TRANSYT 15

Filename: M62 JN 28 CRF Scheme_Mar 20- Scenario 2a - PM + 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\2033 Sensitivity Test
Report generation date: 23/07/2021 08:45:32

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

A2 - 2033 Base + Committed PM + LCC Scheme
D2 - 2033 Base + Committed PM + 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	Local Matrix	Local Matrix 1	Local Matrix 1: Resultant Flows have warnings in one or more time segments - see the Resultant Flows tab of the OD Matrix screen.
Warning	Traffic Stream Signals	Arm TC5 - Traffic Stream 4 - Signals (TC777-1, C)	Traffic Stream 4 controlling phase C never runs in the current stage sequence.
Warning	Traffic Stream Signals	Arm TC42 - Traffic Stream 1 - Signals (TC777-1, E)	Traffic Stream 1 controlling phase E never runs in the current stage sequence.
Info	Arm Data	Arm xC	No traffic node specified for arm(s): xC
Info	Traffic Stream Signals	Arm TC5 - Traffic Stream 4 - Signals (TC777-1, C)	Traffic Stream 4 controlling phase C never runs in stage sequence 1.
Info	Traffic Stream Signals	Arm TC42 - Traffic Stream 1 - Signals (TC777-1, E)	Traffic Stream 1 controlling phase E never runs in stage sequence 1.

Run Summary

Analysis set used	Run start time	Run finish time	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
2	23/07/2021 08:44:59	23/07/2021 08:45:12	16:30	60	9612.56	614.45	120.00	49/1	15	10	TC5/4	49/1	TC5

Analysis Set Details

Name	Description	Demand set	Include in report	Locked
2033 Base + Committed PM + LCC Scheme		D2	✓	

Demand Set Details

Name	Description	Composite	Demand sets	Start time (HH:mm)	Locked
2033 Base + Committed PM + LCC Scheme				16:30	

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)
60		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
(ALL)	(untitled)	

Arms and Traffic Streams

Arms

Arm	Name	Description	Traffic node
A	Dewsbury Rd SB		6
Ac	(untitled)		6
Acf	(untitled)		6
Af	Dewsbury Rd SB		6
B	M62 WB off slip		1
Bc	(untitled)		1
Bcf	(untitled)		1
Bf	M62 WB off slip		1
C	Bradford Rd WB		2
Cf	Bradford Rd WB		2
D	Dewsbury Rd NB		3
Dc	(untitled)		3
Dcf	(untitled)		3
Df	Dewsbury Rd NB		3-2
Dxp	Dewsbury Rd exit SB (ped)		3-2
Ec	(untitled)		4
Ecf	(untitled)		4
Ef	Bradford Rd EB		4
Exp	Bradford Rd exit WB (ped)		4-2
F	M62 EB off slip		5
Fc	(untitled)		5
Ff	M62 EB off slip		5
G	(untitled)		2
Gf	(untitled)		4
xA	Dewsbury Rd exit NB		10
xB	M62 EB on slip		
xC	(untitled)		
xD	Dewsbury Rd exit SB		
xE	Bradford Rd exit WB		
xF	M62 WB on slip		
Cc1	(untitled)		2
E1	Bradford Rd EB (left)		4
Gf1	(untitled)		4
Cc2	(untitled)		2
E2	Bradford Rd EB (ahead)		4
TC5	(untitled)		TC771-6
TC9	(untitled)		TC771-6
TC35	(untitled)		TC771-6
TC36	(untitled)		TC771-6
TC37	(untitled)		TC771-6
TC38	(untitled)		TC771-6
TC39	(untitled)		TC771-6
TC40	(untitled)		TC771-6
TC41	(untitled)		TC771-6
TC42	(untitled)		TC771-6
TC43	(untitled)		
47	(untitled)		2
48	(untitled)		2
49	(untitled)		TC771-6
50	(untitled)		1
51	(untitled)		4-2
52			6
53			3-2
54			4
55			TC771-6

