TRANSYT 15

Version: 15.5.2.7994

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

Filename: M62 JN 28 CRF Scheme_Mar 20- Scenario 3-AM.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: 15/07/2021 21:34:31

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File summary

File description

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

Model and Results

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

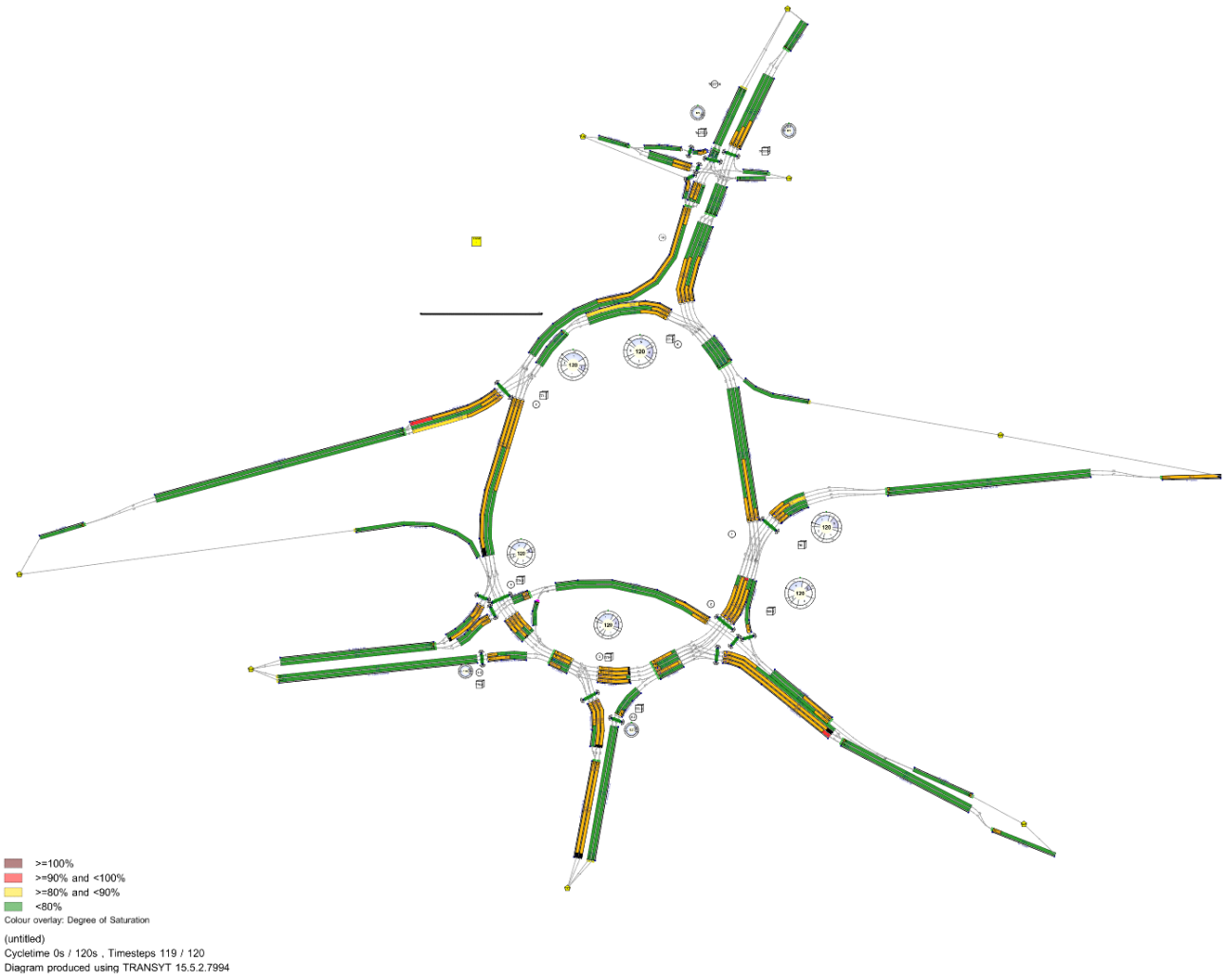
Units

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

Sorting

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

Network Diagrams



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

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	15/07/2021 21:32:29	15/07/2021 21:32:41	07:30	120	7908.17	504.41	138.81	Df/1	12	8	TC42/1	Df/1	TC4

Analysis Set Details

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

Demand Set Details

Name	Description	Composite	Demand sets	Start time (HH:mm)	Locked
2019 Base + Committed + Cumulative AM				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	✓	132.85	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Dews	✓	131.47	✓	Directly entered	2050		2263	✓		Normal	
	3	(untitled)	Brad/M62W	✓	130.10	✓	Directly entered	2050		2050	✓		Normal	
Bcf	1	(untitled)		✓	62.67	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	63.14	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.35	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.25	✓	Directly entered	2263		2050			Normal	
Bf	1	(untitled)		✓	227.81	✓	Sum of lanes	1800		1600			Normal	
	2	(untitled)		✓	228.44	✓	Sum of lanes	1800		1700			Normal	
C	1	(untitled)	Dews/Brad	✓	121.13	✓	Directly entered	2100		2050	✓		Normal	
	2	(untitled)	M62W/Brad/Leeds	✓	122.36	✓	Directly entered	2200		2100	✓		Normal	
	3	(untitled)	Leeds/M62E	✓	124.35	✓	Directly entered	2050		1900	✓		Normal	
Cf	1	(untitled)		✓	144.60	✓	Sum of lanes	1965		1965			Normal	
	2	(untitled)		✓	145.86	✓	Sum of lanes	1965		1965			Normal	
	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	
Dc	**1**	(untitled)	Brad	✓	50.67	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	46.78	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	44.83	✓	Directly entered	2100		2100	✓		Normal	
Dcf	**1**	(untitled)		✓	65.95	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	65.92	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	68.61	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	66.73	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	66.90	✓	Directly entered	2100		2100			Normal	
Df	**1**	(untitled)			200.00	✓	Sum of lanes	1900					Normal	
	2	(untitled)			200.00	✓	Directly entered	2250					Normal	
Dxp	**1**	(untitled)		✓	46.62	✓	Directly entered	2050			✓		Normal	
	2	(untitled)		✓	48.64	✓	Directly entered	2050			✓		Normal	
Ec	**1**	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal	
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)	M62E	✓	45.93	✓	Directly entered	2250		2250	✓		Normal	
Ecf	**1**	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal	
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	46.93	✓	Directly entered	2263		2263			Normal	
	4	(untitled)		✓	50.37	✓	Directly entered	2300		2300			Normal	
Ef	**1**	(untitled)		✓	127.54	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal	
Exp	**1**	(untitled)		✓	51.83	✓	Directly entered	2050		2100	✓		Normal	
	2	(untitled)		✓	53.71	✓	Directly entered	2050		2100	✓		Normal	
F	**1**	(untitled)	Leeds	✓	85.13	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.25	✓	Directly entered	2100		2100	✓		Normal	
Fc	**1**	(untitled)	Leeds	✓	183.21	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Leeds	✓	181.45	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	M62E/Dews	✓	180.28	✓	Directly entered	2263		2263	✓		Normal	

Ff	**1**	(untitled)		✓	275.73	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	275.39	✓	Sum of lanes	1900		1900			Normal	
G	**1**	(untitled)		✓	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)		✓	229.97	✓	Directly entered	2263		2263			Normal	
xB	**1**	(untitled)		✓	77.15								Normal	
xC	**1**	(untitled)		✓	115.60	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	115.98	✓	Sum of lanes	1900		1900			Normal	
xD	**1**	(untitled)		✓	121.71								Normal	
	2	(untitled)		✓	122.74								Normal	
xE	**1**	(untitled)		✓	173.89								Normal	
	2	(untitled)		✓	173.83								Normal	
xF	**1**	(untitled)		✓	162.53								Normal	
Cc1	**1**	(untitled)	Wake	✓	95.84	✓	Directly entered	2050		2050	✓		Normal	
E1	**1**	(untitled)	M62W/Leeds		80.00	✓	Directly entered	2050		1900	✓		Normal	
	2	(untitled)	Leeds/M62E		80.00	✓	Directly entered	2200		2100	✓		Normal	
Gf1	**1**	(untitled)		✓	49.26							✓	Normal	
Cc2	**2**	(untitled)	Dews	✓	91.58	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	89.25	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	88.96	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	88.65	✓	Directly entered	2050		2050	✓		Normal	
E2	**3**	(untitled)	Wake	✓	53.28	✓	Directly entered	2150		2050	✓		Normal	
	4	(untitled)	Wake	✓	54.33	✓	Directly entered	2050		2050	✓		Normal	
TC5	**2**	(untitled)		✓	23.03	✓	Sum of lanes	2263		2263	✓		Normal	
	3	(untitled)		✓	23.02	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)		✓	24.43	✓	Sum of lanes	1800		2263	✓		Normal	
TC9	**1**	(untitled)		✓	91.71	✓	Directly entered	1925		1925	✓		Normal	
	2	(untitled)		✓	92.11	✓	Sum of lanes	1966		1966	✓		Normal	
	3	(untitled)		✓	92.69	✓	Sum of lanes	1947		1947	✓		Normal	
TC35	**1**	(untitled)		✓	24.16	✓	Directly entered	1900		2263	✓		Normal	
TC36	**1**	(untitled)		✓	25.22	✓	Sum of lanes	1800					Normal	
TC37	**1**	(untitled)		✓	44.32	✓	Directly entered	1850		1850	✓		Normal	
TC38	**1**	(untitled)		✓	21.32	✓	Directly entered	1850		1850		✓	Normal	

TC39	2	(untitled)		✓	35.24	✓	Directly entered	2263		2263			Normal	
	3	(untitled)		✓	33.28	✓	Directly entered	2263		2263			Normal	
TC40	2	(untitled)		✓	58.74								Normal	
	3	(untitled)		✓	55.82								Normal	
TC41	1	(untitled)		✓	54.63	✓	Directly entered	1850		1850	✓		Normal	
	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
	1	1	(untitled)											

D	2	2	(untitled)												
	3	3	(untitled)												
Dc	1	1	(untitled)												
	2	2	(untitled)												
	3	3	(untitled)												
	4	4	(untitled)												
Dcf	1	1	(untitled)												
	2	2	(untitled)												
	3	3	(untitled)												
	4	4	(untitled)												
	5	5	(untitled)												
Df	1	1	(untitled)												1900
	2	2	(untitled)												
Dxp	1	1	(untitled)												
	2	1	(untitled)												
Ec	1	1	(untitled)												
	2	1	(untitled)												
	3	1	(untitled)												
	4	1	(untitled)												
Ecf	1	1	(untitled)												
	2	2	(untitled)												
	3	3	(untitled)												
	4	4	(untitled)												
Ef	1	1	(untitled)												
	2	2	(untitled)												1900
Exp	1	1	(untitled)												
	2	2	(untitled)												
F	1	1	(untitled)												
	2	2	(untitled)												
	3	3	(untitled)												
Fc	1	1	(untitled)												
	2	2	(untitled)												
	3	3	(untitled)												
Ff	1	1	(untitled)												1900
	2	2	(untitled)												1900
G	1	1	(untitled)												
	2	2	(untitled)												
Gf	1	1	(untitled)												
	2	2	(untitled)												
xA	1	1	(untitled)												
	2	2	(untitled)												
xB	1	1	(untitled)												
xC	1	1	(untitled)												1900
	2	2	(untitled)												1900
xD	1	1	(untitled)												
	2	2	(untitled)												
xE	1	1	(untitled)												
	2	2	(untitled)												
xF	1	1	(untitled)												
Cc1	1	1	(untitled)												
E1	1	1	(untitled)												
	2	2	(untitled)												
Gf1	1	1	(untitled)												
Cc2	2	2	(untitled)												
	3	3	(untitled)												
	4	4	(untitled)												
	5	5	(untitled)												

E2	3	3	(untitled)										
	4	4	(untitled)										
TC5	2	1	(untitled)		✓	N/A	Clearly Good	0	3.50	✓	0	99999.00		2263
	3	1	(untitled)											
	4	1	(untitled)											1800
TC9	1	1	(untitled)											
	2	1	(untitled)		✓	N/A	Average	0	3.70	✓	0	99999.00		1966
	3	1	(untitled)		✓	N/A	Average	0	3.50	✓	0	99999.00		1947
TC35	1	1	(untitled)											
TC36	1	1	(untitled)											1800
TC37	1	1	(untitled)											
TC38	1	1	(untitled)											
TC39	2	1	(untitled)											
	3	1	(untitled)											
TC40	2	1	(untitled)											
	3	1	(untitled)											
TC41	1	1	(untitled)											
	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							
	1	CTM	100	100	100		0.00							

C	**2**	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Cf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
D	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Dc	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Dcf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
Df	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Dxp	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Ec	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Ecf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Ef	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Exp	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
F	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Fc	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Ff	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00	✓	0.00	0.00	✓	2	0.00	0.00
G	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
Gf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xA	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xB	**1**	NetworkDefault	100	100	100		0.00							
xC	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xD	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xE	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xF	**1**	NetworkDefault	100	100	100		0.00							
Cc1	**1**	CTM	100	100	100		0.00							
E1	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
Gf1	**1**	NetworkDefault	100	100	100		0.00							

Cc2	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
E2	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
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	213	213
	3	423	423
	4	374	374
Ac	1	1073	1073
	2	213	213
	3	381	381
Acf	1	1286	1286
	2	381	381
Af	1	615	615
	2	423	423
	3	374	374

B	**1**	395	395
	2	368	368
	3	566	566
	4	503	503
Bc	**1**	426	426
	2	725	725
	3	453	453
Bcf	**1**	1475	1475
	2	426	426
	3	725	725
	4	453	453
Bf	**1**	763	763
	2	1069	1069
C	**1**	551	551
	2	572	572
	3	367	367
Cf	**1**	551	551
	2	939	939
D	**1**	509	509
	2	856	856
	3	820	820
Dc	**1**	944	944
	2	796	796
	3	750	750
	4	870	870
Dcf	**1**	891	891
	2	1214	1214
	3	796	796
	4	750	750
	5	870	870
Df	**1**	1365	1365
	2	820	820
Dxp	**1**	891	891
	2	270	270
Ec	**1**	800	800
	2	1539	1539
	3	1132	1132
	4	589	589
Ecf	**1**	1107	1107
	2	1142	1142
	3	1539	1539
	4	1757	1757
Ef	**1**	841	841
	2	471	471
Exp	**1**	1107	1107
	2	342	342
F	**1**	368	368
	2	212	212
	3	309	309
Fc	**1**	1757	1757
	2	1176	1176
	3	1117	1117
Ff	**1**	580	580
	2	309	309
G	**1**	339	339
	2	168	168
Gf	**1**	336	336
	2	135	135

xA	1	1892	1892
	2	1380	1380
xB	1	1475	1475
xC	1	550	550
	2	363	363
xD	1	891	891
	2	270	270
xE	1	1107	1107
	2	342	342
xF	1	851	851
Cc1	1	405	405
E1	1	313	313
	2	528	528
Gf1	1	36	36
Cc2	2	809	809
	3	898	898
	4	821	821
	5	503	503
E2	3	336	336
	4	135	135
TC5	2	1321	1321
	3	1380	1380
	4	0	0
TC9	1	522	522
	2	403	403
	3	301	301
TC35	1	571	571
TC36	1	226	226
TC37	1	40	40
TC38	1	40	40
TC39	2	1321	1321
	3	1380	1380
TC40	2	1361	1361
	3	1380	1380
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	522	522
	2	704	704
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	
Dc	1	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
Dxp	1	770-2	D	
	2	770-2	D	
Ec	1	770-3	F	
	2	770-3	F	
	3	770-3	F	
	4	770-3	F	
Exp	1	770-4	L	
	2	770-4	L	
F	1	771-1	B	
	2	771-1	B	
	3	771-1	B	
Fc	1	771-1	A	
	2	771-1	A	
	3	771-1	A	
G	1	769-2	F	
	2	769-2	F	
Cc1	1	769-2	E	
E1	1	770-3	G	
	2	770-3	G	
Cc2	2	769-2	D	
	3	769-2	D	
	4	769-2	D	
	5	769-2	D	
E2	3	770-3	H	
	4	770-3	H	
TC5	2	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	1	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	1	TC777-1	A	
TC37	1	TC777-2	J	
TC41	1	TC777-1	D	
	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	11.96	40.00	✓	Offside	51.76
	2	1	Bcf/3	Bc/2	11.83	40.00	✓	Offside	48.45
	3	1	Bcf/4	Bc/3	11.71	40.00	✓	Offside	45.13
Bcf	1	1	A/1	Bcf/1	4.70	48.00	✓	Nearside	68.65
	2	1	A/2	Bcf/2	6.69	34.00	✓	Nearside	71.96
	3	1	A/3	Bcf/3	6.60	34.00	✓	Nearside	75.27
	4	1	A/4	Bcf/4	6.59	34.00	✓	Nearside	78.59
Bf	1	1	50/1	Bf/1	27.34	30.00	✓	Straight	Straight Movement
	2	1	50/1	Bf/2	27.41	30.00	✓	Straight	Straight Movement
C	1	1	Cf/1	C/1	14.54	30.00	✓	Offside	59.30
	2	1	Cf/2	C/2	14.68	30.00	✓	Offside	55.98
	3	1	Cf/2	C/3	14.92	30.00	✓	Offside	53.27
Cf	1	1	48/1	Cf/1	17.35	30.00	✓	Straight	Straight Movement
	2	1	48/1	Cf/2	17.50	30.00	✓	Straight	Straight Movement

