TRANSYT 15

Filename: M62 JN 28 CRF Scheme_Mar 20- Scenario 2a - AM + LCC Scheme.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: 23/07/2021 08:07:03

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 AM + LCC Scheme
D1 - 2019 Base + Committed AM + LCC Scheme*

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	23/07/2021 08:05:34	23/07/2021 08:05:47	07:30	120	4994.45	307.35	109.47	Df/1	10	6	TC42/1	Cf/2	TC4

Analysis Set Details

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

Demand Set Details

Name	Description	Composite	Demand sets	Start time (HH:mm)	Locked
2019 Base + Committed AM + LCC Scheme				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
			✓

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
				✓				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
1	(untitled)	
2	(untitled)	
3	(untitled)	
4	(untitled)	
5	(untitled)	
6	(untitled)	
10	(untitled)	
11	Dewsbury Road (south) Bus Gate	
12	(untitled)	
13	(untitled)	
3-2	(untitled)	
4-2	(untitled)	
TC771-6	(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
52			3-2
53			TC771-6
54			6
55			4

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	✓	54.74	✓	Directly entered	2050		2050			Normal	
	2	(untitled)	Dews	✓	54.70	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	54.88	✓	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	✓	59.42	✓	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)		✓	59.77								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)		✓	100.14								Normal	
Cc1	**1**	(untitled)	Wake	✓	95.84	✓	Directly entered	2050		2050	✓		Normal	
E1	**1**	(untitled)	M62W/Leeds		80.00	✓	Directly entered	2050		1900	✓		Normal	
	2	(untitled)	Leeds/M62E		80.00	✓	Directly entered	2200		2100	✓		Normal	
Gf1	**1**	(untitled)		✓	49.26							✓	Normal	
Cc2	**2**	(untitled)	Dews	✓	91.58	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	89.25	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	88.96	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	88.65	✓	Directly entered	2050		2050	✓		Normal	
E2	**3**	(untitled)	Wake	✓	53.28	✓	Directly entered	2150		2050	✓		Normal	
	4	(untitled)	Wake	✓	54.33	✓	Directly entered	2050		2050	✓		Normal	
TC5	**2**	(untitled)		✓	23.03	✓	Sum of lanes	2263		2263	✓		Normal	
	3	(untitled)		✓	23.02	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)		✓	24.43	✓	Sum of lanes	1800		2263	✓		Normal	
TC9	**1**	(untitled)		✓	91.71	✓	Directly entered	1925		1925	✓		Normal	
	2	(untitled)		✓	92.11	✓	Sum of lanes	1966		1966	✓		Normal	
	3	(untitled)		✓	92.69	✓	Sum of lanes	1947		1947	✓		Normal	
TC35	**1**	(untitled)		✓	24.16	✓	Directly entered	1900		2263	✓		Normal	
TC36	**1**	(untitled)		✓	25.22	✓	Sum of lanes	1800					Normal	
TC37	**1**	(untitled)		✓	44.32	✓	Directly entered	1850		1850	✓		Normal	
TC38	**1**	(untitled)		✓	21.32	✓	Directly entered	1850		1850		✓	Normal	

TC39	2	(untitled)		✓	35.24	✓	Directly entered	2263		2263			Normal	
	3	(untitled)		✓	33.28	✓	Directly entered	2263		2263			Normal	
TC40	2	(untitled)		✓	58.74								Normal	
	3	(untitled)		✓	55.82								Normal	
TC41	1	(untitled)		✓	54.63	✓	Directly entered	1850		1850	✓		Normal	
TC42	1	(untitled)		✓	23.35	✓	Sum of lanes	1771			✓		Normal	
TC43	1	(untitled)		✓	51.77	✓	Sum of lanes	1800					Normal	
47	1	(untitled)		✓	133.63	✓	Directly entered	1300		1300			Normal	
48	1	(untitled)		✓	55.12	✓	Sum of lanes	1965					Normal	
49	1	(untitled)		✓	26.24	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	26.24	✓	Directly entered	1900					Normal	
50	1	(untitled)		✓	48.15	✓	Sum of lanes	1900					Normal	
51	1	(untitled)		✓	37.47	✓	Sum of lanes	1900					Normal	
52	1	Dewsbury Road NB Bus Gate			200.00	✓	Sum of lanes	1800			✓		Normal	
53	1				91.71	✓	Sum of lanes	1800			✓		Normal	
54	1				25.00	✓	Sum of lanes	1800			✓		Normal	
55	1				20.00	✓	Sum of lanes	1800			✓		Normal	

Lanes

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

C	1	1	(untitled)												
	2	2	(untitled)												
	3	3	(untitled)												
Cf	1	2	(untitled)												1965
	2	1	(untitled)												1965
D	1	1	(untitled)												
	2	2	(untitled)												
	3	3	(untitled)												
Dc	1	1	(untitled)												
	2	2	(untitled)												
	3	3	(untitled)												
	4	4	(untitled)												
Dcf	1	1	(untitled)												
	2	2	(untitled)												
	3	3	(untitled)												
	4	4	(untitled)												
	5	5	(untitled)												
Df	1	1	(untitled)												1900
	2	2	(untitled)												
Dxp	1	1	(untitled)												
	2	1	(untitled)												
Ec	1	1	(untitled)												
	2	1	(untitled)												
	3	1	(untitled)												
	4	1	(untitled)												
Ecf	1	1	(untitled)												
	2	2	(untitled)												
	3	3	(untitled)												
	4	4	(untitled)												
Ef	1	1	(untitled)												
	2	2	(untitled)												1900
Exp	1	1	(untitled)												
	2	2	(untitled)												
F	1	1	(untitled)												
	2	2	(untitled)												
	3	3	(untitled)												
Fc	1	1	(untitled)												
	2	2	(untitled)												
	3	3	(untitled)												
Ff	1	1	(untitled)												1900
	2	2	(untitled)												1900
G	1	1	(untitled)												
	2	2	(untitled)												
Gf	1	1	(untitled)												
	2	2	(untitled)												
xA	1	1	(untitled)												
	2	2	(untitled)												
xB	1	1	(untitled)												
xC	1	1	(untitled)												1900
	2	2	(untitled)												1900
xD	1	1	(untitled)												
	2	2	(untitled)												
xE	1	1	(untitled)												
	2	2	(untitled)												
xF	1	1	(untitled)												
Cc1	1	1	(untitled)												
E1	1	1	(untitled)												
	2	2	(untitled)												

Gf1	1	1	(untitled)											
Cc2	2	2	(untitled)											
	3	3	(untitled)											
	4	4	(untitled)											
	5	5	(untitled)											
E2	3	3	(untitled)											
	4	4	(untitled)											
TC5	2	1	(untitled)		✓	N/A	Clearly Good	0	3.50	✓	0	99999.00		2263
	3	1	(untitled)											
	4	1	(untitled)											1800
TC9	1	1	(untitled)											
	2	1	(untitled)		✓	N/A	Average	0	3.70	✓	0	99999.00		1966
	3	1	(untitled)		✓	N/A	Average	0	3.50	✓	0	99999.00		1947
TC35	1	1	(untitled)											
TC36	1	1	(untitled)											1800
TC37	1	1	(untitled)											
TC38	1	1	(untitled)											
TC39	2	1	(untitled)											
	3	1	(untitled)											
TC40	2	1	(untitled)											
	3	1	(untitled)											
TC41	1	1	(untitled)											
TC42	1	1	(untitled)		✓	N/A	Average	0	3.00	✓	0	9.44	✓	1771
TC43	1	1	(untitled)											1800
47	1	1	(untitled)											
48	1	1	(untitled)											1965
49	1	2	(untitled)											
	2	1	(untitled)											
50	1	1	(untitled)											1900
51	1	1	(untitled)											1900
52	1	1	(untitled)											1800
53	1	1	(untitled)											1800
54	1	1	(untitled)											1800
55	1	1	(untitled)											1800

Modelling

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

	3	CTM	100	100	100		0.00							
Bcf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Bf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
C	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Cf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
D	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
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							
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							
52	1	NetworkDefault	100	100	100		0.00							
53	1	NetworkDefault	100	100	100		0.00							
54	1	NetworkDefault	100	100	100		0.00							
55	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	344	344
	2	202	202
	3	316	316
	4	276	276
Ac	1	998	998
	2	176	176
	3	293	293
Acf	1	1174	1174
	2	293	293
Af	1	546	546
	2	316	316
	3	276	276
B	1	279	279
	2	392	392
	3	508	508
	4	503	503
Bc	1	414	414
	2	495	495
	3	355	355
Bcf	1	1342	1342
	2	414	414
	3	495	495
	4	355	355
Bf	1	671	671
	2	1011	1011
C	1	512	512
	2	581	581
	3	366	366
Cf	1	512	512
	2	947	947
D	1	379	379
	2	674	674
	3	740	740
Dc	1	917	917
	2	761	761
	3	644	644
	4	869	869
Dcf	1	590	590
	2	1144	1144
	3	761	761
	4	644	644
	5	869	869
Df	1	1039	1039
	2	740	740
Dxp	1	590	590
	2	228	228
Ec	1	613	613
	2	1251	1251
	3	1132	1132
	4	514	514
Ecf	1	1079	1079
	2	978	978
	3	1251	1251
	4	1676	1676
Ef	1	833	833
	2	471	471
Exp	1	1079	1079
	2	365	365

F	1	307	307
	2	175	175
	3	222	222
Fc	1	1462	1462
	2	1176	1176
	3	1041	1041
Ff	1	482	482
	2	222	222
G	1	339	339
	2	162	162
Gf	1	336	336
	2	135	135
xA	1	1536	1536
	2	1380	1380
xB	1	1342	1342
xC	1	561	561
	2	335	335
xD	1	590	590
	2	228	228
xE	1	1079	1079
	2	365	365
xF	1	664	664
Cc1	1	395	395
E1	1	306	306
	2	527	527
Gf1	1	30	30
Cc2	2	522	522
	3	740	740
	4	785	785
	5	503	503
E2	3	336	336
	4	135	135
TC5	2	1158	1158
	3	1380	1380
	4	0	0
TC9	1	517	517
	2	298	298
	3	265	265
TC35	1	378	378
TC36	1	64	64
TC37	1	18	18
TC38	1	18	18
TC39	2	1158	1158
	3	1380	1380
TC40	2	1176	1176
	3	1380	1380
TC41	1	46	46
TC42	1	0	0
TC43	1	0	0
47	1	896	896
48	1	1459	1459
49	1	529	529
	2	563	563
50	1	1682	1682
51	1	704	704
52	1	14	14
53	1	12	12
54	1	1342	1342

55	**1**	664	664

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	
Df	**1**	11	B	
	2	11	B	
Dxp	**1**	770-2	D	
	2	770-2	D	
Ec	**1**	770-3	F	
	2	770-3	F	
	3	770-3	F	
	4	770-3	F	
Exp	**1**	770-4	L	
	2	770-4	L	
F	**1**	771-1	B	
	2	771-1	B	
	3	771-1	B	
Fc	**1**	771-1	A	
	2	771-1	A	
	3	771-1	A	
G	**1**	769-2	F	
	2	769-2	F	
Cc1	**1**	769-2	E	
E1	**1**	770-3	G	
	2	770-3	G	
Cc2	**2**	769-2	D	
	3	769-2	D	
	4	769-2	D	
	5	769-2	D	
E2	**3**	770-3	H	
	4	770-3	H	
TC5	**2**	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	

TC9	1	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	1	TC777-1	A	
TC37	1	TC777-2	J	
TC41	1	TC777-1	D	
TC42	1	TC777-1	E	
52	1	11	A	
53	1	TC777-1	J	
54	1	12	A	
55	1	13	A	

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
52	1	24.00	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	6.57	30.00	✓	Nearside	10.60
	2	1	TC42/1	Af/2	6.56	30.00	✓	Nearside	10.60
	3	1	TC42/1	Af/3	6.59	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
	1	1	A/1	Bcf/1	4.70	48.00	✓	Nearside	68.65

Bcf	**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	4.46	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**	54/1	xB/1	4.48	48.00	✓	Nearside	40.41
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**	55/1	xF/1	7.51	48.00	✓	Nearside	54.50
Cc1	**1**	**1**	B/1	Cc1/1	8.63	40.00	✓	Straight	Straight Movement
E1	**1**	**1**	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	**1**	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96
Gf1	**1**	**1**	Ecf/4	Gf1/1	3.69	48.00	✓	Offside	25.08
Cc2	**2**	**1**	B/1	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	3	**1**	Bc/3	Cc2/3	5.95	54.00	✓	Straight	Straight Movement
	4	**1**	Bc/3	Cc2/4	5.93	54.00	✓	Straight	Straight Movement
	5	**1**	Bc/3	Cc2/5	5.91	54.00	✓	Offside	97.08
E2	**3**	**1**	Ef/2	E2/3	4.00	48.00	✓	Nearside	43.25
	4	**1**	Ef/2	E2/4	4.07	48.00	✓	Nearside	43.25
TC5	**2**	**1**	xA/1	TC5/2	2.76	30.00	✓	Straight	Straight Movement
	3	**1**	xA/2	TC5/3	2.76	30.00	✓	Straight	Straight Movement
	4	**1**	xA/2	TC5/4	2.93	30.00	✓	Straight	Straight Movement
TC9	**1**	**1**	49/1	TC9/1	11.00	30.00	✓	Straight	Straight Movement
	2	**1**	49/2	TC9/2	11.05	30.00	✓	Straight	Straight Movement
	3	**1**	49/2	TC9/3	11.12	30.00	✓	Straight	Straight Movement
TC35	**1**	**1**	xA/1	TC35/1	2.90	30.00	✓	Straight	Straight Movement
TC37	**1**	**1**	TC36/1	TC37/1	3.19	50.00	✓	Nearside	46.04
TC38	**1**	**1**	TC37/1	TC38/1	1.53	50.00	✓	Straight	Straight Movement
TC39	**2**	**1**	TC5/2	TC39/2	2.54	50.00	✓	Straight	Straight Movement
	3	**1**	TC5/3	TC39/3	2.40	50.00	✓	Straight	Straight Movement
TC40	**2**	**1**	TC38/1	TC40/2	4.23	50.00	✓	Nearside	11.92
	3	**1**	TC39/3	TC40/3	4.02	50.00	✓	Offside	77.43
TC41	**1**	**1**	TC36/1	TC41/1	3.93	50.00	✓	Straight	Straight Movement
TC43	**1**	**1**	TC9/1	TC43/1	3.73	50.00	✓	Nearside	6.11
47	**1**	**1**	xC/1	47/1	16.04	30.00	✓	Straight	Straight Movement
53	**1**	**1**	49/1	53/1	11.01	30.00	✓	Straight	Straight Movement
54	**1**	**1**	Bcf/1	54/1	2.25	40.00	✓	Nearside	48.48
55	**1**	**1**	E1/1	55/1	2.40	30.00	✓	Nearside	38.74

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	6.57	30.00	✓	Straight	Straight Movement
	2	**2**	TC9/2	Af/2	6.56	30.00	✓	Straight	Straight Movement
	3	**2**	TC9/3	Af/3	6.59	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
D	**1**	**2**	52/1	D/1	4.13	48.00	✓	Straight	Straight Movement
	2	**2**	52/1	D/2	4.13	48.00	✓	Straight	Straight Movement
	3	**2**	52/1	D/3	4.46	48.00	✓	Straight	Straight Movement
Dcf	**1**	**2**	C/1	Dcf/1	4.95	48.00	✓	Nearside	55.54
	2	**2**	C/1	Dcf/2	4.94	48.00	✓	Nearside	55.54
	3	**2**	C/2	Dcf/3	5.15	48.00	✓	Nearside	58.86
	4	**2**	Cc2/3	Dcf/4	8.01	30.00	✓	Straight	Straight Movement
	5	**2**	C/3	Dcf/5	5.02	48.00	✓	Nearside	62.17
Ecf	**1**	**2**	D/1	Ecf/1	3.45	48.00	✓	Nearside	43.36
	2	**2**	D/1	Ecf/2	3.48	48.00	✓	Nearside	43.36
	3	**2**	D/2	Ecf/3	3.52	48.00	✓	Nearside	46.68
	4	**2**	D/3	Ecf/4	3.78	48.00	✓	Nearside	49.99
Fc	**1**	**2**	E1/1	Fc/1	20.61	32.00	✓	Nearside	58.94
	2	**2**	E1/1	Fc/2	20.41	32.00	✓	Nearside	60.85
	3	**2**	E1/2	Fc/3	20.28	32.00	✓	Nearside	64.16
G	**1**	**2**	Gf1/1	G/1	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
Cc1	**1**	**2**	Bc/1	Cc1/1	6.39	54.00	✓	Straight	Straight Movement
Cc2	**2**	**2**	Bc/2	Cc2/2	6.11	54.00	✓	Straight	Straight Movement
	3	**2**	B/3	Cc2/3	8.03	40.00	✓	Straight	Straight Movement
	4	**2**	B/2	Cc2/4	8.01	40.00	✓	Straight	Straight Movement
	5	**2**	B/4	Cc2/5	7.98	40.00	✓	Straight	Straight Movement
TC39	**2**	**2**	TC42/1	TC39/2	2.54	50.00	✓	Offside	9.44
	3	**2**	TC42/1	TC39/3	2.40	50.00	✓	Offside	9.44
TC40	**2**	**2**	TC39/2	TC40/2	4.23	50.00	✓	Offside	80.74
TC43	**1**	**2**	TC5/4	TC43/1	3.73	50.00	✓	Offside	21.45
47	**1**	**2**	xC/2	47/1	16.04	30.00	✓	Straight	Straight Movement
55	**1**	**2**	Ec/1	55/1	2.40	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	6.57	30.00	✓	Offside	6.19
	2	**3**	TC41/1	Af/2	6.56	30.00	✓	Offside	6.19