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	✓	55.52	✓	Directly entered	2050		2050			Normal	
	2	(untitled)	Dews	✓	55.52	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	55.74	✓	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	✓	55.80	✓	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)		✓	56.54								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)		✓	100.49								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				25.00	✓	Sum of lanes	1800			✓		Normal	
53	1				200.00	✓	Sum of lanes	1800			✓		Normal	
54	1				20.00	✓	Sum of lanes	1800			✓		Normal	
55	1			✓	89.69	✓	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	✓	60

Normal traffic - Modelling

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

Normal traffic - Advanced

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

Flows

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

A	1	897	897
	2	399	399
	3	810	810
	4	572	572
Ac	1	789	789
	2	289	289
	3	453	453
Acf	1	1078	1078
	2	453	453
Af	1	1296	1296
	2	810	810
	3	572	572
B	1	275	275
	2	401	401
	3	347	347
	4	260	260
Bc	1	775	775
	2	1116	1116
	3	631	631
Bcf	1	1686	1686
	2	775	775
	3	1116	1116
	4	631	631
Bf	1	676	676
	2	607	607
C	1	503	503
	2	422	422
	3	143	143
Cf	1	503	503
	2	565	565
D	1	280	280
	2	342	342
	3	373	373
Dc	1	846	846
	2	823	823
	3	306	306
	4	403	403
Dcf	1	1149	1149
	2	1423	1423
	3	823	823
	4	306	306
	5	403	403
Df	1	610	610
	2	373	373
Dxp	1	1149	1149
	2	577	577
Ec	1	593	593
	2	578	578
	3	518	518
	4	296	296
Ecf	1	945	945
	2	1004	1004
	3	578	578
	4	846	846
Ef	1	854	854
	2	627	627
Exp	1	945	945
	2	411	411

F	1	187	187
	2	294	294
	3	360	360
Fc	1	681	681
	2	609	609
	3	842	842
Ff	1	481	481
	2	360	360
G	1	386	386
	2	274	274
Gf	1	382	382
	2	245	245
xA	1	778	778
	2	663	663
xB	1	1686	1686
xC	1	787	787
	2	643	643
xD	1	1149	1149
	2	577	577
xE	1	945	945
	2	411	411
xF	1	707	707
Cc1	1	770	770
E1	1	308	308
	2	546	546
Gf1	1	33	33
Cc2	2	1055	1055
	3	641	641
	4	1080	1080
	5	260	260
E2	3	382	382
	4	245	245
TC5	2	719	719
	3	663	663
	4	0	0
TC9	1	1154	1154
	2	783	783
	3	426	426
TC35	1	59	59
TC36	1	372	372
TC37	1	75	75
TC38	1	75	75
TC39	2	719	719
	3	663	663
TC40	2	794	794
	3	663	663
TC41	1	297	297
TC42	1	0	0
TC43	1	0	0
47	1	1430	1430
48	1	1068	1068
49	1	1172	1172
	2	1209	1209
50	1	1283	1283
51	1	841	841
52	1	1686	1686
53	1	12	12
54	1	707	707

55	**1**	18	18

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	12	A	
53	1	11	A	
54	1	13	A	
55	1	TC777-1	J	

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
53	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	6.66	30.00	✓	Nearside	10.60
	2	1	TC42/1	Af/2	6.66	30.00	✓	Nearside	10.60
	3	1	TC42/1	Af/3	6.69	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	4.19	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**	52/1	xB/1	6.79	30.00	✓	Straight	Straight Movement
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**	54/1	xF/1	12.06	30.00	✓	Nearside	21.41
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
52	**1**	**1**	Bcf/1	52/1	3.00	30.00	✓	Nearside	48.47
54	**1**	**1**	Ec/1	54/1	2.40	30.00	✓	Straight	Straight Movement

