	0.29	3.70	5.01
	TC38	1	(untitled)		73	453	60	453	16	458	1.50	2.43	65.57	3.04

	TC39	2	(untitled)		627	2263	60	2263	28	225	0.30	0.05	0.87	2.84
		3	(untitled)		734	2263	60	2263	32	177	0.38	0.08	1.35	2.78
	TC40	2	(untitled)		700	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		734	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	328	1850	11	370	89	2	55.51	7.83	82.40	59.44
	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)		1251	1300	60	1300	96	-6	25.29	8.79	37.81	41.32
	48	1	(untitled)		964	1965	60	834	116	-22	267.83	81.73	852.51	274.44
	49	1	(untitled)		1256	1900	60	1867	67	34	1.98	1.74	38.03	5.13
		2	(untitled)		1115	1900	60	1900	59	53	1.34	0.42	9.11	4.49
	50	1	(untitled)		1313	1900	60	1900	69	30	2.11	0.77	9.18	7.89
	51	1	(untitled)		904	1900	60	725	125	-28	373.39	103.21	1583.97	377.88

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	31	2	31	1	7
	2	✓	2	B	13	26	13	1	7
769-2	1	✓	4	D,E,H,I	24	47	23	1	1
	2	✓	5	F,G,J,K	1	9	8	1	7
770-1	1	✓	1	A,C	6	41	35	1	5
	2	✓	2	B	48	1	13	1	7
770-2	1	✓	4	D	23	6	43	1	7
	2	✓	5	E	11	16	5	1	5
770-3	1	✓	7	F,I,J	42	15	33	1	2
	2	✓	9	G,H	26	30	4	1	1
770-4	1	✓	11	L	12	54	42	1	7
	2	✓	12	M	59	5	6	1	6
771-1	1	✓	1	A,C	40	17	37	1	9
	2	✓	3	B	28	35	7	1	7
771-2	1	✓	5	D	41	10	29	1	7
	2	✓	6	E	15	36	21	1	7
TC777-1	1	✓	1	A,B,F	1	39	38	1	7
	2	✓	5	D,H,I	46	55	9	1	6
TC777-2	1	✓	1	J	42	27	45	1	7
	2	✓	2	K	32	37	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	✓	74.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	2	✓	76.69	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0

	3	✓	78.40	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	4	✓	80.11	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Ac	1	✓	95.80	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	92.34	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	87.95	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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	20	0
	2	✓	97.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	20	0
	3	✓	99.69	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	4	✓	102.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Bc	1	✓	132.85	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	2	✓	131.47	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	3	✓	130.10	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
Bcf	1	✓	62.77	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	62.62	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.46	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	62.38	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	20	0
	2	✓	122.73	CTM	0.00	Normal	✓	✓		Directly entered	2200	20	0
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
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	20	0
	2		55.00	CTM	0.00	Normal	✓	✓		Directly entered	1850	20	0
	3	✓	52.87	CTM	0.00	Normal	✓	✓		Directly entered	2250	20	0
	4	✓	55.42	CTM	0.00	Normal	✓	✓		Directly entered	2250	20	0

Dc	1	✓	50.91	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	2	✓	48.96	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	3	✓	47.02	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	4	✓	45.07	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
Dcf	1	✓	65.43	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	65.28	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	65.54	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	67.69	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	66.13	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	6	✓	66.17	CTM	0.00	Normal	✓			Directly entered	2050	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	✓	45.75	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	48.11	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ec	1	✓	50.09	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	46.77	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	4	✓	45.11	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	500
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	✓	46.95	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	47.51	CTM	0.00	Normal	✓			Directly entered	2300	100	100
	5	✓	48.55	CTM	0.00	Normal	✓			Directly entered	2300	100	100
Ef	1	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	1	✓	51.83	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.71	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	1	✓	85.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	3	✓	87.25	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
Fc	1	✓	183.21	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	181.45	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500

