TRANSYT 15

Filename: M62 JN 28 CRF Scheme_Mar 20- Scenario 4-AM - Mitigation.t15
Path: Z:\Projects\10127ITM Capitol Park, Leeds F2 (F1A)\Tech\Transyt\TRANSYT - AGREED HE_LCC BASE MODEL (MARCH 2020)\Post-Submission Work
Report generation date: 16/07/2021 00:14:24

File summary

File description

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

Model and Results

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

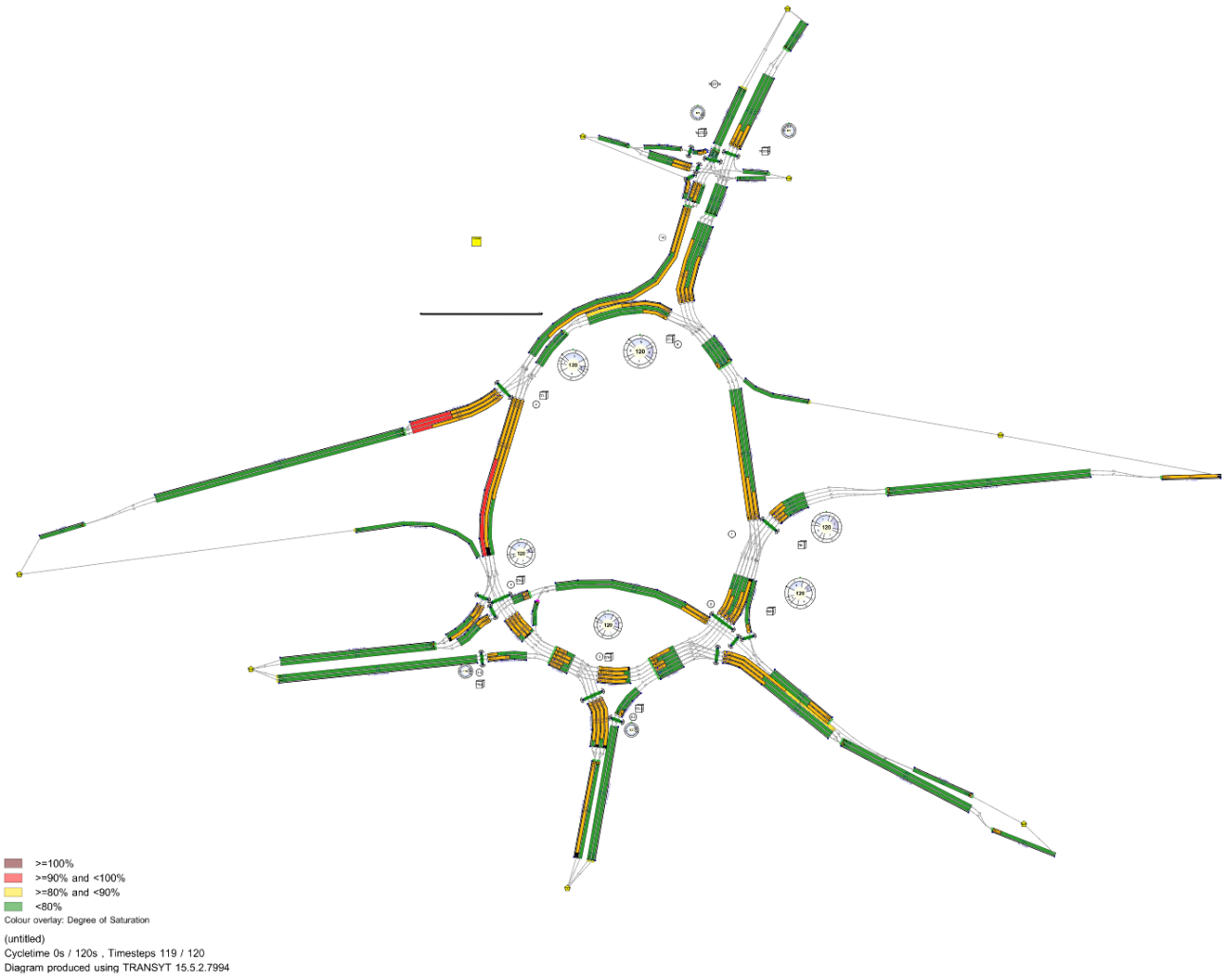
Units

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

Sorting

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

Network Diagrams



A1 - 2019 Base + Committed + Cumulative AM + Mitigation
D1 - 2019 Base + Committed + Cumulative AM - Mitigation*

Summary

Data Errors and Warnings

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

Run Summary

Analysis set used	Run start time	Run finish time	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Ite wit wor over PR
1	16/07/2021 00:12:58	16/07/2021 00:13:10	07:30	120	4491.39	267.17	104.32	Df/1	11	7	TC42/1	Df/1	TC4

Analysis Set Details

Name	Description	Demand set	Include in report	Locked
2019 Base + Committed + Cumulative AM + Mitigation		D1	✓	

Demand Set Details

Name	Description	Composite	Demand sets	Start time (HH:mm)	Locked
2019 Base + Committed + Cumulative AM - Mitigation				07:30	

Network Options

Network timings

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

Signals options

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

Advanced

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

Traffic options

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

Advanced

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

Normal Traffic parameters

Dispersion type	Dispersion coefficient	Travel time coefficient
Default	35	80

Normal Traffic Types

Name	PCU Factor
Normal	1.00

Bus parameters

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

Tram parameters

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

Pedestrian parameters

Dispersion type
Default

Optimisation options

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

Advanced

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

Economics

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

Traffic Nodes

Traffic Nodes

Traffic node	Name	Description
(ALL)	(untitled)	

Arms and Traffic Streams

Arms

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

Traffic Streams

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

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

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

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

Lanes

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

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

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

Modelling

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

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

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

Modelling - Advanced

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

Normal traffic - Modelling

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

Normal traffic - Advanced

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

Flows

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

A	1	402	402
	2	154	154
	3	347	347
	4	510	510
Ac	1	1073	1073
	2	213	213
	3	381	381
Acf	1	1286	1286
	2	381	381
Af	1	556	556
	2	347	347
	3	510	510
B	1	395	395
	2	399	399
	3	527	527
	4	511	511
Bc	1	367	367
	2	514	514
	3	724	724
Bcf	1	1475	1475
	2	367	367
	3	514	514
	4	724	724
Bf	1	794	794
	2	1038	1038
C	1	477	477
	2	460	460
	3	553	553
Cf	1	937	937
	2	553	553
D	1	509	509
	2	579	579
	3	503	503
	4	594	594
Dc	1	892	892
	2	849	849
	3	739	739
	4	881	881
Dcf	1	953	953
	2	209	209
	3	892	892
	4	849	849
	5	739	739
	6	881	881
Df	1	1088	1088
	2	1097	1097
Dxp	1	953	953
	2	209	209
Ec	1	800	800
	2	1318	1318
	3	1349	1349
	4	593	593
Ecf	1	973	973
	2	1276	1276
	3	1318	1318
	4	1349	1349
	5	629	629

Ef	**1**	841	841
	2	471	471
Exp	**1**	973	973
	2	476	476
F	**1**	290	290
	2	290	290
	3	309	309
Fc	**1**	1536	1536
	2	1383	1383
	3	1131	1131
Ff	**1**	580	580
	2	309	309
G	**1**	259	259
	2	248	248
Gf	**1**	241	241
	2	230	230
xA	**1**	1676	1676
	2	1596	1596
xB	**1**	1475	1475
xC	**1**	462	462
	2	450	450
xD	**1**	953	953
	2	209	209
xE	**1**	973	973
	2	476	476
xF	**1**	851	851
Cc1	**1**	405	405
E1	**1**	303	303
	2	538	538
Gf1	**1**	36	36
Cc2	**2**	871	871
	3	389	389
	4	705	705
	5	556	556
	6	511	511
E2	**3**	241	241
	4	230	230
TC5	**2**	1105	1105
	3	1596	1596
	4	0	0
TC9	**1**	463	463
	2	339	339
	3	424	424
TC35	**1**	571	571
TC36	**1**	226	226
TC37	**1**	40	40
TC38	**1**	40	40
TC39	**2**	1105	1105
	3	1596	1596
TC40	**2**	1145	1145
	3	1596	1596
TC41	**1**	93	93
	2	93	93
TC42	**1**	0	0
TC43	**1**	0	0
47	**1**	912	912
48	**1**	1490	1490

49	1	463	463
	2	763	763
50	1	1832	1832
51	1	889	889

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	
	2	TC777-1	D	
TC42	1	TC777-1	E	

Entry Sources

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

Sources

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

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

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

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

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

Give Way Data

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

Give Way Data - All Movements - Conflicts

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

Pedestrian Crossings

Pedestrian Crossings

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

Pedestrian Crossings - Signals

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

Pedestrian Crossings - Sides

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

Pedestrian Crossings - Modelling

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

Local OD Matrix - Local Matrix: 1

Local Matrix Options

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

Normal Input Flows (PCU/hr)

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	0	47	373	2	443	165	802	0
	B28	35	0	91	266	580	49	469	0
	C28	561	36	0	346	163	59	1020	0
	D28	3	209	262	0	47	148	220	0
	E28	474	471	76	51	0	50	190	0
	F28	72	16	20	68	10	0	40	0
	G28	330	133	339	118	206	100	0	0
	H28	0	0	0	0	0	0	0	0

Bus Input Flows not shown as they are blank.

Tram Input Flows not shown as they are blank.

Pedestrian Input Flows not shown as they are blank.

Locations

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

Normal Paths and Flows

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

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

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

Signal Timings

Network Default: 120s cycle time; 120 steps

Controller Stream 769-1

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

Controller Stream 769-1 - Properties

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

Controller Stream 769-1 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 769-1

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

Banned Stage transitions for Controller Stream 769-1

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 769-1

		To	
		1	2
From	1	0	7
	2	5	0

Resultant Stages

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

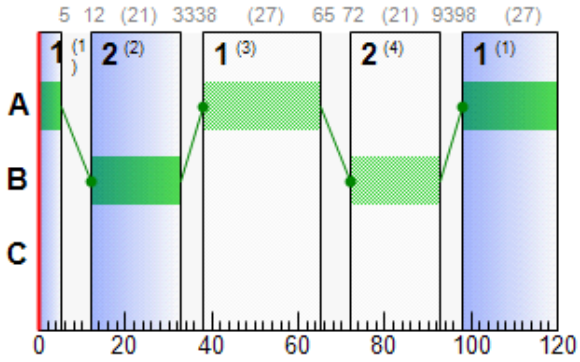
Resultant Phase Green Periods

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

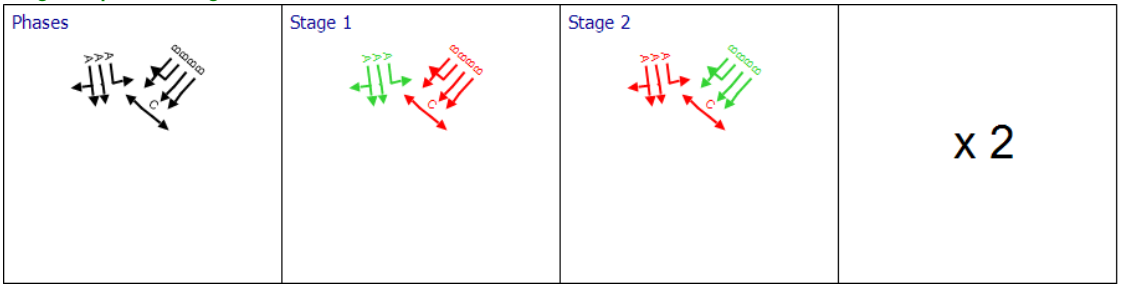
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 769-1



Stage Sequence Diagram for Controller Stream 769-1



Controller Stream 769-2

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

Controller Stream 769-2 - Properties

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

Controller Stream 769-2 - Optimisation

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

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 769-2

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

Banned Stage transitions for Controller Stream 769-2

		To		
		4	5	6
From	4			
	5			
	6			

Interstage Matrix for Controller Stream 769-2

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

Resultant Stages

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

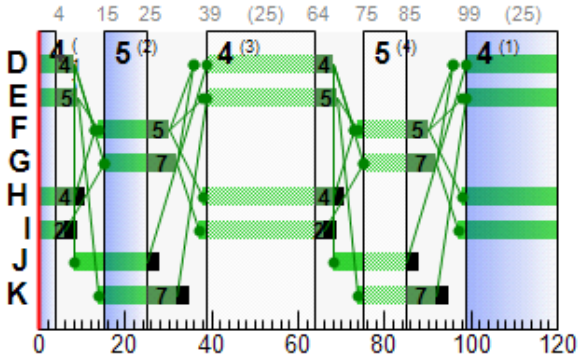
Resultant Phase Green Periods

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

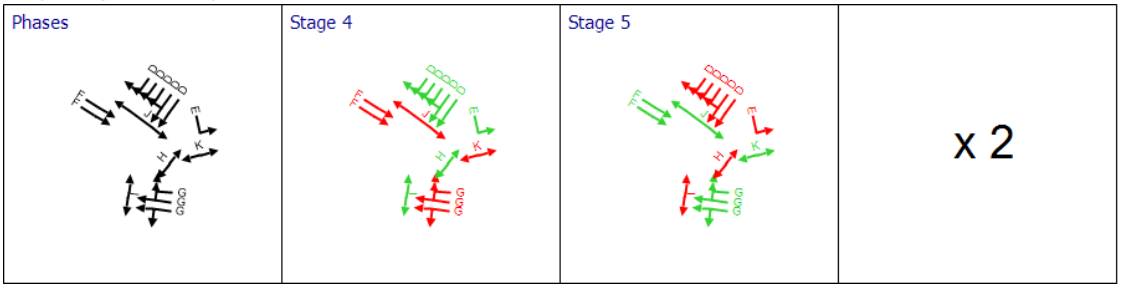
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 769-2