D	1	1	Df/1	D/1	4.13	48.00	✓	Straight	Straight Movement
	2	1	Df/1	D/2	4.13	48.00	✓	Straight	Straight Movement
	3	1	Df/2	D/3	3.97	48.00	✓	Straight	Straight Movement
Dc	1	1	Dcf/2	Dc/1	3.80	48.00	✓	Offside	56.07
	2	1	Dcf/3	Dc/2	3.65	48.00	✓	Offside	52.76
	3	1	Dcf/4	Dc/3	3.51	48.00	✓	Offside	49.44
	4	1	Dcf/5	Dc/4	3.36	48.00	✓	Offside	46.13
Dcf	1	1	Cc2/2	Dcf/1	4.95	48.00	✓	Straight	Straight Movement
	2	1	Cc2/4	Dcf/2	4.94	48.00	✓	Straight	Straight Movement
	3	1	Cc2/3	Dcf/3	5.15	48.00	✓	Straight	Straight Movement
	4	1	C/2	Dcf/4	5.00	48.00	✓	Nearside	58.86
	5	1	Cc2/5	Dcf/5	5.02	48.00	✓	Straight	Straight Movement
Dxp	1	1	Dcf/1	Dxp/1	3.50	48.00	✓	Nearside	80.62
	2	1	Dcf/2	Dxp/2	3.65	48.00	✓	Nearside	83.93
Ec	1	1	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42
	2	1	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	1	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	1	Ecf/4	Ec/4	3.44	48.00	✓	Offside	67.06
Ecf	1	1	Dc/1	Ecf/1	3.45	48.00	✓	Offside	76.11
	2	1	Dc/2	Ecf/2	3.48	48.00	✓	Offside	72.80
	3	1	Dc/3	Ecf/3	3.52	48.00	✓	Offside	69.49
	4	1	Dc/4	Ecf/4	3.78	48.00	✓	Offside	66.17
Exp	1	1	Ecf/1	Exp/1	3.89	48.00	✓	Nearside	52.96
	2	1	Ecf/2	Exp/2	4.03	48.00	✓	Nearside	56.27
F	1	1	Ff/1	F/1	6.38	48.00	✓	Straight	Straight Movement
	2	1	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement
	3	1	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	1	1	Ec/2	Fc/1	18.84	35.00	✓	Straight	Straight Movement
	2	1	Ec/3	Fc/2	18.66	35.00	✓	Straight	Straight Movement
	3	1	Ec/4	Fc/3	18.54	35.00	✓	Straight	Straight Movement
Ff	1	1	51/1	Ff/1	33.09	30.00	✓	Straight	Straight Movement
	2	1	51/1	Ff/2	33.05	30.00	✓	Straight	Straight Movement
G	1	1	Gf/1	G/1	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	F/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
xB	1	1	Bcf/1	xB/1	5.79	48.00	✓	Nearside	59.55
xC	1	1	G/1	xC/1	8.67	48.00	✓	Straight	Straight Movement
	2	1	G/2	xC/2	8.70	48.00	✓	Straight	Straight Movement
xD	1	1	Dxp/1	xD/1	9.13	48.00	✓	Nearside	30.26
	2	1	Dxp/2	xD/2	9.21	48.00	✓	Nearside	33.58

xE	**1**	**1**	Exp/1	xE/1	13.04	48.00	✓	Straight	Straight Movement
	2	**1**	Exp/2	xE/2	13.04	48.00	✓	Straight	Straight Movement
xF	**1**	**1**	Ec/1	xF/1	12.19	48.00	✓	Straight	Straight Movement
Cc1	**1**	**1**	B/1	Cc1/1	8.63	40.00	✓	Straight	Straight Movement
E1	**1**	**1**	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	**1**	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96
Gf1	**1**	**1**	Ecf/4	Gf1/1	3.69	48.00	✓	Offside	25.08
Cc2	**2**	**1**	B/1	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	3	**1**	Bc/3	Cc2/3	5.95	54.00	✓	Straight	Straight Movement
	4	**1**	Bc/3	Cc2/4	5.93	54.00	✓	Straight	Straight Movement
	5	**1**	Bc/3	Cc2/5	5.91	54.00	✓	Offside	97.08
E2	**3**	**1**	Ef/2	E2/3	4.00	48.00	✓	Nearside	43.25
	4	**1**	Ef/2	E2/4	4.07	48.00	✓	Nearside	43.25
TC5	**2**	**1**	xA/1	TC5/2	2.76	30.00	✓	Straight	Straight Movement
	3	**1**	xA/2	TC5/3	2.76	30.00	✓	Straight	Straight Movement
	4	**1**	xA/2	TC5/4	2.93	30.00	✓	Straight	Straight Movement
TC9	**1**	**1**	49/1	TC9/1	11.00	30.00	✓	Straight	Straight Movement
	2	**1**	49/2	TC9/2	11.05	30.00	✓	Straight	Straight Movement
	3	**1**	49/2	TC9/3	11.12	30.00	✓	Straight	Straight Movement
TC35	**1**	**1**	xA/1	TC35/1	2.90	30.00	✓	Straight	Straight Movement
TC37	**1**	**1**	TC36/1	TC37/1	3.19	50.00	✓	Nearside	46.04
TC38	**1**	**1**	TC37/1	TC38/1	1.53	50.00	✓	Straight	Straight Movement
TC39	**2**	**1**	TC5/2	TC39/2	2.54	50.00	✓	Straight	Straight Movement
	3	**1**	TC5/3	TC39/3	2.40	50.00	✓	Straight	Straight Movement
TC40	**2**	**1**	TC38/1	TC40/2	4.23	50.00	✓	Nearside	11.92
	3	**1**	TC39/3	TC40/3	4.02	50.00	✓	Offside	77.43
TC41	**1**	**1**	TC36/1	TC41/1	3.93	50.00	✓	Straight	Straight Movement
	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
	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

Dcf	3	2	C/2	Dcf/3	5.15	48.00	✓	Nearside	58.86
	4	2	Cc2/3	Dcf/4	8.01	30.00	✓	Straight	Straight Movement
	5	2	C/3	Dcf/5	5.02	48.00	✓	Nearside	62.17
Ecf	1	2	D/1	Ecf/1	3.45	48.00	✓	Nearside	43.36
	2	2	D/1	Ecf/2	3.48	48.00	✓	Nearside	43.36
	3	2	D/2	Ecf/3	3.52	48.00	✓	Nearside	46.68
	4	2	D/3	Ecf/4	3.78	48.00	✓	Nearside	49.99
Fc	1	2	E1/1	Fc/1	20.61	32.00	✓	Nearside	58.94
	2	2	E1/1	Fc/2	20.41	32.00	✓	Nearside	60.85
	3	2	E1/2	Fc/3	20.28	32.00	✓	Nearside	64.16
G	1	2	Gf1/1	G/1	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/2	xA/2	17.25	48.00	✓	Straight	Straight Movement
xC	1	2	Cc1/1	xC/1	8.67	48.00	✓	Nearside	56.51
	2	2	Cc1/1	xC/2	8.70	48.00	✓	Nearside	57.28
xF	1	2	E1/1	xF/1	12.19	48.00	✓	Nearside	40.67
Cc1	1	2	Bc/1	Cc1/1	6.39	54.00	✓	Straight	Straight Movement
Cc2	2	2	Bc/2	Cc2/2	6.11	54.00	✓	Straight	Straight Movement
	3	2	B/3	Cc2/3	8.03	40.00	✓	Straight	Straight Movement
	4	2	B/2	Cc2/4	8.01	40.00	✓	Straight	Straight Movement
	5	2	B/4	Cc2/5	7.98	40.00	✓	Straight	Straight Movement
TC39	2	2	TC42/1	TC39/2	2.54	50.00	✓	Offside	9.44
	3	2	TC42/1	TC39/3	2.40	50.00	✓	Offside	9.44
TC40	2	2	TC39/2	TC40/2	4.23	50.00	✓	Offside	80.74
TC43	1	2	TC5/4	TC43/1	3.74	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
Dcf	3	3	Cc2/4	Dcf/3	8.23	30.00	✓	Straight	Straight Movement
Ecf	4	3	D/2	Ecf/4	6.04	30.00	✓	Nearside	46.68
xA	2	3	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
Cc2	2	3	B/2	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	4	3	Bc/2	Cc2/4	5.93	54.00	✓	Straight	Straight Movement
	2	4	Bc/1	Cc2/2	6.11	54.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

Traffic Stream	Description	Controlling type	Controlling traffic stream	Percentage opposing (%)	Slope coefficient	Upstream signals visible	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
	23	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	
	24		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	25		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
	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	Disabled	
	41		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	
	42		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	43		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
	44		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	

45		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
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	
68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	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	
96		A28	C28	50/1, Bf/1, B/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Disabled	
97		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	
98		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
99	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	
100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Fixed	
101		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	
104	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	
106		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	
108		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
109	I3	C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
111		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
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	
117		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
121		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	
122		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
123		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
124		E28	C28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	
126		D28	C28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
127		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
128		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
129		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
131		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	
132		H28	C28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
133		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
134		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
135		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
136		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	
138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	
139		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
140		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
141		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
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	
144		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
145		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
149	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	
150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	
151		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	
152		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
153		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
154		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	

	155		E28	C28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
	156		C28	G28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	157		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	
	158		B28	D28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	159		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	160		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	161		B28	F28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	162		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	163		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	
	164		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	
	165		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	
	166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	
	167		B28	E28	48/1, Cf/1, C/1, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	168		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal	
	169		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
	170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	
1	171		G28	H28	49/1, TC9/1, TC43/1	Normal	
	172		F28	D28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	173		F28	E28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	174		F28	F28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	175		G28	C28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	
	176		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	177		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	178		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	179		F28	E28	TC36/1, TC41/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	180		F28	D28	TC36/1, TC41/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Disabled	
	181		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	
	185		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	
	186		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	
	187		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	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	
	197		D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	198		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	
	199		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
	200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	
	201		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	204		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	
	205		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	
	206		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	207		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	210		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	
	211		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	212		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	213		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	214		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	215		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	218		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Fixed	
	219		A28	F28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	220		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	222		A28	D28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	223		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	224		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	225		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	226		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	227		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	230		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	
	231		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	

	232		A28	H28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	233		B28	H28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	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	Fixed	
	236		E28	H28	Ef/1, E1/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	238		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Fixed	
	239		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	
	240		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
	241		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
	242		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	243		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	244		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	245		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	246		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	247		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	248		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
	249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	250		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	251		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	254		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	
	255	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	
	256		C28	C28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	257		C28	H28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	258		C28	A28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	
	259		C28	C28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	260		C28	A28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	
	261		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	262		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	263		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	264		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	265		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	266		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	
	267		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Fixed	
	268		F28	C28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
	269		F28	E28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	
	270		F28	D28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	
	271		F28	E28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	272		F28	H28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	273		F28	H28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	274		F28	C28	TC36/1, TC41/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Disabled	
	275		F28	C28	TC36/1, TC41/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	276		F28	E28	TC36/1, TC41/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	

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, 31	1, 2	65, 91

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	96	5	29	1	7
	2	✓	2	B	12	31	19	1	7
	3		1	A	36	65	29	1	7
	4		2	B	72	91	19	1	7

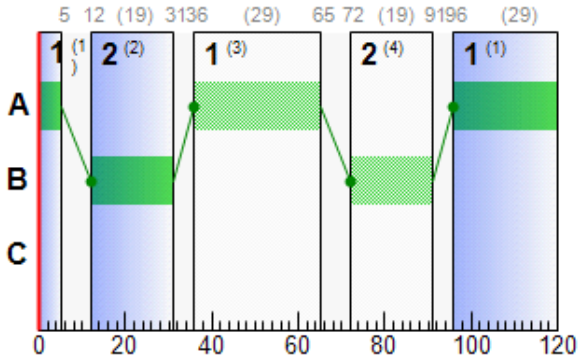
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
769-1	A	1		36	65	29
		2	✓	96	5	29
	B	1	✓	12	31	19
		2		72	91	19

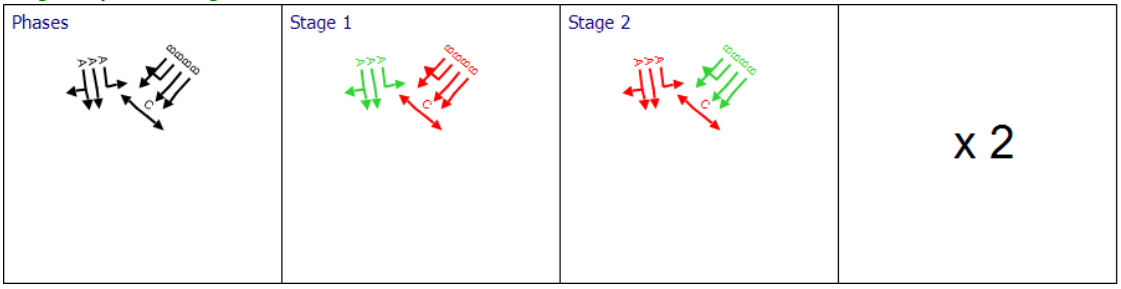
Traffic Stream Green Times

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	31	19	72	91	19
B	2	1	769-1	B	12	31	19	72	91	19
B	3	1	769-1	B	12	31	19	72	91	19
B	4	1	769-1	B	12	31	19	72	91	19
Bc	1	1	769-1	A	36	65	29	96	5	29
Bc	2	1	769-1	A	36	65	29	96	5	29
Bc	3	1	769-1	A	36	65	29	96	5	29

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)	10	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, 23	4, 5	64, 83
	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			5	
	E			5					5
	F	6	8			8			
	G	4					5		
	H			5					
	I				9				
	J	12							
	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	97	4	27	1	3
	2	✓	5	F,G,J,K	15	23	8	1	8
	3		4	D,E,H,I	37	64	27	1	3
	4		5	F,G,J,K	75	83	8	1	8

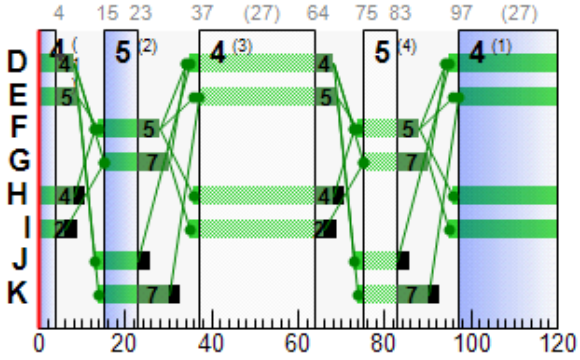
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
769-2	D	1		35	68	33
		2	✓	95	8	33
	E	1		37	69	32
		2	✓	97	9	32
	F	1	✓	14	28	14
		2		74	88	14
	G	1	✓	15	30	15
		2		75	90	15
	H	1		36	68	32
		2	✓	96	8	32
	I	1		35	66	31
		2	✓	95	6	31
	J	1	✓	13	23	10
		2		73	83	10
	K	1	✓	14	30	16
		2		74	90	16