	3	✓	180.28	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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	500
	2	✓	151.80	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
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	✓	77.45	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	✓	121.44	NetworkDefault	0.00	Normal						100	100
	2	✓	122.12	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	20	0
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	20	0
Gf1	1	✓	47.81	NetworkDefault	0.00	Normal			✓			100	100
Cc2	2	✓	91.52	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	3	✓	91.11	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	4	✓	90.39	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	5	✓	90.48	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	6	✓	88.08	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
E2	3	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	20	0
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
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	✓	92.21	CTM	0.00	Normal	✓	✓		Sum of lanes	1966	100	100
	3	✓	92.69	CTM	0.00	Normal	✓	✓		Sum of lanes	1947	100	100
TC3 5	1	✓	24.16	CTM	0.00	Normal	✓	✓		Directly entered	1900	100	100
TC3 6	1	✓	25.22	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
TC3 7	1	✓	44.32	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
TC3 8	1	✓	21.32	CTM	0.00	Normal	✓		✓	Directly entered	1850	100	100
TC3 9	2	✓	35.24	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	33.28	CTM	0.00	Normal	✓			Directly entered	2263	100	100
TC4 0	2	✓	58.74	PDM	0.00	Normal						100	100
	3	✓	55.82	PDM	0.00	Normal						100	100
TC4 1	1	✓	54.63	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
TC4 2	1	✓	23.35	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1771	100	100
TC4 3	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	5	0.00	0.00
		2	0	0	5	0.00	0.00
	2	1	0	0	35	0.00	0.00
		2	0	0	35	0.00	0.00
	3	1	0	0	6	0.00	0.00
		2	0	0	6	0.00	0.00
	4	1	0	0	37	0.00	0.00
		2	0	0	37	0.00	0.00
	5	1	0	0	37	0.00	0.00
		2	0	0	37	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	37	0.00	0.00
		2	0	0	37	0.00	0.00

	8	2	0	0	37	0.00	0.00
		1	0	0	31	0.00	0.00
	9	2	0	0	31	0.00	0.00
		1	0	0	11	0.00	0.00
	10	2	0	0	11	0.00	0.00
		1	0	0	16	0.00	0.00
	11	2	0	0	16	0.00	0.00
		1	0	0	29	0.00	0.00
	12	2	0	0	29	0.00	0.00
		1	0	0	29	0.00	0.00
	13	2	0	0	29	0.00	0.00
		1	0	0	11	0.00	0.00
	14	2	0	0	11	0.00	0.00
		1	0	0	39	0.00	0.00
	15	2	0	0	39	0.00	0.00
		1	0	0	0	0.00	0.00
	16	2	0	0	0	0.00	0.00
		1	0	0	9	0.00	0.00
	17	2	0	0	9	0.00	0.00
		1	0	0	5	0.00	0.00
		2	0	0	5	0.00	0.00
		1	0	0			

Collections

Point to Point Journey Time

Note: Auto Calculate disabled on this Local Matrix (Paths and Flow Allocation might not be up to date).

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	164.7	169.1	121.0	121.5	133.3	151.2	158.7	0.0
	B28	457.0	0.0	565.0	719.0	644.5	419.8	427.9	0.0
	C28	127.7	177.0	0.0	86.6	99.1	105.7	114.1	0.0
	D28	1022.2	1184.5	1098.9	0.0	1096.8	868.7	876.6	0.0
	E28	129.1	161.2	190.0	91.0	209.6	121.0	128.6	0.0
	F28	160.3	241.6	202.9	182.3	182.7	0.0	15.6	0.0
	G28	124.4	215.1	165.1	144.3	134.5	163.7	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Normal journey dist (m)	Bus journeydist (m)	Tram journey dist (m)	Pedestrian journey dist (m)	Calculated Total Flow (PCU/hr)	Avg journey time (s)	Avg journey dist (m)
32	C28	E28	91	99.08	526.66	0.00	0.00	0.00	91	99.08	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	345	128.43	693.45	0.00	0.00	0.00	345	128.43	693.45
49	C28	D28	294	86.58	514.00	0.00	0.00	0.00	294	86.58	514.00
50	E28	D28	100	91.00	370.08	0.00	0.00	0.00	100	91.00	370.08
68	E28	G28	137	128.58	737.43	0.00	0.00	0.00	137	128.58	737.43
92	E28	F28	8	121.00	644.57	0.00	0.00	0.00	8	121.00	644.57
100	E28	B28	264	161.66	623.35	0.00	0.00	0.00	264	161.66	623.35
102	A28	C28	365	120.13	694.76	0.00	0.00	0.00	365	120.13	694.76