Stage Sequence Diagram for Controller Stream 769-2



Controller Stream 770-1

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

Controller Stream 770-1 - Properties

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

Controller Stream 770-1 - Optimisation

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

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 770-1

		To		
		A	B	C
From	A		5	
	B	5		5
	C		9	

Banned Stage transitions for Controller Stream 770-1

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 770-1

		To	
		1	2
From	1	0	9
	2	5	0

Resultant Stages

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

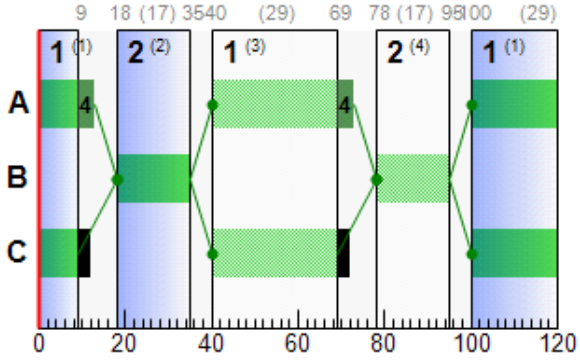
Resultant Phase Green Periods

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

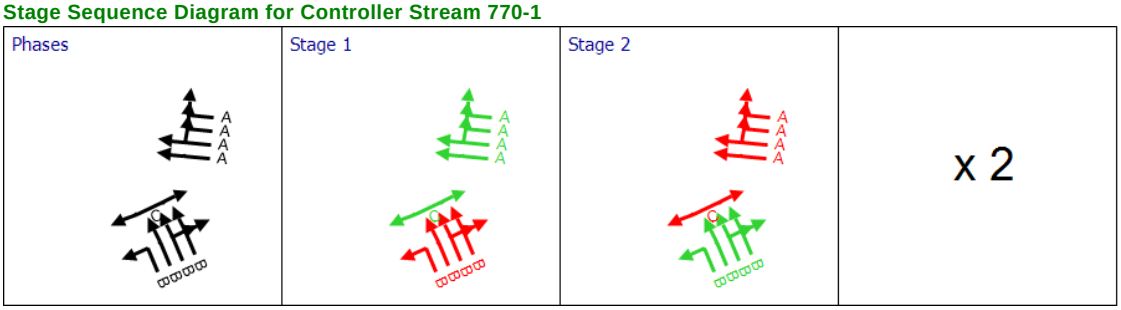
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 770-1



Stage Sequence Diagram for Controller Stream 770-1



Controller Stream 770-2

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

Controller Stream 770-2 - Properties

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

Controller Stream 770-2 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 770-2

		To	
		D	E
From	D		5
	E	7	

Banned Stage transitions for Controller Stream 770-2

		To	
		4	5
From	4		
	5		

Interstage Matrix for Controller Stream 770-2

		To	
		4	5
From	4	0	5
	5	7	0

Resultant Stages

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

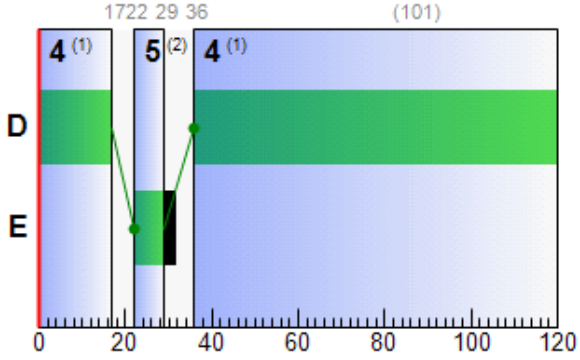
Resultant Phase Green Periods

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

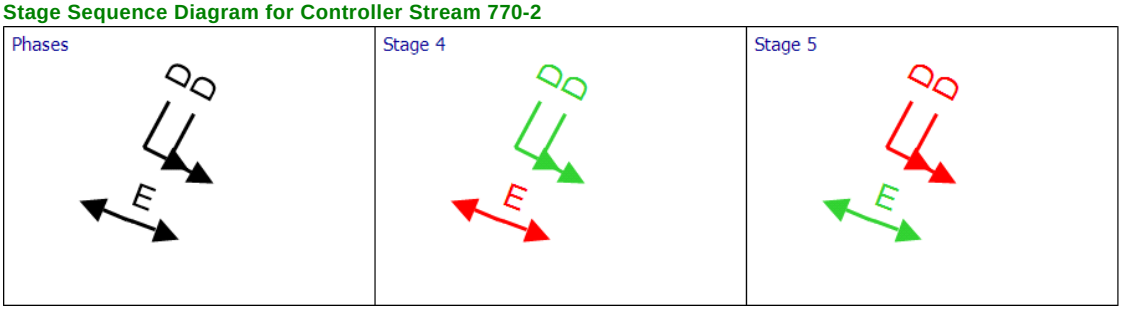
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 770-2



Stage Sequence Diagram for Controller Stream 770-2



Controller Stream 770-3

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

Controller Stream 770-3 - Properties

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

Controller Stream 770-3 - Optimisation

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

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 770-3

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

Banned Stage transitions for Controller Stream 770-3

		To		
		7	8	9
From	7			
	8			
	9			

Interstage Matrix for Controller Stream 770-3

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

Resultant Stages

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

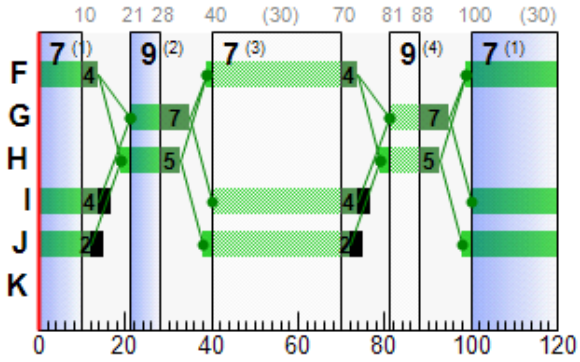
Resultant Phase Green Periods

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

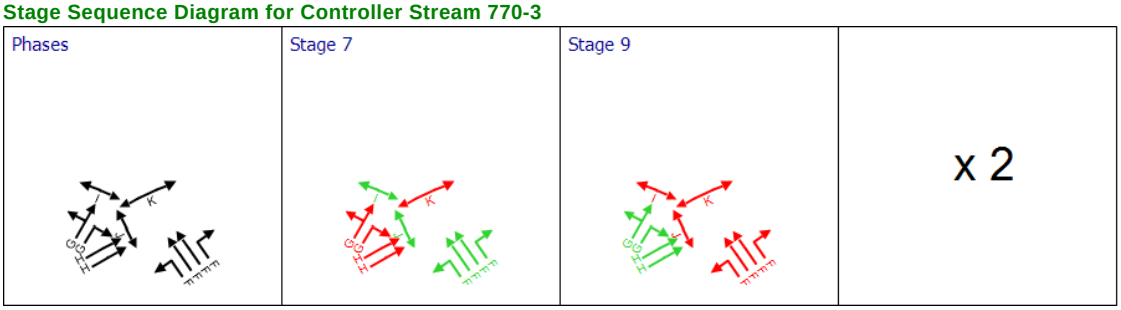
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 770-3



Stage Sequence Diagram for Controller Stream 770-3



Controller Stream 770-4

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

Controller Stream 770-4 - Properties

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

Controller Stream 770-4 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 770-4

		To	
		L	M
From	L		5
	M	7	

Banned Stage transitions for Controller Stream 770-4

		To	
		11	12
From	11		
	12		

Interstage Matrix for Controller Stream 770-4

		To	
		11	12
From	11	0	5
	12	7	0

Resultant Stages

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

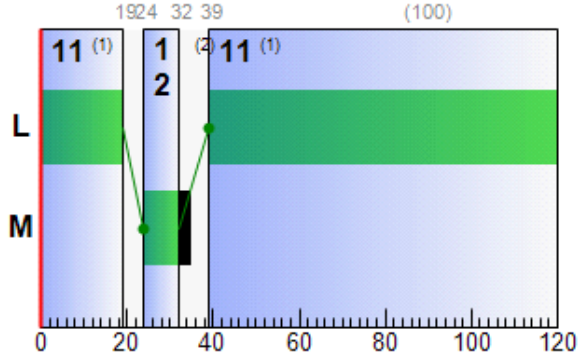
Resultant Phase Green Periods

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

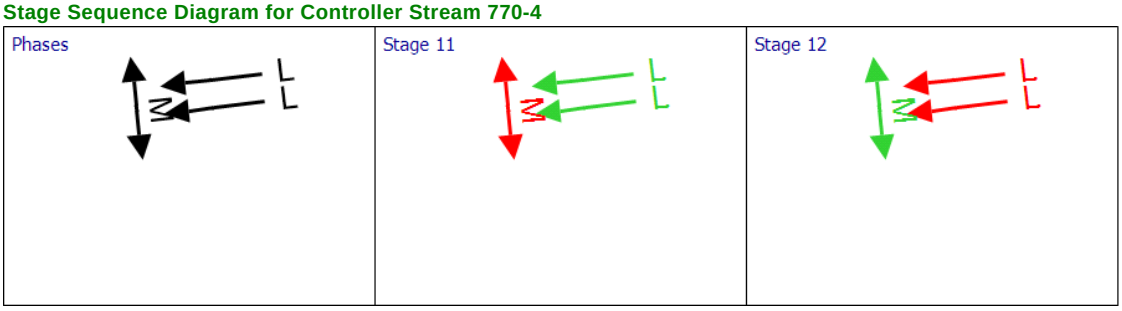
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 770-4



Stage Sequence Diagram for Controller Stream 770-4



Controller Stream 771-1

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

Controller Stream 771-1 - Properties

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

Controller Stream 771-1 - Optimisation

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

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 771-1

		To		
		A	B	C
From	A		5	
	B	5		5
	C		11	

Banned Stage transitions for Controller Stream 771-1

		To		
		1	2	3
From	1			
	2			
	3			

Interstage Matrix for Controller Stream 771-1

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

Resultant Stages

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

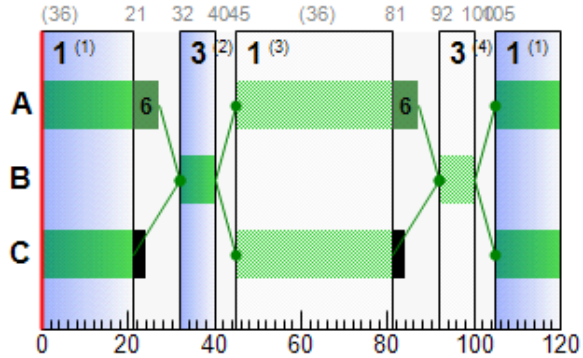
Resultant Phase Green Periods

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

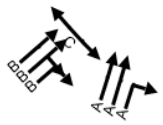
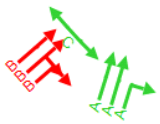
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 771-1



Stage Sequence Diagram for Controller Stream 771-1

Phases	Stage 1	Stage 3	
			x 2

Controller Stream 771-2

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

Controller Stream 771-2 - Properties

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

Controller Stream 771-2 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 771-2

		To	
		D	**E**
From	**D**		5
	E	5	

Banned Stage transitions for Controller Stream 771-2

		To	
		5	**6**
From	**5**		
	6		

Interstage Matrix for Controller Stream 771-2

		To	
		5	**6**
From	**5**	0	5
	6	5	0

Resultant Stages

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

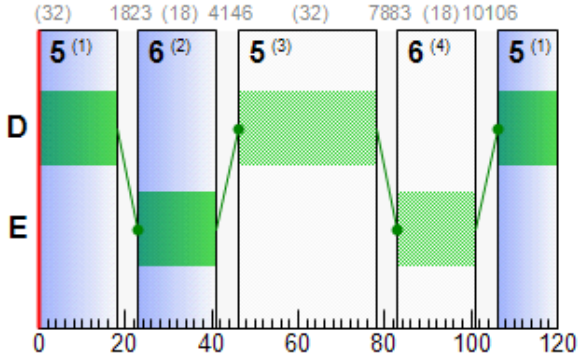
Resultant Phase Green Periods

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

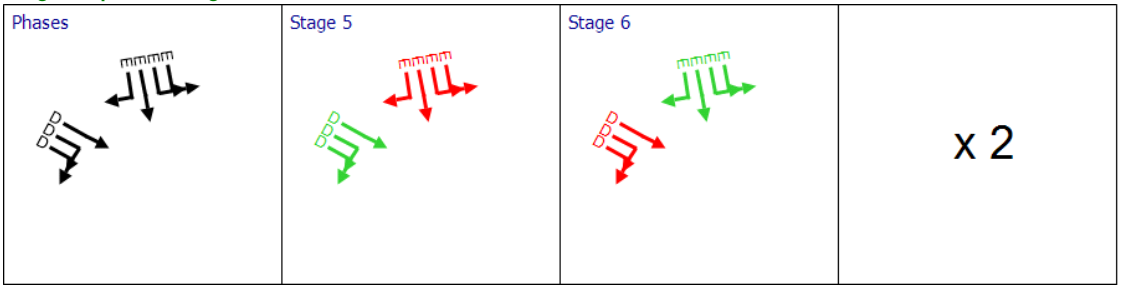
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 771-2



Stage Sequence Diagram for Controller Stream 771-2



Controller Stream TC777-1

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

Controller Stream TC777-1 - Properties

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

Controller Stream TC777-1 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream TC777-1

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

Banned Stage transitions for Controller Stream TC777-1

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

Interstage Matrix for Controller Stream TC777-1

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

Resultant Stages

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

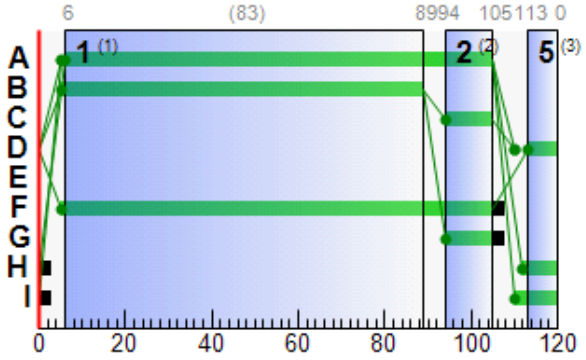
Resultant Phase Green Periods

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

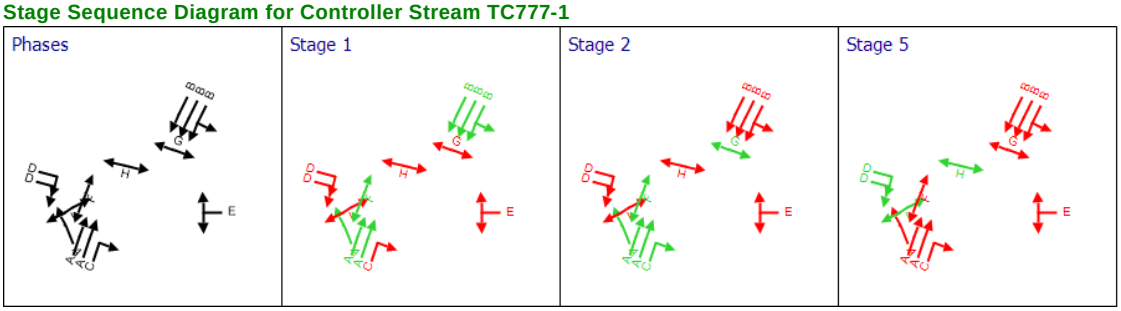
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream TC777-1