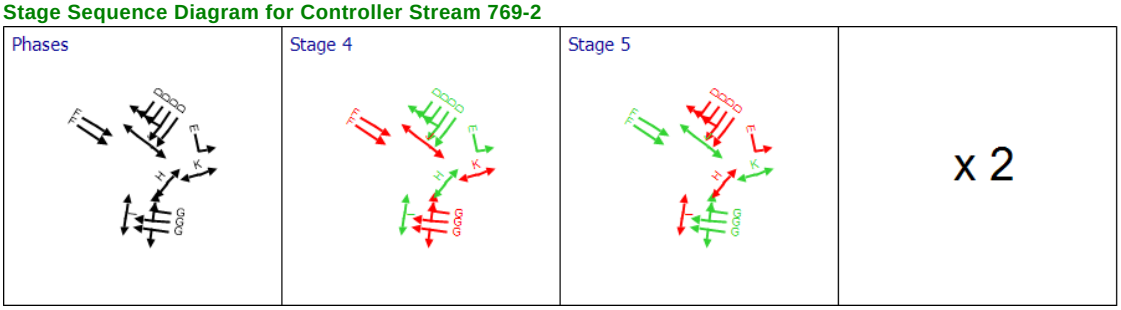
Traffic Stream Green Times

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	30	15	75	90	15
C	2	2	769-2	G	15	30	15	75	90	15
C	3	2	769-2	G	15	30	15	75	90	15
G	1	2	769-2	F	14	28	14	74	88	14
G	2	2	769-2	F	14	28	14	74	88	14
Cc1	1	2	769-2	E	37	69	32	97	9	32
Cc2	2	2	769-2	D	35	68	33	95	8	33
Cc2	3	2	769-2	D	35	68	33	95	8	33
Cc2	4	2	769-2	D	35	68	33	95	8	33
Cc2	5	2	769-2	D	35	68	33	95	8	33

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)	5	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	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
770-1	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		7	

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	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)
770-1	1	✓	1	A,C	100	9	29	1	5
	2	✓	2	B	16	35	19	1	7
	3		1	A,C	40	69	29	1	5
	4		2	B	76	95	19	1	7

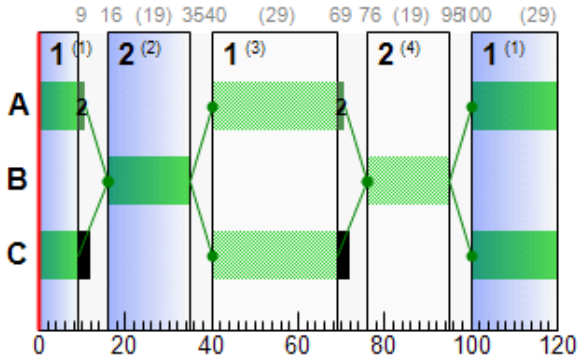
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
770-1	A	1		40	71	31
		2	✓	100	11	31
	B	1	✓	16	35	19
		2		76	95	19
	C	1		40	69	29
		2	✓	100	9	29

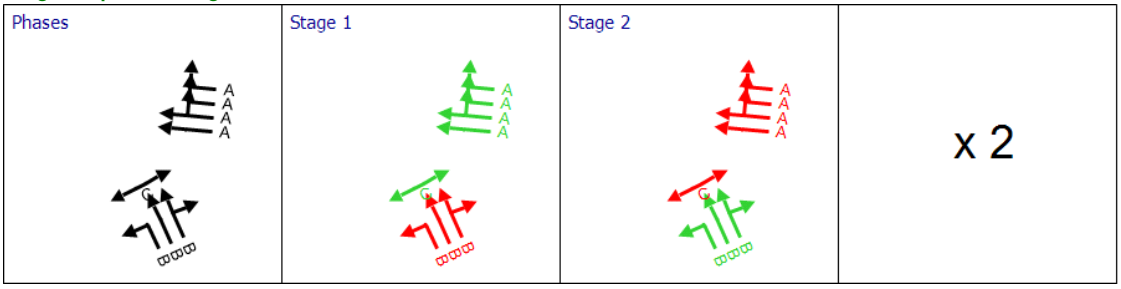
Traffic Stream Green Times

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	16	35	19	76	95	19
D	2	3	770-1	B	16	35	19	76	95	19
D	3	3	770-1	B	16	35	19	76	95	19
Dc	1	3	770-1	A	40	71	31	100	11	31
Dc	2	3	770-1	A	40	71	31	100	11	31
Dc	3	3	770-1	A	40	71	31	100	11	31
Dc	4	3	770-1	A	40	71	31	100	11	31

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

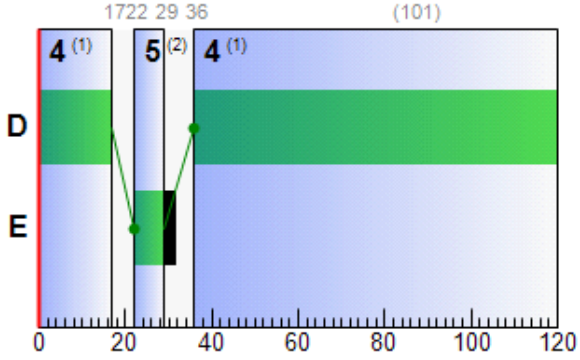
Resultant Phase Green Periods

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

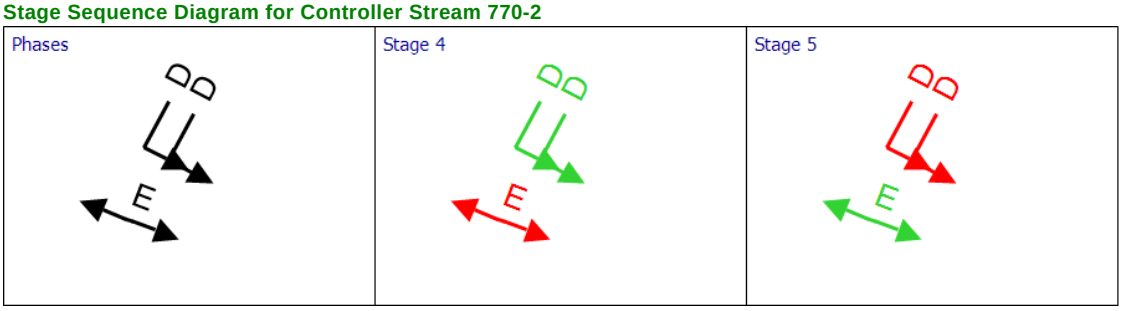
Traffic Stream Green Times

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			

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
	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

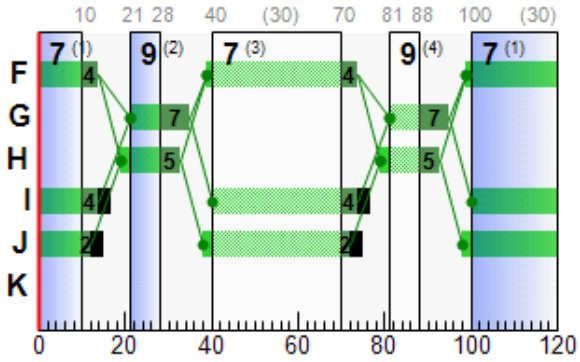
Resultant Phase Green Periods

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

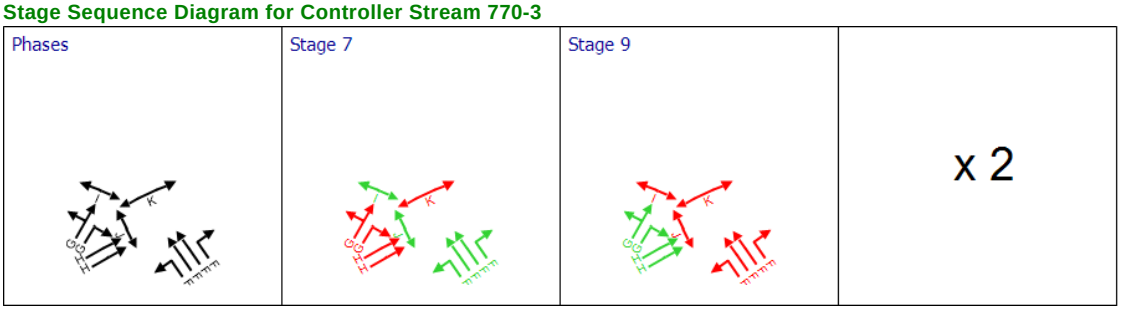
Traffic Stream Green Times

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

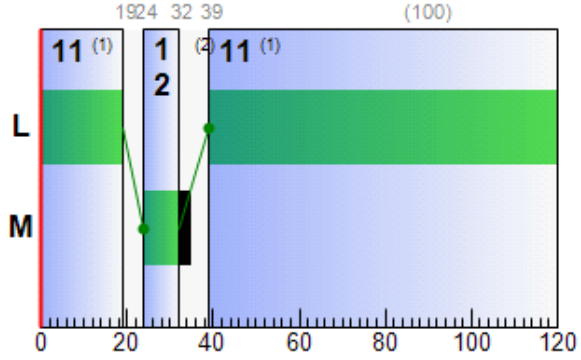
Resultant Phase Green Periods

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

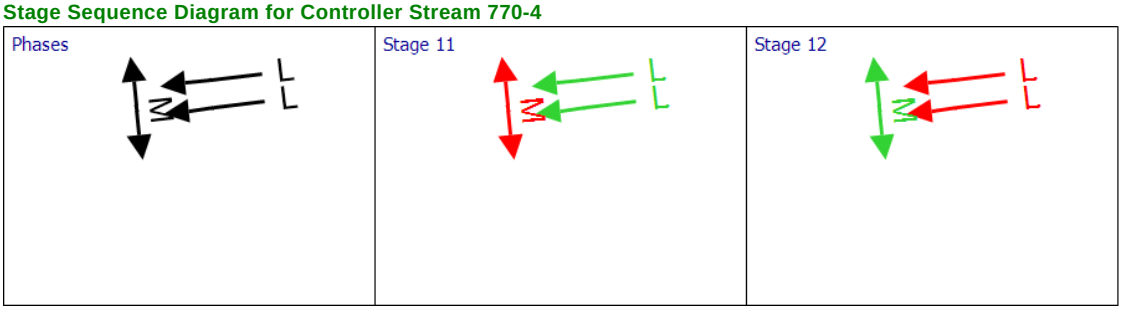
Traffic Stream Green Times

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	19, 40	1, 3	79, 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	19	34	1	9
	2	✓	3	B	30	40	10	1	7
	3		1	A,C	45	79	34	1	9
	4		3	B	90	100	10	1	7

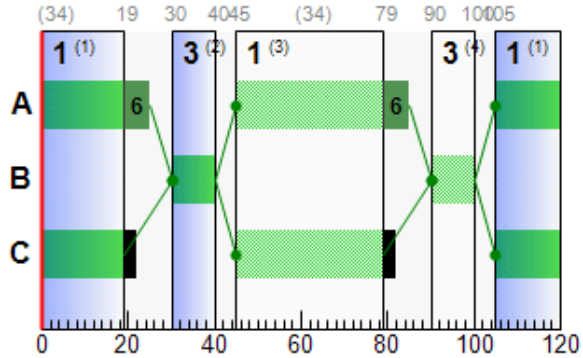
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
771-1	A	1		45	85	40
		2	✓	105	25	40
	B	1	✓	30	40	10
		2		90	100	10
	C	1		45	79	34
		2	✓	105	19	34

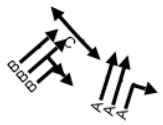
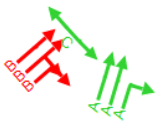
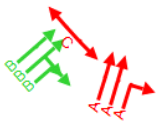
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
F	1	5	771-1	B	30	40	10	90	100	10
F	2	5	771-1	B	30	40	10	90	100	10
F	3	5	771-1	B	30	40	10	90	100	10
Fc	1	5	771-1	A	45	85	40	105	25	40
Fc	2	5	771-1	A	45	85	40	105	25	40
Fc	3	5	771-1	A	45	85	40	105	25	40