103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
107	A28	B28	51	169.13	716.08	0.00	0.00	0.00	51	169.13	716.08
110	E28	G28	9	128.58	731.08	0.00	0.00	0.00	9	128.58	731.08
112	F28	G28	73	15.59	149.60	0.00	0.00	0.00	73	15.59	149.60
113	F28	A28	2	153.57	347.96	0.00	0.00	0.00	2	153.57	347.96
115	B28	C28	4	565.71	556.36	0.00	0.00	0.00	4	565.71	556.36
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
130	G28	C28	732	159.49	769.88	0.00	0.00	0.00	732	159.49	769.88
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
140	B28	G28	200	427.37	1063.74	0.00	0.00	0.00	200	427.37	1063.74
141	B28	F28	12	419.78	970.89	0.00	0.00	0.00	12	419.78	970.89
142	B28	G28	10	427.36	1059.16	0.00	0.00	0.00	10	427.36	1059.16
143	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
144	B28	G28	24	432.23	1054.40	0.00	0.00	0.00	24	432.23	1054.40
145	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
146	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
147	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
148	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
149	B28	A28	17	457.04	1016.14	0.00	0.00	0.00	17	457.04	1016.14
150	E28	B28	287	160.76	625.89	0.00	0.00	0.00	287	160.76	625.89
151	B28	B28	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	27	241.57	750.62	0.00	0.00	0.00	27	241.57	750.62
154	E28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
155	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
156	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	A28	G28	316	158.70	1196.15	0.00	0.00	0.00	316	158.70	1196.15
159	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
160	B28	D28	158	723.51	698.10	0.00	0.00	0.00	158	723.51	698.10
161	B28	E28	66	707.40	713.02	0.00	0.00	0.00	66	707.40	713.02
162	B28	D28	1	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00
163	B28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
164	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
165	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
166	B28	C28	85	564.92	553.47	0.00	0.00	0.00	85	564.92	553.47
167	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
168	G28	A28	729	124.38	386.06	0.00	0.00	0.00	729	124.38	386.06
169	G28	B28	41	214.66	788.72	0.00	0.00	0.00	41	214.66	788.72
170	G28	B28	263	215.19	789.10	0.00	0.00	0.00	263	215.19	789.10
171	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
172	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
173	F28	D28	100	182.32	871.57	0.00	0.00	0.00	100	182.32	871.57
174	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
175	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
176	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
177	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
178	B28	E28	264	703.37	710.57	0.00	0.00	0.00	264	703.37	710.57
179	B28	E28	124	488.17	711.82	0.00	0.00	0.00	124	488.17	711.82
180	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
181	F28	C28	61	202.93	729.68	0.00	0.00	0.00	61	202.93	729.68
182	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
183	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
184	C28	A28	44	124.52	834.22	0.00	0.00	0.00	44	124.52	834.22

185	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
186	A28	C28	24	133.96	699.04	0.00	0.00	0.00	24	133.96	699.04
187	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
188	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
189	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
190	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
191	D28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
192	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
193	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
194	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
195	D28	G28	61	876.38	744.99	0.00	0.00	0.00	61	876.38	744.99
196	D28	F28	54	868.72	652.14	0.00	0.00	0.00	54	868.72	652.14
197	D28	G28	96	876.78	740.41	0.00	0.00	0.00	96	876.78	740.41
198	D28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
199	D28	B28	319	1184.69	1101.39	0.00	0.00	0.00	319	1184.69	1101.39
200	D28	B28	25	1181.47	1101.77	0.00	0.00	0.00	25	1181.47	1101.77
201	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
202	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
203	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
205	A28	E28	85	118.91	857.96	0.00	0.00	0.00	85	118.91	857.96
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
246	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
248	D28	C28	329	1098.91	1078.32	0.00	0.00	0.00	329	1098.91	1078.32
249	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
252	F28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
283	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
284	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
285	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
286	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
307	G28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
317	C28	G28	288	115.00	870.70	0.00	0.00	0.00	288	115.00	870.70
318	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
319	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
320	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
322	C28	G28	206	113.30	880.26	0.00	0.00	0.00	206	113.30	880.26
323	C28	F28	19	105.73	787.41	0.00	0.00	0.00	19	105.73	787.41
324	C28	G28	1	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00
325	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
330	C28	A28	201	127.13	834.99	0.00	0.00	0.00	201	127.13	834.99
331	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
332	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
334	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
342	C28	B28	6	186.02	756.38	0.00	0.00	0.00	6	186.02	756.38
343	C28	B28	36	175.57	753.20	0.00	0.00	0.00	36	175.57	753.20
364	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
379	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
380	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
381	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
382	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
383	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
384	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
385	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
386	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
387	A28	A28	3	178.25	1157.89	0.00	0.00	0.00	3	178.25	1157.89
388	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