Stage Sequence Diagram for Controller Stream TC777-1



Controller Stream TC777-2

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

Controller Stream TC777-2 - Properties

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

Controller Stream TC777-2 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream TC777-2

		To	
		J	K
From	J		5
	K	5	

Banned Stage transitions for Controller Stream TC777-2

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream TC777-2

		To	
		1	2
From	1	0	5
	2	5	0

Resultant Stages

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

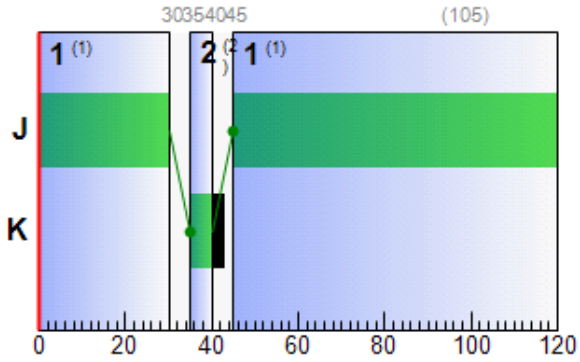
Resultant Phase Green Periods

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

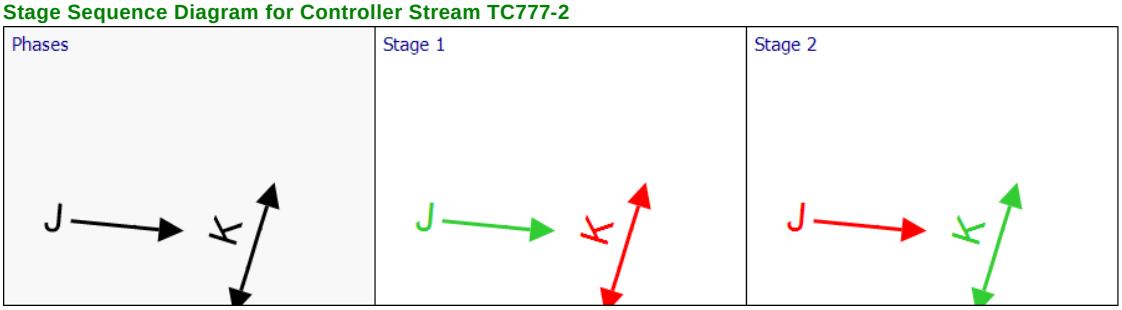
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream TC777-2



Stage Sequence Diagram for Controller Stream TC777-2



Resultant penalties

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

Results - Link

Results - Traffic Stream

Results - Traffic Stream: Vehicle summary

Time Segment	Arm	Traffic Stream	Name	Phase	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Calculated capacity (PCU/hr)	Degree of saturation (%)	Practical reserve capacity (%)	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	JourneyTime (s)
		1	(untitled)	E	402	2050	36	649	62	45	17.99	7.56	58.35	23.58

	A	2	(untitled)	E	155	2050	36	649	24	277	11.31	2.40	17.93	17.07
		3	(untitled)	E	347	2050	36	649	53	68	14.77	5.36	39.20	20.67
		4	(untitled)	E	510	2050	36	649	79	15	24.57	10.93	78.19	30.60
	Ac	1	(untitled)	D	1073	2263	64	1245	86	4	16.36	9.66	57.97	23.55
		2	(untitled)	D	214	2263	64	1245	17	423	0.30	0.02	0.11	9.80
		3	(untitled)	D	382	2263	64	1245	31	193	1.20	4.78	31.24	7.79
	Acf	1	(untitled)		1287	2263	120	2263	57	58	1.05	0.37	3.09	6.27
		2	(untitled)		382	2263	120	2263	17	433	0.16	0.02	0.14	7.40
	Af	1	(untitled)		557	2050	120	2050	27	231	0.33	0.05	0.54	6.75
		2	(untitled)		347	2050	120	2050	17	432	0.18	0.02	0.19	6.53
		3	(untitled)		510	2050	120	2050	25	262	0.29	0.04	0.45	6.62
	B	1	(untitled)	B	396	2050	42	752	53	71	17.57	5.03	30.58	24.67
		2	(untitled)	B	399	2150	42	782	51	76	17.25	5.02	29.69	24.54
		3	(untitled)	B	527	2100	42	770	68	31	21.08	6.96	40.16	28.56
		4	(untitled)	B	511	2050	42	752	68	32	21.06	7.29	40.90	33.35
	Bc	1	(untitled)	A	369	2050	54	957	39	133	5.27	4.83	20.99	15.20
		2	(untitled)	A	514	2050	54	938	55	64	7.84	7.42	32.57	17.66
		3	(untitled)	A	725	2050	54	957	76	19	11.25	19.72	87.54	20.97
	Bcf	1	(untitled)		1475	2263	120	2263	65	38	1.48	0.61	5.57	5.64
		2	(untitled)		369	2263	120	2263	16	452	0.15	0.02	0.14	5.28
		3	(untitled)		514	2263	120	2263	23	296	0.23	0.03	0.31	5.97
		4	(untitled)		725	2263	120	2261	32	181	0.38	2.05	18.91	6.18
	Bf	1	(untitled)		795	1800	120	1800	44	104	0.79	0.17	0.44	28.13
		2	(untitled)		1038	1800	120	1800	58	56	1.36	0.39	0.99	28.77
	C	1	(untitled)	G	477	2100	34	630	76	19	27.79	7.81	37.06	42.32
		2	(untitled)	G	460	2200	34	642	72	26	25.81	7.29	34.04	40.58
		3	(untitled)	G	553	2050	34	615	90	0	43.38	11.66	53.92	58.30
	Cf	1	(untitled)		937	1965	120	1965	48	89	0.83	0.22	0.86	18.19
		2	(untitled)		553	1965	120	1965	28	220	0.36	0.06	0.22	17.86
	D	1	(untitled)	B	489	2050	34	615	79	13	39.37	8.27	86.46	43.50
		2	(untitled)	B	555	1850	34	555	100	-10	113.45	20.57	215.10	117.57
		3	(untitled)	B	503	2250	34	675	75	21	26.57	7.55	82.10	30.54
		4	(untitled)	B	594	2250	34	675	88	2	37.84	11.07	114.84	42.00
	Dc	1	(untitled)	A	892	2100	66	1189	75	20	11.97	7.58	86.68	15.74
		2	(untitled)	A	849	2100	66	1186	72	26	12.77	7.81	92.94	16.40
		3	(untitled)	A	739	2100	66	1006	73	23	10.02	6.60	81.78	13.50
		4	(untitled)	A	881	2100	66	1065	83	9	15.65	8.15	105.31	18.98
	Dcf	1	(untitled)		953	2050	120	2050	46	94	0.76	0.20	1.76	5.71
		2	(untitled)		209	2100	120	2100	10	804	0.09	0.01	0.05	5.04
		3	(untitled)		892	2100	120	2005	44	102	1.30	5.08	44.03	6.28
		4	(untitled)		849	2100	120	1490	57	58	3.39	5.02	43.36	8.38
		5	(untitled)		739	2100	120	2028	36	147	0.71	2.58	22.22	5.73
		6	(untitled)		881	2100	120	1892	47	93	2.74	9.65	82.62	7.78
	Df	1	(untitled)		1089	1900	120	1044	104	-14	113.24	47.89	137.69	137.24
		2	(untitled)		1097	2250	120	2211	50	81	0.80	0.85	2.45	24.80
	Dxp	1	(untitled)	D	953	2050	101	1743	55	65	1.56	1.63	20.05	5.06
		2	(untitled)	D	209	2050	101	1743	12	650	0.28	0.14	1.68	3.93
	Ec	1	(untitled)	F	786	2150	70	1290	61	48	8.66	6.81	78.18	12.42
		2	(untitled)	F	1294	2263	70	1358	95	-6	26.06	14.53	172.47	29.69
		3	(untitled)	F	1349	2263	70	1358	99	-9	46.83	22.77	279.88	50.34
		4	(untitled)	F	593	2250	70	1350	44	105	11.36	7.06	90.05	14.75
	Ecf	1	(untitled)		971	2100	120	2091	46	94	0.80	4.87	60.92	4.24
		2	(untitled)		1259	2100	120	2094	60	50	1.34	5.17	64.10	4.82
		3	(untitled)		1294	2263	120	1740	74	21	6.25	7.22	88.50	9.77
		4	(untitled)		1349	2300	120	1708	79	14	6.43	7.26	87.85	9.99
		5	(untitled)		629	2300	120	1771	36	153	4.05	4.82	57.07	7.69
	Ef	1	(untitled)		841	1900	120	1900	44	103	0.75	0.18	0.79	16.06
07:30-		2	(untitled)		471	1900	120	1900	25	263	0.31	0.04	0.18	15.62

08:30	Exp	1	(untitled)	L	971	2050	100	1725	56	60	1.87	5.05	56.05	5.75
		2	(untitled)	L	474	2050	100	1725	27	228	1.04	2.37	25.38	5.07
	F	1	(untitled)	B	290	2100	16	315	92	-2	73.13	8.13	54.94	79.51
		2	(untitled)	B	291	2100	16	315	92	-3	74.40	8.26	55.43	80.82
		3	(untitled)	B	310	2100	16	315	98	-9	108.73	11.96	78.82	115.27
	Fc	1	(untitled)	A	1512	2263	84	1622	93	-3	16.51	12.53	39.31	35.61
		2	(untitled)	A	1383	2263	84	1481	93	-4	22.25	32.81	103.96	40.95
		3	(untitled)	A	1130	2263	84	1617	70	29	5.49	20.30	64.73	24.86
	Ff	1	(untitled)		581	1900	120	1900	31	194	0.42	0.07	0.14	33.50
		2	(untitled)		310	1900	120	1900	16	452	0.18	0.02	0.03	33.23
	G	1	(untitled)	F	259	2050	32	561	46	95	38.80	4.51	16.62	54.86
		2	(untitled)	F	248	2050	32	563	44	104	43.44	4.87	18.35	54.89
	Gf	1	(untitled)		241	2050	120	2049	12	665	0.12	2.33	34.41	3.04
		2	(untitled)		230	2050	120	2049	11	702	0.12	2.33	34.79	3.00
	xA	1	(untitled)		1658	2263	120	2170	76	18	3.13	8.27	20.70	20.35
		2	(untitled)		1590	2263	120	2186	73	24	2.92	35.75	89.36	20.17
	xB	1	(untitled)		1475	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
	xC	1	(untitled)		463	1900	120	1089	43	112	5.96	7.15	35.57	14.63
		2	(untitled)		452	1900	120	1108	41	121	5.60	7.11	35.23	14.30
	xD	1	(untitled)		953	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
		2	(untitled)		209	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
	xE	1	(untitled)		971	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		474	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	xF	1	(untitled)		837	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
	Cc1	1	(untitled)	E	408	2050	60	1059	39	134	6.54	2.65	15.79	13.23
	E1	1	(untitled)	G	303	2050	28	513	59	52	24.84	4.38	31.48	30.84
		2	(untitled)	G	538	2200	28	550	98	-8	82.73	16.86	121.20	88.73
	Gf1	1	(untitled)		36	676	120	676	5	1591	1.90	0.31	3.77	5.49
	Cc2	2	(untitled)	D	871	2150	58	1034	84	7	22.00	16.18	101.78	31.87
		3	(untitled)	D	389	2050	58	1025	38	137	4.19	1.65	10.57	14.49
		4	(untitled)	D	706	2150	58	1075	66	37	19.99	10.97	69.11	29.39
		5	(untitled)	D	556	2050	58	1025	54	66	16.60	7.96	51.43	25.09
		6	(untitled)	D	511	2050	58	1025	50	81	21.19	9.94	64.55	29.16
	E2	3	(untitled)	H	241	2150	28	529	46	98	21.96	3.34	36.01	25.95
		4	(untitled)	H	230	2050	28	513	45	101	21.87	3.19	33.71	25.94
	TC5	2	(untitled)	A	1090	2263	99	1905	57	57	2.17	3.28	81.85	4.93
		3	(untitled)	A	1590	2263	99	1905	83	8	5.10	4.97	124.07	7.86
		4	(untitled)	C	0	1800	11	180	0	Unrestricted	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	464	1925	84	1396	33	171	6.62	5.13	32.18	17.63
		2	(untitled)	B	339	1966	84	1425	24	278	5.88	3.52	21.98	16.93
		3	(untitled)	B	424	1947	84	1412	30	200	6.35	4.66	28.94	17.47
	TC35	1	(untitled)	A	569	1900	99	1599	36	153	2.54	2.99	71.10	5.44
	TC36	1	(untitled)		227	1800	120	1800	13	614	0.14	0.01	0.21	3.17
	TC37	1	(untitled)	J	40	1850	105	1634	2	3577	0.90	0.16	2.02	4.09
	TC38	1	(untitled)		40	203	120	203	20	358	11.05	2.44	65.80	12.59
	TC39	2	(untitled)		1090	2263	120	2263	48	87	0.74	0.22	3.64	3.28
		3	(untitled)		1590	2263	120	2263	70	28	1.87	0.83	14.27	4.27
	TC40	2	(untitled)		1130	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		1590	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	93	1850	7	123	75	19	95.08	3.98	41.89	99.02
		2	(untitled)	D	94	1850	7	123	76	18	96.62	4.06	42.41	100.59
	TC42	1	(untitled)	E	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC43	1	(untitled)		0	1800	120	1800	0	Unrestricted	0.00	0.00	0.00	0.00
	47	1	(untitled)		915	1300	120	1300	70	28	3.26	0.83	3.57	19.30
	48	1	(untitled)		1490	1965	120	1965	76	19	2.85	1.18	12.31	9.46
	49	1	(untitled)		464	1900	120	1900	24	269	0.31	0.04	0.86	3.46
		2	(untitled)		763	1900	120	1900	40	124	0.64	0.13	2.95	3.78
	50	1	(untitled)		1833	1900	120	1900	96	-7	19.55	9.95	118.88	25.33