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

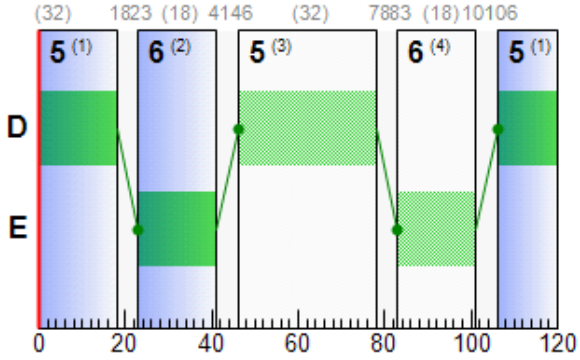
Resultant Phase Green Periods

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

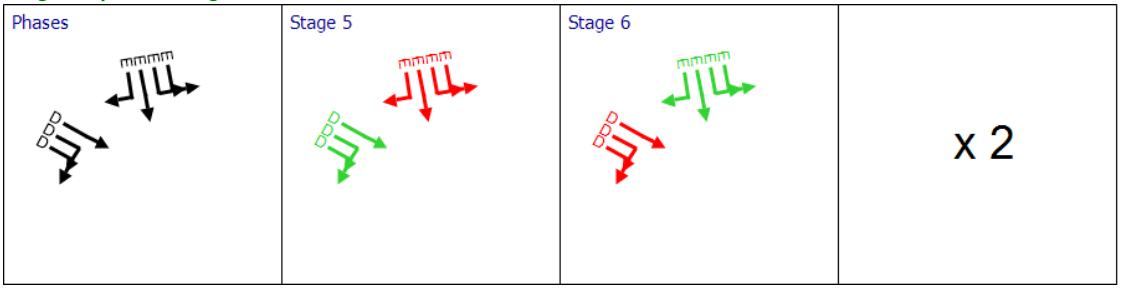
Traffic Stream Green Times

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

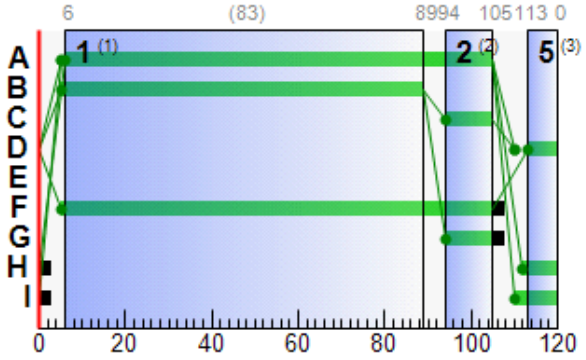
Resultant Phase Green Periods

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

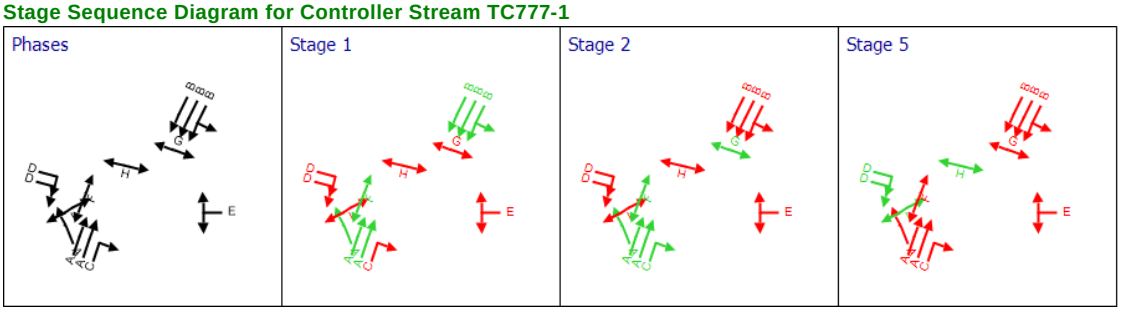
Traffic Stream Green Times

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

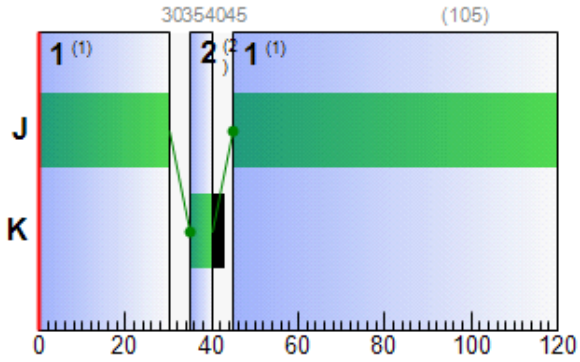
Resultant Phase Green Periods

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

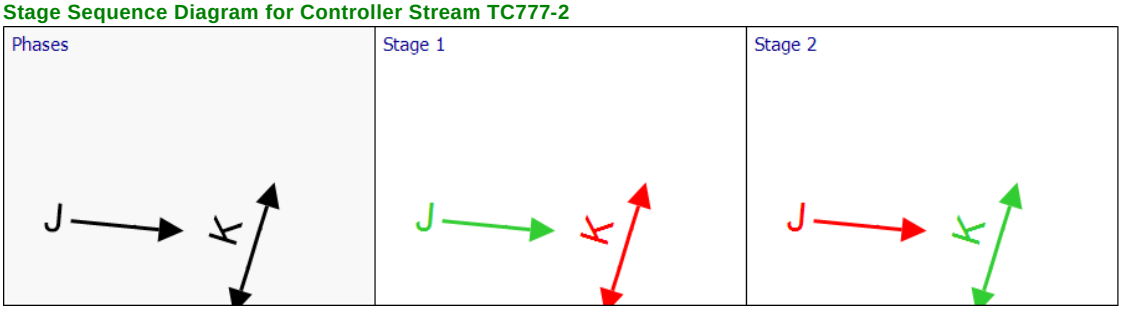
Traffic Stream Green Times

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	17.78	7.59	58.59	23.37

	A	2	(untitled)	E	214	2050	36	649	33	173	11.75	2.73	20.42	17.52
		3	(untitled)	E	423	2050	36	649	65	38	17.57	7.68	56.19	23.46
		4	(untitled)	E	374	2050	36	649	58	56	17.43	7.54	53.94	23.45
	Ac	1	(untitled)	D	1002	2263	64	1245	81	12	12.07	6.36	38.16	19.26
		2	(untitled)	D	214	2263	64	1227	17	416	2.15	3.51	21.88	11.65
		3	(untitled)	D	382	2263	64	1245	31	193	2.78	5.27	34.48	9.37
	Acf	1	(untitled)		1216	2263	120	2263	54	67	0.92	0.31	2.58	6.14
		2	(untitled)		382	2263	120	2263	17	433	0.16	0.02	0.14	7.40
	Af	1	(untitled)		616	2050	120	2050	30	200	0.38	0.06	0.69	6.80
		2	(untitled)		423	2050	120	2050	21	336	0.23	0.03	0.29	6.58
		3	(untitled)		374	2050	120	2050	18	393	0.20	0.02	0.22	6.53
	B	1	(untitled)	B	396	2050	38	683	58	55	20.14	5.32	32.31	27.24
		2	(untitled)	B	368	2150	38	710	52	74	18.89	4.93	29.19	26.18
		3	(untitled)	B	566	2100	38	687	82	9	30.11	9.35	53.95	37.59
		4	(untitled)	B	503	2050	38	683	74	22	24.88	7.75	43.53	37.17
	Bc	1	(untitled)	A	428	2050	58	1025	42	116	4.12	2.08	9.01	16.08
		2	(untitled)	A	726	2050	58	1013	72	26	12.80	10.64	46.55	24.63
		3	(untitled)	A	453	2050	58	997	45	98	4.16	4.06	17.93	15.87
	Bcf	1	(untitled)		1404	2263	120	2263	62	45	1.30	0.51	4.64	5.47
		2	(untitled)		428	2263	120	2263	19	376	0.19	0.02	0.20	5.52
		3	(untitled)		726	2263	120	2263	32	181	0.38	0.08	0.70	5.87
		4	(untitled)		453	2263	120	2263	20	350	0.20	0.03	0.23	6.33
	Bf	1	(untitled)		764	1800	120	1800	42	112	0.74	0.16	0.39	28.07
		2	(untitled)		1069	1800	120	1800	59	52	1.46	0.43	1.09	28.87
	C	1	(untitled)	G	551	2100	30	560	98	-9	91.74	19.74	93.69	106.27
		2	(untitled)	G	572	2200	30	587	98	-8	122.52	27.52	129.34	137.21
		3	(untitled)	G	367	2050	30	547	67	34	26.44	5.77	26.69	41.37
	Cf	1	(untitled)		551	1965	120	1965	28	221	0.36	0.05	0.22	17.71
		2	(untitled)		939	1965	120	1965	48	88	0.84	0.22	0.86	18.34
	D	1	(untitled)	B	367	2050	38	683	54	68	27.49	4.99	52.19	31.62
		2	(untitled)	B	617	1850	38	617	100	-10	105.76	21.21	221.75	109.89
		3	(untitled)	B	718	2250	38	718	100	-10	88.81	19.88	216.16	92.77
	Dc	1	(untitled)	A	943	2100	62	1119	84	7	17.01	9.11	103.33	20.81
		2	(untitled)	A	792	2100	62	1120	71	27	11.49	7.49	88.38	15.14
		3	(untitled)	A	748	2100	62	865	86	4	18.99	8.47	104.06	22.50
		4	(untitled)	A	870	2100	62	1008	86	4	19.83	9.12	116.91	23.19
	Dcf	1	(untitled)		891	2050	120	2050	43	107	0.67	0.17	1.45	5.62
		2	(untitled)		1213	2100	120	1516	80	12	10.08	10.24	89.30	15.02
		3	(untitled)		792	2100	120	1821	43	107	1.06	2.40	20.13	6.51
		4	(untitled)		748	2100	120	1993	38	140	0.70	1.78	15.32	7.97
		5	(untitled)		870	2100	120	1731	50	79	5.22	9.76	83.88	10.24
	Df	1	(untitled)		1365	1900	120	983	139	-35	516.12	208.21	598.61	540.12
		2	(untitled)		820	2250	120	718	114	-21	251.36	65.64	188.70	275.36
	Dxp	1	(untitled)	D	891	2050	101	1743	51	76	1.40	1.60	19.74	4.90
		2	(untitled)	D	270	2050	101	1743	15	481	0.35	0.16	1.85	3.99
	Ec	1	(untitled)	F	700	2150	70	1290	54	66	7.42	5.16	59.28	11.17
		2	(untitled)	F	1316	2263	70	1358	97	-7	32.70	16.95	201.28	36.33
		3	(untitled)	F	1085	2263	70	1358	80	13	7.37	5.04	62.01	10.88
		4	(untitled)	F	520	2250	70	1350	39	133	12.17	7.00	87.58	15.61
	Ecf	1	(untitled)		1060	2100	120	2092	51	78	0.93	4.92	61.61	4.37
		2	(untitled)		1041	2100	120	2100	50	82	0.84	0.24	3.02	4.32
		3	(untitled)		1316	2263	120	1696	78	16	7.13	7.69	94.23	10.65
		4	(untitled)		1637	2300	120	1963	83	8	6.02	7.80	89.03	9.86
	Ef	1	(untitled)		841	1900	120	1900	44	103	0.75	0.18	0.79	16.06
		2	(untitled)		471	1900	120	1900	25	263	0.31	0.04	0.18	15.62
07:30-08:30	Exp	1	(untitled)	L	1060	2050	100	1725	61	46	2.47	5.18	57.46	6.35
		2	(untitled)	L	341	2050	100	1725	20	355	0.26	2.34	25.09	4.29
		1	(untitled)	B	368	2100	20	385	96	-6	80.79	11.23	75.89	87.18

	F	2	(untitled)	B	213	2100	20	385	55	63	28.02	3.36	22.52	34.44
		3	(untitled)	B	310	2100	20	385	81	12	41.66	6.24	41.11	48.21
	Fc	1	(untitled)	A	1534	2263	80	1546	99	-9	43.15	46.38	145.55	62.25
		2	(untitled)	A	1129	2263	80	1466	77	17	8.60	9.77	30.95	27.33
		3	(untitled)	A	1048	2263	80	1532	68	32	5.60	18.60	59.33	25.02
	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	339	2050	28	488	69	30	45.32	6.43	23.66	61.38
		2	(untitled)	F	164	2050	28	500	33	175	41.13	2.81	10.59	52.58
	Gf	1	(untitled)		336	2050	120	2050	16	449	0.18	2.34	34.56	3.09
		2	(untitled)		135	2050	120	2048	7	1265	0.08	2.32	34.71	2.96
	xA	1	(untitled)		1716	2263	120	2154	80	13	4.72	24.83	62.16	21.94
		2	(untitled)		1287	2263	120	2199	59	54	1.33	3.07	7.66	18.58
	xB	1	(untitled)		1404	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
	xC	1	(untitled)		551	1900	120	1168	47	91	6.79	9.50	47.24	15.46
		2	(untitled)		360	1900	120	1275	28	219	3.17	4.72	23.42	11.87
	xD	1	(untitled)		891	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
		2	(untitled)		270	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
	xE	1	(untitled)		1060	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		341	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	xF	1	(untitled)		751	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
	Cc1	1	(untitled)	E	408	2050	64	1128	36	149	7.22	2.63	15.78	13.87
	E1	1	(untitled)	G	313	2050	28	513	61	47	25.37	4.56	32.78	31.37
		2	(untitled)	G	528	2200	28	550	96	-6	68.44	14.48	104.04	74.44
	Gf1	1	(untitled)		32	678	120	678	5	1834	1.89	0.23	2.73	5.58
	Cc2	2	(untitled)	D	809	2150	66	1183	68	32	15.11	12.33	77.45	22.14
		3	(untitled)	D	898	2050	66	1162	77	16	17.08	15.35	98.89	24.34
		4	(untitled)	D	822	2150	66	882	93	-3	34.69	14.55	94.05	41.55
		5	(untitled)	D	503	2050	66	1162	43	108	16.88	11.76	76.29	24.86
	E2	3	(untitled)	H	336	2150	28	524	64	40	26.25	5.25	56.69	30.24
		4	(untitled)	H	135	2050	28	513	26	242	19.34	2.37	25.04	23.41
	TC5	2	(untitled)	A	1163	2263	99	1905	61	47	2.50	3.37	84.27	5.26
		3	(untitled)	A	1287	2263	99	1905	68	33	2.38	3.51	87.73	5.14
		4	(untitled)	C	0	1800	11	180	0	Unrestricted	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	523	1925	84	1396	37	140	7.00	6.16	38.63	18.01
		2	(untitled)	B	403	1966	84	1425	28	218	6.21	4.46	27.83	17.26
		3	(untitled)	B	301	1947	84	1412	21	322	5.71	3.13	19.39	16.84
	TC35	1	(untitled)	A	554	1900	99	1599	35	160	2.51	2.62	62.45	5.41
	TC36	1	(untitled)		226	1800	120	1800	13	617	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	249	120	249	16	459	4.36	2.43	65.56	5.90
	TC39	2	(untitled)		1163	2263	120	2263	51	75	0.84	0.27	4.42	3.38
		3	(untitled)		1287	2263	120	2263	57	58	1.05	0.37	6.47	3.44
	TC40	2	(untitled)		1203	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		1287	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	93	1850	7	123	75	19	95.08	3.98	41.55	99.05
	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)		911	1300	120	1300	70	28	3.21	0.81	3.50	19.25
	48	1	(untitled)		1490	1965	120	1965	76	19	2.85	1.18	12.31	9.46
	49	1	(untitled)		523	1900	120	1900	28	227	0.36	0.05	1.14	3.51
		2	(untitled)		704	1900	120	1900	37	143	0.56	0.11	2.39	3.71
	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	96	5	29	1	7
	2	✓	2	B	12	31	19	1	7
	3		1	A	36	65	29	1	7
	4		2	B	72	91	19	1	7
769-2	1	✓	4	D,E,H,I	97	4	27	1	3
	2	✓	5	F,G,J,K	15	23	8	1	8
	3		4	D,E,H,I	37	64	27	1	3
	4		5	F,G,J,K	75	83	8	1	8
770-1	1	✓	1	A,C	100	9	29	1	5
	2	✓	2	B	16	35	19	1	7
	3		1	A,C	40	69	29	1	5
	4		2	B	76	95	19	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	19	34	1	9
	2	✓	3	B	30	40	10	1	7
	3		1	A,C	45	79	34	1	9
	4		3	B	90	100	10	1	7
771-2	1	✓	5	D	106	18	32	1	7
	2	✓	6	E	23	41	18	1	7
	3		5	D	46	78	32	1	7
	4		6	E	83	101	18	1	7
TC777-1	1	✓	1	A,B,F	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	10	300	0	0	Pedestrian
	K	K	5	300	0	0	Pedestrian
770-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	5	300	0	0	Pedestrian
770-2	D	D	7	300	0	0	Traffic
	E	E	5	300	0	0	Pedestrian
770-3	F	F	7	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	4	300	0	0	Traffic
	I	I	5	300	0	0	Pedestrian
	J	J	5	300	0	0	Pedestrian
	K	K	10	300	0	0	Pedestrian
770-4	L	L	7	300	0	0	Traffic
	M	M	6	300	0	0	Pedestrian
771-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	9	300	0	0	Pedestrian
771-2	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
TC777-1	A	A	7	300	0	1	Traffic
	B	B	7	300	0	2	Traffic
	C	C	7	300	0	0	Traffic
	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	5	300	0	0	Pedestrian
	G	G	7	300	0	0	Pedestrian
	H	H	6	300	0	0	Pedestrian
	I	I	5	300	0	0	Pedestrian
TC777-2	J	J	7	300	0	0	Traffic
	K	K	5	300	0	0	Pedestrian

Data Entry - Traffic Stream

Traffic Stream

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

	4	✓	80.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ac	1	✓	95.80	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	2	✓	92.34	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	87.95	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
Acf	1	✓	69.59	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	70.42	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Af	1	✓	53.54	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	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	✓	132.85	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	131.47	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	130.10	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Bcf	1	✓	62.67	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	63.14	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.35	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	62.25	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Bf	1	✓	227.81	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
	2	✓	228.44	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
C	1	✓	121.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	122.36	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Cf	1	✓	144.60	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
	2	✓	145.86	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
D	1		55.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2		55.00	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
	3	✓	52.87	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	100
Dc	1	✓	50.67	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	48.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	46.78	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	4	✓	44.83	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100