389	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
390	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
391	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
392	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
393	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
394	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
395	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
396	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
397	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
398	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
399	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
400	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
401	G28	F28	25	163.70	1180.56	0.00	0.00	0.00	25	163.70	1180.56
402	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
403	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
404	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
405	A28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
406	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
407	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
408	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
409	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
410	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
411	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
412	F28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
413	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
414	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
415	A28	D28	12	121.95	843.04	0.00	0.00	0.00	12	121.95	843.04
417	A28	E28	53	117.79	855.50	0.00	0.00	0.00	53	117.79	855.50
418	G28	C28	223	183.49	767.78	0.00	0.00	0.00	223	183.49	767.78
423	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
424	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
425	E28	C28	27	186.38	1070.52	0.00	0.00	0.00	27	186.38	1070.52
428	E28	C28	55	191.76	1069.36	0.00	0.00	0.00	55	191.76	1069.36
431	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
439	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
440	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
441	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
442	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
443	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
444	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
445	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
446	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
447	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
448	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
449	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
450	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
451	G28	D28	129	144.28	910.65	0.00	0.00	0.00	129	144.28	910.65
452	G28	E28	229	134.54	925.57	0.00	0.00	0.00	229	134.54	925.57
453	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
454	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
455	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
456	E28	E28	1	209.56	1219.72	0.00	0.00	0.00	1	209.56	1219.72
457	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
458	D28	E28	15	1096.76	1232.00	0.00	0.00	0.00	15	1096.76	1232.00
459	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
460	F28	E28	22	182.70	886.49	0.00	0.00	0.00	22	182.70	886.49

461	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
462	A28	G28	62	158.81	1205.17	0.00	0.00	0.00	62	158.81	1205.17
463	A28	F28	54	151.23	1112.32	0.00	0.00	0.00	54	151.23	1112.32
464	A28	G28	15	158.80	1200.59	0.00	0.00	0.00	15	158.80	1200.59
465	A28	E28	273	140.78	852.36	0.00	0.00	0.00	273	140.78	852.36
466	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
467	G28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
468	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
469	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
470	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
471	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
472	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
473	C28	A28	118	129.95	831.37	0.00	0.00	0.00	118	129.95	831.37
474	E28	A28	89	131.92	690.99	0.00	0.00	0.00	89	131.92	690.99
475	E28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
476	D28	A28	5	1081.45	700.92	0.00	0.00	0.00	5	1081.45	700.92
477	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
478	F28	A28	116	160.42	350.15	0.00	0.00	0.00	116	160.42	350.15

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 greens (per cycle)	Wasted time total (s per cycle)	Degree of saturation (%)	Practical reserve capacity (%)	Journey Time (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	731 <	2050	21	0.00	97	-7	64.19	58.61	125.80	18.25+	20	0	0.00	33.80
	2	(untitled)	6	771-2	E	731 <	2050	21	0.00	97	-7	67.19	61.44	139.04	18.75+	20	0	0.00	35.43
	3	(untitled)	6	771-2	E	732 <	2050	21	0.00	97	-8	64.56	58.68	136.54	19.23+	20	0	0.00	33.89
	4	(untitled)	6	771-2	E	505	2050	21	0.00	67	34	25.47	19.46	87.63	7.85	20	0	0.00	7.75
Ac	1	(untitled)	6	771-2	D	608	2263	29	7.00	54	68	13.59	6.41	37.60	3.82	100	500	0.00	52.03
	2	(untitled)	6	771-2	D	569	2263	29	3.94	52	73	13.74	4.24	37.35	7.10	100	500	0.00	27.65
	3	(untitled)	6	771-2	D	281	2263	29	22.00	25	262	7.13	0.53	0.89	0.04	100	500	0.00	0.99
Ac f	1	(untitled)	6			1177	2263	60	22.00	52	73	6.08	0.86	0.00	0.28	100	100	0.00	3.99
	2	(untitled)	6			281	2263	60	52.00	12	625	7.36	0.11	0.00	0.01	100	100	0.00	0.12
Af	1	(untitled)	6			1462	2050	60	6.00	71	26	8.60	2.17	0.00	0.88	100	100	0.00	12.52
	2	(untitled)	6			732	2050	60	18.08	36	152	6.87	0.49	0.99	1.55	100	100	0.00	1.51
	3	(untitled)	6			505	2050	60	6.00	25	265	6.65	0.29	0.00	0.04	100	100	0.00	0.57