	3	3	TC41/1	Af/3	6.59	30.00	✓	Offside	6.19
Bcf	2	3	Ac/3	Bcf/2	3.99	57.00	✓	Offside	86.42
Dcf	3	3	Cc2/4	Dcf/3	8.23	30.00	✓	Straight	Straight Movement
Ecf	4	3	D/2	Ecf/4	6.04	30.00	✓	Nearside	46.68
xA	2	3	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
Cc2	2	3	B/2	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	4	3	Bc/2	Cc2/4	5.93	54.00	✓	Straight	Straight Movement
Af	1	4	53/1	Af/1	6.57	30.00	✓	Straight	Straight Movement
	2	4	53/1	Af/2	6.56	30.00	✓	Straight	Straight Movement
	3	4	53/1	Af/3	6.59	30.00	✓	Straight	Straight Movement
Cc2	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
18	(untitled)		12		Farside	3.00	2.00	5.40
19	(untitled)		13		Farside	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	
18	12	B	
19	13	B	

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	46	282	2	443	107	802	0
	B28	34	0	77	264	580	37	467	0
	C28	487	30	0	217	162	38	859	0
	D28	3	208	139	0	47	87	220	0
	E28	474	471	75	51	0	43	190	0
	F28	14	9	5	12	6	0	18	0
	G28	330	132	240	118	206	66	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, 52/1	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
	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	
	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	
	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	
	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	
	114		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	
	116		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	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	
	118		F28	C28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
	119		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	120		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	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	
	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	
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	
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	
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	
146		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
147		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
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	
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	
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	
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	
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	
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	
171		G28	H28	49/1, TC9/1, TC43/1	Normal	
172		C28	F28	52/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Fixed	
173		C28	G28	52/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
174		C28	H28	52/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	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	
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	
180		C28	C28	52/1, 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	
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	
182		C28	C28	52/1, 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	
183		C28	C28	52/1, 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	
184		C28	C28	52/1, 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	
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	
188		C28	H28	52/1, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
190		C28	C28	52/1, 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	
192		C28	C28	52/1, 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	
193		C28	C28	52/1, 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	
194		C28	C28	52/1, 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	
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		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Fixed	
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
	202		G28	B28	49/1, 53/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Disabled
	203		G28	C28	49/1, 53/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed
	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		C28	D28	Df/1, D/1, Ecf/2, Ec/1, 55/1, 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
	208		G28	C28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled
	209		G28	E28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Disabled
1	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		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, 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
	216		G28	G28	49/1, 53/1, 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
	217		G28	G28	49/1, 53/1, 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
	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
	221		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal
	223		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed
	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
	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
	229		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed
	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
	237		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal
	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
	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
	252		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal
	253		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal
	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
	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
	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		C28	E28	52/1, D/1, Ecf/1, Exp/1, xE/1	Fixed	
270		C28	E28	52/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	
271		C28	G28	52/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Fixed	
272		C28	G28	52/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
273		C28	H28	52/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
275		C28	C28	52/1, 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	
276		C28	C28	52/1, 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	
277		C28	B28	52/1, D/2, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Disabled	
278		C28	B28	52/1, D/2, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Disabled	
279		C28	G28	52/1, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
280		C28	C28	52/1, 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	
281		C28	C28	52/1, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
282		C28	B28	52/1, D/3, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	
283		C28	B28	52/1, D/3, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Disabled	
285		G28	C28	49/1, 53/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Disabled	
286		G28	B28	49/1, 53/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Fixed	
287		G28	C28	49/1, 53/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
288		G28	E28	49/1, 53/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	
290		G28	E28	49/1, 53/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Disabled	
292		G28	E28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Disabled	
294		G28	E28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Disabled	
295		G28	G28	49/1, 53/1, 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	
296		G28	F28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Fixed	
297		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, 54/1, xB/1	Normal	
298		G28	A28	49/1, 53/1, Af/1, A/1, Bcf/1, 54/1, xB/1	Disabled	
299		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, 54/1, xB/1	Normal	
300		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, 54/1, xB/1	Normal	
301		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Fixed	
302		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Normal	
303		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Fixed	
304		C28	A28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Normal	
305		C28	A28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Fixed	
306		C28	A28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Fixed	
307		C28	A28	52/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Disabled	
308		C28	A28	52/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Disabled	
309		C28	A28	52/1, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Disabled	
310		C28	A28	52/1, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Disabled	
311		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Fixed	
312		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Normal	
313		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Normal	
314		H28	A28	TC42/1, Af/1, A/1, Bcf/1, 54/1, xB/1	Normal	
315		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, 54/1, xB/1	Normal	
316		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
317		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
318		G28	D28	49/1, 53/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Disabled	
319		G28	D28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Disabled	
320		G28	D28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Disabled	
321		A28	D28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
322		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
323		B28	D28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
324		C28	D28	52/1, D/1, Ecf/2, Ec/1, 55/1, xF/1	Disabled	
325		E28	D28	Ef/1, E1/1, 55/1, xF/1	Normal	
326		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, 55/1, xF/1	Normal	
327		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, 55/1, xF/1	Normal	
328		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, 55/1, xF/1	Normal	
329		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
330		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
331		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	

	332		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Fixed
	333		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal

Signal Timings

Network Default: 120s cycle time; 120 steps

Controller Stream 11

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

Controller Stream 11 - Properties

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

Controller Stream 11 - Optimisation

Controller Stream	Allow offset optimisation	Allow green split optimisation	Optimisation level	Auto redistribute	Enable stage constraint
11	✓	✓	None		

Phases

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

Library Stages

Controller Stream	Library Stage	Phases in stage	User stage minimum (s)
11	1	A	1
	2	B	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
11	1	(untitled)	Single	1, 2	7, 115

Intergreen Matrix for Controller Stream 11

		To	
		A	B
From	A		5
	B	5	

Banned Stage transitions for Controller Stream 11

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 11

		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)
11	1	✓	1	A	0	7	7	1	7
	2	✓	2	B	12	115	103	1	7

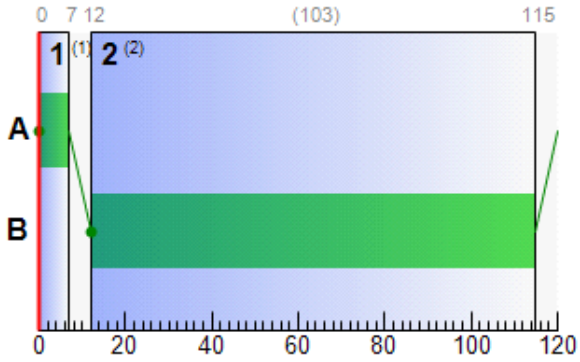
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
11	A	1	✓	0	7	7
	B	1	✓	12	115	103

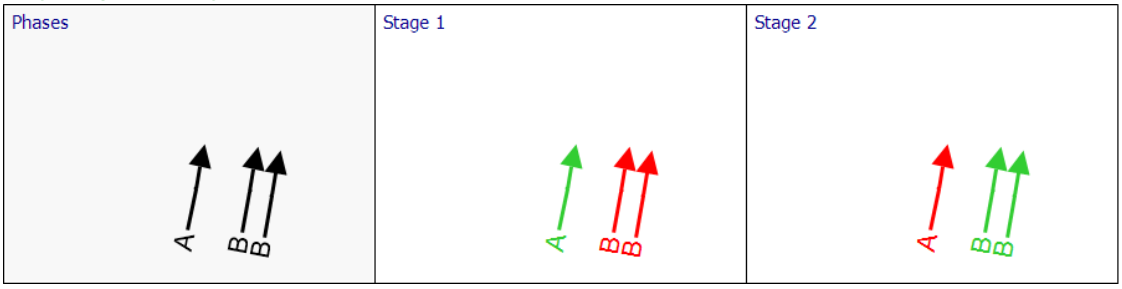
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
Df	1	3-2	11	B	12	115	103			
Df	2	3-2	11	B	12	115	103			
52	1	3-2	11	A	0	7	7			

Phase Timings Diagram for Controller Stream 11



Stage Sequence Diagram for Controller Stream 11



Controller Stream 12

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

Controller Stream 12 - Properties

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

Controller Stream 12 - Optimisation

Controller Stream	Allow offset optimisation	Allow green split optimisation	Optimisation level	Auto redistribute	Enable stage constraint
12	✓	✓	None		

Phases

Controller Stream	Phase	Name	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type	Blackout Time (s)
12	A	(untitled)	7	300	0	0	Traffic	
	B	(untitled)	6	300	0	0	Pedestrian	3

Library Stages

Controller Stream	Library Stage	Phases in stage	User stage minimum (s)
12	1	A	1
	2	B	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
12	1	(untitled)	Single	1, 2	87, 98

Intergreen Matrix for Controller Stream 12

		To	
		A	B
From	A		5
	B	5	

Banned Stage transitions for Controller Stream 12

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 12

		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)
12	1	✓	1	A	103	87	104	1	7
	2	✓	2	B	92	98	6	1	6

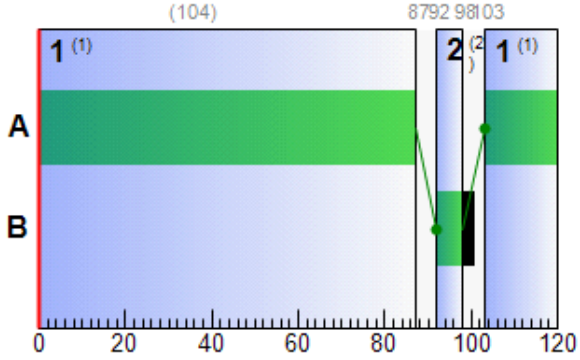
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
12	A	1	✓	103	87	104
	B	1	✓	92	98	6

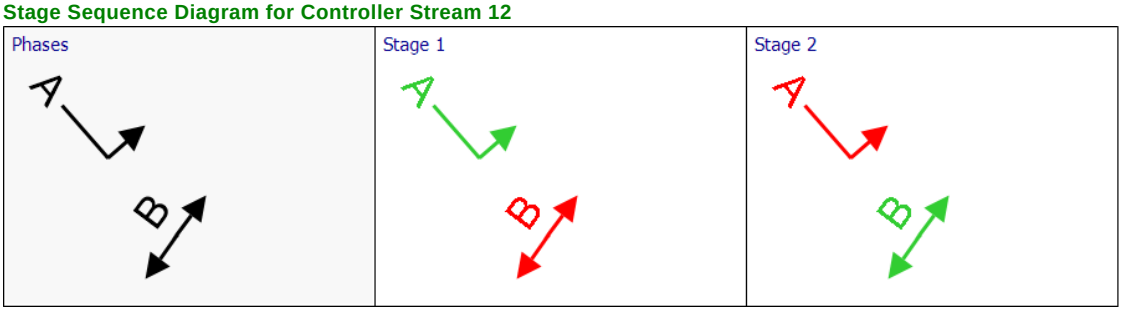
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
54	1	6	12	A	103	87	104			

Phase Timings Diagram for Controller Stream 12



Stage Sequence Diagram for Controller Stream 12



Controller Stream 13

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

Controller Stream 13 - Properties

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

Controller Stream 13 - Optimisation

Controller Stream	Allow offset optimisation	Allow green split optimisation	Optimisation level	Auto redistribute	Enable stage constraint
13	✓	✓	None		

Phases

Controller Stream	Phase	Name	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type	Blackout Time (s)
13	A	(untitled)	7	300	0	0	Traffic	
	B	(untitled)	6	300	0	0	Pedestrian	3

Library Stages

Controller Stream	Library Stage	Phases in stage	User stage minimum (s)
13	1	A	1
	2	B	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
13	1	(untitled)	Single	1, 2	28, 39

Intergreen Matrix for Controller Stream 13

		To	
		A	B
From	A		5
	B	5	

Banned Stage transitions for Controller Stream 13

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 13

		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)
13	1	✓	1	A	44	28	104	1	7
	2	✓	2	B	33	39	6	1	6

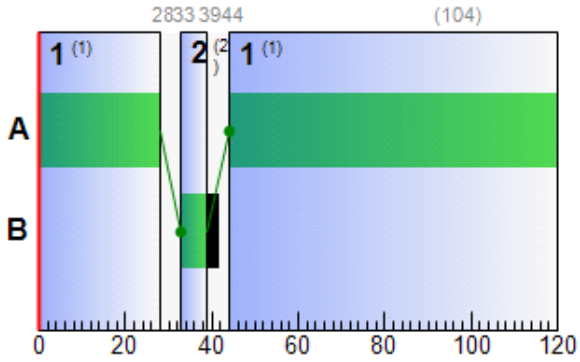
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
13	A	1	✓	44	28	104
	B	1	✓	33	39	6

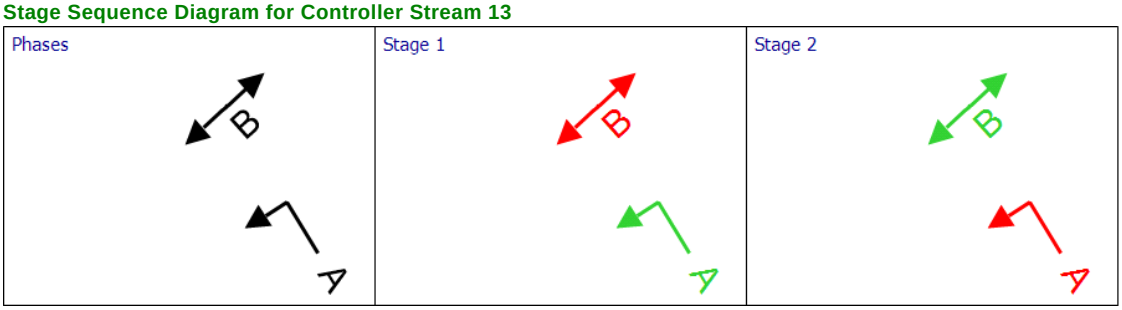
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
55	1	4	13	A	44	28	104			

Phase Timings Diagram for Controller Stream 13



Stage Sequence Diagram for Controller Stream 13



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

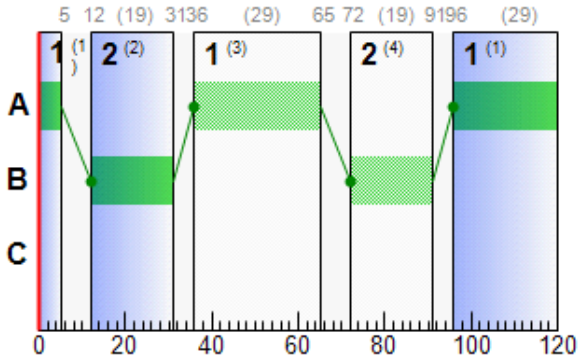
Resultant Phase Green Periods

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

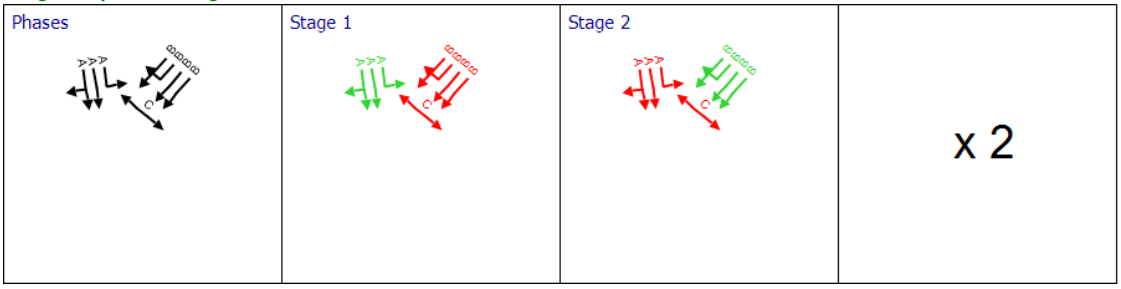
Traffic Stream Green Times

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
	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	
	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

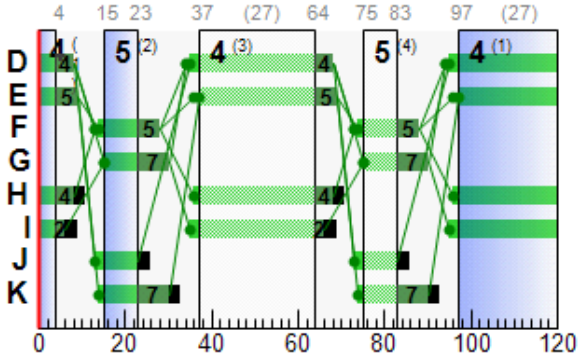
Resultant Phase Green Periods

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

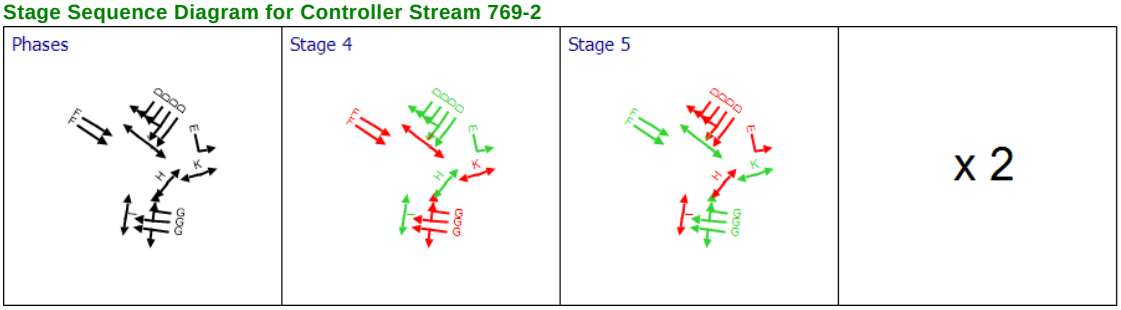
Traffic Stream Green Times

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			None		

Phases

Controller Stream	Phase	Name	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type	Blackout Time (s)
770-1	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	10, 36	1, 2	70, 96