Dcf	1	✓	65.95	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	65.92	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	68.61	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	66.73	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	66.90	CTM	0.00	Normal	✓			Directly entered	2100	100	100
Df	1		200.00	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
	2		200.00	NetworkDefault	0.00	Normal	✓			Directly entered	2250	100	100
Dxp	1	✓	46.62	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	48.64	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ec	1	✓	50.09	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	46.77	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	4	✓	45.93	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	100
Ecf	1	✓	45.94	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	2	✓	46.37	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	46.93	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	50.37	CTM	0.00	Normal	✓			Directly entered	2300	100	100
Ef	1	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	1	✓	51.83	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.71	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	1	✓	85.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	87.25	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
Fc	1	✓	183.21	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	2	✓	181.45	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	180.28	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
Ff	1	✓	275.73	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
	2	✓	275.39	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
G	1	✓	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	✓	229.97	CTM	0.00	Normal	✓			Directly entered	2263	100	100
xB	1	✓	77.15	NetworkDefault	0.00	Normal						100	100
xC	1	✓	115.60	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
	2	✓	115.98	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
xD	1	✓	121.71	NetworkDefault	0.00	Normal						100	100
	2	✓	122.74	NetworkDefault	0.00	Normal						100	100
xE	1	✓	173.89	NetworkDefault	0.00	Normal						100	100
	2	✓	173.83	NetworkDefault	0.00	Normal						100	100
xF	1	✓	162.53	NetworkDefault	0.00	Normal						100	100
Cc1	1	✓	95.84	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E1	1		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
Gf1	1	✓	49.26	NetworkDefault	0.00	Normal			✓			100	100
Cc2	2	✓	91.58	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	89.25	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	4	✓	88.96	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	5	✓	88.65	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E2	3	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
TC5	2	✓	23.03	CTM	0.00	Normal	✓	✓		Sum of lanes	2263	100	100
	3	✓	23.02	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	4	✓	24.43	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
TC9	1	✓	91.71	CTM	0.00	Normal	✓	✓		Directly entered	1925	100	100
	2	✓	92.11	CTM	0.00	Normal	✓	✓		Sum of lanes	1966	100	100
	3	✓	92.69	CTM	0.00	Normal	✓	✓		Sum of lanes	1947	100	100
TC35	1	✓	24.16	CTM	0.00	Normal	✓	✓		Directly entered	1900	100	100
TC36	1	✓	25.22	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
TC37	1	✓	44.32	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
TC38	1	✓	21.32	CTM	0.00	Normal	✓		✓	Directly entered	1850	100	100
TC39	2	✓	35.24	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	33.28	CTM	0.00	Normal	✓			Directly entered	2263	100	100
TC40	2	✓	58.74	PDM	0.00	Normal						100	100
	3	✓	55.82	PDM	0.00	Normal						100	100
TC41	1	✓	54.63	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
	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	68	0.00	0.00
		2	0	0	68	0.00	0.00
	8	**1**	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	9	**1**	0	0	20	0.00	0.00
		2	0	0	20	0.00	0.00
	10	**1**	0	0	32	0.00	0.00
		2	0	0	32	0.00	0.00
	11	**1**	0	0	64	0.00	0.00
		2	0	0	64	0.00	0.00
	12	**1**	0	0	62	0.00	0.00
		2	0	0	62	0.00	0.00
	13	**1**	0	0	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	17.78	7.59	58.59	28.19	11.15	39.35
		2	33	173	214	2050	36	11.75	2.73	20.42	9.92	4.61	14.53
		3	65	38	423	2050	36	17.57	7.68	56.19	29.31	11.38	40.69
		4	58	56	374	2050	36	17.43	7.54	53.94	25.71	10.52	36.22
	Ac	1	81	12	1002	2263	64	12.07	6.36	38.16	47.73	10.80	58.53
		2	17	416	214	2263	64	2.15	3.51	21.88	1.81	2.15	3.97
		3	31	193	382	2263	64	2.78	5.27	34.48	4.19	6.25	10.44
	Acf	1	54	67	1216	2263	120	0.92	0.31	2.58	4.43	0.00	4.43
		2	17	433	382	2263	120	0.16	0.02	0.14	0.24	0.00	0.24
	Af	1	30	200	616	2050	120	0.38	0.06	0.69	0.92	0.00	0.92
		2	21	336	423	2050	120	0.23	0.03	0.29	0.38	0.00	0.38
		3	18	393	374	2050	120	0.20	0.02	0.22	0.29	0.00	0.29
	B	1	58	55	396	2050	38	20.14	5.32	32.31	31.46	10.03	41.48
		2	52	74	368	2150	38	18.89	4.93	29.19	27.42	8.83	36.25
		3	82	9	566	2100	38	30.11	9.35	53.95	67.23	17.55	84.77
		4	74	22	503	2050	38	24.88	7.75	43.53	49.36	5.81	55.17
	Bc	1	42	116	428	2050	58	4.12	2.08	9.01	6.96	1.16	8.12
		2	72	26	726	2050	58	12.80	10.64	46.55	36.65	8.15	44.80
		3	45	98	453	2050	58	4.16	4.06	17.93	7.44	1.67	9.11
	Bcf	1	62	45	1404	2263	120	1.30	0.51	4.64	7.19	0.00	7.19
		2	19	376	428	2263	120	0.19	0.02	0.20	0.31	0.00	0.31
		3	32	181	726	2263	120	0.38	0.08	0.70	1.08	0.00	1.08
		4	20	350	453	2263	120	0.20	0.03	0.23	0.36	0.00	0.36
	Bf	1	42	112	764	1800	120	0.74	0.16	0.39	2.22	0.00	2.22
		2	59	52	1069	1800	120	1.46	0.43	1.09	6.15	0.00	6.15
	C	1	98	-9	551	2100	30	91.74	19.74	93.69	199.38	10.91	210.29
		2	98	-8	572	2200	30	122.52	27.52	129.34	276.44	17.17	293.61
		3	67	34	367	2050	30	26.44	5.77	26.69	38.28	4.33	42.61
	Cf	1	28	221	551	1965	120	0.36	0.05	0.22	0.78	0.00	0.78
		2	48	88	939	1965	120	0.84	0.22	0.86	3.10	0.00	3.10
	D	1	54	68	367	2050	38	27.49	4.99	52.19	39.76	9.61	49.37
		2	100	-10	617	1850	38	105.76	21.21	221.75	257.25	26.76	284.01
		3	100	-10	718	2250	38	88.81	19.88	216.16	251.65	23.33	274.99
	Dc	1	84	7	943	2100	62	17.01	9.11	103.33	63.26	17.39	80.65
		2	71	27	792	2100	62	11.49	7.49	88.38	35.88	14.41	50.30
		3	86	4	748	2100	62	18.99	8.47	104.06	55.99	16.77	72.77
		4	86	4	870	2100	62	19.83	9.12	116.91	68.05	19.21	87.26
	Dcf	1	43	107	891	2050	120	0.67	0.17	1.45	2.37	0.00	2.37
		2	80	12	1213	2100	120	10.08	10.24	89.30	48.20	18.53	66.73
		3	43	107	792	2100	120	1.06	2.40	20.13	3.31	1.94	5.25
		4	38	140	748	2100	120	0.70	1.78	15.32	2.07	0.50	2.57
		5	50	79	870	2100	120	5.22	9.76	83.88	17.91	11.46	29.38
	Df	1	139	-35	1365	1900	120	516.12	208.21	598.61	2778.86	45.95	2824.81
		2	114	-21	820	2250	120	251.36	65.64	188.70	813.02	26.61	839.62
	Dxp	1	51	76	891	2050	101	1.40	1.60	19.74	4.94	1.34	6.28
		2	15	481	270	2050	101	0.35	0.16	1.85	0.37	0.14	0.51
	Ec	1	54	66	700	2150	70	7.42	5.16	59.28	20.47	9.15	29.62
		2	97	-7	1316	2263	70	32.70	16.95	201.28	169.73	30.58	200.32
		3	80	13	1085	2263	70	7.37	5.04	62.01	31.55	9.63	41.18
		4	39	133	520	2250	70	12.17	7.00	87.58	24.98	13.44	38.42
	Ecf	1	51	78	1060	2100	120	0.93	4.92	61.61	3.88	0.72	4.61
		2	50	82	1041	2100	120	0.84	0.24	3.02	3.46	0.00	3.46
		3	78	16	1316	2263	120	7.13	7.69	94.23	37.00	14.08	51.08
		4	83	8	1637	2300	120	6.02	7.80	89.03	38.83	13.25	52.08

07:30-08:30	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	61	46	1060	2050	100	2.47	5.18	57.46	10.31	3.41	13.73
		2	20	355	341	2050	100	0.26	2.34	25.09	0.35	0.07	0.43
	F	1	96	-6	368	2100	20	80.79	11.23	75.89	117.28	19.37	136.64
		2	55	63	213	2100	20	28.02	3.36	22.52	23.54	6.45	29.99
		3	81	12	310	2100	20	41.66	6.24	41.11	50.94	11.32	62.27
	Fc	1	99	-9	1534	2263	80	43.15	46.38	145.55	261.08	23.13	284.21
		2	77	17	1129	2263	80	8.60	9.77	30.95	38.29	8.56	46.86
		3	68	32	1048	2263	80	5.60	18.60	59.33	23.17	10.13	33.30
	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	69	30	339	2050	28	45.32	6.43	23.66	60.54	6.69	67.22
		2	33	175	164	2050	28	41.13	2.81	10.59	26.59	5.77	32.37
	Gf	1	16	449	336	2050	120	0.18	2.34	34.56	0.23	0.04	0.28
		2	7	1265	135	2050	120	0.08	2.32	34.71	0.04	0.06	0.10
	xA	1	80	13	1716	2263	120	4.72	24.83	62.16	31.95	11.24	43.19
		2	59	54	1287	2263	120	1.33	3.07	7.66	6.75	2.17	8.92
	xB	1	0	Unrestricted	1404	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	47	91	551	1900	120	6.79	9.50	47.24	14.75	9.93	24.68
		2	28	219	360	1900	120	3.17	4.72	23.42	4.50	5.52	10.01
	xD	1	0	Unrestricted	891	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	270	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	0	Unrestricted	1060	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	341	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	0	Unrestricted	751	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	36	149	408	2050	64	7.22	2.63	15.78	11.62	4.68	16.30
	E1	1	61	47	313	2050	28	25.37	4.56	32.78	31.33	8.76	40.09
		2	96	-6	528	2200	28	68.44	14.48	104.04	142.55	25.53	168.08
	Gf1	1	5	1834	32	678	120	1.89	0.23	2.73	0.23	0.33	0.57
	Cc2	2	68	32	809	2150	66	15.11	12.33	77.45	48.23	19.77	68.00
		3	77	16	898	2050	66	17.08	15.35	98.89	60.49	23.19	83.68
		4	93	-3	822	2150	66	34.69	14.55	94.05	112.49	29.69	142.18
		5	43	108	503	2050	66	16.88	11.76	76.29	33.49	11.70	45.20
	E2	3	64	40	336	2150	28	26.25	5.25	56.69	34.79	9.61	44.39
		4	26	242	135	2050	28	19.34	2.37	25.04	10.30	3.34	13.64
	TC5	2	61	47	1163	2263	99	2.50	3.37	84.27	11.46	1.27	12.73
		3	68	33	1287	2263	99	2.38	3.51	87.73	12.06	1.31	13.37
		4	0	Unrestricted	0	1800	11	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	37	140	523	1925	84	7.00	6.16	38.63	14.45	2.27	16.72
		2	28	218	403	1966	84	6.21	4.46	27.83	9.87	1.60	11.47
		3	21	322	301	1947	84	5.71	3.13	19.39	6.78	1.17	7.95
	TC35	1	35	160	554	1900	99	2.51	2.62	62.45	5.48	1.04	6.53
	TC36	1	13	617	226	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	16	459	40	249	120	4.36	2.43	65.56	0.69	0.82	1.50
	TC39	2	51	75	1163	2263	120	0.84	0.27	4.42	3.85	0.00	3.85
		3	57	58	1287	2263	120	1.05	0.37	6.47	5.32	0.00	5.32
	TC40	2	0	Unrestricted	1203	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		3	0	Unrestricted	1287	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	75	19	93	1850	7	95.08	3.98	41.55	34.88	4.07	38.95
	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	911	1300	120	3.21	0.81	3.50	11.54	0.00	11.54
	48	1	76	19	1490	1965	120	2.85	1.18	12.31	16.75	0.00	16.75
	49	1	28	227	523	1900	120	0.36	0.05	1.14	0.74	0.00	0.74
		2	37	143	704	1900	120	0.56	0.11	2.39	1.55	0.00	1.55

	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	0.66	36
		2	214	214	-1	✓	2050	649	33		173	0.57	36
		3	423	423	0		2050	649	65		38	0.52	36
		4	374	374	0		2050	649	58		56	0.70	36
	Ac	1	1002	1002	71	✓	2263	1245	81		12	1.01	64
		2	214	214	-1	✓	2263	1227	17		416	1.60	64
		3	382	382	-1		2263	1245	31		193	1.27	64
	Acf	1	1216	1216	70	✓	2263	2263	54		67	0.80	120
		2	382	382	-1		2263	2263	17		433	1.27	120
	Af	1	616	616	-1	✓	2050	2050	30		200	0.63	120
		2	423	423	0		2050	2050	21		336	0.52	120
		3	374	374	0		2050	2050	18		393	0.70	120
	B	1	396	396	-1		2050	683	58		55	0.00	38
		2	368	368	0		2150	710	52		74	0.00	38
		3	566	566	0		2100	687	82		9	0.00	38
		4	503	503	0		2050	683	74		22	0.00	38
	Bc	1	428	428	-2	✓	2050	1025	42		116	1.35	58
		2	726	726	-1		2050	1013	72		26	1.00	58
		3	453	453	0		2050	997	45		98	1.19	58
	Bcf	1	1404	1404	71	✓	2263	2263	62		45	0.64	120
		2	428	428	-2	✓	2263	2263	19		376	1.35	120
		3	726	726	-1		2263	2263	32		181	1.00	120
		4	453	453	0		2263	2263	20		350	1.19	120
	Bf	1	764	764	-1		1800	1800	42		112	0.00	120
		2	1069	1069	0		1800	1800	59		52	0.00	120
	C	1	551	550	0		2100	560	98	✓	-9	0.00	30
		2	572	564	0		2200	587	98	✓	-8	0.00	30
		3	367	367	0		2050	547	67		34	0.00	30
	Cf	1	551	551	0		1965	1965	28		221	0.00	120
		2	939	939	0		1965	1965	48		88	0.00	120
	D	1	367	367	142	✓	2050	683	54		68	0.86	38
		2	617	617	239	✓	1850	617	100	✓	-10	0.86	38
		3	718	718	102	✓	2250	718	100	✓	-10	1.09	38
	Dc	1	943	943	1	✓	2100	1119	84		7	0.64	62
		2	792	792	4	✓	2100	1120	71		27	0.71	62
		3	748	748	2	✓	2100	865	86		4	0.68	62
		4	870	870	0		2100	1008	86		4	0.80	62
	Dcf	1	891	891	0		2050	2050	43		107	0.95	120
		2	1213	1213	1	✓	2100	1516	80		12	0.50	120
		3	792	792	4	✓	2100	1821	43		107	0.66	120
		4	748	748	2	✓	2100	1993	38		140	0.69	120
		5	870	870	0		2100	1731	50		79	1.07	120
	Df	1	1365	983	0		1900	983	139	✓	-35	0.00	120
		2	820	718	0		2250	718	114	✓	-21	0.00	120
	Dxp	1	891	891	0		2050	1743	51		76	0.88	101
		2	270	270	0		2050	1743	15		481	1.16	101
	Ec	1	700	700	100	✓	2150	1290	54		66	0.83	70
		2	1316	1316	223	✓	2263	1358	97	✓	-7	0.58	70
		3	1085	1085	47	✓	2263	1358	80		13	0.75	70
		4	520	520	69	✓	2250	1350	39		133	1.05	70
		1	1060	1060	46	✓	2100	2092	51		78	0.74	120