B	1	(untitled)	1	769-1	B	416	2050	13	0.00	87	3	51.82	44.72	118.41	8.45	20	0	0.00	14.68
	2	(untitled)	1	769-1	B	297	2150	13	3.92	82	9	51.65	44.36	112.51	5.72	20	0	0.00	10.39
	3	(untitled)	1	769-1	B	281	2100	13	0.60	60	50	33.81	26.33	89.23	4.19	20	0	0.00	5.84
	4	(untitled)	1	769-1	B	319	2050	13	0.00	67	35	40.60	28.31	98.45	5.27	20	0	0.00	7.12
Bc	1	(untitled)	1	769-1	A	973	2050	35	5.00	79	14	19.80	7.85	32.45	7.34	100	500	0.00	65.30
	2	(untitled)	1	769-1	A	1000	2050	35	6.00	81	11	18.05	6.22	0.00	1.73	100	500	0.00	24.52
	3	(untitled)	1	769-1	A	518	2050	35	6.00	42	114	12.79	1.08	1.95	0.17	100	500	0.00	3.34
Bc f	1	(untitled)	1			1339	2263	60	15.00	59	52	5.52	1.15	0.00	0.43	100	100	0.00	6.07
	2	(untitled)	1			1300	2263	60	11.00	57	57	6.53	1.07	0.00	0.39	100	100	0.00	5.50
	3	(untitled)	1			1000	2263	60	30.00	44	104	6.53	0.63	0.00	0.17	100	100	0.00	2.48
	4	(untitled)	1			518	2263	60	30.00	23	293	6.77	0.24	0.00	0.03	100	100	0.00	0.48
Bf	1	(untitled)	1			713	1800	60	0.00	40	127	27.99	0.66	0.00	0.13	100	100	0.00	1.84
	2	(untitled)	1			600	1800	60	0.00	33	170	27.91	0.50	0.00	0.08	100	100	0.00	1.18
C	1	(untitled)	2	769-2	G	77	2100	14	12.00	15	514	32.67	18.13	100.93	1.46	20	0	0.00	1.10
	2	(untitled)	2	769-2	G	529 <	2200	14	0.00	96	-7	165.27	150.54	294.97	27.28 +	20	0	0.00	62.88
	3	(untitled)	2	769-2	G	228	2050	14	8.00	44	103	43.44	28.52	104.60	3.97	20	0	0.00	5.12
Cf	1	(untitled)	2			499 <	1965	60	44.76	100	-10	225.66	208.31	377.89	35.33 +	100	100	0.00	433.77
	2	(untitled)	2			335	1965	60	47.63	31	194	25.81	8.31	76.18	4.64	100	100	0.00	14.17
D	1	(untitled)	3	770-1	B	385	2050	13	0.00	80	12	40.61	36.49	107.05	6.98	20	0	0.00	11.08
	2	(untitled)	3	770-1	B	225	1850	13	0.00	52	73	28.72	24.59	87.35	3.28	20	0	0.00	4.37
	3	(untitled)	3	770-1	B	332	2250	13	0.00	63	42	30.48	26.51	90.52	5.23	20	0	0.00	6.94
	4	(untitled)	3	770-1	B	361	2250	13	0.00	69	31	32.58	28.43	95.13	5.78	20	0	0.00	8.10
Dc	1	(untitled)	3	770-1	A	662	2100	37	10.00	50	81	8.84	2.73	8.61	1.69	100	500	0.00	10.70
	2	(untitled)	3	770-1	A	784	2100	37	6.00	59	53	17.14	11.27	58.66	7.67	100	500	0.00	63.67
	3	(untitled)	3	770-1	A	348	2100	37	19.00	26	244	6.83	1.19	7.38	0.43	100	500	0.00	3.24
	4	(untitled)	3	770-1	A	354	2100	37	20.00	27	238	6.55	1.14	3.82	0.23	100	500	0.00	2.44
Dc f	1	(untitled)	3			805	2050	60	28.00	39	129	5.47	0.57	0.00	0.13	100	100	0.00	1.80
	2	(untitled)	3			1027	2100	60	28.00	49	84	5.72	0.82	0.00	0.23	100	100	0.00	3.32
	3	(untitled)	3			662	2100	60	31.00	32	186	6.76	0.39	0.00	0.07	100	100	0.00	1.03