	51	**1**	(untitled)		891	1900	120	1900	47	92	0.84	0.21	3.17	5.33

Data Entry - Stage Start and End

Resultant Stage

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

Data Entry - Phase

Phase

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

Data Entry - Traffic Stream

Traffic Stream

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

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

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

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

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

Data entry - Link

Results - Pedestrian

Pedestrian Crossings: Pedestrian summary

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

Traffic Stream Results

Traffic Stream Results: Vehicle summary

Time Segment	Arm	Traffic Stream	Degree of saturation (%)	Practical reserve capacity (%)	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Performance Index (£ per hr)
	A	1	62	45	402	2050	36	17.99	7.56	58.35	28.52	11.28	39.80
		2	24	277	155	2050	36	11.31	2.40	17.93	6.91	3.33	10.25
		3	53	68	347	2050	36	14.77	5.36	39.20	20.22	8.79	29.01
		4	79	15	510	2050	36	24.57	10.93	78.19	49.43	16.13	65.56
	Ac	1	86	4	1073	2263	64	16.36	9.66	57.97	69.23	15.65	84.88
		2	17	423	214	2263	64	0.30	0.02	0.11	0.25	0.00	0.25
		3	31	193	382	2263	64	1.20	4.78	31.24	1.80	1.91	3.71

07:30-08:30	Acf	1	57	58	1287	2263	120	1.05	0.37	3.09	5.31	0.00	5.31
		2	17	433	382	2263	120	0.16	0.02	0.14	0.24	0.00	0.24
	Af	1	27	231	557	2050	120	0.33	0.05	0.54	0.72	0.00	0.72
		2	17	432	347	2050	120	0.18	0.02	0.19	0.24	0.00	0.24
		3	25	262	510	2050	120	0.29	0.04	0.45	0.58	0.00	0.58
	B	1	53	71	396	2050	42	17.57	5.03	30.58	27.45	9.23	36.68
		2	51	76	399	2150	42	17.25	5.02	29.69	27.15	9.26	36.41
		3	68	31	527	2100	42	21.08	6.96	40.16	43.82	13.37	57.20
		4	68	32	511	2050	42	21.06	7.29	40.90	42.45	5.47	47.92
	Bc	1	39	133	369	2050	54	5.27	4.83	20.99	7.68	4.55	12.22
		2	55	64	514	2050	54	7.84	7.42	32.57	15.90	7.57	23.47
		3	76	19	725	2050	54	11.25	19.72	87.54	32.18	12.01	44.19
	Bcf	1	65	38	1475	2263	120	1.48	0.61	5.57	8.62	0.00	8.62
		2	16	452	369	2263	120	0.15	0.02	0.14	0.23	0.00	0.23
		3	23	296	514	2263	120	0.23	0.03	0.31	0.47	0.00	0.47
		4	32	181	725	2263	120	0.38	2.05	18.91	1.07	0.06	1.13
	Bf	1	44	104	795	1800	120	0.79	0.17	0.44	2.48	0.00	2.48
		2	58	56	1038	1800	120	1.36	0.39	0.99	5.56	0.00	5.56
	C	1	76	19	477	2100	34	27.79	7.81	37.06	52.28	5.84	58.13
		2	72	26	460	2200	34	25.81	7.29	34.04	46.83	5.46	52.29
		3	90	0	553	2050	34	43.38	11.66	53.92	94.62	8.53	103.16
	Cf	1	48	89	937	1965	120	0.83	0.22	0.86	3.08	0.00	3.08
		2	28	220	553	1965	120	0.36	0.06	0.22	0.78	0.00	0.78
	D	1	79	13	489	2050	34	39.37	8.27	86.46	75.92	15.80	91.73
		2	100	-10	555	1850	34	113.45	20.57	215.10	248.36	26.25	274.60
		3	75	21	503	2250	34	26.57	7.55	82.10	52.72	14.47	67.19
		4	88	2	594	2250	34	37.84	11.07	114.84	88.66	20.87	109.53
	Dc	1	75	20	892	2100	66	11.97	7.58	86.68	42.11	14.54	56.65
		2	72	26	849	2100	66	12.77	7.81	92.94	42.76	14.99	57.76
		3	73	23	739	2100	66	10.02	6.60	81.78	29.21	15.31	44.52
		4	83	9	881	2100	66	15.65	8.15	105.31	54.37	18.26	72.63
	Dcf	1	46	94	953	2050	120	0.76	0.20	1.76	2.86	0.00	2.86
		2	10	804	209	2100	120	0.09	0.01	0.05	0.08	0.00	0.08
		3	44	102	892	2100	120	1.30	5.08	44.03	4.57	3.23	7.80
		4	57	58	849	2100	120	3.39	5.02	43.36	11.35	5.32	16.66
		5	36	147	739	2100	120	0.71	2.58	22.22	2.07	1.38	3.45
		6	47	93	881	2100	120	2.74	9.65	82.62	9.54	6.15	15.69
	Df	1	104	-14	1089	1900	120	113.24	47.89	137.69	486.44	28.26	514.70
		2	50	81	1097	2250	120	0.80	0.85	2.45	3.48	0.20	3.68
	Dxp	1	55	65	953	2050	101	1.56	1.63	20.05	5.86	1.42	7.28
		2	12	650	209	2050	101	0.28	0.14	1.68	0.23	0.12	0.35
	Ec	1	61	48	786	2150	70	8.66	6.81	78.18	26.85	12.42	39.27
		2	95	-6	1294	2263	70	26.06	14.53	172.47	133.02	26.70	159.71
		3	99	-9	1349	2263	70	46.83	22.77	279.88	249.17	38.93	288.10
		4	44	105	593	2250	70	11.36	7.06	90.05	26.58	13.56	40.14
	Ecf	1	46	94	971	2100	120	0.80	4.87	60.92	3.05	0.62	3.67
		2	60	50	1259	2100	120	1.34	5.17	64.10	6.67	0.78	7.44
		3	74	21	1294	2263	120	6.25	7.22	88.50	31.91	13.42	45.33
		4	79	14	1349	2300	120	6.43	7.26	87.85	34.22	11.57	45.79
		5	36	153	629	2300	120	4.05	4.82	57.07	10.05	5.94	15.99
	Ef	1	44	103	841	1900	120	0.75	0.18	0.79	2.49	0.00	2.49
		2	25	263	471	1900	120	0.31	0.04	0.18	0.58	0.00	0.58
	Exp	1	56	60	971	2050	100	1.87	5.05	56.05	7.14	2.50	9.64
		2	27	228	474	2050	100	1.04	2.37	25.38	1.94	1.17	3.10
	F	1	92	-2	290	2100	16	73.13	8.13	54.94	83.65	14.36	98.00
		2	92	-3	291	2100	16	74.40	8.26	55.43	85.39	14.54	99.93
		3	98	-9	310	2100	16	108.73	11.96	78.82	132.95	18.97	151.92
		1	93	-3	1512	2263	84	16.51	12.53	39.31	98.45	11.66	110.11

	Fc	2	93	-4	1383	2263	84	22.25	32.81	103.96	121.36	17.28	138.65
		3	70	29	1130	2263	84	5.49	20.30	64.73	24.47	10.60	35.07
	Ff	1	31	194	581	1900	120	0.42	0.07	0.14	0.96	0.00	0.96
		2	16	452	310	1900	120	0.18	0.02	0.03	0.23	0.00	0.23
	G	1	46	95	259	2050	32	38.80	4.51	16.62	39.64	4.75	44.39
		2	44	104	248	2050	32	43.44	4.87	18.35	42.49	8.41	50.90
	Gf	1	12	665	241	2050	120	0.12	2.33	34.41	0.12	0.03	0.15
		2	11	702	230	2050	120	0.12	2.33	34.79	0.11	0.03	0.14
	xA	1	76	18	1658	2263	120	3.13	8.27	20.70	20.45	5.45	25.90
		2	73	24	1590	2263	120	2.92	35.75	89.36	18.29	6.23	24.52
	xB	1	0	Unrestricted	1475	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	43	112	463	1900	120	5.96	7.15	35.57	10.88	8.53	19.41
		2	41	121	452	1900	120	5.60	7.11	35.23	9.98	8.17	18.15
	xD	1	0	Unrestricted	953	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	209	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	0	Unrestricted	971	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	474	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	0	Unrestricted	837	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	39	134	408	2050	60	6.54	2.65	15.79	10.52	4.04	14.56
	E1	1	59	52	303	2050	28	24.84	4.38	31.48	29.69	8.42	38.11
		2	98	-8	538	2200	28	82.73	16.86	121.20	175.57	23.36	198.93
	Gf1	1	5	1591	36	676	120	1.90	0.31	3.77	0.27	0.43	0.70
	Cc2	2	84	7	871	2150	58	22.00	16.18	101.78	75.58	13.82	89.40
		3	38	137	389	2050	58	4.19	1.65	10.57	6.43	1.28	7.71
		4	66	37	706	2150	58	19.99	10.97	69.11	55.65	11.54	67.19
		5	54	66	556	2050	58	16.60	7.96	51.43	36.41	9.83	46.24
		6	50	81	511	2050	58	21.19	9.94	64.55	42.70	12.02	54.73
	E2	3	46	98	241	2150	28	21.96	3.34	36.01	20.87	6.42	27.29
		4	45	101	230	2050	28	21.87	3.19	33.71	19.84	6.13	25.97
	TC5	2	57	57	1090	2263	99	2.17	3.28	81.85	9.33	1.23	10.56
		3	83	8	1590	2263	99	5.10	4.97	124.07	31.97	1.85	33.82
		4	0	Unrestricted	0	1800	11	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	33	171	464	1925	84	6.62	5.13	32.18	12.12	1.93	14.05
		2	24	278	339	1966	84	5.88	3.52	21.98	7.86	1.32	9.19
		3	30	200	424	1947	84	6.35	4.66	28.94	10.62	1.74	12.36
	TC35	1	36	153	569	1900	99	2.54	2.99	71.10	5.69	1.20	6.89
	TC36	1	13	614	227	1800	120	0.14	0.01	0.21	0.13	0.00	0.13
	TC37	1	2	3577	40	1850	105	0.90	0.16	2.02	0.14	0.16	0.31
	TC38	1	20	358	40	203	120	11.05	2.44	65.80	1.74	0.97	2.71
	TC39	2	48	87	1090	2263	120	0.74	0.22	3.64	3.17	0.00	3.17
		3	70	28	1590	2263	120	1.87	0.83	14.27	11.73	0.00	11.73
	TC40	2	0	Unrestricted	1130	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		3	0	Unrestricted	1590	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	TC41	1	75	19	93	1850	7	95.08	3.98	41.89	34.88	4.07	38.95
		2	76	18	94	1850	7	96.62	4.06	42.41	35.83	4.15	39.98
	TC42	1	0	-100	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	TC43	1	0	Unrestricted	0	1800	120	0.00	0.00	0.00	0.00	0.00	0.00
	47	1	70	28	915	1300	120	3.26	0.83	3.57	11.78	0.00	11.78
	48	1	76	19	1490	1965	120	2.85	1.18	12.31	16.75	0.00	16.75
	49	1	24	269	464	1900	120	0.31	0.04	0.86	0.56	0.00	0.56
		2	40	124	763	1900	120	0.64	0.13	2.95	1.91	0.00	1.91
	50	1	96	-7	1833	1900	120	19.55	9.95	118.88	141.35	0.00	141.35
	51	1	47	92	891	1900	120	0.84	0.21	3.17	2.94	0.00	2.94

Traffic Stream Results: Flows and signals

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

A	1	402	402	0		2050	649	62		45	0.67	36
	2	155	155	-1	✓	2050	649	24		277	0.62	36
	3	347	347	-1		2050	649	53		68	0.53	36
	4	510	510	-1		2050	649	79		15	0.66	36
Ac	1	1073	1073	0		2263	1245	86		4	0.99	64
	2	214	214	-1	✓	2263	1245	17		423	1.66	64
	3	382	382	-1		2263	1245	31		193	1.32	64
Acf	1	1287	1287	-1	✓	2263	2263	57		58	0.71	120
	2	382	382	-1		2263	2263	17		433	1.32	120
Af	1	557	557	-1	✓	2050	2050	27		231	0.66	120
	2	347	347	-1		2050	2050	17		432	0.53	120
	3	510	510	-1		2050	2050	25		262	0.66	120
B	1	396	396	-1		2050	752	53		71	0.00	42
	2	399	399	0		2150	782	51		76	0.00	42
	3	527	527	0		2100	770	68		31	0.00	42
	4	511	511	0		2050	752	68		32	0.00	42
Bc	1	369	369	-2	✓	2050	957	39		133	1.36	54
	2	514	514	0		2050	938	55		64	1.06	54
	3	725	725	-1		2050	957	76		19	1.06	54
Bcf	1	1475	1475	0		2263	2263	65		38	0.58	120
	2	369	369	-2	✓	2263	2263	16		452	1.36	120
	3	514	514	0		2263	2263	23		296	1.06	120
	4	725	725	-1		2263	2261	32		181	1.06	120
Bf	1	795	795	-1		1800	1800	44		104	0.00	120
	2	1038	1038	0		1800	1800	58		56	0.00	120
C	1	477	477	0		2100	630	76		19	0.00	34
	2	460	460	0		2200	642	72		26	0.00	34
	3	553	553	0		2050	615	90		0	0.00	34
Cf	1	937	937	0		1965	1965	48		89	0.00	120
	2	553	553	0		1965	1965	28		220	0.00	120
D	1	489	489	20	✓	2050	615	79		13	0.80	34
	2	555	555	24	✓	1850	555	100	✓	-10	0.80	34
	3	503	503	0		2250	675	75		21	0.00	34
	4	594	594	0		2250	675	88		2	0.00	34
Dc	1	892	892	-1		2100	1189	75		20	0.81	66
	2	849	849	-1		2100	1186	72		26	0.72	66
	3	739	739	0		2100	1006	73		23	0.78	66
	4	881	881	0		2100	1065	83		9	0.72	66
Dcf	1	953	953	0		2050	2050	46		94	0.97	120
	2	209	209	0		2100	2100	10		804	1.43	120
	3	892	892	-1		2100	2005	44		102	0.84	120
	4	849	849	-1		2100	1490	57		58	0.86	120
	5	739	739	0		2100	2028	36		147	0.82	120
	6	881	881	0		2100	1892	47		93	0.92	120
Df	1	1089	1044	-1		1900	1044	104	✓	-14	0.00	120
	2	1097	1097	0		2250	2211	50		81	0.00	120
Dxp	1	953	953	0		2050	1743	55		65	0.91	101
	2	209	209	0		2050	1743	12		650	1.28	101
Ec	1	786	786	14	✓	2150	1290	61		48	0.61	70
	2	1294	1294	24	✓	2263	1358	95	✓	-6	0.63	70
	3	1349	1349	0		2263	1358	99	✓	-9	0.65	70
	4	593	593	0		2250	1350	44		105	1.15	70
Ecf	1	971	971	2	✓	2100	2091	46		94	0.90	120
	2	1259	1259	17	✓	2100	2094	60		50	0.52	120
	3	1294	1294	24	✓	2263	1740	74		21	0.53	120
	4	1349	1349	0		2300	1708	79		14	0.57	120
	5	629	629	0		2300	1771	36		153	1.29	120