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	101	10	29	1	5
	2	✓	2	B	17	36	19	1	7
	3		1	A,C	41	70	29	1	5
	4		2	B	77	96	19	1	7

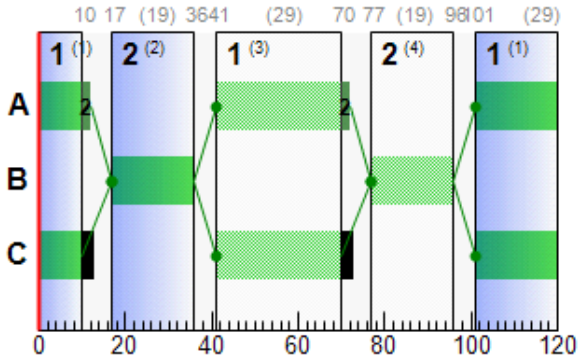
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
770-1	A	1		41	72	31
		2	✓	101	12	31
	B	1	✓	17	36	19
		2		77	96	19
	C	1		41	70	29
		2	✓	101	10	29

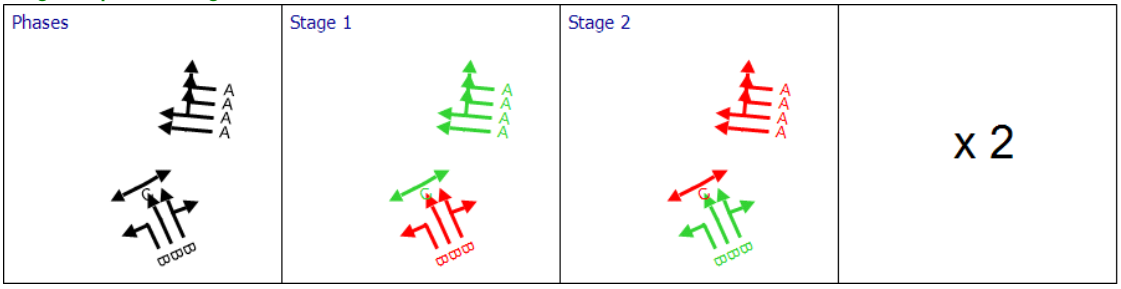
Traffic Stream Green Times

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	17	36	19	77	96	19
D	2	3	770-1	B	17	36	19	77	96	19
D	3	3	770-1	B	17	36	19	77	96	19
Dc	1	3	770-1	A	41	72	31	101	12	31
Dc	2	3	770-1	A	41	72	31	101	12	31
Dc	3	3	770-1	A	41	72	31	101	12	31
Dc	4	3	770-1	A	41	72	31	101	12	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

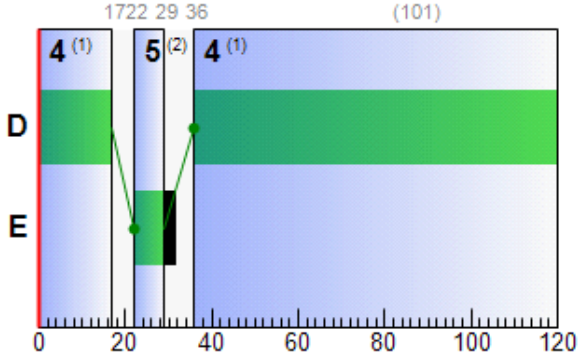
Resultant Phase Green Periods

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

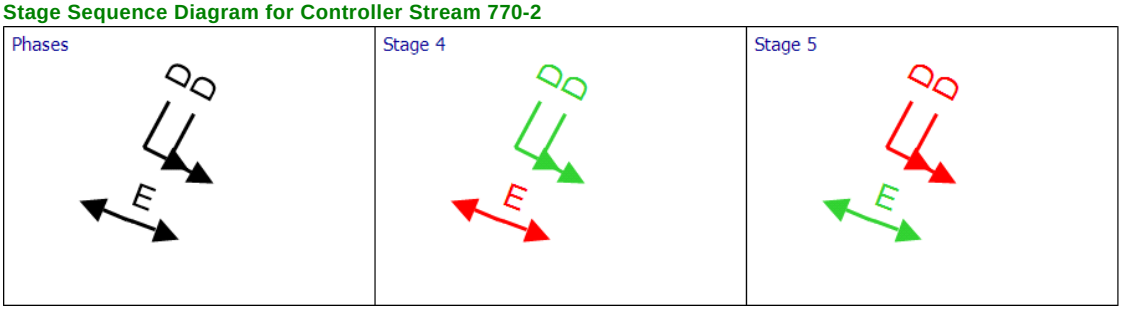
Traffic Stream Green Times

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			None		

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 770-3

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

Banned Stage transitions for Controller Stream 770-3

		To		
		7	8	9
From	7			
	8			
	9			

Interstage Matrix for Controller Stream 770-3

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

Resultant Stages

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

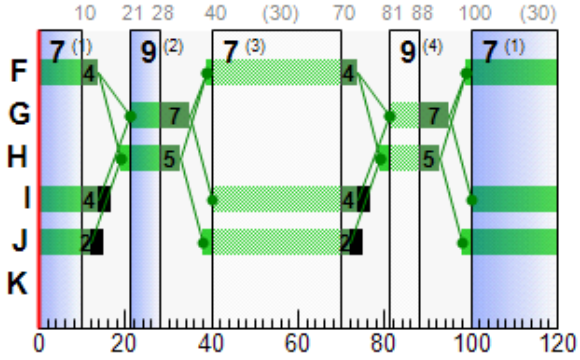
Resultant Phase Green Periods

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

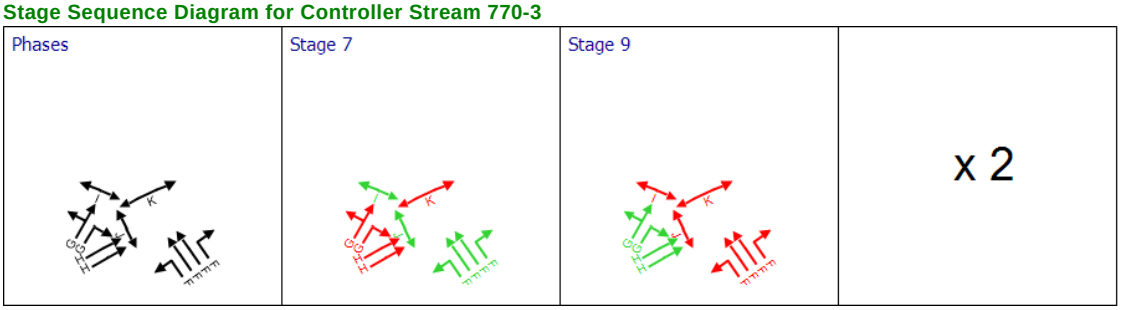
Traffic Stream Green Times

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

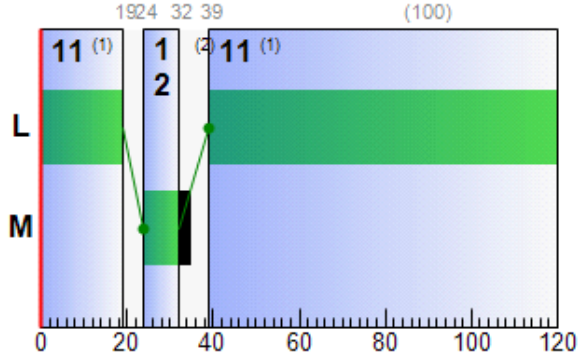
Resultant Phase Green Periods

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

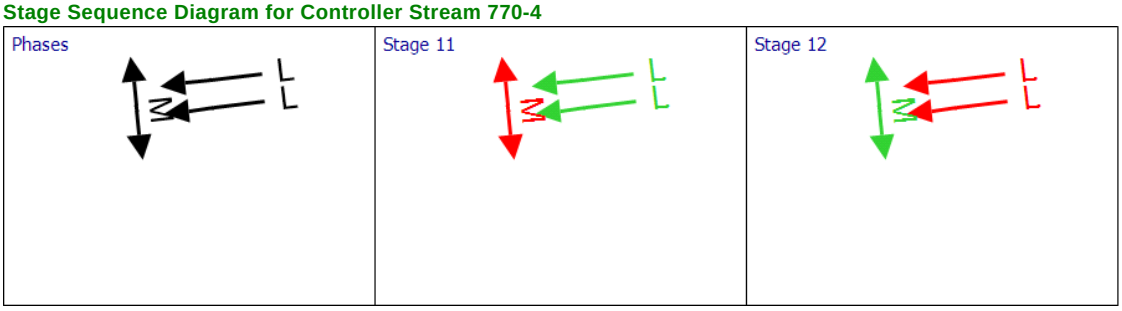
Traffic Stream Green Times

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			None		

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 771-1

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

Banned Stage transitions for Controller Stream 771-1

		To		
		1	2	3
From	1			
	2			
	3			

Interstage Matrix for Controller Stream 771-1

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

Resultant Stages

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

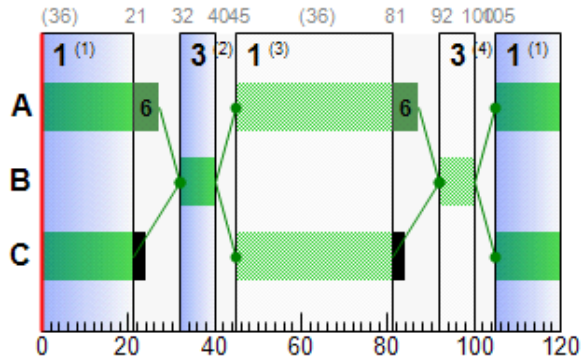
Resultant Phase Green Periods

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

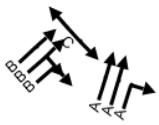
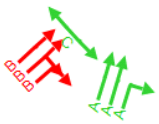
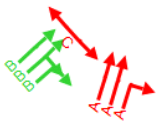
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 771-1



Stage Sequence Diagram for Controller Stream 771-1

Phases	Stage 1	Stage 3	
			x 2

Controller Stream 771-2

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

Controller Stream 771-2 - Properties

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

Controller Stream 771-2 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 771-2

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

Banned Stage transitions for Controller Stream 771-2

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

Interstage Matrix for Controller Stream 771-2

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

Resultant Stages

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

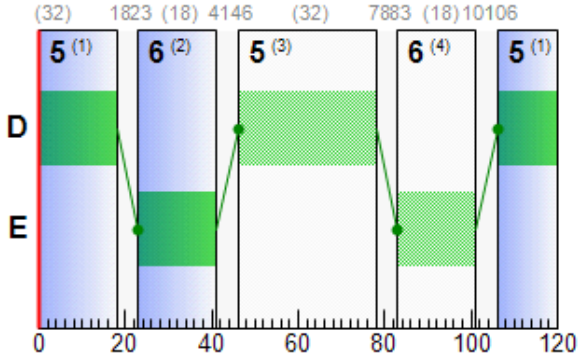
Resultant Phase Green Periods

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

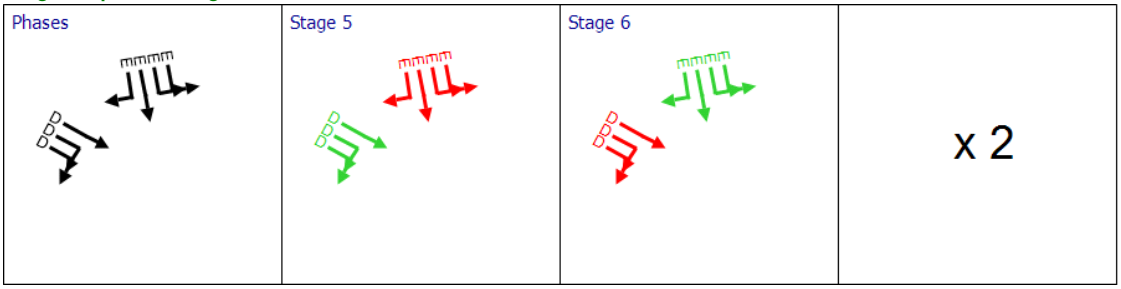
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 771-2



Stage Sequence Diagram for Controller Stream 771-2



Controller Stream TC777-1

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

Controller Stream TC777-1 - Properties

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

Controller Stream TC777-1 - Optimisation

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

Phases

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

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
	7	J, F, A	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
TC777-1	1	(untitled)	Single	1, 2, 5, 7	89, 105, 0, 12

Intergreen Matrix for Controller Stream TC777-1

		To									
		A	B	C	D	E	F	G	H	I	J
From	A				5	5			7	5	
	B			5	5	5		5			5
	C		6		5	5					6
	D	5	5	6			5				5
	E	5	5	5					8		5
	F				5						
	G		16								16
	H	6				6					
	I	5									
	J		5	5	5	5		5			

Banned Stage transitions for Controller Stream TC777-1

		To						
		1	2	3	4	5	6	7
From	1							
	2							
	3							
	4							
	5							
	6							
	7							

Interstage Matrix for Controller Stream TC777-1

		To						
		1	2	3	4	5	6	7
From	1	0	5	7	5	7	5	5
	2	16	0	16	5	7	5	16
	3	6	6	0	6	5	6	6
	4	5	6	8	0	8	5	5
	5	6	6	5	6	0	6	6
	6	5	5	8	5	8	0	5
	7	5	5	7	5	7	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)
TC777-1	1	✓	1	A,B,F	17	89	72	1	7
	2	✓	2	A,C,F,G	94	105	11	1	7
	3	✓	5	D,H,I	112	0	8	1	6
	4	✓	7	J,F,A	6	12	6	1	6

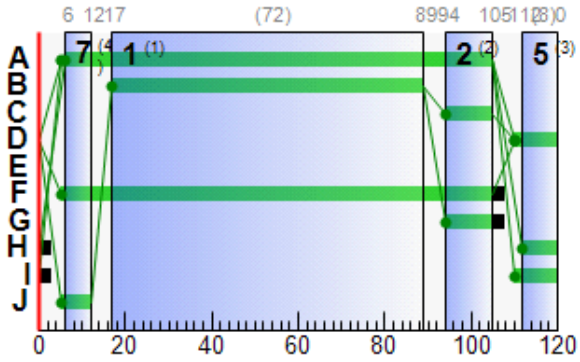
Resultant Phase Green Periods

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	✓	17	89	72
	C	1	✓	94	105	11
	D	1	✓	110	0	10
	F	1	✓	5	105	100
	G	1	✓	94	105	11
	H	1	✓	112	0	8
	I	1	✓	110	0	10
	J	1	✓	5	12	7

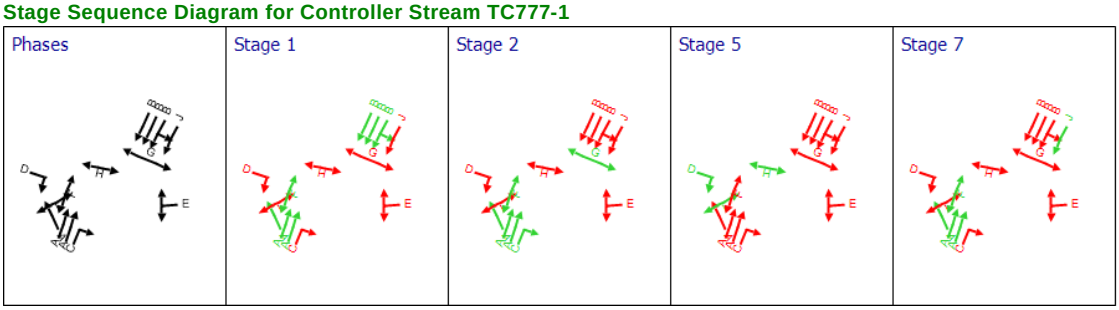
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
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	17	89	72			
TC9	2	TC771-6	TC777-1	B	17	89	72			
TC9	3	TC771-6	TC777-1	B	17	89	72			
TC35	1	TC771-6	TC777-1	A	6	105	99			
TC41	1	TC771-6	TC777-1	D	110	0	10			
TC42	1	TC771-6	TC777-1	E						
53	1	TC771-6	TC777-1	J	5	12	7			