	4	(untitled)	3			784	2100	60	24.37	51	75	9.69	2.32	15.63	2.21	100	100	0.00	9.30
	5	(untitled)	3			348	2100	60	33.00	17	443	6.46	0.17	0.00	0.02	100	100	0.00	0.23
	6	(untitled)	3			354	2050	60	41.00	17	420	8.12	0.18	0.00	0.02	100	100	0.00	0.26
Df	1	(untitled)	3-2			610	1900	60	0.00	32	180	24.45	0.45	0.00	0.08	100	100	0.00	1.08
	2	(untitled)	3-2			693	2250	60	0.00	31	192	24.36	0.36	0.00	0.07	100	100	0.00	0.97
Dxp	1	(untitled)	3-2	770-2	D	816	2050	43	5.00	54	66	6.18	2.75	12.52	1.74	100	100	0.00	12.13
	2	(untitled)	3-2	770-2	D	1028	2050	43	5.00	68	32	6.25	2.65	9.40	4.22	100	100	0.00	13.83
Ec	1	(untitled)	4	770-3	F	672	2150	38	10.00	48	87	10.31	6.56	34.53	3.83	100	500	0.00	54.60
	2	(untitled)	4	770-3	F	573	2263	38	13.00	39	131	10.04	6.41	46.05	4.98	100	500	0.00	56.84
	3	(untitled)	4	770-3	F	669	2263	38	14.00	45	98	5.16	1.65	5.17	2.55	100	500	0.00	9.89
	4	(untitled)	4	770-3	F	337	2250	38	24.00	23	291	6.44	1.03	4.98	0.28	100	500	0.00	2.42
Ecf	1	(untitled)	4			753	2100	60	18.00	36	151	3.92	0.48	0.00	0.10	100	100	0.00	1.42
	2	(untitled)	4			1078	2100	60	14.00	51	75	4.38	0.90	0.00	0.27	100	100	0.00	3.84
	3	(untitled)	4			573	2263	60	27.00	25	255	4.62	0.27	0.00	0.04	100	100	0.00	0.61
	4	(untitled)	4			669	2300	60	28.00	29	210	4.95	0.32	0.00	0.06	100	100	0.00	0.85
	5	(untitled)	4			379	2300	60	39.00	16	447	5.88	0.15	0.00	0.02	100	100	0.00	0.23
Ef	1	(untitled)	4			771	1900	60	0.00	41	122	15.95	0.65	0.00	0.14	100	100	0.00	1.97
	2	(untitled)	4			551	1900	60	0.00	29	210	15.69	0.39	0.00	0.06	100	100	0.00	0.84
Exp	1	(untitled)	4-2	770-4	L	753	2050	42	12.00	51	76	6.74	2.85	15.29	2.86	100	100	0.00	12.16
	2	(untitled)	4-2	770-4	L	406	2050	42	11.00	28	225	4.50	0.47	0.00	0.05	100	100	0.00	0.75
F	1	(untitled)	5	771-1	B	169	2100	7	3.00	60	49	50.61	44.23	11.5.44	3.27	20	0	0.00	5.91
	2	(untitled)	5	771-1	B	280 <	2100	7	0.00	100	-10	262.96	25.6.54	32.6.91	21.81+	20	0	0.00	56.67
	3	(untitled)	5	771-1	B	280 <	2100	7	0.00	100	-10	263.08	25.6.54	32.6.91	21.81+	20	0	0.00	56.67
Fc	1	(untitled)	5	771-1	A	718	2263	43	10.00	43	108	20.90	1.69	15.78	1.97	100	500	0.00	14.15
	2	(untitled)	5	771-1	A	794	2263	43	10.55	48	86	20.47	1.53	8.44	1.94	100	500	0.00	10.35
	3	(untitled)	5	771-1	A	738	2263	43	22.35	48	87	23.28	3.79	30.36	5.32	100	500	0.00	28.44
Ff	1	(untitled)	5			449 <	1900	60	45.81	100	-10	407.12	37.4.03	57.3.09	57.94+	100	100	0.00	695.14
	2	(untitled)	5			276	1900	60	51.16	99	-9	361.54	32.8.49	38.3.51	30.34	100	100	0.00	371.07
G	1	(untitled)	2	769-2	F	293	2050	14	5.66	60	51	40.12	24.14	11.3.20	5.73	100	500	0.00	56.20
	2	(untitled)	2	769-2	F	300	2050	14	0.59	61	48	39.71	28.33	11.3.74	7.48	100	500	0.00	88.28