07:30-08:30	Ecf	2	1041	1041	101	✓	2100	2100	50		82	0.70	120
		3	1316	1316	223	✓	2263	1696	78		16	0.46	120
		4	1637	1637	120	✓	2300	1963	83		8	0.44	120
	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	1060	1060	46	✓	2050	1725	61		46	0.74	100
		2	341	341	1	✓	2050	1725	20		355	1.11	100
	F	1	368	368	0		2100	385	96	✓	-6	0.00	20
		2	213	213	-1	✓	2100	385	55		63	0.00	20
		3	310	310	-1		2100	385	81		12	0.00	20
	Fc	1	1534	1534	223	✓	2263	1546	99	✓	-9	0.54	80
		2	1129	1129	47	✓	2263	1466	77		17	0.87	80
		3	1048	1048	69	✓	2263	1532	68		32	1.00	80
	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	339	339	0		2050	488	69		30	1.50	28
		2	164	164	4	✓	2050	500	33		175	1.42	28
	Gf	1	336	336	0		2050	2050	16		449	1.50	120
		2	135	135	0		2050	2048	7		1265	1.50	120
	xA	1	1716	1716	176	✓	2263	2154	80		13	0.29	120
		2	1287	1287	93	✓	2263	2199	59		54	0.75	120
	xB	1	1404	1404	71	✓	Unrestricted	Unrestricted	0		Unrestricted	0.46	120
	xC	1	551	551	-1	✓	1900	1168	47		91	1.14	120
		2	360	360	3	✓	1900	1275	28		219	1.27	120
	xD	1	891	891	0		Unrestricted	Unrestricted	0		Unrestricted	0.80	120
		2	270	270	0		Unrestricted	Unrestricted	0		Unrestricted	1.03	120
	xE	1	1060	1060	46	✓	Unrestricted	Unrestricted	0		Unrestricted	0.62	120
		2	341	341	1	✓	Unrestricted	Unrestricted	0		Unrestricted	0.94	120
	xF	1	751	751	100	✓	Unrestricted	Unrestricted	0		Unrestricted	0.71	120
	Cc1	1	408	408	-3	✓	2050	1128	36		149	1.21	64
	E1	1	313	313	0		2050	513	61		47	0.00	28
		2	528	528	0		2200	550	96	✓	-6	0.00	28
	Gf1	1	32	32	4	✓	678	678	5		1834	1.08	120
	Cc2	2	809	809	0		2150	1183	68		32	0.79	66
		3	898	898	0		2050	1162	77		16	0.94	66
		4	822	822	-1		2150	882	93	✓	-3	0.85	66
		5	503	503	0		2050	1162	43		108	1.33	66
	E2	3	336	336	0		2150	524	64		40	0.00	28
		4	135	135	0		2050	513	26		242	0.00	28
	TC5	2	1163	1163	158	✓	2263	1905	61		47	0.46	99
		3	1287	1287	93	✓	2263	1905	68		33	0.74	99
		4	0	0	0		1800	180	0		Unrestricted	0.00	11
	TC9	1	523	523	-1	✓	1925	1396	37		140	0.00	84
		2	403	403	0		1966	1425	28		218	0.00	84
		3	301	301	0		1947	1412	21		322	0.00	84
	TC35	1	554	554	17	✓	1900	1599	35		160	0.61	99
	TC36	1	226	226	0		1800	1800	13		617	0.00	120
	TC37	1	40	40	0		1850	1634	2		3577	0.00	105
	TC38	1	40	40	0		249	249	16		459	0.23	120
	TC39	2	1163	1163	158	✓	2263	2263	51		75	0.54	120
		3	1287	1287	93	✓	2263	2263	57		58	0.77	120
	TC40	2	1203	1203	158	✓	Unrestricted	Unrestricted	0		Unrestricted	0.45	120
		3	1287	1287	93	✓	Unrestricted	Unrestricted	0		Unrestricted	0.65	120
	TC41	1	93	93	0		1850	123	75		19	0.00	7
		2	93	93	0		1850	123	75		19	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	911	911	1	✓	1300	1300	70		28	0.57	120

	48	1	1490	1490	0		1965	1965	76		19	0.00	120
	49	1	523	523	-1	✓	1900	1900	28		227	0.00	120
		2	704	704	0		1900	1900	37		143	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	17.78	1.99	28.19	86.45	347.51	11.15
		2	5.77	11.75	0.70	9.92	67.10	143.59	4.61
		3	5.90	17.57	2.06	29.31	83.80	354.45	11.38
		4	6.03	17.43	1.81	25.71	87.61	327.67	10.52
	Ac	1	7.19	12.07	3.36	47.73	33.56	336.39	10.80
		2	9.50	2.15	0.13	1.81	58.90	126.05	2.15
		3	6.60	2.78	0.29	4.19	50.98	194.75	6.25
	Acf	1	5.22	0.92	0.31	4.43	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	0.38	0.06	0.92	0.00	0.00	0.00
		2	6.36	0.23	0.03	0.38	0.00	0.00	0.00
		3	6.33	0.20	0.02	0.29	0.00	0.00	0.00
	B	1	7.10	20.14	2.22	31.46	78.87	312.33	10.03
		2	7.29	18.89	1.93	27.42	74.77	275.16	8.83
		3	7.48	30.11	4.73	67.23	96.58	546.63	17.55
		4	12.29	24.88	3.48	49.36	92.13	463.41	5.81
	Bc	1	11.96	4.12	0.49	6.96	12.17	52.08	1.16
		2	11.83	12.80	2.58	36.65	50.37	365.71	8.15
		3	11.71	4.16	0.52	7.44	16.52	74.84	1.67
	Bcf	1	4.17	1.30	0.51	7.19	0.00	0.00	0.00
		2	5.34	0.19	0.02	0.31	0.00	0.00	0.00
		3	5.49	0.38	0.08	1.08	0.00	0.00	0.00
		4	6.13	0.20	0.03	0.36	0.00	0.00	0.00
	Bf	1	27.34	0.74	0.16	2.22	0.00	0.00	0.00
		2	27.41	1.46	0.43	6.15	0.00	0.00	0.00
	C	1	14.54	91.74	14.04	199.38	158.30	869.96	10.91
		2	14.68	122.52	19.47	276.44	242.60	1369.28	17.17
		3	14.92	26.44	2.70	38.28	94.07	345.25	4.33
	Cf	1	17.35	0.36	0.05	0.78	0.00	0.00	0.00
		2	17.50	0.84	0.22	3.10	0.00	0.00	0.00
	D	1	4.13	27.49	2.80	39.76	81.61	299.27	9.61
		2	4.13	105.76	18.12	257.25	135.17	833.56	26.76
		3	3.97	88.81	17.72	251.65	101.19	726.96	23.33
	Dc	1	3.80	17.01	4.45	63.26	57.45	541.67	17.39
		2	3.65	11.49	2.53	35.88	56.71	449.08	14.41
		3	3.51	18.99	3.94	55.99	69.90	522.54	16.77
		4	3.36	19.83	4.79	68.05	68.78	598.35	19.21
	Dcf	1	4.95	0.67	0.17	2.37	0.00	0.00	0.00
		2	4.94	10.08	3.39	48.20	47.61	577.35	18.53
		3	5.45	1.06	0.23	3.31	8.09	64.08	1.94
		4	7.27	0.70	0.15	2.07	3.85	28.81	0.50
		5	5.02	5.22	1.26	17.91	41.04	357.06	11.46
	Df	1	24.00	516.12	195.69	2778.86	372.67	3664.63	45.95
		2	24.00	251.36	57.25	813.02	295.36	2121.90	26.61
	Dxp	1	3.50	1.40	0.35	4.94	4.70	41.86	1.34
		2	3.65	0.35	0.03	0.37	1.59	4.30	0.14
	Ec	1	3.76	7.42	1.44	20.47	40.73	285.00	9.15
		2	3.63	32.70	11.95	169.73	72.40	952.75	30.58
		3	3.51	7.37	2.22	31.55	27.66	300.03	9.63

		4	3.44	12.17	1.76	24.98	80.45	418.64	13.44
	Ecf	1	3.45	0.93	0.27	3.88	2.12	22.48	0.72
		2	3.48	0.84	0.24	3.46	0.00	0.00	0.00
		3	3.52	7.13	2.61	37.00	33.33	438.57	14.08
		4	3.84	6.02	2.73	38.83	25.68	420.31	13.25
	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
07:30-08:30	Exp	1	3.89	2.47	0.73	10.31	10.03	106.39	3.41
		2	4.03	0.26	0.02	0.35	0.68	2.31	0.07
	F	1	6.38	80.79	8.26	117.28	163.95	603.34	19.37
		2	6.43	28.02	1.66	23.54	94.31	200.88	6.45
		3	6.54	41.66	3.59	50.94	113.78	352.73	11.32
	Fc	1	19.10	43.15	18.39	261.08	90.45	1387.46	23.13
		2	18.73	8.60	2.70	38.29	44.75	505.09	8.56
		3	19.42	5.60	1.63	23.17	61.73	647.11	10.13
	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	45.32	4.26	60.54	115.68	391.73	6.69
		2	11.45	41.13	1.87	26.59	109.68	179.78	5.77
	Gf	1	2.92	0.18	0.02	0.23	0.41	1.37	0.04
		2	2.88	0.08	0.00	0.04	1.42	1.92	0.06
	xA	1	17.22	4.72	2.25	31.95	20.40	350.13	11.24
		2	17.25	1.33	0.48	6.75	5.26	67.67	2.17
	xB	1	5.79	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	8.67	6.79	1.04	14.75	56.19	309.38	9.93
		2	8.70	3.17	0.32	4.50	47.75	171.86	5.52
	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	6.65	7.22	0.82	11.62	29.82	121.66	4.68
	E1	1	6.00	25.37	2.21	31.33	87.21	272.98	8.76
		2	6.00	68.44	10.04	142.55	150.64	795.35	25.53
	Gf1	1	3.69	1.89	0.02	0.23	32.99	10.41	0.33
	Cc2	2	7.02	15.11	3.40	48.23	74.66	604.02	19.77
		3	7.26	17.08	4.26	60.49	88.85	797.91	23.19
		4	6.86	34.69	7.92	112.49	111.44	916.03	29.69
		5	7.98	16.88	2.36	33.49	104.39	525.06	11.70
	E2	3	4.00	26.25	2.45	34.79	89.07	299.27	9.61
		4	4.07	19.34	0.73	10.30	77.08	104.06	3.34
	TC5	2	2.76	2.50	0.81	11.46	8.71	101.21	1.27
		3	2.76	2.38	0.85	12.06	8.11	104.36	1.31
		4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	11.00	7.00	1.02	14.45	34.58	180.88	2.27
		2	11.05	6.21	0.70	9.87	31.66	127.58	1.60
		3	11.12	5.71	0.48	6.78	30.93	93.10	1.17
	TC35	1	2.90	2.51	0.39	5.48	15.00	83.10	1.04
	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	4.36	0.05	0.69	58.53	23.41	0.82
	TC39	2	2.54	0.84	0.27	3.85	0.00	0.00	0.00
		3	2.40	1.05	0.37	5.32	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	95.08	2.46	34.88	125.73	116.93	4.07
	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	3.21	0.81	11.54	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	0.36	0.05	0.74	0.00	0.00	0.00
		2	3.15	0.56	0.11	1.55	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	7.59	12.96	58.59	0.00	0.00	
		2	0.00	2.73	13.37	20.42	0.00	0.00	
		3	0.00	7.68	13.67	56.19	0.00	0.00	
		4	0.00	7.54	13.97	53.94	0.00	0.00	
	Ac	1	0.00	6.36	16.66	38.16	0.00	8.00	
		2	0.00	3.51	16.06	21.88	0.00	44.94	
		3	0.00	5.27	15.30	34.48	0.00	18.00	
	Acf	1	0.00	0.31	12.10	2.58	0.00	28.00	
		2	0.00	0.02	12.25	0.14	0.00	68.00	
	Af	1	0.00	0.06	9.31	0.69	0.00	25.00	
		2	0.00	0.03	9.21	0.29	0.00	27.00	
		3	0.00	0.02	9.17	0.22	0.00	25.00	
	B	1	0.00	5.32	16.46	32.31	0.00	0.00	
		2	0.00	4.93	16.90	29.19	0.00	0.37	
		3	0.00	9.35	17.34	53.95	0.00	0.72	
		4	0.00	7.75	17.81	43.53	0.00	0.00	
	Bc	1	0.00	2.08	23.10	9.01	0.00	8.00	
		2	0.00	10.64	22.87	46.55	0.00	8.73	
		3	0.00	4.06	22.63	17.93	0.00	11.67	
	Bcf	1	0.00	0.51	10.90	4.64	0.00	24.00	
		2	0.00	0.02	10.98	0.20	0.00	60.00	
		3	0.00	0.08	10.84	0.70	0.00	34.00	
		4	0.00	0.03	10.83	0.23	0.00	64.00	
	Bf	1	0.00	0.16	39.62	0.39	0.00	0.00	
		2	0.00	0.43	39.73	1.09	0.00	0.00	
	C	1	0.00	19.74	21.07	93.69	0.00	0.00	
		2	0.00	27.52	21.28	129.34	0.00	0.00	
		3	0.00	5.77	21.63	26.69	0.00	0.00	
	Cf	1	0.00	0.05	25.15	0.22	0.00	0.00	
		2	0.00	0.22	25.37	0.86	0.00	0.00	
	D	1	0.00	4.99	9.57	52.19	0.00	0.00	
		2	0.00	21.21	9.57	221.75	0.00	0.00	
		3	0.00	19.88	9.20	216.16	0.00	1.69	
	Dc	1	0.00	9.11	8.81	103.33	0.00	0.05	
		2	0.00	7.49	8.47	88.38	0.00	0.00	
		3	0.00	8.47	8.14	104.06	0.00	14.57	
		4	0.00	9.12	7.80	116.91	0.00	12.42	
	Dcf	1	0.00	0.17	11.47	1.45	0.00	28.00	
		2	0.00	10.24	11.46	89.30	0.00	45.38	
		3	0.00	2.40	11.93	20.13	0.00	41.95	
		4	0.00	1.78	11.60	15.32	0.00	36.09	
		5	0.00	9.76	11.64	83.88	0.00	59.10	
	Df	1	0.00	208.21	34.78	598.61	0.00	57.89	
		2	0.00	65.64	34.78	188.70	0.00	81.69	
	Dxp	1	0.00	1.60	8.11	19.74	0.00	13.00	
		2	0.00	0.16	8.46	1.85	0.00	50.00	
		1	0.00	5.16	8.71	59.28	0.00	14.00	

07:30-08:30	Ec	2	0.00	16.95	8.42	201.28	0.00	0.01	
		3	0.00	5.04	8.13	62.01	0.00	0.00	
		4	0.00	7.00	7.99	87.58	0.00	28.00	
	Ecf	1	0.00	4.92	7.99	61.61	0.00	20.48	
		2	0.00	0.24	8.06	3.02	0.00	18.00	
		3	0.00	7.69	8.16	94.23	0.00	38.08	
		4	0.00	7.80	8.76	89.03	0.00	31.60	
	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	5.18	9.01	57.46	0.00	15.00	
		2	0.00	2.34	9.34	25.09	0.00	42.00	
	F	1	0.00	11.23	14.80	75.89	0.00	0.00	
		2	0.00	3.36	14.91	22.52	0.00	0.00	
		3	0.00	6.24	15.17	41.11	0.00	0.00	
	Fc	1	0.00	46.38	31.86	145.55	0.00	0.00	
		2	0.00	9.77	31.56	30.95	0.00	12.27	
		3	0.00	18.60	31.35	59.33	0.00	12.74	
	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	6.43	27.16	23.66	0.00	9.46	
		2	0.00	2.81	26.54	10.59	0.00	18.73	
	Gf	1	0.00	2.34	6.76	34.56	0.00	90.02	
		2	0.00	2.32	6.69	34.71	0.00	90.10	
	xA	1	0.00	24.83	39.94	62.16	0.00	19.79	
		2	0.00	3.07	39.99	7.66	0.00	24.40	
	xB	1	0.00	0.00	13.42	0.00	0.00	1.00	
	xC	1	0.00	9.50	20.10	47.24	0.00	58.23	
		2	0.00	4.72	20.17	23.42	0.00	65.47	
	xD	1	0.00	0.00	21.17	0.00	0.00	13.00	
		2	0.00	0.00	21.35	0.00	0.00	53.00	
	xE	1	0.00	0.00	30.24	0.00	0.00	9.00	
		2	0.00	0.00	30.23	0.00	0.00	48.00	
	xF	1	0.00	0.00	28.27	0.00	0.00	4.00	
	Cc1	1	0.00	2.63	16.67	15.78	0.00	10.00	
	E1	1	0.00	4.56	13.91	32.78	0.00	0.00	
		2	0.00	14.48	13.91	104.04	0.00	0.00	
	Gf1	1	0.00	0.23	8.57	2.73	0.00	86.00	
	Cc2	2	0.00	12.33	15.93	77.45	0.00	9.95	
		3	0.00	15.35	15.52	98.89	0.00	8.00	
		4	0.00	14.55	15.47	94.05	0.00	19.80	
		5	0.00	11.76	15.42	76.29	0.00	38.00	
	E2	3	0.00	5.25	9.27	56.69	0.00	0.75	
		4	0.00	2.37	9.45	25.04	0.00	0.00	
	TC5	2	0.00	3.37	4.01	84.27	0.00	8.00	
		3	0.00	3.51	4.00	87.73	0.00	15.00	
		4	0.00	0.00	4.25	0.00	0.00	12.00	
	TC9	1	0.00	6.16	15.95	38.63	0.00	0.00	
		2	0.00	4.46	16.02	27.83	0.00	0.00	
		3	0.00	3.13	16.12	19.39	0.00	0.00	
	TC35	1	0.00	2.62	4.20	62.45	0.00	8.00	
	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	2.43	3.71	65.56	0.00	46.00	
	TC39	2	0.00	0.27	6.13	4.42	0.00	27.00	
		3	0.00	0.37	5.79	6.47	0.00	34.00	
	TC40	2	0.00	0.00	10.22	0.00	0.00	14.00	
		3	0.00	0.00	9.71	0.00	0.00	18.00	