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

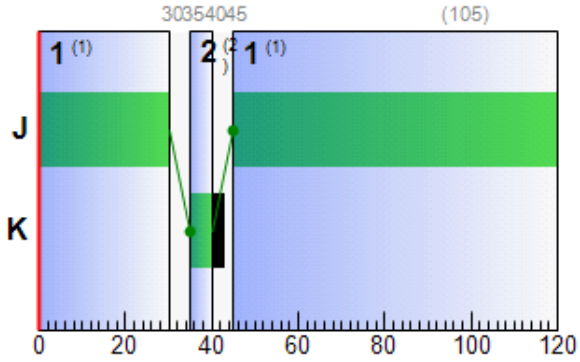
Resultant Phase Green Periods

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

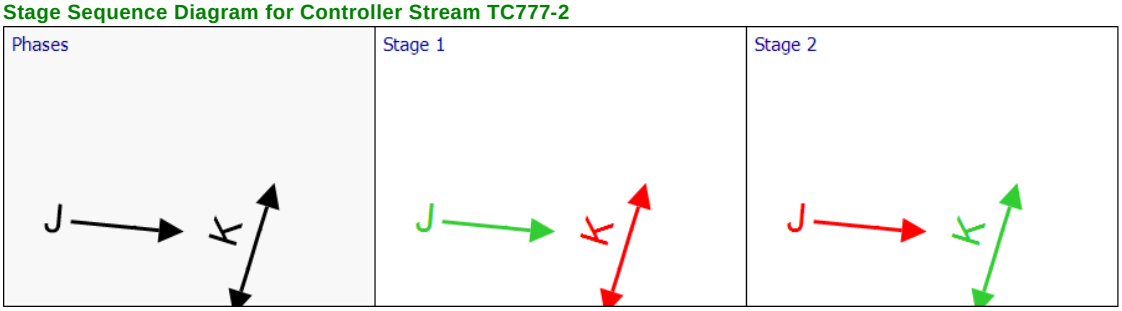
Traffic Stream Green Times

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)
	A	1	(untitled)	E	344	2050	36	649	53	70	14.94	5.12	39.49	20.53
		2	(untitled)	E	202	2050	36	649	31	189	12.31	2.67	19.95	18.07
		3	(untitled)	E	319	2050	36	649	49	83	11.72	3.81	27.85	17.62
		4	(untitled)	E	277	2050	36	649	43	111	11.15	3.32	23.79	17.18
	Ac	1	(untitled)	D	974	2263	64	1245	78	15	10.79	6.08	36.46	17.97
		2	(untitled)	D	176	2263	64	1196	15	512	0.73	1.74	10.84	10.23
		3	(untitled)	D	295	2263	64	1245	24	280	1.02	4.70	30.73	7.62
	Acf	1	(untitled)		1150	2263	120	2263	51	77	0.82	0.26	2.17	6.04
		2	(untitled)		295	2263	120	2263	13	590	0.12	0.01	0.08	7.36
	Af	1	(untitled)		546	2050	120	2050	27	238	0.32	0.05	0.51	6.89
		2	(untitled)		319	2050	120	2050	16	478	0.16	0.01	0.15	6.73
		3	(untitled)		277	2050	120	2050	14	566	0.14	0.01	0.11	6.72
	B	1	(untitled)	B	279	2050	38	683	41	120	17.26	3.40	20.63	24.36
		2	(untitled)	B	392	2150	38	709	55	63	19.52	5.20	30.78	26.81
		3	(untitled)	B	508	2100	38	689	74	22	24.91	7.30	42.11	32.39
		4	(untitled)	B	503	2050	38	683	74	22	24.88	7.75	43.53	37.17
	Bc	1	(untitled)	A	414	2050	58	1025	40	123	4.03	2.07	8.95	15.99
		2	(untitled)	A	499	2050	58	1025	49	85	6.18	2.16	9.46	18.01
		3	(untitled)	A	356	2050	58	1025	35	159	3.04	0.52	2.29	14.75
	Bcf	1	(untitled)		1318	2263	120	2263	58	55	1.11	0.41	3.72	5.26
		2	(untitled)		414	2263	120	2263	18	392	0.18	0.02	0.19	5.48
		3	(untitled)		499	2263	120	2263	22	308	0.22	0.03	0.29	5.87
		4	(untitled)		356	2263	120	2263	16	472	0.15	0.01	0.14	6.15
	Bf	1	(untitled)		671	1800	120	1800	37	141	0.59	0.11	0.28	27.93
		2	(untitled)		1011	1800	120	1800	56	60	1.28	0.36	0.90	28.69
	C	1	(untitled)	G	512	2100	30	560	91	-2	49.86	11.80	56.01	64.40
		2	(untitled)	G	564	2200	30	587	96	-6	136.01	27.38	128.65	150.69
		3	(untitled)	G	356	2050	30	547	65	38	24.91	6.52	30.17	39.83
	Cf	1	(untitled)		510	1965	120	1965	26	247	0.32	0.05	0.18	17.67
		2	(untitled)		943	1965	120	920	102	-12	119.83	45.72	180.23	137.33
		1	(untitled)	B	346	2050	38	683	51	78	27.42	4.78	49.96	31.55

	D	2	(untitled)	B	617	1850	38	617	100	-10	105.39	21.21	221.75	109.51
		3	(untitled)	B	705	2250	38	705	100	-10	97.88	22.07	213.61	102.33
	Dc	1	(untitled)	A	918	2100	62	1120	82	10	15.49	8.74	99.18	19.29
		2	(untitled)	A	751	2100	62	1120	67	34	12.10	7.49	88.43	15.75
		3	(untitled)	A	639	2100	62	932	69	31	9.64	5.77	70.96	13.15
		4	(untitled)	A	859	2100	62	1088	79	14	14.63	8.04	103.07	17.99
	Dcf	1	(untitled)		592	2050	120	2050	29	212	0.36	0.06	0.51	5.30
		2	(untitled)		1147	2100	120	1552	74	22	7.73	9.45	82.41	12.67
		3	(untitled)		751	2100	120	1695	44	103	1.60	2.40	20.10	7.09
		4	(untitled)		639	2100	120	2100	30	196	0.37	0.07	0.57	7.60
		5	(untitled)		859	2100	120	1764	49	85	4.99	9.70	83.36	10.00
	Df	1	(untitled)	B	1039	1900	103	949	109	-18	185.03	80.74	232.12	209.03
		2	(untitled)	B	740	2250	103	705	105	-14	132.58	37.58	108.04	156.58
	Dxp	1	(untitled)	D	592	2050	101	1743	34	165	0.94	1.17	14.47	4.44
		2	(untitled)	D	229	2050	101	1743	13	585	0.32	0.15	1.78	3.97
	Ec	1	(untitled)	F	587	2150	70	1290	45	98	5.61	3.47	39.85	9.36
		2	(untitled)	F	1195	2263	70	1358	88	2	14.34	9.96	118.25	17.98
		3	(untitled)	F	1106	2263	70	1358	81	10	8.06	5.80	71.27	11.56
		4	(untitled)	F	491	2250	70	1350	36	148	11.42	6.89	86.31	14.87
	Ecf	1	(untitled)		1066	2100	120	2093	51	77	0.92	4.92	61.56	4.37
		2	(untitled)		950	2100	120	2100	45	99	0.71	0.19	2.31	4.18
		3	(untitled)		1195	2263	120	1775	67	34	5.10	6.71	82.19	8.62
		4	(untitled)		1625	2300	120	2051	79	14	4.10	6.66	75.98	7.96
	Ef	1	(untitled)		834	1900	120	1900	44	105	0.74	0.17	0.77	16.05
		2	(untitled)		471	1900	120	1900	25	263	0.31	0.04	0.18	15.62
	Exp	1	(untitled)	L	1066	2050	100	1725	62	46	2.61	5.19	57.56	6.49
		2	(untitled)	L	363	2050	100	1725	21	328	0.28	2.35	25.12	4.31
07:30-08:30	F	1	(untitled)	B	307	2100	16	315	97	-8	101.85	11.27	76.12	108.23
		2	(untitled)	B	175	2100	16	315	56	62	30.72	2.92	19.61	37.15
		3	(untitled)	B	223	2100	16	315	71	27	37.66	4.11	27.11	44.20
	Fc	1	(untitled)	A	1406	2263	84	1622	87	4	8.42	7.00	21.98	27.53
		2	(untitled)	A	1150	2263	84	1478	78	16	6.69	11.55	36.60	25.42
		3	(untitled)	A	1019	2263	84	1605	63	42	5.15	16.85	53.75	24.59
	Ff	1	(untitled)		482	1900	120	1900	25	255	0.32	0.04	0.09	33.41
		2	(untitled)		223	1900	120	1900	12	667	0.13	0.01	0.02	33.17
	G	1	(untitled)	F	339	2050	28	488	70	29	45.34	6.43	23.67	61.40
		2	(untitled)	F	161	2050	28	500	32	180	41.19	2.76	10.38	52.64
	Gf	1	(untitled)		336	2050	120	2050	16	449	0.17	2.34	34.55	3.09
		2	(untitled)		135	2050	120	2049	7	1266	0.07	2.32	34.71	2.95
	xA	1	(untitled)		1494	2263	120	2165	69	30	2.27	7.73	19.36	19.50
		2	(untitled)		1340	2263	120	2210	61	48	1.26	2.78	6.96	18.51
	xB	1	(untitled)		1318	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.48
	xC	1	(untitled)		561	1900	120	1233	46	98	6.45	9.48	47.14	15.12
		2	(untitled)		334	1900	120	1390	24	275	2.93	4.71	23.33	11.63
	xD	1	(untitled)		592	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
		2	(untitled)		229	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
	xE	1	(untitled)		1066	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		363	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	xF	1	(untitled)		638	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	7.51
	Cc1	1	(untitled)	E	395	2050	64	1128	35	157	7.43	2.62	15.74	14.08
	E1	1	(untitled)	G	306	2050	28	513	60	51	24.99	4.43	31.86	30.99
		2	(untitled)	G	528	2200	28	550	96	-6	68.44	14.48	104.04	74.44
	Gf1	1	(untitled)		29	678	120	678	4	2034	1.75	0.21	2.44	5.45
	Cc2	2	(untitled)	D	524	2150	66	1201	44	106	10.87	4.89	30.68	17.92
		3	(untitled)	D	741	2050	66	1162	64	41	14.24	13.43	86.53	21.62
		4	(untitled)	D	788	2150	66	975	81	11	19.56	13.30	85.94	26.53
		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	1121	2263	99	1905	59	53	2.32	3.32	82.83	5.09
		3	(untitled)	A	1340	2263	99	1905	70	28	2.60	3.64	90.95	5.36
		4	(untitled)	C	0	1800	11	180	0	Unrestricted	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	517	1925	72	1203	43	109	12.66	8.20	51.41	23.67
		2	(untitled)	B	299	1966	72	1229	24	270	10.42	4.11	25.65	21.48
		3	(untitled)	B	265	1947	72	1217	22	313	10.18	3.64	22.56	21.30
	TC35	1	(untitled)	A	374	1900	99	1599	23	285	1.88	1.88	44.66	4.78
	TC36	1	(untitled)		67	1800	120	1800	4	2318	0.04	0.00	0.02	3.07
	TC37	1	(untitled)	J	18	1850	105	1634	1	8071	0.89	0.07	0.91	4.08
	TC38	1	(untitled)		18	246	120	246	7	1128	6.57	2.42	65.23	8.10
	TC39	2	(untitled)		1121	2263	120	2263	50	82	0.78	0.24	3.96	3.32
		3	(untitled)		1340	2263	120	2263	59	52	1.15	0.43	7.41	3.55
	TC40	2	(untitled)		1139	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		1340	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	49	1850	10	170	29	211	55.14	2.47	26.04	59.08
	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)		895	1300	120	1300	69	31	3.03	0.75	3.24	19.07
	48	1	(untitled)		1459	1965	120	1950	75	20	3.29	50.55	527.28	9.91
	49	1	(untitled)		529	1900	120	1900	28	223	0.37	0.05	1.18	3.51
		2	(untitled)		564	1900	120	1900	30	203	0.40	0.06	1.37	3.55
	50	1	(untitled)		1682	1900	120	1900	89	2	7.04	3.29	39.28	12.82
	51	1	(untitled)		705	1900	120	1900	37	143	0.56	0.11	1.68	5.05
	52	1	Dewsbury Road NB Bus Gate	A	14	1800	7	14	101	-11	438.43	1.96	5.62	462.43
	53	1		J	12	1800	7	120	10	800	54.40	0.38	2.38	65.40
	54	1		A	1318	1800	104	1575	84	8	8.97	14.04	322.97	11.22
	55	1		A	638	1800	104	1575	40	122	1.69	6.22	178.87	4.09

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)
11	1	✓	1	A	0	7	7	1	7
	2	✓	2	B	12	115	103	1	7
12	1	✓	1	A	103	87	104	1	7
	2	✓	2	B	92	98	6	1	6
13	1	✓	1	A	44	28	104	1	7
	2	✓	2	B	33	39	6	1	6
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	101	10	29	1	5
	2	✓	2	B	17	36	19	1	7
	3		1	A,C	41	70	29	1	5
	4		2	B	77	96	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	21	36	1	9
	2	✓	3	B	32	40	8	1	7
	3		1	A,C	45	81	36	1	9
	4		3	B	92	100	8	1	7
771-2	1	✓	5	D	106	18	32	1	7
	2	✓	6	E	23	41	18	1	7
	3		5	D	46	78	32	1	7
	4		6	E	83	101	18	1	7
TC777-1	1	✓	1	A,B,F	17	89	72	1	7
	2	✓	2	A,C,F,G	94	105	11	1	7
	3	✓	5	D,H,I	112	0	8	1	6
	4	✓	7	J,F,A	6	12	6	1	6
TC777-2	1	✓	1	J	45	30	105	1	7
	2	✓	2	K	35	40	5	1	5

Data Entry - Phase

Phase

Controller Stream	Phase	Phase	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type
11	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
12	A	A	7	300	0	0	Traffic
	B	B	6	300	0	0	Pedestrian
13	A	A	7	300	0	0	Traffic
	B	B	6	300	0	0	Pedestrian
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
	J	J	7	300	0	0	Traffic
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	✓	54.74	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	54.70	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	54.88	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	✓	59.42	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	✓	59.77	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	✓	100.14	NetworkDefault	0.00	Normal						100	100
Cc1	1	✓	95.84	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E1	1		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
Gf1	1	✓	49.26	NetworkDefault	0.00	Normal			✓			100	100
Cc2	2	✓	91.58	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	89.25	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	4	✓	88.96	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	5	✓	88.65	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E2	3	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
TC5	2	✓	23.03	CTM	0.00	Normal	✓	✓		Sum of lanes	2263	100	100
	3	✓	23.02	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	4	✓	24.43	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
TC9	1	✓	91.71	CTM	0.00	Normal	✓	✓		Directly entered	1925	100	100
	2	✓	92.11	CTM	0.00	Normal	✓	✓		Sum of lanes	1966	100	100
	3	✓	92.69	CTM	0.00	Normal	✓	✓		Sum of lanes	1947	100	100
TC35	1	✓	24.16	CTM	0.00	Normal	✓	✓		Directly entered	1900	100	100
TC36	1	✓	25.22	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
TC37	1	✓	44.32	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
TC38	1	✓	21.32	CTM	0.00	Normal	✓		✓	Directly entered	1850	100	100
TC39	2	✓	35.24	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	33.28	CTM	0.00	Normal	✓			Directly entered	2263	100	100
TC40	2	✓	58.74	PDM	0.00	Normal						100	100
	3	✓	55.82	PDM	0.00	Normal						100	100

TC41	**1**	✓	54.63	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
TC42	**1**	✓	23.35	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1771	100	100
TC43	**1**	✓	51.77	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
47	**1**	✓	133.63	CTM	0.00	Normal	✓			Directly entered	1300	100	100
48	**1**	✓	55.12	NetworkDefault	0.00	Normal	✓			Sum of lanes	1965	100	100
49	**1**	✓	26.24	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	26.24	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
50	**1**	✓	48.15	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
51	**1**	✓	37.47	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
52	**1**		200.00	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
53	**1**		91.71	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
54	**1**		25.00	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
55	**1**		20.00	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	100

Data entry - Link

Results - Pedestrian

Pedestrian Crossings: Pedestrian summary

Time Segment	Pedestrian crossing	Side	Calculated Flow Entering (Ped/hr)	Degree of saturation (%)	Actual green (s (per cycle))	Mean Delay Per Ped (s)	Mean max queue (Ped)
07:30-08:30	1	1	0	0	7	0.00	0.00
		2	0	0	7	0.00	0.00
	2	1	0	0	58	0.00	0.00
		2	0	0	58	0.00	0.00
	3	1	0	0	8	0.00	0.00
		2	0	0	8	0.00	0.00
	4	1	0	0	68	0.00	0.00
		2	0	0	68	0.00	0.00
	5	1	0	0	68	0.00	0.00
		2	0	0	68	0.00	0.00
	6	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	7	1	0	0	72	0.00	0.00
		2	0	0	72	0.00	0.00
	8	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	9	1	0	0	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
	18	1	0	0	6	0.00	0.00
		2	0	0	6	0.00	0.00
	19	1	0	0	6	0.00	0.00
		2	0	0	6	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	53	70	344	2050	36	14.94	5.12	39.49	20.27	5.64	25.90
		2	31	189	202	2050	36	12.31	2.67	19.95	9.81	3.15	12.96
		3	49	83	319	2050	36	11.72	3.81	27.85	14.75	4.61	19.36