Gf	1	(untitled)	4			287	2050	60	48.00	14	543	3.18	0.14	0.00	0.01	100	100	0.00	0.16
	2	(untitled)	4			264	2050	60	48.00	13	599	3.13	0.13	0.00	0.01	100	100	0.00	0.14
xA	1	(untitled)	10			787	2263	60	21.00	35	159	17.65	0.42	0.00	0.09	100	100	0.00	1.31
	2	(untitled)	10			734	2263	60	32.00	32	177	17.63	0.38	0.00	0.08	100	100	0.00	1.11
xB	1	(untitled)				1666	Unrestricted	60	0.00	0	Unrestricted	6.49	0.00	0.00	0.00	100	100	0.00	0.00
xC	1	(untitled)				617	1900	60	38.85	77	16	24.52	15.85	74.37	10.58	100	100	0.00	53.30
	2	(untitled)				634	1900	60	39.49	82	10	24.03	15.33	80.51	8.78	100	100	0.00	54.73
xD	1	(untitled)				816	Unrestricted	60	12.00	0	Unrestricted	9.11	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				1028	Unrestricted	60	13.00	0	Unrestricted	9.16	0.00	0.00	0.00	100	100	0.00	0.00
xE	1	(untitled)				753	Unrestricted	60	8.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				406	Unrestricted	60	15.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	1	(untitled)				772	Unrestricted	60	0.00	0	Unrestricted	12.19	0.00	0.00	0.00	100	100	0.00	0.00
Cc 1	1	(untitled)	2	769-2	E	658	2050	31	4.02	60	49	18.96	12.39	61.07	8.21	100	100	0.00	47.92
E1	1	(untitled)	4	770-3	G	370	2050	11	0.00	90	0	62.86	56.86	135.90	8.84	20	0	0.00	16.60
	2	(untitled)	4	770-3	G	401	2200	11	0.00	91	-1	63.43	57.43	136.51	9.61	20	0	0.00	18.17
Gf 1	1	(untitled)	4			42	691	60	47.00	6	1380	5.91	0.17	0.00	0.00	100	100	0.00	0.03
Cc 2	2	(untitled)	2	769-2	D	731	2150	32	4.60	63	43	16.67	7.05	39.41	7.53	100	500	0.00	45.42
	3	(untitled)	2	769-2	D	423	2050	32	19.00	38	140	10.92	0.96	0.00	0.11	100	500	0.00	1.60
	4	(untitled)	2	769-2	D	1024	2150	32	3.26	87	3	25.13	19.05	58.88	10.94	100	500	0.00	198.09
	5	(untitled)	2	769-2	D	649	2050	32	5.25	58	55	11.16	4.16	17.77	2.82	100	500	0.00	30.82
	6	(untitled)	2	769-2	D	319	2050	32	21.00	28	218	10.41	2.48	49.65	6.01	100	500	0.00	20.77
E2	3	(untitled)	4	770-3	H	287	2150	11	0.33	69	31	35.53	31.54	98.10	4.72	20	0	0.00	7.14
	4	(untitled)	4	770-3	H	264	2050	11	0.00	64	40	33.93	29.85	95.93	4.24	20	0	0.00	6.22
T C5	2	(untitled)	TC 771-6	TC77 7-1	A	627	2263	38	8.00	42	117	5.08	2.32	20.29	2.19	100	100	0.00	7.33
	3	(untitled)	TC 771-6	TC77 7-1	A	734	2263	38	17.00	49	85	5.64	2.88	17.80	2.13	100	100	0.00	9.98
	4	(untitled)	TC 771-6	TC77 7-1	C	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
T C9	1	(untitled)	TC 771-6	TC77 7-1	B	1256 <	1925	39	0.00	93	-3	34.82	23.81	91.61	20.64 +	100	100	0.00	132.41
	2	(untitled)	TC 771-6	TC77 7-1	B	732	1966	39	0.00	53	69	16.85	5.79	42.79	5.27	100	100	0.00	20.64
	3	(untitled)	TC 771-6	TC77 7-1	B	383	1947	39	0.00	28	220	15.01	3.89	34.18	2.18	100	100	0.00	7.51