07:30-08:30	Ef	1	841	841	0		1900	1900	44		103	0.00	120
		2	471	471	0		1900	1900	25		263	0.00	120
	Exp	1	971	971	2	✓	2050	1725	56		60	0.90	100
		2	474	474	2	✓	2050	1725	27		228	0.69	100
	F	1	290	290	0		2100	315	92	✓	-2	0.00	16
		2	291	291	-1	✓	2100	315	92	✓	-3	0.00	16
		3	310	310	-1		2100	315	98	✓	-9	0.00	16
	Fc	1	1512	1512	24	✓	2263	1622	93	✓	-3	0.55	84
		2	1383	1383	0		2263	1481	93	✓	-4	0.75	84
		3	1130	1130	1		2263	1617	70		29	0.96	84
	Ff	1	581	581	-1	✓	1900	1900	31		194	0.00	120
		2	310	310	-1		1900	1900	16		452	0.00	120
	G	1	259	259	0		2050	561	46		95	1.46	32
		2	248	248	0		2050	563	44		104	1.46	32
	Gf	1	241	241	0		2050	2049	12		665	1.50	120
		2	230	230	0		2050	2049	11		702	1.50	120
	xA	1	1658	1658	18	✓	2263	2170	76		18	0.38	120
		2	1590	1590	6	✓	2263	2186	73		24	0.56	120
	xB	1	1475	1475	0		Unrestricted	Unrestricted	0		Unrestricted	0.42	120
	xC	1	463	463	-1	✓	1900	1089	43		112	1.21	120
		2	452	452	-2	✓	1900	1108	41		121	1.23	120
	xD	1	953	953	0		Unrestricted	Unrestricted	0		Unrestricted	0.81	120
		2	209	209	0		Unrestricted	Unrestricted	0		Unrestricted	1.05	120
	xE	1	971	971	2	✓	Unrestricted	Unrestricted	0		Unrestricted	0.74	120
		2	474	474	2	✓	Unrestricted	Unrestricted	0		Unrestricted	0.56	120
	xF	1	837	837	14	✓	Unrestricted	Unrestricted	0		Unrestricted	0.69	120
	Cc1	1	408	408	-3	✓	2050	1059	39		134	1.22	60
	E1	1	303	303	0		2050	513	59		52	0.00	28
		2	538	537	0		2200	550	98	✓	-8	0.00	28
	Gf1	1	36	36	0		676	676	5		1591	1.10	120
	Cc2	2	871	871	0		2150	1034	84		7	0.84	58
		3	389	389	-1		2050	1025	38		137	0.97	58
		4	706	706	-1		2150	1075	66		37	0.84	58
		5	556	556	0		2050	1025	54		66	0.96	58
		6	511	511	0		2050	1025	50		81	1.27	58
	E2	3	241	241	0		2150	529	46		98	0.00	28
		4	230	230	0		2050	513	45		101	0.00	28
	TC5	2	1090	1090	15	✓	2263	1905	57		57	0.48	99
		3	1590	1590	6	✓	2263	1905	83		8	0.55	99
		4	0	0	0		1800	180	0		Unrestricted	0.00	11
	TC9	1	464	464	-1	✓	1925	1396	33		171	0.00	84
		2	339	339	0		1966	1425	24		278	0.00	84
		3	424	424	0		1947	1412	30		200	0.00	84
	TC35	1	569	569	2	✓	1900	1599	36		153	0.65	99
	TC36	1	227	227	-1		1800	1800	13		614	0.00	120
	TC37	1	40	40	0		1850	1634	2		3577	0.00	105
	TC38	1	40	40	0		203	203	20		358	0.23	120
	TC39	2	1090	1090	15	✓	2263	2263	48		87	0.56	120
		3	1590	1590	6	✓	2263	2263	70		28	0.57	120
	TC40	2	1130	1130	15	✓	Unrestricted	Unrestricted	0		Unrestricted	0.42	120
		3	1590	1590	6	✓	Unrestricted	Unrestricted	0		Unrestricted	0.52	120
	TC41	1	93	93	0		1850	123	75		19	0.00	7
		2	94	94	-1		1850	123	76		18	0.00	7
	TC42	1	0	0	0		0	0	0		-100	0.00	0
	TC43	1	0	0	0		1800	1800	0		Unrestricted	0.00	120
	47	1	915	915	-3	✓	1300	1300	70		28	0.55	120
	48	1	1490	1490	0		1965	1965	76		19	0.00	120

	49	1	464	464	-1	✓	1900	1900	24		269	0.00	120
		2	763	763	0		1900	1900	40		124	0.00	120
	50	1	1833	1833	-1		1900	1900	96	✓	-7	0.00	120
	51	1	891	891	-2	✓	1900	1900	47		92	0.00	120

Traffic Stream Results: Stops and delays

Time Segment	Arm	Traffic Stream	Mean Cruise Time per Veh (s)	Mean Delay per Veh (s)	Total delay (PCU-hr/hr)	Weighted cost of delay (£ per hr)	Mean stops per Veh (%)	Total stops (Stops per hr)	Weighted cost of stops (£ per hr)
	A	1	5.59	17.99	2.01	28.52	87.45	351.54	11.28
		2	5.77	11.31	0.49	6.91	66.98	103.82	3.33
		3	5.90	14.77	1.42	20.22	78.90	273.77	8.79
		4	6.03	24.57	3.48	49.43	98.55	502.59	16.13
	Ac	1	7.19	16.36	4.88	69.23	45.46	487.58	15.65
		2	9.50	0.30	0.02	0.25	0.00	0.00	0.00
		3	6.60	1.20	0.13	1.80	15.60	59.59	1.91
	Acf	1	5.22	1.05	0.37	5.31	0.00	0.00	0.00
		2	7.24	0.16	0.02	0.24	0.00	0.00	0.00
	Af	1	6.42	0.33	0.05	0.72	0.00	0.00	0.00
		2	6.36	0.18	0.02	0.24	0.00	0.00	0.00
		3	6.33	0.29	0.04	0.58	0.00	0.00	0.00
	B	1	7.10	17.57	1.93	27.45	72.63	287.62	9.23
		2	7.29	17.25	1.91	27.15	72.32	288.57	9.26
		3	7.48	21.08	3.09	43.82	79.06	416.65	13.37
		4	12.29	21.06	2.99	42.45	85.34	436.11	5.47
	Bc	1	9.93	5.27	0.54	7.68	38.40	141.69	4.55
		2	9.82	7.84	1.12	15.90	45.87	235.76	7.57
		3	9.71	11.25	2.27	32.18	51.62	374.21	12.01
	Bcf	1	4.16	1.48	0.61	8.62	0.00	0.00	0.00
		2	5.12	0.15	0.02	0.23	0.00	0.00	0.00
		3	5.74	0.23	0.03	0.47	0.00	0.00	0.00
		4	5.80	0.38	0.08	1.07	0.31	2.27	0.06
	Bf	1	27.34	0.79	0.17	2.48	0.00	0.00	0.00
		2	27.41	1.36	0.39	5.56	0.00	0.00	0.00
	C	1	14.54	27.79	3.68	52.28	97.68	465.93	5.84
		2	14.77	25.81	3.30	46.83	94.71	435.66	5.46
		3	14.92	43.38	6.66	94.62	123.05	680.46	8.53
	Cf	1	17.35	0.83	0.22	3.08	0.00	0.00	0.00
		2	17.50	0.36	0.06	0.78	0.00	0.00	0.00
	D	1	4.13	39.37	5.35	75.92	100.70	492.28	15.80
		2	4.13	113.45	17.49	248.36	147.33	817.66	26.25
		3	3.97	26.57	3.71	52.72	89.64	450.91	14.47
		4	4.16	37.84	6.24	88.66	109.47	650.25	20.87
	Dc	1	3.77	11.97	2.97	42.11	50.79	453.09	14.54
		2	3.63	12.77	3.01	42.76	55.02	467.13	14.99
		3	3.48	10.02	2.06	29.21	64.54	476.94	15.31
		4	3.34	15.65	3.83	54.37	64.56	568.78	18.26
	Dcf	1	4.95	0.76	0.20	2.86	0.00	0.00	0.00
		2	4.94	0.09	0.01	0.08	0.00	0.00	0.00
		3	4.98	1.30	0.32	4.57	11.27	100.55	3.23
		4	4.99	3.39	0.80	11.35	19.51	165.62	5.32
		5	5.02	0.71	0.15	2.07	5.82	43.05	1.38
		6	5.04	2.74	0.67	9.54	21.74	191.55	6.15
	Df	1	24.00	113.24	34.26	486.44	215.90	2253.67	28.26
		2	24.00	0.80	0.24	3.48	1.48	16.25	0.20
	Dxp	1	3.50	1.56	0.41	5.86	4.65	44.28	1.42
		2	3.65	0.28	0.02	0.23	1.78	3.72	0.12
		1	3.76	8.66	1.89	26.85	49.23	386.79	12.42

07:30-08:30	Ec	2	3.63	26.06	9.37	133.02	64.28	831.74	26.70
		3	3.51	46.83	17.55	249.17	89.90	1212.68	38.93
		4	3.38	11.36	1.87	26.58	71.26	422.57	13.56
	Ecf	1	3.45	0.80	0.21	3.05	1.99	19.29	0.62
		2	3.48	1.34	0.47	6.67	1.92	24.21	0.78
		3	3.52	6.25	2.25	31.91	32.32	418.23	13.42
		4	3.56	6.43	2.41	34.22	26.73	360.56	11.57
		5	3.64	4.05	0.71	10.05	29.44	185.16	5.94
	Ef	1	15.31	0.75	0.18	2.49	0.00	0.00	0.00
		2	15.31	0.31	0.04	0.58	0.00	0.00	0.00
	Exp	1	3.89	1.87	0.50	7.14	8.02	77.84	2.50
		2	4.03	1.04	0.14	1.94	7.67	36.35	1.17
	F	1	6.38	73.13	5.89	83.65	154.24	447.28	14.36
		2	6.43	74.40	6.01	85.39	155.63	452.89	14.54
		3	6.54	108.73	9.36	132.95	190.67	591.07	18.97
	Fc	1	19.10	16.51	6.93	98.45	46.28	699.68	11.66
		2	18.71	22.25	8.55	121.36	73.52	1016.79	17.28
		3	19.37	5.49	1.72	24.47	59.59	673.62	10.60
	Ff	1	33.09	0.42	0.07	0.96	0.00	0.00	0.00
		2	33.05	0.18	0.02	0.23	0.00	0.00	0.00
	G	1	16.06	38.80	2.79	39.64	107.57	278.61	4.75
		2	11.45	43.44	2.99	42.49	105.59	261.86	8.41
	Gf	1	2.92	0.12	0.01	0.12	0.44	1.07	0.03
		2	2.88	0.12	0.01	0.11	0.43	0.99	0.03
	xA	1	17.22	3.13	1.44	20.45	10.25	169.91	5.45
		2	17.25	2.92	1.29	18.29	12.20	193.96	6.23
	xB	1	5.79	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	8.67	5.96	0.77	10.88	57.40	265.76	8.53
		2	8.70	5.60	0.70	9.98	56.30	254.49	8.17
	xD	1	9.13	0.00	0.00	0.00	0.00	0.00	0.00
		2	9.21	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	13.04	0.00	0.00	0.00	0.00	0.00	0.00
		2	13.04	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	12.19	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	6.70	6.54	0.74	10.52	25.71	104.91	4.04
	E1	1	6.00	24.84	2.09	29.69	86.54	262.23	8.42
		2	6.00	82.73	12.36	175.57	135.42	727.85	23.36
	Gf1	1	3.59	1.90	0.02	0.27	37.15	13.37	0.43
	Cc2	2	9.87	22.00	5.32	75.58	96.54	840.83	13.82
		3	10.30	4.19	0.45	6.43	23.01	89.53	1.28
		4	9.41	19.99	3.92	55.65	90.58	639.48	11.54
		5	8.49	16.60	2.56	36.41	86.07	478.57	9.83
		6	7.97	21.19	3.01	42.70	105.57	539.44	12.02
	E2	3	4.00	21.96	1.47	20.87	82.98	199.99	6.42
		4	4.07	21.87	1.40	19.84	82.99	190.89	6.13
	TC5	2	2.76	2.17	0.66	9.33	9.02	98.33	1.23
		3	2.76	5.10	2.25	31.97	9.26	147.25	1.85
		4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	11.00	6.62	0.85	12.12	33.16	153.86	1.93
		2	11.05	5.88	0.55	7.86	31.16	105.62	1.32
		3	11.12	6.35	0.75	10.62	32.70	138.64	1.74
	TC35	1	2.90	2.54	0.40	5.69	16.80	95.54	1.20
	TC36	1	3.03	0.14	0.01	0.13	0.00	0.00	0.00
	TC37	1	3.19	0.90	0.01	0.14	11.69	4.68	0.16
	TC38	1	1.53	11.05	0.12	1.74	69.58	27.83	0.97
	TC39	2	2.54	0.74	0.22	3.17	0.00	0.00	0.00
		3	2.40	1.87	0.83	11.73	0.00	0.00	0.00

	TC40	2	4.23	0.00	0.00	0.00	0.00	0.00	0.00
		3	4.02	0.00	0.00	0.00	0.00	0.00	0.00
	TC41	1	3.93	95.08	2.46	34.88	125.73	116.93	4.07
		2	3.97	96.62	2.52	35.83	126.80	119.19	4.15
	TC42	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC43	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	47	1	16.04	3.26	0.83	11.78	0.00	0.00	0.00
	48	1	6.61	2.85	1.18	16.75	0.00	0.00	0.00
	49	1	3.15	0.31	0.04	0.56	0.00	0.00	0.00
		2	3.15	0.64	0.13	1.91	0.00	0.00	0.00
	50	1	5.78	19.55	9.95	141.35	0.00	0.00	0.00
	51	1	4.50	0.84	0.21	2.94	0.00	0.00	0.00