		4	43	111	277	2050	36	11.15	3.32	23.79	12.18	3.88	16.06
	Ac	1	78	15	974	2263	64	10.79	6.08	36.46	41.45	9.40	50.85
		2	15	512	176	2263	64	0.73	1.74	10.84	0.51	0.44	0.95
		3	24	280	295	2263	64	1.02	4.70	30.73	1.19	1.76	2.95
	Acf	1	51	77	1150	2263	120	0.82	0.26	2.17	3.72	0.00	3.72
		2	13	590	295	2263	120	0.12	0.01	0.08	0.14	0.00	0.14
	Af	1	27	238	546	2050	120	0.32	0.05	0.51	0.69	0.00	0.69
		2	16	478	319	2050	120	0.16	0.01	0.15	0.20	0.00	0.20
		3	14	566	277	2050	120	0.14	0.01	0.11	0.15	0.00	0.15
	B	1	41	120	279	2050	38	17.26	3.40	20.63	18.99	6.54	25.53
		2	55	63	392	2150	38	19.52	5.20	30.78	30.18	9.78	39.96
		3	74	22	508	2100	38	24.91	7.30	42.11	49.92	14.00	63.92
		4	74	22	503	2050	38	24.88	7.75	43.53	49.36	5.81	55.17
	Bc	1	40	123	414	2050	58	4.03	2.07	8.95	6.59	1.10	7.69
		2	49	85	499	2050	58	6.18	2.16	9.46	12.17	2.69	14.86
		3	35	159	356	2050	58	3.04	0.52	2.29	4.27	0.69	4.96
	Bcf	1	58	55	1318	2263	120	1.11	0.41	3.72	5.76	0.00	5.76
		2	18	392	414	2263	120	0.18	0.02	0.19	0.29	0.00	0.29
		3	22	308	499	2263	120	0.22	0.03	0.29	0.44	0.00	0.44
		4	16	472	356	2263	120	0.15	0.01	0.14	0.21	0.00	0.21
	Bf	1	37	141	671	1800	120	0.59	0.11	0.28	1.57	0.00	1.57
		2	56	60	1011	1800	120	1.28	0.36	0.90	5.10	0.00	5.10
	C	1	91	-2	512	2100	30	49.86	11.80	56.01	100.70	8.53	109.23
		2	96	-6	564	2200	30	136.01	27.38	128.65	302.80	17.70	320.49
		3	65	38	356	2050	30	24.91	6.52	30.17	34.94	4.90	39.83
	Cf	1	26	247	510	1965	120	0.32	0.05	0.18	0.64	0.02	0.66
		2	102	-12	943	1965	120	119.83	45.72	180.23	445.49	24.59	470.08
	D	1	51	78	346	2050	38	27.42	4.78	49.96	37.46	9.04	46.51
		2	100	-10	617	1850	38	105.39	21.21	221.75	256.35	26.89	283.24
		3	100	-10	705	2250	38	97.88	22.07	213.61	272.36	27.45	299.81
	Dc	1	82	10	918	2100	62	15.49	8.74	99.18	56.08	16.72	72.79
		2	67	34	751	2100	62	12.10	7.49	88.43	35.86	14.41	50.27
		3	69	31	639	2100	62	9.64	5.77	70.96	24.30	10.66	34.96
		4	79	14	859	2100	62	14.63	8.04	103.07	49.54	16.11	65.65
	Dcf	1	29	212	592	2050	120	0.36	0.06	0.51	0.83	0.00	0.83
		2	74	22	1147	2100	120	7.73	9.45	82.41	34.96	16.18	51.14
		3	44	103	751	2100	120	1.60	2.40	20.10	4.74	3.05	7.79
		4	30	196	639	2100	120	0.37	0.07	0.57	0.94	0.00	0.94
		5	49	85	859	2100	120	4.99	9.70	83.36	16.89	12.12	29.01
	Df	1	109	-18	1039	1900	103	185.03	80.74	232.12	758.29	25.21	783.51
		2	105	-14	740	2250	103	132.58	37.58	108.04	387.00	15.77	402.76
	Dxp	1	34	165	592	2050	101	0.94	1.17	14.47	2.20	0.99	3.19
		2	13	585	229	2050	101	0.32	0.15	1.78	0.29	0.13	0.42
	Ec	1	45	98	587	2150	70	5.61	3.47	39.85	12.97	6.72	19.69
		2	88	2	1195	2263	70	14.34	9.96	118.25	67.58	18.93	86.51
		3	81	10	1106	2263	70	8.06	5.80	71.27	35.15	11.05	46.20
		4	36	148	491	2250	70	11.42	6.89	86.31	22.11	13.21	35.32
	Ecf	1	51	77	1066	2100	120	0.92	4.92	61.56	3.88	0.69	4.57
		2	45	99	950	2100	120	0.71	0.19	2.31	2.65	0.00	2.65
		3	67	34	1195	2263	120	5.10	6.71	82.19	24.05	11.88	35.93
		4	79	14	1625	2300	120	4.10	6.66	75.98	26.27	8.62	34.89
	Ef	1	44	105	834	1900	120	0.74	0.17	0.77	2.44	0.00	2.44
		2	25	263	471	1900	120	0.31	0.04	0.18	0.58	0.00	0.58
	Exp	1	62	46	1066	2050	100	2.61	5.19	57.56	10.96	3.85	14.81
		2	21	328	363	2050	100	0.28	2.35	25.12	0.41	0.09	0.50
07:30-08:30	F	1	97	-8	307	2100	16	101.85	11.27	76.12	123.33	18.17	141.50
		2	56	62	175	2100	16	30.72	2.92	19.61	21.20	5.59	26.80
		3	71	27	223	2100	16	37.66	4.11	27.11	33.12	7.84	40.96

	Fc	1	87	4	1406	2263	84	8.42	7.00	21.98	46.70	6.80	53.50
		2	78	16	1150	2263	84	6.69	11.55	36.60	30.35	7.80	38.15
		3	63	42	1019	2263	84	5.15	16.85	53.75	20.68	9.91	30.59
	Ff	1	25	255	482	1900	120	0.32	0.04	0.09	0.61	0.00	0.61
		2	12	667	223	1900	120	0.13	0.01	0.02	0.11	0.00	0.11
	G	1	70	29	339	2050	28	45.34	6.43	23.67	60.60	6.69	67.29
		2	32	180	161	2050	28	41.19	2.76	10.38	26.12	5.66	31.78
	Gf	1	16	449	336	2050	120	0.17	2.34	34.55	0.23	0.04	0.27
		2	7	1266	135	2050	120	0.07	2.32	34.71	0.04	0.02	0.06
	xA	1	69	30	1494	2263	120	2.27	7.73	19.36	13.39	4.63	18.02
		2	61	48	1340	2263	120	1.26	2.78	6.96	6.68	0.64	7.31
	xB	1	0	Unrestricted	1318	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	46	98	561	1900	120	6.45	9.48	47.14	14.28	10.33	24.61
		2	24	275	334	1900	120	2.93	4.71	23.33	3.86	4.83	8.70
	xD	1	0	Unrestricted	592	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	229	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	0	Unrestricted	1066	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	363	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	0	Unrestricted	638	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	35	157	395	2050	64	7.43	2.62	15.74	11.58	4.59	16.17
	E1	1	60	51	306	2050	28	24.99	4.43	31.86	30.17	8.52	38.69
		2	96	-6	528	2200	28	68.44	14.48	104.04	142.55	25.53	168.08
	Gf1	1	4	2034	29	678	120	1.75	0.21	2.44	0.20	0.29	0.49
	Cc2	2	44	106	524	2150	66	10.87	4.89	30.68	22.47	9.68	32.14
		3	64	41	741	2050	66	14.24	13.43	86.53	41.62	17.26	58.88
		4	81	11	788	2150	66	19.56	13.30	85.94	60.80	23.55	84.36
		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	34.78	9.61	44.39
		4	26	242	135	2050	28	19.34	2.37	25.04	10.30	3.34	13.64
	TC5	2	59	53	1121	2263	99	2.32	3.32	82.83	10.26	1.25	11.51
		3	70	28	1340	2263	99	2.60	3.64	90.95	13.75	1.36	15.11
		4	0	Unrestricted	0	1800	11	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	43	109	517	1925	72	12.66	8.20	51.41	25.83	3.08	28.91
		2	24	270	299	1966	72	10.42	4.11	25.65	12.29	1.55	13.84
		3	22	313	265	1947	72	10.18	3.64	22.56	10.64	1.37	12.01
	TC35	1	23	285	374	1900	99	1.88	1.88	44.66	2.77	0.72	3.49
	TC36	1	4	2318	67	1800	120	0.04	0.00	0.02	0.01	0.00	0.01
	TC37	1	1	8071	18	1850	105	0.89	0.07	0.91	0.06	0.07	0.14
	TC38	1	7	1128	18	246	120	6.57	2.42	65.23	0.47	0.35	0.81
	TC39	2	50	82	1121	2263	120	0.78	0.24	3.96	3.44	0.00	3.44
		3	59	52	1340	2263	120	1.15	0.43	7.41	6.09	0.00	6.09
	TC40	2	0	Unrestricted	1139	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		3	0	Unrestricted	1340	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	TC41	1	29	211	49	1850	10	55.14	2.47	26.04	10.66	1.61	12.27
	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	69	31	895	1300	120	3.03	0.75	3.24	10.71	0.00	10.71
	48	1	75	20	1459	1965	120	3.29	50.55	527.28	18.95	0.47	19.43
	49	1	28	223	529	1900	120	0.37	0.05	1.18	0.76	0.00	0.76
		2	30	203	564	1900	120	0.40	0.06	1.37	0.89	0.00	0.89
	50	1	89	2	1682	1900	120	7.04	3.29	39.28	46.71	0.00	46.71
	51	1	37	143	705	1900	120	0.56	0.11	1.68	1.55	0.00	1.55
	52	1	101	-11	14	1800	7	438.43	1.96	5.62	24.21	0.45	24.66
	53	1	10	800	12	1800	7	54.40	0.38	2.38	2.57	0.14	2.72
	54	1	84	8	1318	1800	104	8.97	14.04	322.97	46.62	17.82	64.44
	55	1	40	122	638	1800	104	1.69	6.22	178.87	4.25	1.87	6.13

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	344	344	0		2050	649	53		70	0.73	36
		2	202	202	0		2050	649	31		189	0.75	36
		3	319	319	-3		2050	649	49		83	0.74	36
		4	277	277	-1		2050	649	43		111	0.73	36
	Ac	1	974	974	24	✓	2263	1245	78		15	1.05	64
		2	176	176	0		2263	1196	15		512	1.66	64
		3	295	295	-2		2263	1245	24		280	1.25	64
	Acf	1	1150	1150	24	✓	2263	2263	51		77	0.88	120
		2	295	295	-2		2263	2263	13		590	1.25	120
	Af	1	546	546	0		2050	2050	27		238	0.73	120
		2	319	319	-3		2050	2050	16		478	0.74	120
		3	277	277	-1		2050	2050	14		566	0.73	120
	B	1	279	279	0		2050	683	41		120	0.00	38
		2	392	392	0		2150	709	55		63	0.00	38
		3	508	508	0		2100	689	74		22	0.00	38
		4	503	503	0		2050	683	74		22	0.00	38
	Bc	1	414	414	0		2050	1025	40		123	1.29	58
		2	499	499	-4		2050	1025	49		85	1.03	58
		3	356	356	-1		2050	1025	35		159	1.31	58
	Bcf	1	1318	1318	24	✓	2263	2263	58		55	0.64	120
		2	414	414	0		2263	2263	18		392	1.29	120
		3	499	499	-4		2263	2263	22		308	1.03	120
		4	356	356	-1		2263	2263	16		472	1.31	120
	Bf	1	671	671	0		1800	1800	37		141	0.00	120
		2	1011	1011	0		1800	1800	56		60	0.00	120
	C	1	512	512	0		2100	560	91	✓	-2	0.00	30
		2	564	564	17	✓	2200	587	96	✓	-6	0.99	30
		3	356	356	10	✓	2050	547	65		38	0.99	30
	Cf	1	510	512	2	✓	1965	1965	26		247	0.01	120
		2	943	920	4	✓	1965	920	102	✓	-12	0.01	120
	D	1	346	346	33	✓	2050	683	51		78	0.88	38
		2	617	617	57	✓	1850	617	100	✓	-10	0.86	38
		3	705	705	35	✓	2250	705	100	✓	-10	1.04	38
	Dc	1	918	918	-1		2100	1120	82		10	0.71	62
		2	751	751	10	✓	2100	1120	67		34	0.79	62
		3	639	639	5	✓	2100	932	69		31	0.76	62
		4	859	859	10	✓	2100	1088	79		14	0.90	62
	Dcf	1	592	592	-2		2050	2050	29		212	1.02	120
		2	1147	1147	-3		2100	1552	74		22	0.56	120
		3	751	751	10	✓	2100	1695	44		103	0.70	120
		4	639	639	5	✓	2100	2100	30		196	0.76	120
		5	859	859	10	✓	2100	1764	49		85	1.13	120
	Df	1	1039	949	0		1900	949	109	✓	-18	0.00	103
		2	740	705	0		2250	705	105	✓	-14	0.00	103
	Dxp	1	592	592	-2		2050	1743	34		165	0.93	101
		2	229	229	-1		2050	1743	13		585	1.08	101
	Ec	1	587	587	26	✓	2150	1290	45		98	0.86	70
		2	1195	1195	56	✓	2263	1358	88		2	0.66	70
		3	1106	1106	26	✓	2263	1358	81		10	0.71	70
		4	491	491	23	✓	2250	1350	36		148	1.06	70
	Ecf	1	1066	1066	13	✓	2100	2093	51		77	0.72	120
		2	950	950	29	✓	2100	2100	45		99	0.81	120
		3	1195	1195	56	✓	2263	1775	67		34	0.55	120
		4	1625	1625	51	✓	2300	2051	79		14	0.48	120

07:30-08:30	Ef	1	834	834	-1		1900	1900	44		105	0.00	120
		2	471	471	0		1900	1900	25		263	0.00	120
	Exp	1	1066	1066	13	✓	2050	1725	62		46	0.72	100
		2	363	363	2	✓	2050	1725	21		328	1.23	100
	F	1	307	307	0		2100	315	97	✓	-8	0.00	16
		2	175	175	0		2100	315	56		62	0.00	16
		3	223	223	-1		2100	315	71		27	0.00	16
	Fc	1	1406	1406	56	✓	2263	1622	87		4	0.63	84
		2	1150	1150	26	✓	2263	1478	78		16	0.86	84
		3	1019	1019	22	✓	2263	1605	63		42	1.02	84
	Ff	1	482	482	0		1900	1900	25		255	0.00	120
		2	223	223	-1		1900	1900	12		667	0.00	120
	G	1	339	339	0		2050	488	70		29	1.49	28
		2	161	161	1	✓	2050	500	32		180	1.41	28
	Gf	1	336	336	0		2050	2050	16		449	1.50	120
		2	135	135	0		2050	2049	7		1266	1.50	120
	xA	1	1494	1494	42	✓	2263	2165	69		30	0.45	120
		2	1340	1340	40	✓	2263	2210	61		48	0.75	120
	xB	1	1318	1318	24	✓	Unrestricted	Unrestricted	0		Unrestricted	0.41	120
	xC	1	561	561	0		1900	1233	46		98	1.15	120
		2	334	334	1	✓	1900	1390	24		275	1.25	120
	xD	1	592	592	-2		Unrestricted	Unrestricted	0		Unrestricted	0.84	120
		2	229	229	-1		Unrestricted	Unrestricted	0		Unrestricted	0.95	120
	xE	1	1066	1066	13	✓	Unrestricted	Unrestricted	0		Unrestricted	0.60	120
		2	363	363	2	✓	Unrestricted	Unrestricted	0		Unrestricted	1.02	120
	xF	1	638	638	26	✓	Unrestricted	Unrestricted	0		Unrestricted	0.77	120
	Cc1	1	395	395	0		2050	1128	35		157	1.14	64
	E1	1	306	306	0		2050	513	60		51	0.00	28
		2	528	528	-1		2200	550	96	✓	-6	0.00	28
	Gf1	1	29	29	1	✓	678	678	4		2034	1.10	120
	Cc2	2	524	524	-2		2150	1201	44		106	0.94	66
		3	741	741	-1		2050	1162	64		41	1.05	66
		4	788	788	-4		2150	975	81		11	0.89	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	1121	1121	37	✓	2263	1905	59		53	0.49	99
		3	1340	1340	40	✓	2263	1905	70		28	0.75	99
		4	0	0	0		1800	180	0		Unrestricted	0.00	11
	TC9	1	517	517	0		1925	1203	43		109	0.00	72
		2	299	299	-1		1966	1229	24		270	0.00	72
		3	265	265	0		1947	1217	22		313	0.00	72
	TC35	1	374	374	4	✓	1900	1599	23		285	0.71	99
	TC36	1	67	67	-3		1800	1800	4		2318	0.00	120
	TC37	1	18	18	0		1850	1634	1		8071	0.00	105
	TC38	1	18	18	0		246	246	7		1128	0.23	120
	TC39	2	1121	1121	37	✓	2263	2263	50		82	0.56	120
		3	1340	1340	40	✓	2263	2263	59		52	0.78	120
	TC40	2	1139	1139	37	✓	Unrestricted	Unrestricted	0		Unrestricted	0.48	120
		3	1340	1340	40	✓	Unrestricted	Unrestricted	0		Unrestricted	0.68	120
	TC41	1	49	49	-3		1850	170	29		211	0.00	10
	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	895	895	1	✓	1300	1300	69		31	0.56	120
	48	1	1459	1452	0		1965	1950	75		20	0.00	120
	49	1	529	529	0		1900	1900	28		223	0.00	120
		2	564	564	-1		1900	1900	30		203	0.00	120
	50	1	1682	1682	0		1900	1900	89		2	0.00	120

	51	**1**	705	705	-1		1900	1900	37		143	0.00	120
	52	**1**	14	14	0		1800	14	101	✓	-11	0.00	7
	53	**1**	12	12	0		1800	120	10		800	0.00	7
	54	**1**	1318	1318	24	✓	1800	1575	84		8	0.55	104
	55	**1**	638	638	26	✓	1800	1575	40		122	0.85	104