	TC41	1	0.00	3.98	9.50	41.89	0.00	0.00	
		2	0.00	3.98	9.58	41.55	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	0.81	23.24	3.50	0.00	12.00	
	48	1	0.00	1.18	9.59	12.31	0.00	0.00	
	49	1	0.00	0.05	4.56	1.14	0.00	0.00	
		2	0.00	0.11	4.56	2.39	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	✓	7.60	0.50	5.97	1.00	0.00	39.35
		2	0.00	0.00	✓	2.73	0.08	2.33	1.00	0.00	14.53
		3	0.00	0.00	✓	7.69	0.61	5.84	1.00	0.00	40.69
		4	0.00	0.00	✓	7.54	0.39	6.37	1.00	0.00	36.22
	Ac	1	0.00	0.00	✓	6.37	1.65	5.57	1.00	0.00	58.53
		2	0.00	0.00	✓	3.51	0.02	1.42	1.00	0.00	3.97
		3	0.00	0.00	✓	5.27	0.07	2.13	1.00	0.00	10.44
	Acf	1	0.00	0.00	✓	0.31			1.00	0.00	4.43
		2	0.00	0.00	✓	0.02			1.00	0.00	0.24
	Af	1	0.00	0.00	✓	0.06			1.00	0.00	0.92
		2	0.00	0.00	✓	0.03			1.00	0.00	0.38
		3	0.00	0.00	✓	0.02			1.00	0.00	0.29
	B	1	0.00	0.00	✓	5.32	0.40	4.97	1.00	0.00	41.48
		2	0.00	0.00	✓	4.93	0.28	4.47	1.00	0.00	36.25
		3	0.00	0.00	✓	9.39	1.88	8.52	1.00	0.00	84.77
		4	0.00	0.00	✓	7.76	1.02	7.16	1.00	0.00	55.17
	Bc	1	0.00	0.00	✓	2.08	0.15	0.87	1.00	0.00	8.12
		2	0.00	0.00	✓	10.65	0.90	4.08	1.00	0.00	44.80
		3	0.00	0.00	✓	4.06	0.19	0.87	1.00	0.00	9.11
	Bcf	1	0.00	0.00	✓	0.51			1.00	0.00	7.19
		2	0.00	0.00	✓	0.02			1.00	0.00	0.31
		3	0.00	0.00	✓	0.08			1.00	0.00	1.08
		4	0.00	0.00	✓	0.03			1.00	0.00	0.36
	Bf	1	0.00	0.00	✓	0.16			1.00	0.00	2.22
		2	0.00	0.00	✓	0.43			1.00	0.00	6.15
	C	1	0.00	0.00		22.73	12.22	21.31	1.00	0.00	210.29
		2	0.00	0.00		29.78	14.46	26.94	1.00	0.00	293.61
		3	0.00	0.00	✓	5.78	0.68	5.47	1.00	0.00	42.61
	Cf	1	0.00	0.00	✓	0.05			1.00	0.00	0.78
		2	0.00	0.00	✓	0.22			1.00	0.00	3.10
	D	1	0.00	0.00	✓	4.99	0.31	4.95	1.00	0.00	49.37
		2	0.00	0.00	✓	26.35	18.01	26.35	1.00	0.00	284.01
		3	0.00	0.00	✓	25.42	18.98	25.42	1.00	0.00	274.99
	Dc	1	0.00	0.00	✓	9.14	2.21	9.11	1.00	0.00	80.65
		2	0.00	0.00	✓	7.49	0.85	7.24	1.00	0.00	50.30
		3	0.00	0.00	✓	8.54	2.67	5.82	1.00	0.00	72.77
		4	0.00	0.00	✓	9.18	2.66	8.77	1.00	0.00	87.26
	Dcf	1	0.00	0.00	✓	0.17			1.00	0.00	2.37
		2	0.00	0.00	✓	10.25			1.00	0.00	66.73
		3	0.00	0.00	✓	2.40			1.00	0.00	5.25
		4	0.00	0.00	✓	1.78			1.00	0.00	2.57
		5	0.00	0.00	✓	9.76			1.00	0.00	29.38

07:30-08:30	Df	1	0.00	0.00	✓	399.04			1.00	0.00	2824.81
		2	0.00	0.00	✓	116.56			1.00	0.00	839.62
	Dxp	1	0.00	0.00	✓	1.60	0.27	1.43	1.00	0.00	6.28
		2	0.00	0.00	✓	0.16	0.01	0.16	1.00	0.00	0.51
	Ec	1	0.00	0.00	✓	5.16	0.32	4.89	1.00	0.00	29.62
		2	0.00	0.00	✓	18.66	11.73	18.63	1.00	0.00	200.32
		3	0.00	0.00	✓	5.06	1.57	5.00	1.00	0.00	41.18
		4	0.00	0.00	✓	7.00	0.12	6.87	1.00	0.00	38.42
	Ecf	1	0.00	0.00	✓	4.92			1.00	0.00	4.61
		2	0.00	0.00	✓	0.24			1.00	0.00	3.46
		3	0.00	0.00	✓	7.70			1.00	0.00	51.08
		4	0.00	0.00	✓	7.82			1.00	0.00	52.08
	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	✓	5.18	0.49	2.26	1.00	0.00	13.73
		2	0.00	0.00	✓	2.34	0.02	0.02	1.00	0.00	0.43
	F	1	0.00	0.00	✓	12.50	7.04	12.25	1.00	0.00	136.64
		2	0.00	0.00	✓	3.36	0.34	3.30	1.00	0.00	29.99
		3	0.00	0.00	✓	6.28	1.61	5.92	1.00	0.00	62.27
	Fc	1	0.00	0.00	✓	51.82	21.67	29.87	1.00	0.00	284.21
		2	0.00	0.00	✓	9.77	1.45	5.77	1.00	0.00	46.86
		3	0.00	0.00	✓	18.60	0.74	5.19	1.00	0.00	33.30
	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	✓	6.43	0.78	6.43	1.00	0.00	67.22
		2	0.00	0.00	✓	2.81	0.08	2.81	1.00	0.00	32.37
	Gf	1	0.00	0.00	✓	2.34			1.00	0.00	0.28
		2	0.00	0.00	✓	2.32			1.00	0.00	0.10
	xA	1	0.00	0.00	✓	24.84			1.00	0.00	43.19
		2	0.00	0.00	✓	3.07			1.00	0.00	8.92
	xB	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	xC	1	0.00	0.00	✓	9.50			1.00	0.00	24.68
		2	0.00	0.00	✓	4.72			1.00	0.00	10.01
	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	✓	2.63	0.10	2.03	1.00	0.00	16.30
	E1	1	0.00	0.00	✓	4.56	0.48	4.48	1.00	0.00	40.09
		2	0.00	0.00	✓	15.85	8.15	15.14	1.00	0.00	168.08
	Gf1	1	0.00	0.00	✓	0.23			1.00	0.00	0.57
	Cc2	2	0.00	0.00	✓	12.34	0.74	7.83	1.00	0.00	68.00
		3	0.00	0.00	✓	15.36	1.31	10.66	1.00	0.00	83.68
		4	0.00	0.00	✓	15.02	5.79	12.33	1.00	0.00	142.18
		5	0.00	0.00	✓	11.76	0.17	8.50	1.00	0.00	45.20
	E2	3	0.00	0.00	✓	5.26	0.57	4.86	1.00	0.00	44.39
		4	0.00	0.00	✓	2.37	0.05	1.73	1.00	0.00	13.64
	TC5	2	0.00	0.00	✓	3.38	0.48	3.37	1.00	0.00	12.73
		3	0.00	0.00	✓	3.51	0.70	3.30	1.00	0.00	13.37
		4	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC9	1	0.00	0.00	✓	6.16	0.11	5.34	1.00	0.00	16.72
		2	0.00	0.00	✓	4.46	0.06	3.97	1.00	0.00	11.47
		3	0.00	0.00	✓	3.13	0.03	2.92	1.00	0.00	7.95
	TC35	1	0.00	0.00	✓	2.62	0.09	2.62	1.00	0.00	6.53
	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	✓	2.43			1.00	0.00	1.50

	TC39	2	0.00	0.00	✓	0.27			1.00	0.00	3.85
		3	0.00	0.00	✓	0.37			1.00	0.00	5.32
	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	✓	4.03	1.09	4.01	1.00	0.00	38.95
	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	✓	0.82			1.00	0.00	11.54
	48	1	0.00	0.00	✓	1.18			1.00	0.00	16.75
	49	1	0.00	0.00	✓	0.05			1.00	0.00	0.74
		2	0.00	0.00	✓	0.11			1.00	0.00	1.55
	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	68	0.00	0.00	0.00	0.00
		2	0	0	11000	68	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	20	0.00	0.00	0.00	0.00
		2	0	0	11000	20	0.00	0.00	0.00	0.00
	10	1	0	0	11000	32	0.00	0.00	0.00	0.00
		2	0	0	11000	32	0.00	0.00	0.00	0.00
	11	1	0	0	11000	64	0.00	0.00	0.00	0.00
		2	0	0	11000	64	0.00	0.00	0.00	0.00
	12	1	0	0	11000	62	0.00	0.00	0.00	0.00
		2	0	0	11000	62	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	6783	0		Unrestricted	0.00	68
		2	0	0	0		11000	6783	0		Unrestricted	0.00	68
	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	2383	0		Unrestricted	0.00	20
		2	0	0	0		11000	2383	0		Unrestricted	0.00	20
	10	1	0	0	0		11000	3483	0		Unrestricted	0.00	32
		2	0	0	0		11000	3483	0		Unrestricted	0.00	32
	11	1	0	0	0		11000	6417	0		Unrestricted	0.00	64
		2	0	0	0		11000	6417	0		Unrestricted	0.00	64
	12	1	0	0	0		11000	6233	0		Unrestricted	0.00	62
		2	0	0	0		11000	6233	0		Unrestricted	0.00	62
	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	15/07/2021 21:32:29	15/07/2021 21:32:41	07:30	120	7908.17	504.41	138.81	Df/1	12	8	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	139	-100	77484	9751	23.44	7162.65	745.52	7908.17

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	1178	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	77484	76992	3270	✓	139	✓	-100	10929

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	8.75	23.44	504.41	7162.65	42.07	30852.34	745.52

Network Results: Queues and blocking

Time Segment	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))
07:30-08:30	598.61	0.00	2225.14

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	7908.17

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	136.0	131.5	170.3	175.9	282.3	250.8	0.0
	B28	198.9	0.0	156.6	215.0	200.1	326.2	225.7	0.0
	C28	461.2	466.0	0.0	607.8	600.6	786.3	712.7	0.0
	D28	110.0	159.8	185.6	0.0	228.5	157.0	164.7	0.0
	E28	147.0	142.4	218.5	59.6	0.0	143.1	146.9	0.0
	F28	149.1	190.2	215.2	208.1	227.2	0.0	17.4	0.0
	G28	62.4	101.9	118.0	125.3	157.6	254.0	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)
23	C28	A28	554	457.77	554	457.77

24	C28	C28	0	0.00	0	0.00
25	C28	C28	0	0.00	0	0.00
32	C28	E28	163	600.56	163	600.56
36	C28	E28	0	0.00	0	0.00
41	E28	A28	456	148.44	456	148.44
42	E28	C28	36	207.20	36	207.20
43	E28	C28	0	0.00	0	0.00
44	E28	E28	0	0.00	0	0.00
45	E28	E28	0	0.00	0	0.00
49	C28	D28	346	607.79	346	607.79
50	E28	D28	51	59.62	51	59.62
68	E28	G28	168	151.45	168	151.45
91	C28	F28	59	786.31	59	786.31
92	E28	F28	50	143.10	50	143.10
96	A28	C28	0	0.00	0	0.00
97	G28	D28	0	0.00	0	0.00
98	G28	E28	0	0.00	0	0.00
99	C28	B28	33	464.78	33	464.78
100	E28	B28	135	129.03	135	129.03
101	E28	E28	0	0.00	0	0.00
102	A28	C28	348	129.36	348	129.36
103	F28	B28	0	0.00	0	0.00
104	C28	G28	560	794.66	560	794.66
105	D28	H28	0	0.00	0	0.00
106	G28	C28	140	106.94	140	106.94
107	A28	B28	24	135.42	24	135.42
108	B28	G28	332	180.79	332	180.79
109	C28	G28	230	449.55	230	449.55
110	E28	G28	22	111.80	22	111.80
111	B28	G28	0	0.00	0	0.00
112	F28	G28	40	17.39	40	17.39
113	F28	A28	72	149.07	72	149.07
114	C28	H28	0	0.00	0	0.00
115	B28	C28	9	162.21	9	162.21
117	H28	H28	0	0.00	0	0.00
121	A28	A28	0	0.00	0	0.00
122	C28	C28	0	0.00	0	0.00
123	C28	C28	0	0.00	0	0.00
124	E28	C28	0	0.00	0	0.00
125	H28	A28	0	0.00	0	0.00
126	D28	C28	0	0.00	0	0.00
127	D28	C28	0	0.00	0	0.00
128	H28	C28	0	0.00	0	0.00
129	F28	C28	5	187.13	5	187.13
130	G28	C28	140	137.34	140	137.34
131	G28	E28	123	167.50	123	167.50
132	H28	C28	0	0.00	0	0.00
133	H28	E28	0	0.00	0	0.00
134	H28	D28	0	0.00	0	0.00
135	H28	E28	0	0.00	0	0.00
136	E28	E28	0	0.00	0	0.00
137	H28	G28	0	0.00	0	0.00
138	H28	G28	0	0.00	0	0.00
139	D28	E28	7	237.44	7	237.44
140	D28	D28	0	0.00	0	0.00
141	D28	E28	7	224.09	7	224.09
142	C28	H28	0	0.00	0	0.00
143	E28	H28	0	0.00	0	0.00

144	H28	D28	0	0.00	0	0.00
145	H28	H28	0	0.00	0	0.00
149	C28	B28	3	479.54	3	479.54
150	E28	B28	336	147.84	336	147.84
151	B28	A28	0	0.00	0	0.00
152	H28	B28	0	0.00	0	0.00
153	F28	B28	16	190.18	16	190.18
154	E28	A28	18	109.98	18	109.98
155	E28	C28	4	163.98	4	163.98
156	C28	G28	60	733.69	60	733.69
157	H28	B28	0	0.00	0	0.00
158	B28	D28	266	214.99	266	214.99
159	B28	E28	120	214.66	120	214.66
160	B28	G28	137	334.56	137	334.56
161	B28	F28	49	326.21	49	326.21
162	B28	H28	0	0.00	0	0.00
163	B28	A28	35	198.90	35	198.90
164	B28	B28	0	0.00	0	0.00
165	B28	B28	0	0.00	0	0.00
166	B28	C28	82	155.99	82	155.99
167	B28	E28	460	196.33	460	196.33
168	G28	A28	330	62.40	330	62.40
169	G28	B28	67	102.63	67	102.63
170	G28	B28	67	101.21	67	101.21
171	G28	H28	0	0.00	0	0.00
172	F28	D28	68	208.11	68	208.11
173	F28	E28	5	207.84	5	207.84
174	F28	F28	0	0.00	0	0.00
175	G28	C28	0	0.00	0	0.00
176	G28	E28	49	158.08	49	158.08
177	G28	D28	118	125.29	118	125.29
178	G28	E28	34	120.80	34	120.80
179	F28	E28	5	246.56	5	246.56
180	F28	D28	0	0.00	0	0.00
181	G28	G28	0	0.00	0	0.00
185	A28	B28	24	136.56	24	136.56
186	A28	C28	25	160.97	25	160.97
187	A28	E28	273	183.60	273	183.60
195	D28	G28	167	165.32	167	165.32
196	D28	F28	148	157.03	148	157.03
197	D28	G28	53	162.86	53	162.86
198	D28	A28	3	110.04	3	110.04
199	D28	B28	105	160.32	105	160.32
200	D28	B28	105	159.33	105	159.33
201	D28	C28	217	180.93	217	180.93
204	D28	C28	45	208.39	45	208.39
205	D28	E28	27	233.95	27	233.95
206	D28	D28	0	0.00	0	0.00
207	D28	E28	7	202.02	7	202.02
210	A28	G28	503	227.20	503	227.20
211	A28	H28	0	0.00	0	0.00
212	A28	D28	0	0.00	0	0.00
213	A28	E28	102	159.00	102	159.00
214	G28	G28	0	0.00	0	0.00
215	G28	F28	100	253.99	100	253.99
218	A28	G28	289	290.65	289	290.65
219	A28	F28	165	282.30	165	282.30
220	H28	F28	0	0.00	0	0.00