Traffic Stream Results: Queues and blocking

Time Segment	Arm	Traffic Stream	Initial queue (PCU)	Mean max queue (PCU)	Max queue storage (PCU)	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))	Estimated blocking
	A	1	0.00	7.56	12.96	58.35	0.00	0.00	
		2	0.00	2.40	13.37	17.93	0.00	0.00	
		3	0.00	5.36	13.67	39.20	0.00	0.00	
		4	0.00	10.93	13.97	78.19	0.00	0.00	
	Ac	1	0.00	9.66	16.66	57.97	0.00	4.00	
		2	0.00	0.02	16.06	0.11	0.00	44.00	
		3	0.00	4.78	15.30	31.24	0.00	18.00	
	Acf	1	0.00	0.37	12.10	3.09	0.00	38.00	
		2	0.00	0.02	12.25	0.14	0.00	72.00	
	Af	1	0.00	0.05	9.31	0.54	0.00	25.00	
		2	0.00	0.02	9.21	0.19	0.00	27.00	
		3	0.00	0.04	9.17	0.45	0.00	25.00	
	B	1	0.00	5.03	16.46	30.58	0.00	0.00	
		2	0.00	5.02	16.90	29.69	0.00	0.37	
		3	0.00	6.96	17.34	40.16	0.00	0.00	
		4	0.00	7.29	17.81	40.90	0.00	0.00	
	Bc	1	0.00	4.83	23.02	20.99	0.00	8.00	
		2	0.00	7.42	22.77	32.57	0.00	9.11	
		3	0.00	19.72	22.53	87.54	0.00	6.00	
	Bcf	1	0.00	0.61	10.90	5.57	0.00	20.00	
		2	0.00	0.02	10.98	0.14	0.00	60.00	
		3	0.00	0.03	10.84	0.31	0.00	36.00	
		4	0.00	2.05	10.83	18.91	0.00	36.09	
	Bf	1	0.00	0.17	39.62	0.44	0.00	0.00	
		2	0.00	0.39	39.73	0.99	0.00	0.00	
	C	1	0.00	7.81	21.07	37.06	0.00	0.00	
		2	0.00	7.29	21.41	34.04	0.00	1.00	
		3	0.00	11.66	21.63	53.92	0.00	0.00	
	Cf	1	0.00	0.22	25.15	0.86	0.00	0.00	
		2	0.00	0.06	25.37	0.22	0.00	0.00	
	D	1	0.00	8.27	9.57	86.46	0.00	0.00	
		2	0.00	20.57	9.57	215.10	0.00	0.00	
		3	0.00	7.55	9.20	82.10	0.00	0.00	
		4	0.00	11.07	9.64	114.84	0.00	0.00	
	Dc	1	0.00	7.58	8.74	86.68	0.00	2.07	
		2	0.00	7.81	8.41	92.94	0.00	1.24	
		3	0.00	6.60	8.07	81.78	0.00	14.51	
		4	0.00	8.15	7.74	105.31	0.00	17.17	
	Dcf	1	0.00	0.20	11.47	1.76	0.00	32.00	
		2	0.00	0.01	11.46	0.05	0.00	84.00	
		3	0.00	5.08	11.55	44.03	0.00	35.41	
		4	0.00	5.02	11.58	43.36	0.00	50.84	

07:30-08:30		5	0.00	2.58	11.63	22.22	0.00	36.09	
		6	0.00	9.65	11.68	82.62	0.00	53.86	
	Df	1	0.00	47.89	34.78	137.69	0.00	54.07	
		2	0.00	0.85	34.78	2.45	0.00	2.10	
	Dxp	1	0.00	1.63	8.11	20.05	0.00	20.00	
		2	0.00	0.14	8.46	1.68	0.00	58.00	
	Ec	1	0.00	6.81	8.71	78.18	0.00	3.00	
		2	0.00	14.53	8.42	172.47	0.00	0.00	
		3	0.00	22.77	8.13	279.88	0.00	0.00	
		4	0.00	7.06	7.85	90.05	0.00	34.00	
	Ecf	1	0.00	4.87	7.99	60.92	0.00	18.51	
		2	0.00	5.17	8.06	64.10	0.00	17.32	
		3	0.00	7.22	8.16	88.50	0.00	37.71	
		4	0.00	7.26	8.26	87.85	0.00	48.86	
		5	0.00	4.82	8.44	57.07	0.00	79.59	
	Ef	1	0.00	0.18	22.18	0.79	0.00	0.00	
		2	0.00	0.04	22.18	0.18	0.00	0.00	
	Exp	1	0.00	5.05	9.01	56.05	0.00	14.00	
		2	0.00	2.37	9.34	25.38	0.00	12.00	
	F	1	0.00	8.13	14.80	54.94	0.00	0.00	
		2	0.00	8.26	14.91	55.43	0.00	0.00	
		3	0.00	11.96	15.17	78.82	0.00	0.00	
	Fc	1	0.00	12.53	31.86	39.31	0.00	5.00	
		2	0.00	32.81	31.56	103.96	0.00	11.48	
		3	0.00	20.30	31.35	64.73	0.00	22.23	
	Ff	1	0.00	0.07	47.95	0.14	0.00	0.00	
		2	0.00	0.02	47.89	0.03	0.00	0.00	
	G	1	0.00	4.51	27.16	16.62	0.00	17.17	
		2	0.00	4.87	26.54	18.35	0.00	19.02	
	Gf	1	0.00	2.33	6.76	34.41	0.00	90.03	
		2	0.00	2.33	6.69	34.79	0.00	90.03	
	xA	1	0.00	8.27	39.94	20.70	0.00	22.92	
		2	0.00	35.75	40.00	89.36	0.00	20.07	
	xB	1	0.00	0.00	13.42	0.00	0.00	1.00	
	xC	1	0.00	7.15	20.10	35.57	0.00	67.24	
		2	0.00	7.11	20.17	35.23	0.00	68.00	
	xD	1	0.00	0.00	21.17	0.00	0.00	16.00	
		2	0.00	0.00	21.35	0.00	0.00	62.00	
	xE	1	0.00	0.00	30.24	0.00	0.00	12.00	
		2	0.00	0.00	30.23	0.00	0.00	13.00	
	xF	1	0.00	0.00	28.27	0.00	0.00	4.00	
	Cc1	1	0.00	2.65	16.78	15.79	0.00	12.00	
	E1	1	0.00	4.38	13.91	31.48	0.00	0.00	
		2	0.00	16.86	13.91	121.20	0.00	0.00	
	Gf1	1	0.00	0.31	8.32	3.77	0.00	86.00	
	Cc2	2	0.00	16.18	15.89	101.78	0.00	10.28	
		3	0.00	1.65	15.65	10.57	0.00	12.00	
		4	0.00	10.97	15.88	69.11	0.00	6.00	
		5	0.00	7.96	15.48	51.43	0.00	8.00	
		6	0.00	9.94	15.40	64.55	0.00	30.00	
	E2	3	0.00	3.34	9.27	36.01	0.00	0.47	
		4	0.00	3.19	9.45	33.71	0.00	0.00	
	TC5	2	0.00	3.28	4.01	81.85	0.00	11.00	
		3	0.00	4.97	4.00	124.07	0.00	8.00	
		4	0.00	0.00	4.25	0.00	0.00	12.00	
	TC9	1	0.00	5.13	15.95	32.18	0.00	0.00	
		2	0.00	3.52	16.02	21.98	0.00	0.00	
		3	0.00	4.66	16.12	28.94	0.00	0.00	

	TC35	1	0.00	2.99	4.20	71.10	0.00	10.00	
	TC36	1	0.00	0.01	4.39	0.21	0.00	0.00	
	TC37	1	0.00	0.16	7.71	2.02	0.00	105.00	
	TC38	1	0.00	2.44	3.71	65.80	0.00	35.00	
	TC39	2	0.00	0.22	6.13	3.64	0.00	30.00	
		3	0.00	0.83	5.79	14.27	0.00	27.00	
	TC40	2	0.00	0.00	10.22	0.00	0.00	11.00	
		3	0.00	0.00	9.71	0.00	0.00	16.00	
	TC41	1	0.00	3.98	9.50	41.89	0.00	0.00	
		2	0.00	4.06	9.58	42.41	0.00	0.00	
	TC42	1	0.00	0.00	4.06	0.00	0.00	0.00	
	TC43	1	0.00	0.00	9.04	0.00	0.00	120.00	
	47	1	0.00	0.83	23.24	3.57	0.00	16.00	
	48	1	0.00	1.18	9.59	12.31	0.00	0.00	
	49	1	0.00	0.04	4.56	0.86	0.00	0.00	
		2	0.00	0.13	4.56	2.95	0.00	0.00	
	50	1	0.00	9.95	8.37	118.88	0.00	0.00	
	51	1	0.00	0.21	6.52	3.17	0.00	0.00	

Traffic Stream Results: Advanced

Time Segment	Arm	Traffic Stream	Degree of saturation penalty (£ per hr)	Ped gap accepting penalty (£ per hr)	Warmed up	Mean Max Queue EoTS (PCU)	Max End of Green Queue EoTS (PCU)	Max End of Red Queue EoTS (PCU)	PCU Factor	Cost of traffic penalties (£ per hr)	Performance Index (£ per hr)
	A	1	0.00	0.00	✓	7.56	0.50	6.46	1.00	0.00	39.80
		2	0.00	0.00	✓	2.40	0.04	1.86	1.00	0.00	10.25
		3	0.00	0.00	✓	5.36	0.31	4.40	1.00	0.00	29.01
		4	0.00	0.00	✓	10.95	1.42	9.08	1.00	0.00	65.56
	Ac	1	0.00	0.00	✓	9.71	2.63	7.74	1.00	0.00	84.88
		2	0.00	0.00	✓	0.02	0.02	0.02	1.00	0.00	0.25
		3	0.00	0.00	✓	4.78	0.07	0.65	1.00	0.00	3.71
	Acf	1	0.00	0.00	✓	0.37			1.00	0.00	5.31
		2	0.00	0.00	✓	0.02			1.00	0.00	0.24
	Af	1	0.00	0.00	✓	0.05			1.00	0.00	0.72
		2	0.00	0.00	✓	0.02			1.00	0.00	0.24
		3	0.00	0.00	✓	0.04			1.00	0.00	0.58
	B	1	0.00	0.00	✓	5.04	0.29	4.58	1.00	0.00	36.68
		2	0.00	0.00	✓	5.02	0.27	4.59	1.00	0.00	36.41
		3	0.00	0.00	✓	6.97	0.74	6.59	1.00	0.00	57.20
		4	0.00	0.00	✓	7.29	0.72	6.65	1.00	0.00	47.92
	Bc	1	0.00	0.00	✓	4.83	0.12	2.27	1.00	0.00	12.22
		2	0.00	0.00	✓	7.42	0.33	2.40	1.00	0.00	23.47
		3	0.00	0.00	✓	19.73	1.18	3.61	1.00	0.00	44.19
	Bcf	1	0.00	0.00	✓	0.61			1.00	0.00	8.62
		2	0.00	0.00	✓	0.02			1.00	0.00	0.23
		3	0.00	0.00	✓	0.03			1.00	0.00	0.47
		4	0.00	0.00	✓	2.05			1.00	0.00	1.13
	Bf	1	0.00	0.00	✓	0.17			1.00	0.00	2.48
		2	0.00	0.00	✓	0.39			1.00	0.00	5.56
	C	1	0.00	0.00	✓	7.82	1.17	7.25	1.00	0.00	58.13
		2	0.00	0.00	✓	7.30	0.90	6.74	1.00	0.00	52.29
		3	0.00	0.00	✓	11.88	3.73	10.85	1.00	0.00	103.16
	Cf	1	0.00	0.00	✓	0.22			1.00	0.00	3.08
		2	0.00	0.00	✓	0.06			1.00	0.00	0.78
	D	1	0.00	0.00	✓	8.30	1.51	8.30	1.00	0.00	91.73
		2	0.00	0.00	✓	25.45	17.08	25.45	1.00	0.00	274.60
		3	0.00	0.00	✓	7.56	1.08	7.23	1.00	0.00	67.19
		4	0.00	0.00	✓	11.20	3.08	10.48	1.00	0.00	109.53
		1	0.00	0.00	✓	7.59	1.12	7.55	1.00	0.00	56.65