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	14.94	1.43	20.27	51.04	175.57	5.64
		2	5.77	12.31	0.69	9.81	48.62	98.21	3.15
		3	5.90	11.72	1.04	14.75	45.02	143.60	4.61
		4	6.03	11.15	0.86	12.18	43.59	120.73	3.88
	Ac	**1**	7.19	10.79	2.92	41.45	30.08	292.96	9.40
		2	9.50	0.73	0.04	0.51	14.80	26.05	0.44
		3	6.60	1.02	0.08	1.19	18.60	54.86	1.76
	Acf	**1**	5.22	0.82	0.26	3.72	0.00	0.00	0.00
		2	7.24	0.12	0.01	0.14	0.00	0.00	0.00
	Af	**1**	6.57	0.32	0.05	0.69	0.00	0.00	0.00
		2	6.56	0.16	0.01	0.20	0.00	0.00	0.00
		3	6.59	0.14	0.01	0.15	0.00	0.00	0.00
	B	**1**	7.10	17.26	1.34	18.99	72.98	203.62	6.54
		2	7.29	19.52	2.13	30.18	77.73	304.70	9.78
		3	7.48	24.91	3.52	49.92	85.84	436.06	14.00
		4	12.29	24.88	3.48	49.36	92.13	463.41	5.81
	Bc	**1**	11.96	4.03	0.46	6.59	11.91	49.32	1.10
		2	11.83	6.18	0.86	12.17	24.18	120.66	2.69
		3	11.71	3.04	0.30	4.27	8.73	31.07	0.69
	Bcf	**1**	4.15	1.11	0.41	5.76	0.00	0.00	0.00
		2	5.30	0.18	0.02	0.29	0.00	0.00	0.00
		3	5.64	0.22	0.03	0.44	0.00	0.00	0.00
		4	6.00	0.15	0.01	0.21	0.00	0.00	0.00
	Bf	**1**	27.34	0.59	0.11	1.57	0.00	0.00	0.00
		2	27.41	1.28	0.36	5.10	0.00	0.00	0.00
	C	**1**	14.54	49.86	7.09	100.70	132.88	680.36	8.53
		2	14.68	136.01	21.32	302.80	250.08	1411.48	17.70
		3	14.92	24.91	2.46	34.94	109.84	390.56	4.90
	Cf	**1**	17.35	0.32	0.05	0.64	0.23	1.20	0.02
		2	17.50	119.83	31.37	445.49	213.14	1960.84	24.59
	D	**1**	4.13	27.42	2.64	37.46	81.33	281.72	9.04
		2	4.13	105.39	18.05	256.35	135.85	837.75	26.89
		3	4.46	97.88	19.18	272.36	121.21	855.08	27.45
	Dc	**1**	3.80	15.49	3.95	56.08	56.73	520.75	16.72
		2	3.65	12.10	2.53	35.86	59.74	448.84	14.41
		3	3.51	9.64	1.71	24.30	51.95	332.02	10.66
		4	3.36	14.63	3.49	49.54	58.45	501.86	16.11
	Dcf	**1**	4.95	0.36	0.06	0.83	0.00	0.00	0.00
		2	4.94	7.73	2.46	34.96	43.94	503.94	16.18
		3	5.49	1.60	0.33	4.74	13.58	102.04	3.05
		4	7.22	0.37	0.07	0.94	0.00	0.00	0.00
		5	5.02	4.99	1.19	16.89	43.98	377.59	12.12
	Df	**1**	24.00	185.03	53.40	758.29	211.85	2010.68	25.21
		2	24.00	132.58	27.25	387.00	178.25	1257.49	15.77
	Dxp	**1**	3.50	0.94	0.16	2.20	5.18	30.69	0.99
		2	3.65	0.32	0.02	0.29	1.76	4.04	0.13
	Ec	**1**	3.76	5.61	0.91	12.97	35.66	209.22	6.72
		2	3.63	14.34	4.76	67.58	49.36	589.66	18.93
		3	3.51	8.06	2.48	35.15	31.13	344.33	11.05

		4	3.44	11.42	1.56	22.11	83.91	411.68	13.21
	Ecf	1	3.45	0.92	0.27	3.88	2.02	21.59	0.69
		2	3.48	0.71	0.19	2.65	0.00	0.00	0.00
		3	3.52	5.10	1.69	24.05	30.97	369.97	11.88
		4	3.86	4.10	1.85	26.27	16.90	274.71	8.62
	Ef	1	15.31	0.74	0.17	2.44	0.00	0.00	0.00
		2	15.31	0.31	0.04	0.58	0.00	0.00	0.00
	Exp	1	3.89	2.61	0.77	10.96	11.24	119.79	3.85
		2	4.03	0.28	0.03	0.41	0.76	2.74	0.09
07:30-08:30	F	1	6.38	101.85	8.69	123.33	184.43	566.19	18.17
		2	6.43	30.72	1.49	21.20	99.53	174.18	5.59
		3	6.54	37.66	2.33	33.12	109.47	244.11	7.84
	Fc	1	19.11	8.42	3.29	46.70	29.07	408.57	6.80
		2	18.73	6.69	2.14	30.35	40.01	460.10	7.80
		3	19.44	5.15	1.46	20.68	62.32	634.79	9.91
	Ff	1	33.09	0.32	0.04	0.61	0.00	0.00	0.00
		2	33.05	0.13	0.01	0.11	0.00	0.00	0.00
	G	1	16.06	45.34	4.27	60.60	115.66	391.94	6.69
		2	11.45	41.19	1.84	26.12	109.74	176.39	5.66
	Gf	1	2.92	0.17	0.02	0.23	0.37	1.24	0.04
		2	2.88	0.07	0.00	0.04	0.57	0.77	0.02
	xA	1	17.22	2.27	0.94	13.39	9.65	144.26	4.63
		2	17.25	1.26	0.47	6.68	1.48	19.88	0.64
	xB	1	4.48	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	8.67	6.45	1.01	14.28	57.40	321.94	10.33
		2	8.70	2.93	0.27	3.86	45.13	150.61	4.83
	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	7.51	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	6.65	7.43	0.82	11.58	30.18	119.21	4.59
	E1	1	6.00	24.99	2.12	30.17	86.74	265.42	8.52
		2	6.00	68.44	10.04	142.55	150.64	795.35	25.53
	Gf1	1	3.69	1.75	0.01	0.20	31.60	9.04	0.29
	Cc2	2	7.06	10.87	1.58	22.47	56.86	297.94	9.68
		3	7.38	14.24	2.93	41.62	83.04	615.35	17.26
		4	6.96	19.56	4.28	60.80	94.87	747.54	23.55
		5	7.98	16.88	2.36	33.49	104.39	525.06	11.70
	E2	3	4.00	26.25	2.45	34.78	89.07	299.26	9.61
		4	4.07	19.34	0.73	10.30	77.08	104.06	3.34
	TC5	2	2.76	2.32	0.72	10.26	8.88	99.49	1.25
		3	2.76	2.60	0.97	13.75	8.07	108.19	1.36
		4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	11.00	12.66	1.82	25.83	47.54	245.76	3.08
		2	11.05	10.42	0.87	12.29	41.23	123.26	1.55
		3	11.12	10.18	0.75	10.64	41.18	109.12	1.37
	TC35	1	2.90	1.88	0.19	2.77	15.30	57.18	0.72
	TC36	1	3.03	0.04	0.00	0.01	0.00	0.00	0.00
	TC37	1	3.19	0.89	0.00	0.06	11.68	2.10	0.07
	TC38	1	1.53	6.57	0.03	0.47	55.35	9.96	0.35
	TC39	2	2.54	0.78	0.24	3.44	0.00	0.00	0.00
		3	2.40	1.15	0.43	6.09	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	55.14	0.75	10.66	94.38	46.24	1.61
	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	3.03	0.75	10.71	0.00	0.00	0.00
	48	1	6.61	3.29	1.33	18.95	2.61	37.83	0.47
	49	1	3.15	0.37	0.05	0.76	0.00	0.00	0.00
		2	3.15	0.40	0.06	0.89	0.00	0.00	0.00
	50	1	5.78	7.04	3.29	46.71	0.00	0.00	0.00
	51	1	4.50	0.56	0.11	1.55	0.00	0.00	0.00
	52	1	24.00	438.43	1.71	24.21	259.09	36.07	0.45
	53	1	11.01	54.40	0.18	2.57	93.73	11.25	0.14
	54	1	2.25	8.97	3.28	46.62	60.65	799.39	17.82
	55	1	2.40	1.69	0.30	4.25	23.43	149.43	1.87

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	5.12	12.96	39.49	0.00	4.00	
		2	0.00	2.67	13.37	19.95	0.00	4.00	
		3	0.00	3.81	13.67	27.85	0.00	3.00	
		4	0.00	3.32	13.97	23.79	0.00	5.00	
	Ac	1	0.00	6.08	16.66	36.46	0.00	10.00	
		2	0.00	1.74	16.06	10.84	0.00	48.56	
		3	0.00	4.70	15.30	30.73	0.00	20.00	
	Acf	1	0.00	0.26	12.10	2.17	0.00	36.00	
		2	0.00	0.01	12.25	0.08	0.00	72.00	
	Af	1	0.00	0.05	9.52	0.51	0.00	41.00	
		2	0.00	0.01	9.51	0.15	0.00	41.00	
		3	0.00	0.01	9.54	0.11	0.00	41.00	
	B	1	0.00	3.40	16.46	20.63	0.00	0.00	
		2	0.00	5.20	16.90	30.78	0.00	0.42	
		3	0.00	7.30	17.34	42.11	0.00	0.62	
		4	0.00	7.75	17.81	43.53	0.00	0.00	
	Bc	1	0.00	2.07	23.10	8.95	0.00	12.00	
		2	0.00	2.16	22.87	9.46	0.00	11.00	
		3	0.00	0.52	22.63	2.29	0.00	17.00	
	Bcf	1	0.00	0.41	10.90	3.72	0.00	82.00	
		2	0.00	0.02	10.98	0.19	0.00	66.00	
		3	0.00	0.03	10.84	0.29	0.00	39.00	
		4	0.00	0.01	10.83	0.14	0.00	71.00	
	Bf	1	0.00	0.11	39.62	0.28	0.00	0.00	
		2	0.00	0.36	39.73	0.90	0.00	0.00	
	C	1	0.00	11.80	21.07	56.01	0.00	0.00	
		2	0.00	27.38	21.28	128.65	0.00	0.00	
		3	0.00	6.52	21.63	30.17	0.00	10.00	
	Cf	1	0.00	0.05	25.15	0.18	0.00	0.00	
		2	0.00	45.72	25.37	180.23	0.00	63.82	
	D	1	0.00	4.78	9.57	49.96	0.00	4.00	
		2	0.00	21.21	9.57	221.75	0.00	0.00	
		3	0.00	22.07	10.33	213.61	0.00	2.38	
	Dc	1	0.00	8.74	8.81	99.18	0.00	2.02	
		2	0.00	7.49	8.47	88.43	0.00	1.00	
		3	0.00	5.77	8.14	70.96	0.00	10.73	
		4	0.00	8.04	7.80	103.07	0.00	13.85	
	Dcf	1	0.00	0.06	11.47	0.51	0.00	30.00	
		2	0.00	9.45	11.46	82.41	0.00	49.30	
		3	0.00	2.40	11.93	20.10	0.00	46.17	
		4	0.00	0.07	11.60	0.57	0.00	29.00	
		5	0.00	9.70	11.64	83.36	0.00	67.17	
	Df	1	0.00	80.74	34.78	232.12	0.00	44.06	
		2	0.00	37.58	34.78	108.04	0.00	66.38	

07:30-08:30	Dxp	1	0.00	1.17	8.11	14.47	0.00	17.00	
		2	0.00	0.15	8.46	1.78	0.00	47.00	
	Ec	1	0.00	3.47	8.71	39.85	0.00	21.00	
		2	0.00	9.96	8.42	118.25	0.00	0.00	
		3	0.00	5.80	8.13	71.27	0.00	4.00	
		4	0.00	6.89	7.99	86.31	0.00	32.00	
	Ecf	1	0.00	4.92	7.99	61.56	0.00	24.39	
		2	0.00	0.19	8.06	2.31	0.00	21.00	
		3	0.00	6.71	8.16	82.19	0.00	33.86	
		4	0.00	6.66	8.76	75.98	0.00	33.00	
	Ef	1	0.00	0.17	22.18	0.77	0.00	0.00	
		2	0.00	0.04	22.18	0.18	0.00	0.00	
	Exp	1	0.00	5.19	9.01	57.56	0.00	17.00	
		2	0.00	2.35	9.34	25.12	0.00	53.00	
	F	1	0.00	11.27	14.80	76.12	0.00	0.00	
		2	0.00	2.92	14.91	19.61	0.00	0.00	
		3	0.00	4.11	15.17	27.11	0.00	0.00	
	Fc	1	0.00	7.00	31.86	21.98	0.00	6.00	
		2	0.00	11.55	31.56	36.60	0.00	22.64	
		3	0.00	16.85	31.35	53.75	0.00	20.90	
	Ff	1	0.00	0.04	47.95	0.09	0.00	0.00	
		2	0.00	0.01	47.89	0.02	0.00	0.00	
	G	1	0.00	6.43	27.16	23.67	0.00	9.46	
		2	0.00	2.76	26.54	10.38	0.00	18.73	
	Gf	1	0.00	2.34	6.76	34.55	0.00	90.01	
		2	0.00	2.32	6.69	34.71	0.00	90.04	
	xA	1	0.00	7.73	39.94	19.36	0.00	24.19	
		2	0.00	2.78	39.99	6.96	0.00	31.81	
	xB	1	0.00	0.00	10.39	0.00	0.00	10.00	
	xC	1	0.00	9.48	20.10	47.14	0.00	57.15	
		2	0.00	4.71	20.17	23.33	0.00	66.24	
	xD	1	0.00	0.00	21.17	0.00	0.00	16.00	
		2	0.00	0.00	21.35	0.00	0.00	55.00	
	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	53.00	
	xF	1	0.00	0.00	17.42	0.00	0.00	16.00	
	Cc1	1	0.00	2.62	16.67	15.74	0.00	14.00	
	E1	1	0.00	4.43	13.91	31.86	0.00	0.00	
		2	0.00	14.48	13.91	104.04	0.00	0.00	
	Gf1	1	0.00	0.21	8.57	2.44	0.00	88.00	
	Cc2	2	0.00	4.89	15.93	30.68	0.00	10.98	
		3	0.00	13.43	15.52	86.53	0.00	9.00	
		4	0.00	13.30	15.47	85.94	0.00	21.57	
		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	3.32	4.01	82.83	0.00	11.00	
		3	0.00	3.64	4.00	90.95	0.00	21.00	
		4	0.00	0.00	4.25	0.00	0.00	12.00	
	TC9	1	0.00	8.20	15.95	51.41	0.00	0.00	
		2	0.00	4.11	16.02	25.65	0.00	0.00	
		3	0.00	3.64	16.12	22.56	0.00	0.00	
	TC35	1	0.00	1.88	4.20	44.66	0.00	14.00	
	TC36	1	0.00	0.00	4.39	0.02	0.00	0.00	
	TC37	1	0.00	0.07	7.71	0.91	0.00	105.00	
	TC38	1	0.00	2.42	3.71	65.23	0.00	50.00	
	TC39	2	0.00	0.24	6.13	3.96	0.00	30.00	
		3	0.00	0.43	5.79	7.41	0.00	40.00	

	TC40	2	0.00	0.00	10.22	0.00	0.00	13.00	
		3	0.00	0.00	9.71	0.00	0.00	19.00	
	TC41	1	0.00	2.47	9.50	26.04	0.00	8.00	
	TC42	1	0.00	0.00	4.06	0.00	0.00	0.00	
	TC43	1	0.00	0.00	9.00	0.00	0.00	120.00	
	47	1	0.00	0.75	23.24	3.24	0.00	15.00	
	48	1	0.00	50.55	9.59	527.28	0.00	0.93	
	49	1	0.00	0.05	4.56	1.18	0.00	0.00	
		2	0.00	0.06	4.56	1.37	0.00	0.00	
	50	1	0.00	3.29	8.37	39.28	0.00	0.00	
	51	1	0.00	0.11	6.52	1.68	0.00	0.00	
	52	1	0.00	1.96	34.78	5.62	0.00	7.09	
	53	1	0.00	0.38	15.95	2.38	0.00	7.00	
	54	1	0.00	14.04	4.35	322.97	0.00	4.00	
	55	1	0.00	6.22	3.48	178.87	0.00	19.00	

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	✓	5.12	0.30	4.81	1.00	0.00	25.90
		2	0.00	0.00	✓	2.67	0.07	2.60	1.00	0.00	12.96
		3	0.00	0.00	✓	3.81	0.24	3.73	1.00	0.00	19.36
		4	0.00	0.00	✓	3.32	0.16	3.25	1.00	0.00	16.06
	Ac	1	0.00	0.00	✓	6.09	1.40	4.87	1.00	0.00	50.85
		2	0.00	0.00	✓	1.74	0.01	0.01	1.00	0.00	0.95
		3	0.00	0.00	✓	4.70	0.04	0.62	1.00	0.00	2.95
	Acf	1	0.00	0.00	✓	0.26			1.00	0.00	3.72
		2	0.00	0.00	✓	0.01			1.00	0.00	0.14
	Af	1	0.00	0.00	✓	0.05			1.00	0.00	0.69
		2	0.00	0.00	✓	0.01			1.00	0.00	0.20
		3	0.00	0.00	✓	0.01			1.00	0.00	0.15
	B	1	0.00	0.00	✓	3.40	0.14	3.32	1.00	0.00	25.53
		2	0.00	0.00	✓	5.20	0.34	4.85	1.00	0.00	39.96
		3	0.00	0.00	✓	7.31	1.02	6.95	1.00	0.00	63.92
		4	0.00	0.00	✓	7.76	1.02	7.16	1.00	0.00	55.17
	Bc	1	0.00	0.00	✓	2.07	0.14	0.82	1.00	0.00	7.69
		2	0.00	0.00	✓	2.16	0.23	2.01	1.00	0.00	14.86
		3	0.00	0.00	✓	0.52	0.09	0.52	1.00	0.00	4.96
	Bcf	1	0.00	0.00	✓	0.41			1.00	0.00	5.76
		2	0.00	0.00	✓	0.02			1.00	0.00	0.29
		3	0.00	0.00	✓	0.03			1.00	0.00	0.44
		4	0.00	0.00	✓	0.01			1.00	0.00	0.21
	Bf	1	0.00	0.00	✓	0.11			1.00	0.00	1.57
		2	0.00	0.00	✓	0.36			1.00	0.00	5.10
	C	1	0.00	0.00	✓	12.15	4.39	11.22	1.00	0.00	109.23
		2	0.00	0.00	✓	28.84	13.51	28.84	1.00	0.00	320.49
		3	0.00	0.00	✓	6.53	0.60	6.52	1.00	0.00	39.83
	Cf	1	0.00	0.00		0.05			1.00	0.00	0.66
		2	0.00	0.00		59.48			1.00	0.00	470.08
	D	1	0.00	0.00	✓	4.78	0.26	4.78	1.00	0.00	46.51
		2	0.00	0.00	✓	26.35	17.90	26.35	1.00	0.00	283.24
		3	0.00	0.00	✓	27.57	19.02	27.57	1.00	0.00	299.81
	Dc	1	0.00	0.00	✓	8.76	1.84	8.72	1.00	0.00	72.79
		2	0.00	0.00	✓	7.50	0.68	7.31	1.00	0.00	50.27
		3	0.00	0.00	✓	5.78	0.74	3.54	1.00	0.00	34.96
		4	0.00	0.00	✓	8.05	1.47	7.39	1.00	0.00	65.65
		1	0.00	0.00	✓	0.06			1.00	0.00	0.83