55	**1**	**1**	49/1	55/1	10.76	30.00	✓	Straight	Straight Movement
Acf	**1**	**2**	Fc/3	Acf/1	5.22	48.00	✓	Straight	Straight Movement
	2	**2**	Fc/3	Acf/2	7.24	35.00	✓	Straight	Straight Movement
Af	**1**	**2**	TC9/1	Af/1	6.66	30.00	✓	Straight	Straight Movement
	2	**2**	TC9/2	Af/2	6.66	30.00	✓	Straight	Straight Movement
	3	**2**	TC9/3	Af/3	6.69	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**	53/1	D/1	4.13	48.00	✓	Straight	Straight Movement
	2	**2**	53/1	D/2	4.13	48.00	✓	Straight	Straight Movement
	3	**2**	53/1	D/3	4.19	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
54	**1**	**2**	E1/1	54/1	2.40	30.00	✓	Nearside	39.19
Acf	**1**	**3**	Fc/2	Acf/1	5.22	48.00	✓	Straight	Straight Movement
Af	**1**	**3**	TC41/1	Af/1	6.66	30.00	✓	Offside	6.19
	2	**3**	TC41/1	Af/2	6.66	30.00	✓	Offside	6.19

	3	3	TC41/1	Af/3	6.69	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	55/1	Af/1	6.66	30.00	✓	Straight	Straight Movement
	2	4	55/1	Af/2	6.66	30.00	✓	Straight	Straight Movement
	3	4	55/1	Af/3	6.69	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	3	52	353	13	446	14	434	0
	B28	18	0	98	177	513	7	255	0
	C28	286	33	0	181	99	8	388	0
	D28	5	376	256	0	17	14	173	0
	E28	477	627	92	114	1	6	164	0
	F28	104	27	57	81	28	0	75	0
	G28	793	315	870	141	252	10	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, 53/1	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	Fixed	
	98		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	99	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	
	100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Fixed	
	101		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	
	104	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	
	106		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
	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	Fixed	
	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	Fixed	
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	53/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Fixed	
173		C28	G28	53/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
174		C28	H28	53/1, 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	53/1, 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	53/1, 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	53/1, 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	53/1, 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	53/1, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
190		C28	C28	53/1, 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	53/1, 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	53/1, 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	53/1, 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, 54/1, 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, 55/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Disabled
	203		G28	C28	49/1, 55/1, 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, 54/1, 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, 55/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled
	209		G28	E28	49/1, 55/1, 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	Fixed
	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, 54/1, 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, 55/1, 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, 55/1, 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	Fixed
	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	Fixed
	256		C28	C28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal
	257		C28	H28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal
	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	53/1, D/1, Ecf/1, Exp/1, xE/1	Fixed	
270		C28	E28	53/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	
271		C28	G28	53/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Fixed	
272		C28	G28	53/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
273		C28	H28	53/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
275		C28	C28	53/1, 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	53/1, 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	53/1, D/2, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Disabled	
278		C28	B28	53/1, D/2, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Disabled	
279		C28	G28	53/1, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
280		C28	C28	53/1, 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	53/1, 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	53/1, D/3, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	
283		C28	B28	53/1, D/3, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Disabled	
285		G28	C28	49/1, 55/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Disabled	
286		G28	B28	49/1, 55/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Fixed	
287		G28	C28	49/1, 55/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
288		G28	E28	49/1, 55/1, 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, 55/1, 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, 55/1, 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, 55/1, 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, 55/1, 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, 55/1, 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, 52/1, xB/1	Normal	
298		G28	A28	49/1, 55/1, Af/1, A/1, Bcf/1, 52/1, xB/1	Fixed	
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, 52/1, 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, 52/1, 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, 52/1, 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, 52/1, xB/1	Normal	
303		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 52/1, xB/1	Fixed	
304		C28	A28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 52/1, xB/1	Normal	
305		C28	A28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 52/1, xB/1	Fixed	
306		C28	A28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 52/1, xB/1	Fixed	
307		C28	A28	53/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 52/1, xB/1	Disabled	
308		C28	A28	53/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 52/1, xB/1	Disabled	
309		C28	A28	53/1, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 52/1, xB/1	Disabled	
310		C28	A28	53/1, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 52/1, xB/1	Disabled	
311		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, 52/1, xB/1	Fixed	
312		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, 52/1, xB/1	Normal	
313		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, 52/1, xB/1	Normal	
314		H28	A28	TC42/1, Af/1, A/1, Bcf/1, 52/1, xB/1	Normal	
315		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, 52/1, 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, 54/1, xF/1	Fixed	
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, 54/1, xF/1	Normal	
318		G28	D28	49/1, 55/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 54/1, xF/1	Fixed	
319		G28	D28	49/1, 55/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 54/1, xF/1	Disabled	
320		G28	D28	49/1, 55/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, 54/1, xF/1	Disabled	
321		A28	D28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 54/1, xF/1	Fixed	
322		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, 54/1, xF/1	Normal	
323		B28	D28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, 54/1, xF/1	Normal	
324		C28	D28	53/1, D/1, Ecf/2, Ec/1, 54/1, xF/1	Fixed	
325		E28	D28	Ef/1, E1/1, 54/1, 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, 54/1, 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, 54/1, 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, 54/1, 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, 54/1, 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, 54/1, 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, 54/1, xF/1	Fixed	