07:30-08:30	Dc	2	0.00	0.00	✓	7.82	0.90	7.77	1.00	0.00	57.76
		3	0.00	0.00	✓	6.61	1.01	4.05	1.00	0.00	44.52
		4	0.00	0.00	✓	8.18	1.96	8.10	1.00	0.00	72.63
	Dcf	1	0.00	0.00	✓	0.20			1.00	0.00	2.86
		2	0.00	0.00	✓	0.01			1.00	0.00	0.08
		3	0.00	0.00	✓	5.08			1.00	0.00	7.80
		4	0.00	0.00	✓	5.02			1.00	0.00	16.66
		5	0.00	0.00	✓	2.58			1.00	0.00	3.45
		6	0.00	0.00	✓	9.65			1.00	0.00	15.69
	Df	1	0.00	0.00	✓	71.65			1.00	0.00	514.70
		2	0.00	0.00	✓	0.85			1.00	0.00	3.68
	Dxp	1	0.00	0.00	✓	1.63	0.33	1.56	1.00	0.00	7.28
		2	0.00	0.00	✓	0.14	0.01	0.14	1.00	0.00	0.35
	Ec	1	0.00	0.00	✓	6.81	0.47	6.61	1.00	0.00	39.27
		2	0.00	0.00	✓	15.33	8.43	15.26	1.00	0.00	159.71
		3	0.00	0.00	✓	28.41	21.45	28.27	1.00	0.00	288.10
		4	0.00	0.00	✓	7.06	0.17	6.97	1.00	0.00	40.14
	Ecf	1	0.00	0.00	✓	4.87			1.00	0.00	3.67
		2	0.00	0.00	✓	5.17			1.00	0.00	7.44
		3	0.00	0.00	✓	7.23			1.00	0.00	45.33
		4	0.00	0.00	✓	7.27			1.00	0.00	45.79
		5	0.00	0.00	✓	4.82			1.00	0.00	15.99
	Ef	1	0.00	0.00	✓	0.18			1.00	0.00	2.49
		2	0.00	0.00	✓	0.04			1.00	0.00	0.58
	Exp	1	0.00	0.00	✓	5.05	0.36	1.55	1.00	0.00	9.64
		2	0.00	0.00	✓	2.37	0.05	1.21	1.00	0.00	3.10
	F	1	0.00	0.00	✓	8.67	4.40	8.59	1.00	0.00	98.00
		2	0.00	0.00	✓	8.84	4.56	8.76	1.00	0.00	99.93
		3	0.00	0.00	✓	14.51	9.72	14.23	1.00	0.00	151.92
	Fc	1	0.00	0.00	✓	12.84	6.04	12.48	1.00	0.00	110.11
		2	0.00	0.00	✓	33.16	6.61	12.02	1.00	0.00	138.65
		3	0.00	0.00	✓	20.30	0.81	5.26	1.00	0.00	35.07
	Ff	1	0.00	0.00	✓	0.07			1.00	0.00	0.96
		2	0.00	0.00	✓	0.02			1.00	0.00	0.23
	G	1	0.00	0.00	✓	4.51	0.20	4.51	1.00	0.00	44.39
		2	0.00	0.00	✓	4.87	0.17	4.31	1.00	0.00	50.90
	Gf	1	0.00	0.00	✓	2.33			1.00	0.00	0.15
		2	0.00	0.00	✓	2.33			1.00	0.00	0.14
	xA	1	0.00	0.00	✓	8.27			1.00	0.00	25.90
		2	0.00	0.00	✓	35.75			1.00	0.00	24.52
	xB	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	xC	1	0.00	0.00	✓	7.15			1.00	0.00	19.41
		2	0.00	0.00	✓	7.11			1.00	0.00	18.15
	xD	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
		2	0.00	0.00	✓	0.00			1.00	0.00	0.00
	xE	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
		2	0.00	0.00	✓	0.00			1.00	0.00	0.00
	xF	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	Cc1	1	0.00	0.00	✓	2.65	0.12	1.75	1.00	0.00	14.56
	E1	1	0.00	0.00	✓	4.38	0.43	4.30	1.00	0.00	38.11
		2	0.00	0.00		19.34	11.01	18.66	1.00	0.00	198.93
	Gf1	1	0.00	0.00	✓	0.31			1.00	0.00	0.70
	Cc2	2	0.00	0.00	✓	16.22	2.21	9.60	1.00	0.00	89.40
		3	0.00	0.00	✓	1.65	0.12	1.49	1.00	0.00	7.71
		4	0.00	0.00	✓	10.98	0.63	9.15	1.00	0.00	67.19
		5	0.00	0.00	✓	7.96	0.32	7.90	1.00	0.00	46.24
		6	0.00	0.00	✓	9.94	0.25	8.75	1.00	0.00	54.73

	E2	3	0.00	0.00	✓	3.34	0.19	3.27	1.00	0.00	27.29
		4	0.00	0.00	✓	3.19	0.18	3.12	1.00	0.00	25.97
	TC5	2	0.00	0.00	✓	3.28	0.38	3.27	1.00	0.00	10.56
		3	0.00	0.00	✓	4.99	2.09	4.87	1.00	0.00	33.82
		4	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC9	1	0.00	0.00	✓	5.13	0.08	4.71	1.00	0.00	14.05
		2	0.00	0.00	✓	3.52	0.04	3.33	1.00	0.00	9.19
		3	0.00	0.00	✓	4.66	0.06	4.19	1.00	0.00	12.36
	TC35	1	0.00	0.00	✓	2.99	0.10	2.98	1.00	0.00	6.89
	TC36	1	0.00	0.00	✓	0.01			1.00	0.00	0.13
	TC37	1	0.00	0.00	✓	0.16	0.00	0.16	1.00	0.00	0.31
	TC38	1	0.00	0.00	✓	2.44			1.00	0.00	2.71
	TC39	2	0.00	0.00	✓	0.22			1.00	0.00	3.17
		3	0.00	0.00	✓	0.83			1.00	0.00	11.73
	TC40	2	0.00	0.00	✓	0.00			1.00	0.00	0.00
		3	0.00	0.00	✓	0.00			1.00	0.00	0.00
	TC41	1	0.00	0.00	✓	4.03	1.09	4.01	1.00	0.00	38.95
		2	0.00	0.00	✓	4.12	1.15	4.10	1.00	0.00	39.98
	TC42	1	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC43	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	47	1	0.00	0.00	✓	0.83			1.00	0.00	11.78
	48	1	0.00	0.00	✓	1.18			1.00	0.00	16.75
	49	1	0.00	0.00	✓	0.04			1.00	0.00	0.56
		2	0.00	0.00	✓	0.13			1.00	0.00	1.91
	50	1	0.00	0.00	✓	11.17			1.00	0.00	141.35
	51	1	0.00	0.00	✓	0.21			1.00	0.00	2.94

Pedestrian Crossing Results

Pedestrian Crossings: Pedestrian summary

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

Pedestrian Crossings: Flows and signals

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

Pedestrian Crossings: Stops and delays

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

Pedestrian Crossings: Queues and blocking

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

Pedestrian Crossings: Advanced

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

Network Results

Run Summary

Analysis set used	Run start time	Run finish time	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Ite wit wor over PR
1	16/07/2021 00:12:58	16/07/2021 00:13:10	07:30	120	4491.39	267.17	104.32	Df/1	11	7	TC42/1	Df/1	TC4

Network Results: Vehicle summary

Time Segment	Degree of saturation (%)	Practical reserve capacity (%)	Calculated flow entering (PCU/hr)	Actual green (s (per cycle))	Mean Delay per Veh (s)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Performance Index (£ per hr)
07:30-08:30	104	-100	80533	10075	11.94	3793.82	697.57	4491.39

Network Results: Pedestrian summary

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

Network Results: Flows and signals

Time Segment	Calculated flow entering (PCU/hr)	Calculated flow out (PCU/hr)	Flow discrepancy (PCU/hr)	Adjusted flow warning	Degree of saturation (%)	DOS Threshold exceeded	Practical reserve capacity (%)	Actual green (s (per cycle))
07:30-08:30	80533	80487	221	✓	104	✓	-100	11281

Network Results: Stops and delays

Time Segment	Mean Cruise Time per Veh (s)	Mean Delay per Veh (s)	Total delay (PCU-hr/hr)	Weighted cost of delay (£ per hr)	Mean stops per Veh (%)	Total stops (Stops per hr)	Weighted cost of stops (£ per hr)
07:30-08:30	8.67	11.94	267.17	3793.82	33.80	27117.90	697.57

Network Results: Queues and blocking

Time Segment	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))
07:30-08:30	279.88	0.00	2262.88

Network Results: Advanced

Time Segment	Degree of saturation penalty (£ per hr)	Ped gap accepting penalty (£ per hr)	Warmed up	PCU Factor	Cost of traffic penalties (£ per hr)	Controller stream penalties (£ per hr)	Performance Index (£ per hr)
07:30-08:30	0.00	0.00		1.00	0.00	0.00	4491.39

Point to Point Journey Time

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	0.0	134.4	133.4	146.6	147.9	220.6	260.8	0.0
	B28	210.4	0.0	93.0	123.9	122.9	205.9	238.6	0.0
	C28	158.9	168.7	0.0	216.6	207.2	356.1	281.6	0.0
	D28	158.6	200.0	253.9	0.0	272.2	148.4	157.8	0.0
	E28	165.1	136.5	225.1	59.1	0.0	114.4	123.2	0.0
	F28	149.2	190.6	202.7	218.8	221.3	0.0	24.1	0.0
	G28	62.3	102.1	113.8	138.7	134.0	219.9	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Calculated Total Flow (PCU/hr)	Avg journey time (s)
32	C28	E28	82	207.56	82	207.56

36	C28	E28	82	206.85	82	206.85
41	E28	A28	466	165.74	466	165.74
49	C28	D28	346	216.56	346	216.56
50	E28	D28	51	59.09	51	59.09
67	G28	B28	67	102.13	67	102.13
68	E28	G28	168	122.39	168	122.39
69	D28	B28	105	200.05	105	200.05
70	D28	B28	105	199.97	105	199.97
71	D28	B28	0	0.00	0	0.00
72	D28	B28	0	0.00	0	0.00
73	H28	B28	0	0.00	0	0.00
74	H28	B28	0	0.00	0	0.00
75	F28	B28	8	190.68	8	190.68
76	F28	B28	8	190.61	8	190.61
89	G28	G28	0	0.00	0	0.00
90	H28	H28	0	0.00	0	0.00
91	C28	F28	59	356.05	59	356.05
92	E28	F28	50	114.41	50	114.41
94	G28	G28	0	0.00	0	0.00
95	G28	F28	100	219.89	100	219.89
96	G28	G28	0	0.00	0	0.00
100	E28	B28	230	136.33	230	136.33
102	A28	C28	348	133.88	348	133.88
103	H28	H28	0	0.00	0	0.00
104	C28	G28	370	364.06	370	364.06
106	F28	F28	0	0.00	0	0.00
107	A28	B28	24	134.38	24	134.38
109	C28	G28	500	194.57	500	194.57
110	E28	G28	22	129.55	22	129.55
112	F28	G28	40	24.08	40	24.08
113	F28	A28	72	149.21	72	149.21
114	C28	H28	0	0.00	0	0.00
115	B28	C28	9	91.30	9	91.30
116	B28	G28	0	0.00	0	0.00
117	F28	C28	5	197.85	5	197.85
118	G28	C28	0	0.00	0	0.00
119	G28	E28	103	135.37	103	135.37
120	C28	C28	0	0.00	0	0.00
121	E28	C28	36	226.02	36	226.02
122	E28	E28	0	0.00	0	0.00
123	D28	C28	131	252.31	131	252.31
124	D28	E28	24	273.83	24	273.83
125	H28	A28	0	0.00	0	0.00
126	H28	E28	0	0.00	0	0.00
127	F28	C28	8	205.95	8	205.95
128	F28	E28	5	224.40	5	224.40
137	H28	G28	0	0.00	0	0.00
138	H28	G28	0	0.00	0	0.00
142	C28	H28	0	0.00	0	0.00
143	E28	H28	0	0.00	0	0.00
146	B28	E28	386	122.98	386	122.98
147	A28	G28	511	279.17	511	279.17
148	A28	H28	0	0.00	0	0.00
149	A28	A28	0	0.00	0	0.00
150	E28	B28	241	136.73	241	136.73
154	E28	A28	8	125.91	8	125.91
166	B28	C28	82	93.18	82	93.18
168	G28	A28	330	62.35	330	62.35

171	G28	H28	0	0.00	0	0.00
185	A28	B28	24	134.46	24	134.46
186	A28	C28	25	127.39	25	127.39
195	D28	G28	142	156.14	142	156.14
196	D28	F28	148	148.37	148	148.37
198	D28	A28	3	158.62	3	158.62
234	C28	G28	150	368.32	150	368.32
235	E28	G28	0	0.00	0	0.00
236	E28	H28	0	0.00	0	0.00
255	C28	A28	3	203.26	3	203.26
291	C28	A28	558	158.68	558	158.68
294	C28	B28	18	169.04	18	169.04
295	C28	B28	18	168.40	18	168.40
296	D28	G28	78	160.77	78	160.77
297	D28	H28	0	0.00	0	0.00
303	B28	G28	335	248.43	335	248.43
304	B28	H28	0	0.00	0	0.00
305	B28	A28	0	0.00	0	0.00
306	B28	A28	35	210.39	35	210.39
307	B28	B28	0	0.00	0	0.00
308	B28	B28	0	0.00	0	0.00
341	A28	A28	0	0.00	0	0.00
353	A28	G28	291	228.55	291	228.55
354	A28	F28	165	220.61	165	220.61
355	A28	G28	0	0.00	0	0.00
356	A28	H28	0	0.00	0	0.00
426	B28	G28	134	213.94	134	213.94
427	B28	F28	49	205.93	49	205.93
428	B28	H28	0	0.00	0	0.00
444	B28	D28	266	123.93	266	123.93
445	B28	E28	194	122.60	194	122.60
454	G28	B28	67	102.06	67	102.06
455	F28	H28	0	0.00	0	0.00
458	H28	F28	0	0.00	0	0.00
461	F28	H28	0	0.00	0	0.00
477	G28	C28	0	0.00	0	0.00
478	C28	C28	0	0.00	0	0.00
479	C28	C28	0	0.00	0	0.00
480	C28	C28	0	0.00	0	0.00
481	E28	C28	4	186.72	4	186.72
482	E28	C28	0	0.00	0	0.00
483	E28	C28	0	0.00	0	0.00
484	D28	C28	0	0.00	0	0.00
485	D28	C28	0	0.00	0	0.00
486	H28	C28	0	0.00	0	0.00
488	G28	D28	118	138.69	118	138.69
489	G28	E28	103	132.63	103	132.63
490	A28	D28	2	146.58	2	146.58
491	A28	E28	69	145.93	69	145.93
492	E28	E28	0	0.00	0	0.00
493	D28	D28	0	0.00	0	0.00
494	D28	E28	24	270.50	24	270.50
495	H28	D28	0	0.00	0	0.00
496	H28	E28	0	0.00	0	0.00
497	F28	D28	68	218.84	68	218.84
498	F28	E28	5	218.19	5	218.19
501	A28	E28	374	148.24	374	148.24
506	H28	C28	0	0.00	0	0.00

507	G28	C28	339	113.80	339	113.80
508	C28	C28	0	0.00	0	0.00
509	E28	C28	36	228.45	36	228.45
510	D28	C28	131	255.57	131	255.57
511	H28	C28	0	0.00	0	0.00
512	F28	C28	8	202.76	8	202.76