T C3 5	1	(untitled)	TC 771 -6	TC77 7-1	A	160	1900	38	23.00	13	614	7.07	4.17	44.28	1.46	100	100	0.00	3.51
T C3 6	1	(untitled)	TC 771 -6			401	1800	60	0.00	22	304	3.31	0.29	0.00	0.03	100	100	0.00	0.45
T C3 7	1	(untitled)	TC 771 -6	TC77 7-2	J	73	1850	45	0.00	5	1649	5.01	1.82	23.45	0.29	100	100	0.00	1.12
T C3 8	1	(untitled)	TC 771 -6			73	453	60	13.00	16	458	3.04	1.50	29.12	2.43	100	100	0.00	1.17
T C3 9	2	(untitled)	TC 771 -6			627	2263	60	28.00	28	225	2.84	0.30	0.00	0.05	100	100	0.00	0.75
	3	(untitled)	TC 771 -6			734	2263	60	37.00	32	177	2.78	0.38	0.00	0.08	100	100	0.00	1.11
T C4 0	2	(untitled)	TC 771 -6			700	Unrestricted	60	2.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC 771 -6			734	Unrestricted	60	23.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
T C4 1	1	(untitled)	TC 771 -6	TC77 7-1	D	328	1850	11	0.00	89	2	59.44	55.51	13.158	7.83	100	100	0.00	86.84
T C4 2	1	(untitled)	TC 771 -6	TC77 7-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
T C4 3	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			1251	1300	60	2.00	96	-6	41.32	25.29	0.00	8.79	100	100	0.00	124.78
48	1	(untitled)	2			964 <	1965	60	34.54	116	-22	274.44	267.83	30.070	81.73+	100	100	0.00	1049.84
49	1	(untitled)	TC 771 -6			1256	1900	60	1.06	67	34	5.13	1.98	3.41	1.74	100	100	0.00	10.33
	2	(untitled)	TC 771 -6			1115	1900	60	0.00	59	53	4.49	1.34	0.00	0.42	100	100	0.00	5.90
50	1	(untitled)	1			1313	1900	60	0.00	69	30	7.89	2.11	0.00	0.77	100	100	0.00	10.92
51	1	(untitled)	4-2			904 <	1900	60	37.10	125	-28	377.88	373.39	33.293	103.21+	100	100	0.00	1361.69

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 saturation flow (Ped/hr)	Actual greens (per cycle)	Degree of saturation (%)	Practical reserve capacity	Journey Time (s)	Mean Delay per Ped (s)	Mean queue (Ped)	Delay weighting (%)	Cost of traffic penalties (£ per hr)	P.I.
1	1	(untitled)	3-2	770-2	E	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3-2	770-2	E	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
2	1	(untitled)	3	770-1	C	0	11000	35	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3	770-1	C	0	11000	35	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

3	1	(untitled)	4-2	770-4	M	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4-2	770-4	M	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
4	1	(untitled)	4	770-3	J	0	11000	37	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	J	0	11000	37	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	1	(untitled)	4	770-3	I	0	11000	37	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	I	0	11000	37	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	37	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	37	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
8	1	(untitled)	1	769-1	C	0	11000	31	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	1	769-1	C	0	11000	31	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
9	1	(untitled)	2	769-2	J	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	J	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
10	1	(untitled)	2	769-2	K	0	11000	16	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	K	0	11000	16	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	1	(untitled)		769-2	H	0	11000	29	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	29	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	1	(untitled)	2	769-2	I	0	11000	29	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	29	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	Mean journey	Total delay	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Excess queue	Performance Index (£ per hr)

		(PCU- hr/hr)	speed (kph)	(PCU- hr/hr)			penalty (£ per hr)	
Normal traffic	6309.39	646.87	9.75	480.03	5153.12	746.49	0.00	5899.61
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	6309.39	646.87	9.75	480.03	5153.12	746.49	0.00	5899.61

- < = 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**