07:30-08:30	Dcf	2	0.00	0.00	✓	9.45			1.00	0.00	51.14
		3	0.00	0.00	✓	2.40			1.00	0.00	7.79
		4	0.00	0.00	✓	0.07			1.00	0.00	0.94
		5	0.00	0.00	✓	9.70			1.00	0.00	29.01
	Df	1	0.00	0.00	✓	125.94	94.83	99.05	1.00	0.00	783.51
		2	0.00	0.00	✓	55.95	43.40	46.54	1.00	0.00	402.76
	Dxp	1	0.00	0.00	✓	1.17	0.09	1.11	1.00	0.00	3.19
		2	0.00	0.00	✓	0.15	0.01	0.15	1.00	0.00	0.42
	Ec	1	0.00	0.00	✓	3.47	0.19	3.36	1.00	0.00	19.69
		2	0.00	0.00	✓	10.03	3.14	9.93	1.00	0.00	86.51
		3	0.00	0.00	✓	5.82	1.77	5.69	1.00	0.00	46.20
		4	0.00	0.00	✓	6.89	0.10	6.65	1.00	0.00	35.32
	Ecf	1	0.00	0.00	✓	4.92			1.00	0.00	4.57
		2	0.00	0.00	✓	0.19			1.00	0.00	2.65
		3	0.00	0.00	✓	6.71			1.00	0.00	35.93
		4	0.00	0.00	✓	6.66			1.00	0.00	34.89
	Ef	1	0.00	0.00	✓	0.17			1.00	0.00	2.44
		2	0.00	0.00	✓	0.04			1.00	0.00	0.58
	Exp	1	0.00	0.00	✓	5.19	0.50	2.65	1.00	0.00	14.81
		2	0.00	0.00	✓	2.35	0.03	0.03	1.00	0.00	0.50
	F	1	0.00	0.00	✓	13.30	8.55	13.00	1.00	0.00	141.50
		2	0.00	0.00	✓	2.93	0.35	2.87	1.00	0.00	26.80
		3	0.00	0.00	✓	4.13	0.84	4.06	1.00	0.00	40.96
	Fc	1	0.00	0.00	✓	7.05	2.77	6.55	1.00	0.00	53.50
		2	0.00	0.00	✓	11.56	1.48	3.78	1.00	0.00	38.15
		3	0.00	0.00	✓	16.85	0.55	5.00	1.00	0.00	30.59
	Ff	1	0.00	0.00	✓	0.04			1.00	0.00	0.61
		2	0.00	0.00	✓	0.01			1.00	0.00	0.11
	G	1	0.00	0.00	✓	6.44	0.78	6.43	1.00	0.00	67.29
		2	0.00	0.00	✓	2.76	0.08	2.76	1.00	0.00	31.78
	Gf	1	0.00	0.00	✓	2.34			1.00	0.00	0.27
		2	0.00	0.00	✓	2.32			1.00	0.00	0.06
	xA	1	0.00	0.00	✓	7.74			1.00	0.00	18.02
		2	0.00	0.00	✓	2.79			1.00	0.00	7.31
	xB	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	xC	1	0.00	0.00	✓	9.48			1.00	0.00	24.61
		2	0.00	0.00	✓	4.71			1.00	0.00	8.70
	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	✓	2.62	0.09	1.99	1.00	0.00	16.17
	E1	1	0.00	0.00	✓	4.44	0.44	4.35	1.00	0.00	38.69
		2	0.00	0.00	✓	15.85	8.15	15.14	1.00	0.00	168.08
	Gf1	1	0.00	0.00	✓	0.21			1.00	0.00	0.49
	Cc2	2	0.00	0.00	✓	4.89	0.17	4.75	1.00	0.00	32.14
		3	0.00	0.00	✓	13.43	0.56	8.99	1.00	0.00	58.88
		4	0.00	0.00	✓	13.32	1.68	8.92	1.00	0.00	84.36
		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	✓	3.32	0.42	3.32	1.00	0.00	11.51
		3	0.00	0.00	✓	3.64	0.83	3.43	1.00	0.00	15.11
		4	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC9	1	0.00	0.00	✓	8.20	0.16	7.22	1.00	0.00	28.91
		2	0.00	0.00	✓	4.11	0.04	3.94	1.00	0.00	13.84
		3	0.00	0.00	✓	3.64	0.03	3.49	1.00	0.00	12.01

	TC35	**1**	0.00	0.00	✓	1.88	0.04	1.87	1.00	0.00	3.49
	TC36	**1**	0.00	0.00	✓	0.00			1.00	0.00	0.01
	TC37	**1**	0.00	0.00	✓	0.07	0.00	0.07	1.00	0.00	0.14
	TC38	**1**	0.00	0.00	✓	2.42			1.00	0.00	0.81
	TC39	**2**	0.00	0.00	✓	0.24			1.00	0.00	3.44
		3	0.00	0.00	✓	0.43			1.00	0.00	6.09
	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	✓	2.47	0.06	1.54	1.00	0.00	12.27
	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	✓	0.76			1.00	0.00	10.71
	48	**1**	0.00	0.00		50.55			1.00	0.00	19.43
	49	**1**	0.00	0.00	✓	0.05			1.00	0.00	0.76
		2	0.00	0.00	✓	0.06			1.00	0.00	0.89
	50	**1**	0.00	0.00	✓	3.35			1.00	0.00	46.71
	51	**1**	0.00	0.00	✓	0.11			1.00	0.00	1.55
	52	**1**	0.00	0.00	✓	2.72	2.26	2.70	1.00	0.00	24.66
	53	**1**	0.00	0.00	✓	0.38	0.01	0.38	1.00	0.00	2.72
	54	**1**	0.00	0.00	✓	14.07	2.55	8.19	1.00	0.00	64.44
	55	**1**	0.00	0.00	✓	6.22	0.14	1.90	1.00	0.00	6.13

Pedestrian Crossing Results

Pedestrian Crossings: Pedestrian summary

Time Segment	Crossing	Side	Degree of saturation (%)	Calculated Flow Entering (Ped/hr)	Calculated sat flow (Ped/hr)	Actual green (s (per cycle))	Mean Delay Per Ped (s)	Mean max queue (Ped)	Weighted cost of delay (£ per hr)	Performance Index (£ per hr)
07:30-08:30	1	1	0	0	11000	7	0.00	0.00	0.00	0.00
		2	0	0	11000	7	0.00	0.00	0.00	0.00
	2	1	0	0	11000	58	0.00	0.00	0.00	0.00
		2	0	0	11000	58	0.00	0.00	0.00	0.00
	3	1	0	0	11000	8	0.00	0.00	0.00	0.00
		2	0	0	11000	8	0.00	0.00	0.00	0.00
	4	1	0	0	11000	68	0.00	0.00	0.00	0.00
		2	0	0	11000	68	0.00	0.00	0.00	0.00
	5	1	0	0	11000	68	0.00	0.00	0.00	0.00
		2	0	0	11000	68	0.00	0.00	0.00	0.00
	6	1	0	0	0	0	0.00	0.00	0.00	0.00
		2	0	0	0	0	0.00	0.00	0.00	0.00
	7	1	0	0	11000	72	0.00	0.00	0.00	0.00
		2	0	0	11000	72	0.00	0.00	0.00	0.00
	8	1	0	0	0	0	0.00	0.00	0.00	0.00
		2	0	0	0	0	0.00	0.00	0.00	0.00
	9	1	0	0	11000	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
	18	1	0	0	11000	6	0.00	0.00	0.00	0.00
		2	0	0	11000	6	0.00	0.00	0.00	0.00
	19	1	0	0	11000	6	0.00	0.00	0.00	0.00
		2	0	0	11000	6	0.00	0.00	0.00	0.00

Pedestrian Crossings: Flows and signals

Time Segment	Crossing	Side	Calculated flow entering (Ped/hr)	Calculated flow out (Ped/hr)	Flow discrepancy (Ped/hr)	Adjusted flow warning	Calculated sat flow (Ped/hr)	Calculated capacity (Ped/hr)	Degree of saturation (%)	DOS Threshold exceeded	Practical reserve capacity	Mean modulus of error	Actual green (s (per cycle))
07:30-08:30	1	1	0	0	0		11000	917	0		Unrestricted	0.00	7
		2	0	0	0		11000	917	0		Unrestricted	0.00	7
	2	1	0	0	0		11000	5867	0		Unrestricted	0.00	58
		2	0	0	0		11000	5867	0		Unrestricted	0.00	58
	3	1	0	0	0		11000	1008	0		Unrestricted	0.00	8
		2	0	0	0		11000	1008	0		Unrestricted	0.00	8
	4	1	0	0	0		11000	6783	0		Unrestricted	0.00	68
		2	0	0	0		11000	6783	0		Unrestricted	0.00	68
	5	1	0	0	0		11000	6783	0		Unrestricted	0.00	68
		2	0	0	0		11000	6783	0		Unrestricted	0.00	68
	6	1	0	0	0		0	0	0		-100	0.00	0
		2	0	0	0		0	0	0		-100	0.00	0
	7	1	0	0	0		11000	7150	0		Unrestricted	0.00	72
		2	0	0	0		11000	7150	0		Unrestricted	0.00	72
	8	1	0	0	0		0	0	0		-100	0.00	0
		2	0	0	0		0	0	0		-100	0.00	0
	9	1	0	0	0		11000	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
	18	1	0	0	0		11000	825	0		Unrestricted	0.00	6
		2	0	0	0		11000	825	0		Unrestricted	0.00	6
	19	1	0	0	0		11000	825	0		Unrestricted	0.00	6
		2	0	0	0		11000	825	0		Unrestricted	0.00	6

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	23/07/2021 08:05:34	23/07/2021 08:05:47	07:30	120	4994.45	307.35	109.47	Df/1	10	6	TC42/1	Cf/2	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	109	-100	72644	9899	15.23	4364.36	630.09	4994.45

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	1210	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	72644	72493	1067	✓	109	✓	-100	11109

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	8.49	15.23	307.35	4364.36	37.14	26681.90	630.09

Network Results: Queues and blocking

Time Segment	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))
07:30-08:30	527.28	0.00	2642.21

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	4994.45

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	120.9	113.0	141.4	147.9	189.8	201.2	0.0
	B28	318.0	0.0	114.2	346.7	201.2	395.7	325.2	0.0
	C28	353.7	354.6	0.0	274.5	272.3	398.8	392.3	0.0
	D28	118.7	161.0	169.2	0.0	203.7	175.0	183.7	0.0
	E28	152.6	142.0	200.8	60.3	0.0	104.2	112.2	0.0
	F28	116.6	153.2	150.5	166.5	176.2	0.0	19.5	0.0
	G28	80.5	108.8	102.9	112.2	129.3	179.9	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Calculated Total Flow (PCU/hr)	Avg journey time (s)
24	C28	C28	0	0.00	0	0.00

25	C28	C28	0	0.00	0	0.00
32	C28	E28	160	269.16	160	269.16
36	C28	E28	0	0.00	0	0.00
42	E28	C28	36	192.97	36	192.97
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
68	E28	G28	168	112.60	168	112.60
91	C28	F28	38	398.82	38	398.82
92	E28	F28	43	104.19	43	104.19
96	A28	C28	0	0.00	0	0.00
98	G28	E28	0	0.00	0	0.00
99	C28	B28	27	353.10	27	353.10
100	E28	B28	135	128.58	135	128.58
101	E28	E28	0	0.00	0	0.00
102	A28	C28	233	109.33	233	109.33
103	F28	B28	0	0.00	0	0.00
104	C28	G28	387	407.24	387	407.24
105	D28	H28	0	0.00	0	0.00
106	G28	C28	88	94.96	88	94.96
107	A28	B28	23	119.97	23	119.97
108	B28	G28	332	293.05	332	293.05
109	C28	G28	230	339.90	230	339.90
110	E28	G28	22	108.90	22	108.90
111	B28	G28	0	0.00	0	0.00
112	F28	G28	18	19.48	18	19.48
114	C28	H28	0	0.00	0	0.00
115	B28	C28	9	117.33	9	117.33
116	F28	C28	2	144.25	2	144.25
117	H28	H28	0	0.00	0	0.00
118	F28	C28	0	0.00	0	0.00
119	F28	E28	2	183.00	2	183.00
120	F28	E28	2	162.87	2	162.87
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
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	2	142.84	2	142.84
130	G28	C28	88	112.17	88	112.17
131	G28	E28	123	133.03	123	133.03
132	H28	C28	0	0.00	0	0.00
133	H28	E28	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	207.63	7	207.63
141	D28	E28	7	199.48	7	199.48
142	C28	H28	0	0.00	0	0.00
143	E28	H28	0	0.00	0	0.00
145	H28	H28	0	0.00	0	0.00
146	F28	H28	0	0.00	0	0.00
147	F28	E28	2	185.43	2	185.43
149	C28	B28	3	368.29	3	368.29
150	E28	B28	336	147.44	336	147.44
152	H28	B28	0	0.00	0	0.00

153	F28	B28	9	153.18	9	153.18
155	E28	C28	4	156.05	4	156.05
156	C28	G28	60	402.03	60	402.03
157	H28	B28	0	0.00	0	0.00
159	B28	E28	145	348.13	145	348.13
160	B28	G28	135	404.15	135	404.15
161	B28	F28	37	395.74	37	395.74
162	B28	H28	0	0.00	0	0.00
164	B28	B28	0	0.00	0	0.00
165	B28	B28	0	0.00	0	0.00
166	B28	C28	68	113.78	68	113.78
167	B28	E28	435	152.18	435	152.18
169	G28	B28	64	108.02	64	108.02
170	G28	B28	64	107.19	64	107.19
171	G28	H28	0	0.00	0	0.00
172	C28	F28	0	0.00	0	0.00
173	C28	G28	0	0.00	0	0.00
174	C28	H28	0	0.00	0	0.00
175	G28	C28	0	0.00	0	0.00
176	G28	E28	49	131.60	49	131.60
178	G28	E28	34	112.32	34	112.32
180	C28	C28	0	0.00	0	0.00
181	G28	G28	0	0.00	0	0.00
182	C28	C28	0	0.00	0	0.00
183	C28	C28	0	0.00	0	0.00
184	C28	C28	0	0.00	0	0.00
185	A28	B28	23	121.84	23	121.84
186	A28	C28	49	130.40	49	130.40
187	A28	E28	273	152.19	273	152.19
188	C28	H28	0	0.00	0	0.00
190	C28	C28	0	0.00	0	0.00
192	C28	C28	0	0.00	0	0.00
193	C28	C28	0	0.00	0	0.00
194	C28	C28	0	0.00	0	0.00
195	D28	G28	167	183.84	167	183.84
196	D28	F28	87	175.01	87	175.01
197	D28	G28	53	183.45	53	183.45
198	G28	D28	0	0.00	0	0.00
199	D28	B28	86	160.71	86	160.71
200	D28	B28	86	159.25	86	159.25
201	D28	C28	94	163.88	94	163.88
202	G28	B28	0	0.00	0	0.00
203	G28	C28	6	137.93	6	137.93
204	D28	C28	45	180.31	45	180.31
205	D28	E28	27	206.69	27	206.69
206	C28	D28	217	274.51	217	274.51
207	D28	E28	7	191.83	7	191.83
208	G28	C28	0	0.00	0	0.00
209	G28	E28	0	0.00	0	0.00
210	A28	G28	503	202.98	503	202.98
211	A28	H28	0	0.00	0	0.00
212	H28	D28	0	0.00	0	0.00
213	A28	E28	102	139.56	102	139.56
214	G28	G28	0	0.00	0	0.00
215	G28	F28	64	178.62	64	178.62
216	G28	G28	0	0.00	0	0.00
217	G28	G28	0	0.00	0	0.00
218	A28	G28	289	198.26	289	198.26