	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, 54/1, 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, 54/1, xF/1	Normal

Signal Timings

Network Default: 60s cycle time; 60 steps

Controller Stream 11

Controller Stream	Name	Description	Use sequence	Cycle time source	Cycle time (s)
11	(untitled)		1	NetworkDefault	60

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	22, 10

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	15	22	7	1	7
	2	✓	2	B	27	10	43	1	7

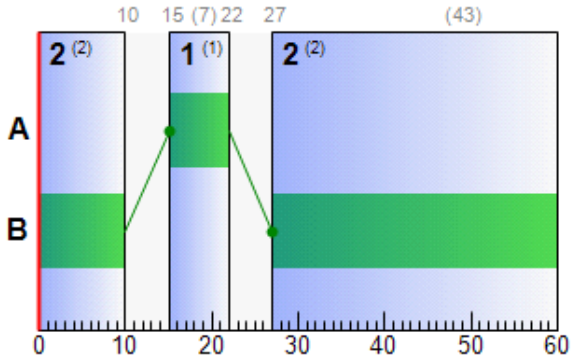
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
11	A	1	✓	15	22	7
	B	1	✓	27	10	43

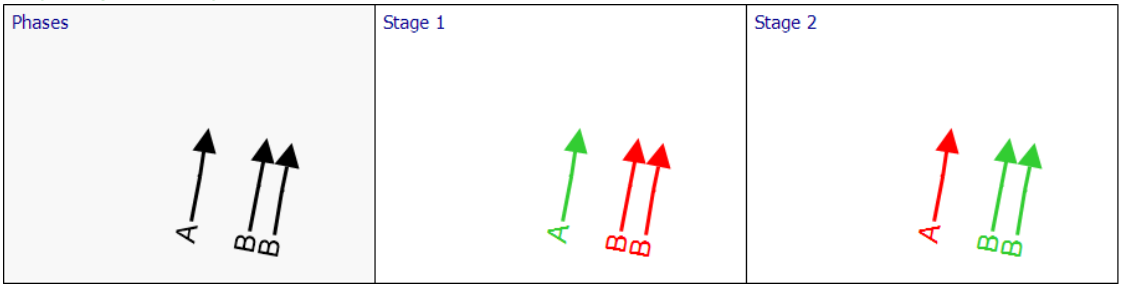
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
Df	1	3-2	11	B	27	10	43
Df	2	3-2	11	B	27	10	43
53	1	3-2	11	A	15	22	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	60