Final Prediction Table

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES
Arm	**Traffic Stream**	**Name**	**Traffic node**	**Controller stream**	**Phase**	**Calculated flow entering (PCU/hr)**	**Calculated sat flow (PCU/hr)**	**Actual green (s (per cycle))**	**Wasted time total (s (per cycle))**	**Degree of saturation (%)**	**Practical reserve capacity (%)**	**JourneyTime (s)**	**Mean Delay per Veh (s)**	**Mean stops per Veh (%)**	**Mean max queue (PCU)**
A	**1**	(untitled)	6	771-2	E	402	2050	36	0.00	62	45	23.58	17.99	87.45	7.56
	2	(untitled)	6	771-2	E	155	2050	36	0.00	24	277	17.07	11.31	66.98	2.40
	3	(untitled)	6	771-2	E	347	2050	36	0.00	53	68	20.67	14.77	78.90	5.36
	4	(untitled)	6	771-2	E	510	2050	36	0.00	79	15	30.60	24.57	98.55	10.93
Ac	**1**	(untitled)	6	771-2	D	1073	2263	64	4.00	86	4	23.55	16.36	45.46	9.66
	2	(untitled)	6	771-2	D	214	2263	64	44.00	17	423	9.80	0.30	0.00	0.02
	3	(untitled)	6	771-2	D	382	2263	64	18.00	31	193	7.79	1.20	15.60	4.78
Acf	**1**	(untitled)	6			1287	2263	120	38.00	57	58	6.27	1.05	0.00	0.37
	2	(untitled)	6			382	2263	120	72.00	17	433	7.40	0.16	0.00	0.02
Af	**1**	(untitled)	6			557	2050	120	25.00	27	231	6.75	0.33	0.00	0.05
	2	(untitled)	6			347	2050	120	27.00	17	432	6.53	0.18	0.00	0.02
	3	(untitled)	6			510	2050	120	25.00	25	262	6.62	0.29	0.00	0.04
B	**1**	(untitled)	1	769-1	B	396	2050	42	0.00	53	71	24.67	17.57	72.63	5.03
	2	(untitled)	1	769-1	B	399	2150	42	0.37	51	76	24.54	17.25	72.32	5.02
	3	(untitled)	1	769-1	B	527	2100	42	0.00	68	31	28.56	21.08	79.06	6.96
	4	(untitled)	1	769-1	B	511	2050	42	0.00	68	32	33.35	21.06	85.34	7.29
Bc	**1**	(untitled)	1	769-1	A	369	2050	54	8.00	39	133	15.20	5.27	38.40	4.83
	2	(untitled)	1	769-1	A	514	2050	54	9.11	55	64	17.66	7.84	45.87	7.42
	3	(untitled)	1	769-1	A	725	2050	54	6.00	76	19	20.97	11.25	51.62	19.72
Bcf	**1**	(untitled)	1			1475	2263	120	20.00	65	38	5.64	1.48	0.00	0.61
	2	(untitled)	1			369	2263	120	60.00	16	452	5.28	0.15	0.00	0.02
	3	(untitled)	1			514	2263	120	36.00	23	296	5.97	0.23	0.00	0.03
	4	(untitled)	1			725	2263	120	36.09	32	181	6.18	0.38	0.31	2.05
Bf	**1**	(untitled)	1			795	1800	120	0.00	44	104	28.13	0.79	0.00	0.17
	2	(untitled)	1			1038	1800	120	0.00	58	56	28.77	1.36	0.00	0.39
C	**1**	(untitled)	2	769-2	G	477	2100	34	0.00	76	19	42.32	27.79	97.68	7.81
	2	(untitled)	2	769-2	G	460	2200	34	1.00	72	26	40.58	25.81	94.71	7.29
	3	(untitled)	2	769-2	G	553	2050	34	0.00	90	0	58.30	43.38	123.05	11.66
Cf	**1**	(untitled)	2			937	1965	120	0.00	48	89	18.19	0.83	0.00	0.22
	2	(untitled)	2			553	1965	120	0.00	28	220	17.86	0.36	0.00	0.06
D	**1**	(untitled)	3	770-1	B	489	2050	34	0.00	79	13	43.50	39.37	100.70	8.27
	2	(untitled)	3	770-1	B	555 <	1850	34	0.00	100	-10	117.57	113.45	147.33	20.57 +
	3	(untitled)	3	770-1	B	503	2250	34	0.00	75	21	30.54	26.57	89.64	7.55
	4	(untitled)	3	770-1	B	594 <	2250	34	0.00	88	2	42.00	37.84	109.47	11.07 +
Dc	**1**	(untitled)	3	770-1	A	892	2100	66	2.07	75	20	15.74	11.97	50.79	7.58
	2	(untitled)	3	770-1	A	849	2100	66	1.24	72	26	16.40	12.77	55.02	7.81
	3	(untitled)	3	770-1	A	739	2100	66	14.51	73	23	13.50	10.02	64.54	6.60
	4	(untitled)	3	770-1	A	881 <	2100	66	17.17	83	9	18.98	15.65	64.56	8.15 +
Dcf	**1**	(untitled)	3			953	2050	120	32.00	46	94	5.71	0.76	0.00	0.20
	2	(untitled)	3			209	2100	120	84.00	10	804	5.04	0.09	0.00	0.01
	3	(untitled)	3			892	2100	120	35.41	44	102	6.28	1.30	11.27	5.08
	4	(untitled)	3			849	2100	120	50.84	57	58	8.38	3.39	19.51	5.02

	5	(untitled)	3			739	2100	120	36.09	36	147	5.73	0.71	5.82	2.58
	6	(untitled)	3			881	2100	120	53.86	47	93	7.78	2.74	21.74	9.65
Df	1	(untitled)	3-2			1089 <	1900	120	54.07	104	-14	137.24	113.24	215.90	47.89 +
	2	(untitled)	3-2			1097	2250	120	2.10	50	81	24.80	0.80	1.48	0.85
Dxp	1	(untitled)	3-2	770-2	D	953	2050	101	20.00	55	65	5.06	1.56	4.65	1.63
	2	(untitled)	3-2	770-2	D	209	2050	101	58.00	12	650	3.93	0.28	1.78	0.14
Ec	1	(untitled)	4	770-3	F	786	2150	70	3.00	61	48	12.42	8.66	49.23	6.81
	2	(untitled)	4	770-3	F	1294 <	2263	70	0.00	95	-6	29.69	26.06	64.28	14.53 +
	3	(untitled)	4	770-3	F	1349 <	2263	70	0.00	99	-9	50.34	46.83	89.90	22.77 +
	4	(untitled)	4	770-3	F	593	2250	70	34.00	44	105	14.75	11.36	71.26	7.06
Ecf	1	(untitled)	4			971	2100	120	18.51	46	94	4.24	0.80	1.99	4.87
	2	(untitled)	4			1259	2100	120	17.32	60	50	4.82	1.34	1.92	5.17
	3	(untitled)	4			1294	2263	120	37.71	74	21	9.77	6.25	32.32	7.22
	4	(untitled)	4			1349	2300	120	48.86	79	14	9.99	6.43	26.73	7.26
	5	(untitled)	4			629	2300	120	79.59	36	153	7.69	4.05	29.44	4.82
Ef	1	(untitled)	4			841	1900	120	0.00	44	103	16.06	0.75	0.00	0.18
	2	(untitled)	4			471	1900	120	0.00	25	263	15.62	0.31	0.00	0.04
Exp	1	(untitled)	4-2	770-4	L	971	2050	100	14.00	56	60	5.75	1.87	8.02	5.05
	2	(untitled)	4-2	770-4	L	474	2050	100	12.00	27	228	5.07	1.04	7.67	2.37
F	1	(untitled)	5	771-1	B	290	2100	16	0.00	92	-2	79.51	73.13	154.24	8.13
	2	(untitled)	5	771-1	B	291	2100	16	0.00	92	-3	80.82	74.40	155.63	8.26
	3	(untitled)	5	771-1	B	310	2100	16	0.00	98	-9	115.27	108.73	190.67	11.96
Fc	1	(untitled)	5	771-1	A	1512	2263	84	5.00	93	-3	35.61	16.51	46.28	12.53
	2	(untitled)	5	771-1	A	1383 <	2263	84	11.48	93	-4	40.95	22.25	73.52	32.81 +
	3	(untitled)	5	771-1	A	1130	2263	84	22.23	70	29	24.86	5.49	59.59	20.30
Ff	1	(untitled)	5			581	1900	120	0.00	31	194	33.50	0.42	0.00	0.07
	2	(untitled)	5			310	1900	120	0.00	16	452	33.23	0.18	0.00	0.02
G	1	(untitled)	2	769-2	F	259	2050	32	17.17	46	95	54.86	38.80	107.57	4.51
	2	(untitled)	2	769-2	F	248	2050	32	19.02	44	104	54.89	43.44	105.59	4.87
Gf	1	(untitled)	4			241	2050	120	90.03	12	665	3.04	0.12	0.44	2.33
	2	(untitled)	4			230	2050	120	90.03	11	702	3.00	0.12	0.43	2.33
xA	1	(untitled)	10			1658	2263	120	22.92	76	18	20.35	3.13	10.25	8.27
	2	(untitled)	10			1590	2263	120	20.07	73	24	20.17	2.92	12.20	35.75
xB	1	(untitled)				1475	Unrestricted	120	1.00	0	Unrestricted	5.79	0.00	0.00	0.00
xC	1	(untitled)				463	1900	120	67.24	43	112	14.63	5.96	57.40	7.15
	2	(untitled)				452	1900	120	68.00	41	121	14.30	5.60	56.30	7.11
xD	1	(untitled)				953	Unrestricted	120	16.00	0	Unrestricted	9.13	0.00	0.00	0.00
	2	(untitled)				209	Unrestricted	120	62.00	0	Unrestricted	9.21	0.00	0.00	0.00
xE	1	(untitled)				971	Unrestricted	120	12.00	0	Unrestricted	13.04	0.00	0.00	0.00
	2	(untitled)				474	Unrestricted	120	13.00	0	Unrestricted	13.04	0.00	0.00	0.00
xF	1	(untitled)				837	Unrestricted	120	4.00	0	Unrestricted	12.19	0.00	0.00	0.00
Cc1	1	(untitled)	2	769-2	E	408	2050	60	12.00	39	134	13.23	6.54	25.71	2.65
E1	1	(untitled)	4	770-3	G	303	2050	28	0.00	59	52	30.84	24.84	86.54	4.38
	2	(untitled)	4	770-3	G	538 <	2200	28	0.00	98	-8	88.73	82.73	135.42	16.86 +
Gf1	1	(untitled)	4			36	676	120	86.00	5	1591	5.49	1.90	37.15	0.31
Cc2	2	(untitled)	2	769-2	D	871 <	2150	58	10.28	84	7	31.87	22.00	96.54	16.18 +
	3	(untitled)	2	769-2	D	389	2050	58	12.00	38	137	14.49	4.19	23.01	1.65
	4	(untitled)	2	769-2	D	706	2150	58	6.00	66	37	29.39	19.99	90.58	10.97
	5	(untitled)	2	769-2	D	556	2050	58	8.00	54	66	25.09	16.60	86.07	7.96
	6	(untitled)	2	769-2	D	511	2050	58	30.00	50	81	29.16	21.19	105.57	9.94
E2	3	(untitled)	4	770-3	H	241	2150	28	0.47	46	98	25.95	21.96	82.98	3.34
	4	(untitled)	4	770-3	H	230	2050	28	0.00	45	101	25.94	21.87	82.99	3.19
TC5	2	(untitled)	TC771-6	TC777-1	A	1090	2263	99	11.00	57	57	4.93	2.17	9.02	3.28
	3	(untitled)	TC771-6	TC777-1	A	1590 <	2263	99	8.00	83	8	7.86	5.10	9.26	4.97 +
	4	(untitled)	TC771-6	TC777-1	C	0	1800	11	12.00	0	Unrestricted	0.00	0.00	0.00	0.00

TC9	**1**	(untitled)	TC771-6	TC777-1	B	464	1925	84	0.00	33	171	17.63	6.62	33.16	5.13
	2	(untitled)	TC771-6	TC777-1	B	339	1966	84	0.00	24	278	16.93	5.88	31.16	3.52
	3	(untitled)	TC771-6	TC777-1	B	424	1947	84	0.00	30	200	17.47	6.35	32.70	4.66
TC35	**1**	(untitled)	TC771-6	TC777-1	A	569	1900	99	10.00	36	153	5.44	2.54	16.80	2.99
TC36	**1**	(untitled)	TC771-6			227	1800	120	0.00	13	614	3.17	0.14	0.00	0.01
TC37	**1**	(untitled)	TC771-6	TC777-2	J	40	1850	105	105.00	2	3577	4.09	0.90	11.69	0.16
TC38	**1**	(untitled)	TC771-6			40	203	120	35.00	20	358	12.59	11.05	69.58	2.44
TC39	**2**	(untitled)	TC771-6			1090	2263	120	30.00	48	87	3.28	0.74	0.00	0.22
	3	(untitled)	TC771-6			1590	2263	120	27.00	70	28	4.27	1.87	0.00	0.83
TC40	**2**	(untitled)	TC771-6			1130	Unrestricted	120	11.00	0	Unrestricted	4.23	0.00	0.00	0.00
	3	(untitled)	TC771-6			1590	Unrestricted	120	16.00	0	Unrestricted	4.02	0.00	0.00	0.00
TC41	**1**	(untitled)	TC771-6	TC777-1	D	93	1850	7	0.00	75	19	99.02	95.08	125.73	3.98
	2	(untitled)	TC771-6	TC777-1	D	94	1850	7	0.00	76	18	100.59	96.62	126.80	4.06
TC42	**1**	(untitled)	TC771-6	TC777-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00
TC43	**1**	(untitled)				0	1800	120	120.00	0	Unrestricted	0.00	0.00	0.00	0.00
47	**1**	(untitled)	2			915	1300	120	16.00	70	28	19.30	3.26	0.00	0.83
48	**1**	(untitled)	2			1490	1965	120	0.00	76	19	9.46	2.85	0.00	1.18
49	**1**	(untitled)	TC771-6			464	1900	120	0.00	24	269	3.46	0.31	0.00	0.04
	2	(untitled)	TC771-6			763	1900	120	0.00	40	124	3.78	0.64	0.00	0.13
50	**1**	(untitled)	1			1833 <	1900	120	0.00	96	-7	25.33	19.55	0.00	9.95 +
51	**1**	(untitled)	4-2			891	1900	120	0.00	47	92	5.33	0.84	0.00	0.21

Pedestrian Crossing Results

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

Network Results

	Distance travelled (PCU-km/hr)	Time spent (PCU-hr/hr)	Mean journey speed (kph)	Total delay (PCU-hr/hr)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Excess queue penalty (£ per hr)	Performance Index (£ per hr)
Normal traffic	7486.43	461.21	16.23	267.17	3793.82	697.57	0.00	4491.39
Bus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	7486.43	461.21	16.23	267.17	3793.82	697.57	0.00	4491.39

< = 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