219	A28	F28	107	189.83	107	189.83
220	H28	F28	0	0.00	0	0.00
221	F28	F28	0	0.00	0	0.00
223	A28	E28	68	143.17	68	143.17
225	D28	E28	0	0.00	0	0.00
227	H28	E28	0	0.00	0	0.00
229	F28	E28	0	0.00	0	0.00
230	G28	G28	0	0.00	0	0.00
231	A28	G28	10	198.55	10	198.55
232	A28	H28	0	0.00	0	0.00
233	B28	H28	0	0.00	0	0.00
234	C28	G28	170	407.57	170	407.57
235	E28	G28	0	0.00	0	0.00
236	E28	H28	0	0.00	0	0.00
237	F28	H28	0	0.00	0	0.00
238	D28	B28	36	165.89	36	165.89
239	D28	B28	0	0.00	0	0.00
240	G28	C28	59	97.48	59	97.48
241	E28	C28	0	0.00	0	0.00
242	H28	C28	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	213.59	36	213.59
247	E28	E28	0	0.00	0	0.00
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
252	F28	C28	2	164.56	2	164.56
253	F28	E28	2	173.59	2	173.59
256	C28	C28	0	0.00	0	0.00
257	C28	H28	0	0.00	0	0.00
259	C28	C28	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	C28	E28	2	522.37	2	522.37
270	C28	E28	0	0.00	0	0.00
271	C28	G28	12	651.09	12	651.09
272	C28	G28	0	0.00	0	0.00
273	C28	H28	0	0.00	0	0.00
275	C28	C28	0	0.00	0	0.00
276	C28	C28	0	0.00	0	0.00
277	C28	B28	0	0.00	0	0.00
278	C28	B28	0	0.00	0	0.00
279	C28	G28	0	0.00	0	0.00
280	C28	C28	0	0.00	0	0.00
281	C28	C28	0	0.00	0	0.00
282	C28	B28	0	0.00	0	0.00
283	C28	B28	0	0.00	0	0.00
285	G28	C28	0	0.00	0	0.00
286	G28	B28	4	146.08	4	146.08
287	G28	C28	0	0.00	0	0.00
288	G28	E28	0	0.00	0	0.00

290	G28	E28	0	0.00	0	0.00
292	G28	E28	0	0.00	0	0.00
294	G28	E28	0	0.00	0	0.00
295	G28	G28	0	0.00	0	0.00
296	G28	F28	2	219.45	2	219.45
297	G28	A28	330	80.53	330	80.53
298	G28	A28	0	0.00	0	0.00
299	A28	A28	0	0.00	0	0.00
300	A28	A28	0	0.00	0	0.00
301	B28	A28	0	0.00	0	0.00
302	B28	A28	34	317.96	34	317.96
303	C28	A28	0	0.00	0	0.00
304	C28	A28	480	352.91	480	352.91
305	C28	A28	7	409.66	7	409.66
306	C28	A28	0	0.00	0	0.00
307	C28	A28	0	0.00	0	0.00
308	C28	A28	0	0.00	0	0.00
309	C28	A28	0	0.00	0	0.00
310	C28	A28	0	0.00	0	0.00
311	E28	A28	18	112.55	18	112.55
312	E28	A28	456	154.20	456	154.20
313	D28	A28	3	118.67	3	118.67
314	H28	A28	0	0.00	0	0.00
315	F28	A28	14	116.64	14	116.64
316	G28	D28	0	0.00	0	0.00
317	G28	D28	118	112.20	118	112.20
318	G28	D28	0	0.00	0	0.00
319	G28	D28	0	0.00	0	0.00
320	G28	D28	0	0.00	0	0.00
321	A28	D28	2	141.42	2	141.42
322	A28	D28	0	0.00	0	0.00
323	B28	D28	264	346.67	264	346.67
324	C28	D28	0	0.00	0	0.00
325	E28	D28	51	60.28	51	60.28
326	D28	D28	0	0.00	0	0.00
327	D28	D28	0	0.00	0	0.00
328	D28	D28	0	0.00	0	0.00
329	H28	D28	0	0.00	0	0.00
330	H28	D28	0	0.00	0	0.00
331	F28	D28	6	171.85	6	171.85
332	F28	D28	0	0.00	0	0.00
333	F28	D28	6	161.13	6	161.13

Final Prediction Table

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUE
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	344	2050	36	4.00	53	70	20.53	14.94	51.04	5.12
	2	(untitled)	6	771-2	E	202	2050	36	4.00	31	189	18.07	12.31	48.62	2.67
	3	(untitled)	6	771-2	E	319	2050	36	3.00	49	83	17.62	11.72	45.02	3.81
	4	(untitled)	6	771-2	E	277	2050	36	5.00	43	111	17.18	11.15	43.59	3.32
Ac	**1**	(untitled)	6	771-2	D	974	2263	64	10.00	78	15	17.97	10.79	30.08	6.08
	2	(untitled)	6	771-2	D	176	2263	64	48.56	15	512	10.23	0.73	14.80	1.74

	3	(untitled)	6	771-2	D	295	2263	64	20.00	24	280	7.62	1.02	18.60	4.70
Acf	1	(untitled)	6			1150	2263	120	36.00	51	77	6.04	0.82	0.00	0.26
	2	(untitled)	6			295	2263	120	72.00	13	590	7.36	0.12	0.00	0.01
Af	1	(untitled)	6			546	2050	120	41.00	27	238	6.89	0.32	0.00	0.05
	2	(untitled)	6			319	2050	120	41.00	16	478	6.73	0.16	0.00	0.01
	3	(untitled)	6			277	2050	120	41.00	14	566	6.72	0.14	0.00	0.01
B	1	(untitled)	1	769-1	B	279	2050	38	0.00	41	120	24.36	17.26	72.98	3.40
	2	(untitled)	1	769-1	B	392	2150	38	0.42	55	63	26.81	19.52	77.73	5.20
	3	(untitled)	1	769-1	B	508	2100	38	0.62	74	22	32.39	24.91	85.84	7.30
	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	414	2050	58	12.00	40	123	15.99	4.03	11.91	2.07
	2	(untitled)	1	769-1	A	499	2050	58	11.00	49	85	18.01	6.18	24.18	2.16
	3	(untitled)	1	769-1	A	356	2050	58	17.00	35	159	14.75	3.04	8.73	0.52
Bcf	1	(untitled)	1			1318	2263	120	82.00	58	55	5.26	1.11	0.00	0.41
	2	(untitled)	1			414	2263	120	66.00	18	392	5.48	0.18	0.00	0.02
	3	(untitled)	1			499	2263	120	39.00	22	308	5.87	0.22	0.00	0.03
	4	(untitled)	1			356	2263	120	71.00	16	472	6.15	0.15	0.00	0.01
Bf	1	(untitled)	1			671	1800	120	0.00	37	141	27.93	0.59	0.00	0.11
	2	(untitled)	1			1011	1800	120	0.00	56	60	28.69	1.28	0.00	0.36
C	1	(untitled)	2	769-2	G	512	2100	30	0.00	91	-2	64.40	49.86	132.88	11.80
	2	(untitled)	2	769-2	G	564 <	2200	30	0.00	96	-6	150.69	136.01	250.08	27.38 +
	3	(untitled)	2	769-2	G	356	2050	30	10.00	65	38	39.83	24.91	109.84	6.52
Cf	1	(untitled)	2			510	1965	120	0.00	26	247	17.67	0.32	0.23	0.05
	2	(untitled)	2			943 <	1965	120	63.82	102	-12	137.33	119.83	213.14	45.72 +
D	1	(untitled)	3	770-1	B	346	2050	38	4.00	51	78	31.55	27.42	81.33	4.78
	2	(untitled)	3	770-1	B	617 <	1850	38	0.00	100	-10	109.51	105.39	135.85	21.21 +
	3	(untitled)	3	770-1	B	705 <	2250	38	2.38	100	-10	102.33	97.88	121.21	22.07 +
Dc	1	(untitled)	3	770-1	A	918	2100	62	2.02	82	10	19.29	15.49	56.73	8.74
	2	(untitled)	3	770-1	A	751	2100	62	1.00	67	34	15.75	12.10	59.74	7.49
	3	(untitled)	3	770-1	A	639	2100	62	10.73	69	31	13.15	9.64	51.95	5.77
	4	(untitled)	3	770-1	A	859 <	2100	62	13.85	79	14	17.99	14.63	58.45	8.04 +
Dcf	1	(untitled)	3			592	2050	120	30.00	29	212	5.30	0.36	0.00	0.06
	2	(untitled)	3			1147	2100	120	49.30	74	22	12.67	7.73	43.94	9.45
	3	(untitled)	3			751	2100	120	46.17	44	103	7.09	1.60	13.58	2.40
	4	(untitled)	3			639	2100	120	29.00	30	196	7.60	0.37	0.00	0.07
	5	(untitled)	3			859	2100	120	67.17	49	85	10.00	4.99	43.98	9.70
Df	1	(untitled)	3-2	11	B	1039 <	1900	103	44.06	109	-18	209.03	185.03	211.85	80.74 +
	2	(untitled)	3-2	11	B	740 <	2250	103	66.38	105	-14	156.58	132.58	178.25	37.58 +
Dxp	1	(untitled)	3-2	770-2	D	592	2050	101	17.00	34	165	4.44	0.94	5.18	1.17
	2	(untitled)	3-2	770-2	D	229	2050	101	47.00	13	585	3.97	0.32	1.76	0.15
Ec	1	(untitled)	4	770-3	F	587	2150	70	21.00	45	98	9.36	5.61	35.66	3.47
	2	(untitled)	4	770-3	F	1195 <	2263	70	0.00	88	2	17.98	14.34	49.36	9.96 +
	3	(untitled)	4	770-3	F	1106	2263	70	4.00	81	10	11.56	8.06	31.13	5.80
	4	(untitled)	4	770-3	F	491	2250	70	32.00	36	148	14.87	11.42	83.91	6.89
Ecf	1	(untitled)	4			1066	2100	120	24.39	51	77	4.37	0.92	2.02	4.92
	2	(untitled)	4			950	2100	120	21.00	45	99	4.18	0.71	0.00	0.19
	3	(untitled)	4			1195	2263	120	33.86	67	34	8.62	5.10	30.97	6.71
	4	(untitled)	4			1625	2300	120	33.00	79	14	7.96	4.10	16.90	6.66
Ef	1	(untitled)	4			834	1900	120	0.00	44	105	16.05	0.74	0.00	0.17
	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	1066	2050	100	17.00	62	46	6.49	2.61	11.24	5.19
	2	(untitled)	4-2	770-4	L	363	2050	100	53.00	21	328	4.31	0.28	0.76	2.35
F	1	(untitled)	5	771-1	B	307	2100	16	0.00	97	-8	108.23	101.85	184.43	11.27
	2	(untitled)	5	771-1	B	175	2100	16	0.00	56	62	37.15	30.72	99.53	2.92
	3	(untitled)	5	771-1	B	223	2100	16	0.00	71	27	44.20	37.66	109.47	4.11
Fc	1	(untitled)	5	771-1	A	1406	2263	84	6.00	87	4	27.53	8.42	29.07	7.00
	2	(untitled)	5	771-1	A	1150	2263	84	22.64	78	16	25.42	6.69	40.01	11.55
	3	(untitled)	5	771-1	A	1019	2263	84	20.90	63	42	24.59	5.15	62.32	16.85

Ff	**1**	(untitled)	5			482	1900	120	0.00	25	255	33.41	0.32	0.00	0.04
	2	(untitled)	5			223	1900	120	0.00	12	667	33.17	0.13	0.00	0.01
G	**1**	(untitled)	2	769-2	F	339	2050	28	9.46	70	29	61.40	45.34	115.66	6.43
	2	(untitled)	2	769-2	F	161	2050	28	18.73	32	180	52.64	41.19	109.74	2.76
Gf	**1**	(untitled)	4			336	2050	120	90.01	16	449	3.09	0.17	0.37	2.34
	2	(untitled)	4			135	2050	120	90.04	7	1266	2.95	0.07	0.57	2.32
xA	**1**	(untitled)	10			1494	2263	120	24.19	69	30	19.50	2.27	9.65	7.73
	2	(untitled)	10			1340	2263	120	31.81	61	48	18.51	1.26	1.48	2.78
xB	**1**	(untitled)				1318	Unrestricted	120	10.00	0	Unrestricted	4.48	0.00	0.00	0.00
xC	**1**	(untitled)				561	1900	120	57.15	46	98	15.12	6.45	57.40	9.48
	2	(untitled)				334	1900	120	66.24	24	275	11.63	2.93	45.13	4.71
xD	**1**	(untitled)				592	Unrestricted	120	16.00	0	Unrestricted	9.13	0.00	0.00	0.00
	2	(untitled)				229	Unrestricted	120	55.00	0	Unrestricted	9.21	0.00	0.00	0.00
xE	**1**	(untitled)				1066	Unrestricted	120	9.00	0	Unrestricted	13.04	0.00	0.00	0.00
	2	(untitled)				363	Unrestricted	120	53.00	0	Unrestricted	13.04	0.00	0.00	0.00
xF	**1**	(untitled)				638	Unrestricted	120	16.00	0	Unrestricted	7.51	0.00	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	395	2050	64	14.00	35	157	14.08	7.43	30.18	2.62
E1	**1**	(untitled)	4	770-3	G	306	2050	28	0.00	60	51	30.99	24.99	86.74	4.43
	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			29	678	120	88.00	4	2034	5.45	1.75	31.60	0.21
Cc2	**2**	(untitled)	2	769-2	D	524	2150	66	10.98	44	106	17.92	10.87	56.86	4.89
	3	(untitled)	2	769-2	D	741	2050	66	9.00	64	41	21.62	14.24	83.04	13.43
	4	(untitled)	2	769-2	D	788	2150	66	21.57	81	11	26.53	19.56	94.87	13.30
	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	1121	2263	99	11.00	59	53	5.09	2.32	8.88	3.32
	3	(untitled)	TC771-6	TC777-1	A	1340	2263	99	21.00	70	28	5.36	2.60	8.07	3.64
	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	517	1925	72	0.00	43	109	23.67	12.66	47.54	8.20
	2	(untitled)	TC771-6	TC777-1	B	299	1966	72	0.00	24	270	21.48	10.42	41.23	4.11
	3	(untitled)	TC771-6	TC777-1	B	265	1947	72	0.00	22	313	21.30	10.18	41.18	3.64
TC35	**1**	(untitled)	TC771-6	TC777-1	A	374	1900	99	14.00	23	285	4.78	1.88	15.30	1.88
TC36	**1**	(untitled)	TC771-6			67	1800	120	0.00	4	2318	3.07	0.04	0.00	0.00
TC37	**1**	(untitled)	TC771-6	TC777-2	J	18	1850	105	105.00	1	8071	4.08	0.89	11.68	0.07
TC38	**1**	(untitled)	TC771-6			18	246	120	50.00	7	1128	8.10	6.57	55.35	2.42
TC39	**2**	(untitled)	TC771-6			1121	2263	120	30.00	50	82	3.32	0.78	0.00	0.24
	3	(untitled)	TC771-6			1340	2263	120	40.00	59	52	3.55	1.15	0.00	0.43
TC40	**2**	(untitled)	TC771-6			1139	Unrestricted	120	13.00	0	Unrestricted	4.23	0.00	0.00	0.00
	3	(untitled)	TC771-6			1340	Unrestricted	120	19.00	0	Unrestricted	4.02	0.00	0.00	0.00
TC41	**1**	(untitled)	TC771-6	TC777-1	D	49	1850	10	8.00	29	211	59.08	55.14	94.38	2.47
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			895	1300	120	15.00	69	31	19.07	3.03	0.00	0.75
48	**1**	(untitled)	2			1459 <	1965	120	0.93	75	20	9.91	3.29	2.61	50.55 +

49	1	(untitled)	TC771-6			529	1900	120	0.00	28	223	3.51	0.37	0.00	0.05
	2	(untitled)	TC771-6			564	1900	120	0.00	30	203	3.55	0.40	0.00	0.06
50	1	(untitled)	1			1682	1900	120	0.00	89	2	12.82	7.04	0.00	3.29
51	1	(untitled)	4-2			705	1900	120	0.00	37	143	5.05	0.56	0.00	0.11
52	1	Dewsbury Road NB Bus Gate	3-2	11	A	14	1800	7	7.09	101	-11	462.43	438.43	259.09	1.96
53	1		TC771-6	TC777-1	J	12	1800	7	7.00	10	800	65.40	54.40	93.73	0.38
54	1		6	12	A	1318 <	1800	104	4.00	84	8	11.22	8.97	60.65	14.04 +
55	1		4	13	A	638 <	1800	104	19.00	40	122	4.09	1.69	23.43	6.22 +

Pedestrian Crossing Results

				SIGNALS		FLOWS		PERFORMANCE			PER PED		QUEUES	WEIGHTS	P
Pedestrian	Side	Name	Traffic node	Controller stream	Phase	Calculated Flow Entering (Ped/hr)	Calculated sat flow (Ped/hr)	Actual green (s (per cycle))	Degree of saturation (%)	Practical reserve capacity	JourneyTime (s)	Mean Delay per Ped (s)	Mean max queue (Ped)	Delay weighting (%)	(
1	1	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	
2	1	(untitled)	3	770-1	C	0	11000	58	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	3	770-1	C	0	11000	58	0	Unrestricted	0.00	0.00	0.00	100	
3	1	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
4	1	(untitled)	4	770-3	J	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	J	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
5	1	(untitled)	4	770-3	I	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	I	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
6	1	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	
7	1	(untitled)	5	771-1	C	0	11000	72	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	5	771-1	C	0	11000	72	0	Unrestricted	0.00	0.00	0.00	100	
8	1	(untitled)	1	769-1	C	0	0	0	0	-100	0.00	0.00	0.00	100	
	2	(untitled)	1	769-1	C	0	0	0	0	-100	0.00	0.00	0.00	100	
9	1	(untitled)	2	769-2	J	0	11000	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	
18	1	(untitled)	12	12	B	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	12	12	B	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	
19	1	(untitled)	13	13	B	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	13	13	B	0	11000	6	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	6582.81	478.74	13.75	307.35	4364.36	630.09	0.00	4994.45
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	6582.81	478.74	13.75	307.35	4364.36	630.09	0.00	4994.45

- *< = 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***