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	Unknown	
	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	36, 48

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	53	36	43	1	7
	2	✓	2	B	41	48	7	1	6

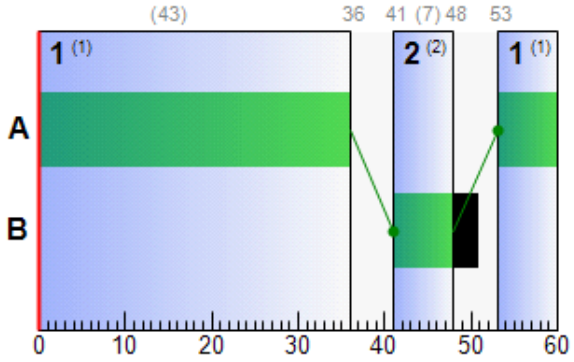
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
12	A	1	✓	53	36	43
	B	1	✓	41	48	7

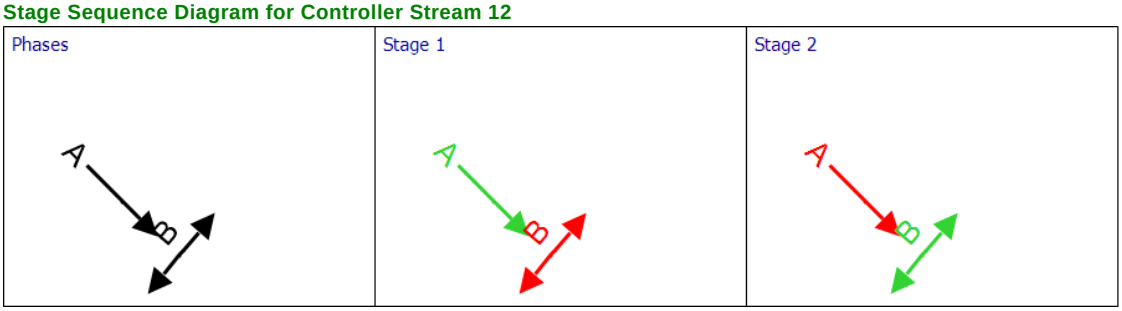
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
52	1	6	12	A	53	36	43

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	60

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	19, 30

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	35	19	44	1	7
	2	✓	2	B	24	30	6	1	6

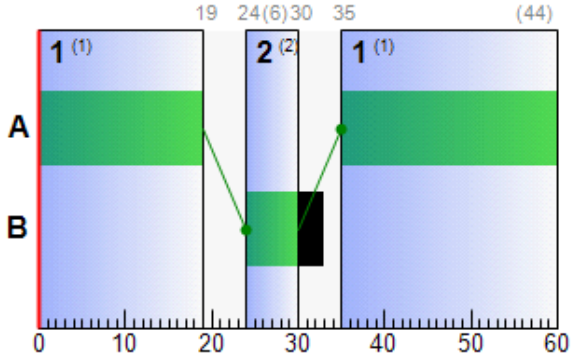
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
13	A	1	✓	35	19	44
	B	1	✓	24	30	6

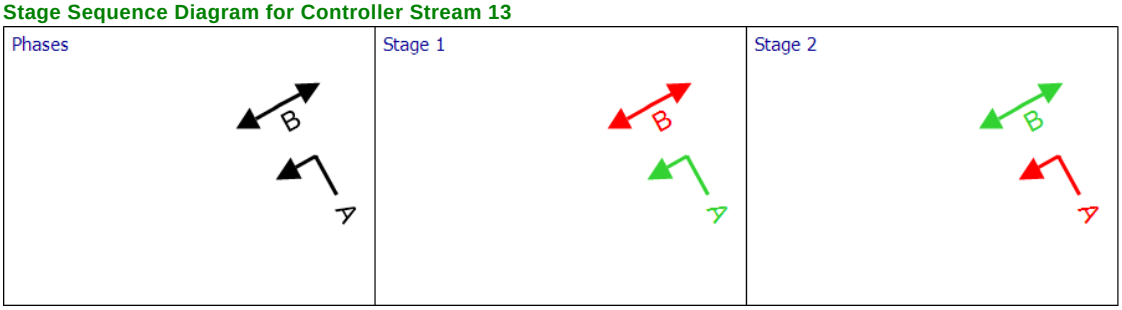
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
54	1	4	13	A	35	19	44