222	A28	D28	2	170.30	2	170.30
223	A28	E28	68	170.03	68	170.03
224	D28	D28	0	0.00	0	0.00
225	D28	E28	0	0.00	0	0.00
226	H28	D28	0	0.00	0	0.00
227	H28	E28	0	0.00	0	0.00
230	G28	G28	0	0.00	0	0.00
231	A28	G28	10	287.95	10	287.95
232	A28	H28	0	0.00	0	0.00
233	B28	H28	0	0.00	0	0.00
234	C28	G28	170	791.23	170	791.23
235	E28	G28	0	0.00	0	0.00
236	E28	H28	0	0.00	0	0.00
238	D28	B28	0	0.00	0	0.00
239	D28	B28	0	0.00	0	0.00
240	G28	C28	59	98.21	59	98.21
241	E28	C28	0	0.00	0	0.00
242	H28	C28	0	0.00	0	0.00
243	G28	D28	0	0.00	0	0.00
244	G28	E28	0	0.00	0	0.00
245	C28	C28	0	0.00	0	0.00
246	E28	C28	36	235.90	36	235.90
248	D28	C28	0	0.00	0	0.00
249	H28	C28	0	0.00	0	0.00
250	H28	E28	0	0.00	0	0.00
251	H28	E28	0	0.00	0	0.00
254	A28	A28	0	0.00	0	0.00
255	C28	A28	0	0.00	0	0.00
256	C28	C28	0	0.00	0	0.00
257	C28	H28	0	0.00	0	0.00
258	C28	A28	7	735.37	7	735.37
259	C28	C28	0	0.00	0	0.00
260	C28	A28	0	0.00	0	0.00
261	C28	C28	0	0.00	0	0.00
262	C28	C28	0	0.00	0	0.00
263	C28	C28	0	0.00	0	0.00
264	C28	C28	0	0.00	0	0.00
265	C28	C28	0	0.00	0	0.00
266	C28	B28	0	0.00	0	0.00
267	C28	B28	0	0.00	0	0.00
268	F28	C28	0	0.00	0	0.00
269	F28	E28	0	0.00	0	0.00
270	F28	D28	0	0.00	0	0.00
271	F28	E28	0	0.00	0	0.00
272	F28	H28	0	0.00	0	0.00
273	F28	H28	0	0.00	0	0.00
274	F28	C28	0	0.00	0	0.00
275	F28	C28	15	224.58	15	224.58
276	F28	E28	0	0.00	0	0.00

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	23.37	17.78	86.45	7.59
	2	(untitled)	6	771-2	E	214	2050	36	0.00	33	173	17.52	11.75	67.10	2.73
	3	(untitled)	6	771-2	E	423	2050	36	0.00	65	38	23.46	17.57	83.80	7.68
	4	(untitled)	6	771-2	E	374	2050	36	0.00	58	56	23.45	17.43	87.61	7.54
Ac	1	(untitled)	6	771-2	D	1002	2263	64	8.00	81	12	19.26	12.07	33.56	6.36
	2	(untitled)	6	771-2	D	214	2263	64	44.94	17	416	11.65	2.15	58.90	3.51
	3	(untitled)	6	771-2	D	382	2263	64	18.00	31	193	9.37	2.78	50.98	5.27
Acf	1	(untitled)	6			1216	2263	120	28.00	54	67	6.14	0.92	0.00	0.31
	2	(untitled)	6			382	2263	120	68.00	17	433	7.40	0.16	0.00	0.02
Af	1	(untitled)	6			616	2050	120	25.00	30	200	6.80	0.38	0.00	0.06
	2	(untitled)	6			423	2050	120	27.00	21	336	6.58	0.23	0.00	0.03
	3	(untitled)	6			374	2050	120	25.00	18	393	6.53	0.20	0.00	0.02
B	1	(untitled)	1	769-1	B	396	2050	38	0.00	58	55	27.24	20.14	78.87	5.32
	2	(untitled)	1	769-1	B	368	2150	38	0.37	52	74	26.18	18.89	74.77	4.93
	3	(untitled)	1	769-1	B	566	2100	38	0.72	82	9	37.59	30.11	96.58	9.35
	4	(untitled)	1	769-1	B	503	2050	38	0.00	74	22	37.17	24.88	92.13	7.75
Bc	1	(untitled)	1	769-1	A	428	2050	58	8.00	42	116	16.08	4.12	12.17	2.08
	2	(untitled)	1	769-1	A	726	2050	58	8.73	72	26	24.63	12.80	50.37	10.64
	3	(untitled)	1	769-1	A	453	2050	58	11.67	45	98	15.87	4.16	16.52	4.06
Bcf	1	(untitled)	1			1404	2263	120	24.00	62	45	5.47	1.30	0.00	0.51
	2	(untitled)	1			428	2263	120	60.00	19	376	5.52	0.19	0.00	0.02
	3	(untitled)	1			726	2263	120	34.00	32	181	5.87	0.38	0.00	0.08
	4	(untitled)	1			453	2263	120	64.00	20	350	6.33	0.20	0.00	0.03
Bf	1	(untitled)	1			764	1800	120	0.00	42	112	28.07	0.74	0.00	0.16
	2	(untitled)	1			1069	1800	120	0.00	59	52	28.87	1.46	0.00	0.43
C	1	(untitled)	2	769-2	G	551	2100	30	0.00	98	-9	106.27	91.74	158.30	19.74
	2	(untitled)	2	769-2	G	572 <	2200	30	0.00	98	-8	137.21	122.52	242.60	27.52 +
	3	(untitled)	2	769-2	G	367	2050	30	0.00	67	34	41.37	26.44	94.07	5.77
Cf	1	(untitled)	2			551	1965	120	0.00	28	221	17.71	0.36	0.00	0.05
	2	(untitled)	2			939	1965	120	0.00	48	88	18.34	0.84	0.00	0.22
D	1	(untitled)	3	770-1	B	367	2050	38	0.00	54	68	31.62	27.49	81.61	4.99
	2	(untitled)	3	770-1	B	617 <	1850	38	0.00	100	-10	109.89	105.76	135.17	21.21 +
	3	(untitled)	3	770-1	B	718 <	2250	38	1.69	100	-10	92.77	88.81	101.19	19.88 +
Dc	1	(untitled)	3	770-1	A	943 <	2100	62	0.05	84	7	20.81	17.01	57.45	9.11 +
	2	(untitled)	3	770-1	A	792	2100	62	0.00	71	27	15.14	11.49	56.71	7.49
	3	(untitled)	3	770-1	A	748 <	2100	62	14.57	86	4	22.50	18.99	69.90	8.47 +
	4	(untitled)	3	770-1	A	870 <	2100	62	12.42	86	4	23.19	19.83	68.78	9.12 +
Dcf	1	(untitled)	3			891	2050	120	28.00	43	107	5.62	0.67	0.00	0.17
	2	(untitled)	3			1213	2100	120	45.38	80	12	15.02	10.08	47.61	10.24
	3	(untitled)	3			792	2100	120	41.95	43	107	6.51	1.06	8.09	2.40
	4	(untitled)	3			748	2100	120	36.09	38	140	7.97	0.70	3.85	1.78
	5	(untitled)	3			870	2100	120	59.10	50	79	10.24	5.22	41.04	9.76
Df	1	(untitled)	3-2			1365 <	1900	120	57.89	139	-35	540.12	516.12	372.67	208.21 +
	2	(untitled)	3-2			820 <	2250	120	81.69	114	-21	275.36	251.36	295.36	65.64 +
Dxp	1	(untitled)	3-2	770-2	D	891	2050	101	13.00	51	76	4.90	1.40	4.70	1.60
	2	(untitled)	3-2	770-2	D	270	2050	101	50.00	15	481	3.99	0.35	1.59	0.16
Ec	1	(untitled)	4	770-3	F	700	2150	70	14.00	54	66	11.17	7.42	40.73	5.16
	2	(untitled)	4	770-3	F	1316 <	2263	70	0.01	97	-7	36.33	32.70	72.40	16.95 +
	3	(untitled)	4	770-3	F	1085	2263	70	0.00	80	13	10.88	7.37	27.66	5.04
	4	(untitled)	4	770-3	F	520	2250	70	28.00	39	133	15.61	12.17	80.45	7.00
Ecf	1	(untitled)	4			1060	2100	120	20.48	51	78	4.37	0.93	2.12	4.92
	2	(untitled)	4			1041	2100	120	18.00	50	82	4.32	0.84	0.00	0.24
	3	(untitled)	4			1316	2263	120	38.08	78	16	10.65	7.13	33.33	7.69
	4	(untitled)	4			1637	2300	120	31.60	83	8	9.86	6.02	25.68	7.80

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	1060	2050	100	15.00	61	46	6.35	2.47	10.03	5.18
	2	(untitled)	4-2	770-4	L	341	2050	100	42.00	20	355	4.29	0.26	0.68	2.34
F	**1**	(untitled)	5	771-1	B	368	2100	20	0.00	96	-6	87.18	80.79	163.95	11.23
	2	(untitled)	5	771-1	B	213	2100	20	0.00	55	63	34.44	28.02	94.31	3.36
	3	(untitled)	5	771-1	B	310	2100	20	0.00	81	12	48.21	41.66	113.78	6.24
Fc	**1**	(untitled)	5	771-1	A	1534 <	2263	80	0.00	99	-9	62.25	43.15	90.45	46.38 +
	2	(untitled)	5	771-1	A	1129	2263	80	12.27	77	17	27.33	8.60	44.75	9.77
	3	(untitled)	5	771-1	A	1048	2263	80	12.74	68	32	25.02	5.60	61.73	18.60
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	339	2050	28	9.46	69	30	61.38	45.32	115.68	6.43
	2	(untitled)	2	769-2	F	164	2050	28	18.73	33	175	52.58	41.13	109.68	2.81
Gf	**1**	(untitled)	4			336	2050	120	90.02	16	449	3.09	0.18	0.41	2.34
	2	(untitled)	4			135	2050	120	90.10	7	1265	2.96	0.08	1.42	2.32
xA	**1**	(untitled)	10			1716	2263	120	19.79	80	13	21.94	4.72	20.40	24.83
	2	(untitled)	10			1287	2263	120	24.40	59	54	18.58	1.33	5.26	3.07
xB	**1**	(untitled)				1404	Unrestricted	120	1.00	0	Unrestricted	5.79	0.00	0.00	0.00
xC	**1**	(untitled)				551	1900	120	58.23	47	91	15.46	6.79	56.19	9.50
	2	(untitled)				360	1900	120	65.47	28	219	11.87	3.17	47.75	4.72
xD	**1**	(untitled)				891	Unrestricted	120	13.00	0	Unrestricted	9.13	0.00	0.00	0.00
	2	(untitled)				270	Unrestricted	120	53.00	0	Unrestricted	9.21	0.00	0.00	0.00
xE	**1**	(untitled)				1060	Unrestricted	120	9.00	0	Unrestricted	13.04	0.00	0.00	0.00
	2	(untitled)				341	Unrestricted	120	48.00	0	Unrestricted	13.04	0.00	0.00	0.00
xF	**1**	(untitled)				751	Unrestricted	120	4.00	0	Unrestricted	12.19	0.00	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	408	2050	64	10.00	36	149	13.87	7.22	29.82	2.63
E1	**1**	(untitled)	4	770-3	G	313	2050	28	0.00	61	47	31.37	25.37	87.21	4.56
	2	(untitled)	4	770-3	G	528 <	2200	28	0.00	96	-6	74.44	68.44	150.64	14.48 +
Gf1	**1**	(untitled)	4			32	678	120	86.00	5	1834	5.58	1.89	32.99	0.23
Cc2	**2**	(untitled)	2	769-2	D	809	2150	66	9.95	68	32	22.14	15.11	74.66	12.33
	3	(untitled)	2	769-2	D	898	2050	66	8.00	77	16	24.34	17.08	88.85	15.35
	4	(untitled)	2	769-2	D	822	2150	66	19.80	93	-3	41.55	34.69	111.44	14.55
	5	(untitled)	2	769-2	D	503	2050	66	38.00	43	108	24.86	16.88	104.39	11.76
E2	**3**	(untitled)	4	770-3	H	336	2150	28	0.75	64	40	30.24	26.25	89.07	5.25
	4	(untitled)	4	770-3	H	135	2050	28	0.00	26	242	23.41	19.34	77.08	2.37
TC5	**2**	(untitled)	TC771-6	TC777-1	A	1163	2263	99	8.00	61	47	5.26	2.50	8.71	3.37
	3	(untitled)	TC771-6	TC777-1	A	1287	2263	99	15.00	68	33	5.14	2.38	8.11	3.51
	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	523	1925	84	0.00	37	140	18.01	7.00	34.58	6.16
	2	(untitled)	TC771-6	TC777-1	B	403	1966	84	0.00	28	218	17.26	6.21	31.66	4.46
	3	(untitled)	TC771-6	TC777-1	B	301	1947	84	0.00	21	322	16.84	5.71	30.93	3.13
TC35	**1**	(untitled)	TC771-6	TC777-1	A	554	1900	99	8.00	35	160	5.41	2.51	15.00	2.62
TC36	**1**	(untitled)	TC771-6			226	1800	120	0.00	13	617	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	249	120	46.00	16	459	5.90	4.36	58.53	2.43
TC39	**2**	(untitled)	TC771-6			1163	2263	120	27.00	51	75	3.38	0.84	0.00	0.27
	3	(untitled)	TC771-6			1287	2263	120	34.00	57	58	3.44	1.05	0.00	0.37

TC40	2	(untitled)	TC771-6			1203	Unrestricted	120	14.00	0	Unrestricted	4.23	0.00	0.00	0.00
	3	(untitled)	TC771-6			1287	Unrestricted	120	18.00	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	93	1850	7	0.00	75	19	99.05	95.08	125.73	3.98
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			911	1300	120	12.00	70	28	19.25	3.21	0.00	0.81
48	1	(untitled)	2			1490	1965	120	0.00	76	19	9.46	2.85	0.00	1.18
49	1	(untitled)	TC771-6			523	1900	120	0.00	28	227	3.51	0.36	0.00	0.05
	2	(untitled)	TC771-6			704	1900	120	0.00	37	143	3.71	0.56	0.00	0.11
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	68	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	5	771-1	C	0	11000	68	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	20	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	J	0	11000	20	0	Unrestricted	0.00	0.00	0.00	100	
10	1	(untitled)	2	769-2	K	0	11000	32	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	K	0	11000	32	0	Unrestricted	0.00	0.00	0.00	100	
11	1	(untitled)		769-2	H	0	11000	64	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		769-2	H	0	11000	64	0	Unrestricted	0.00	0.00	0.00	100	
12	1	(untitled)	2	769-2	I	0	11000	62	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	I	0	11000	62	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	7239.17	692.66	10.45	504.41	7162.65	745.52	0.00	7908.17
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	7239.17	692.66	10.45	504.41	7162.65	745.52	0.00	7908.17

- *< = 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***