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	60

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, C	1
	2	B	1

Losing / Gaining Phase Delays

Controller Stream	Delay	Type	Phase	From stage	To stage	Relative delay
769-1	1	Losing	A	1	2	4

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
769-1	1	(untitled)	Single	1, 2	29, 51

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	11
	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,C	56	29	33	1	7
	2	✓	2	B	40	51	11	1	7

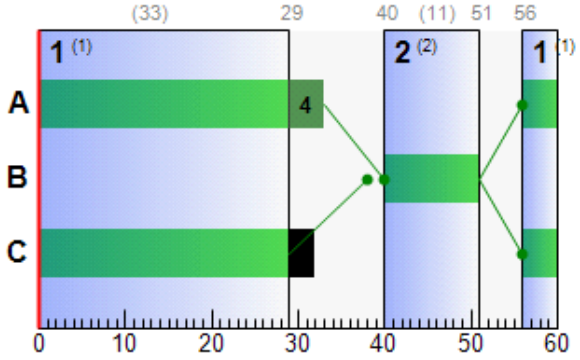
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
769-1	A	1	✓	56	33	37
	B	1	✓	40	51	11
	C	1	✓	56	29	33

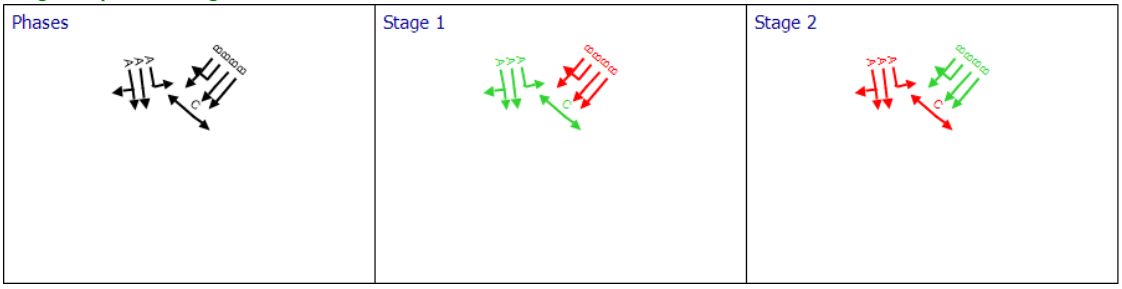
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
B	1	1	769-1	B	40	51	11
B	2	1	769-1	B	40	51	11
B	3	1	769-1	B	40	51	11
B	4	1	769-1	B	40	51	11
Bc	1	1	769-1	A	56	33	37
Bc	2	1	769-1	A	56	33	37
Bc	3	1	769-1	A	56	33	37

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	60

Controller Stream 769-2 - Properties

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

Controller Stream 769-2 - Optimisation

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

Phases

Controller Stream	Phase	Name	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type	Blackout Time (s)
769-2	D	(untitled)	7	300	0	0	Traffic	
	E	(untitled)	7	300	0	0	Traffic	
	F	(untitled)	4	300	0	0	Traffic	
	G	(untitled)	4	300	0	0	Traffic	
	H	(untitled)	5	300	0	0	Pedestrian	3
	I	(untitled)	7	300	0	0	Pedestrian	3
	J	(untitled)	10	300	0	0	Pedestrian	3
	K	(untitled)	5	300	0	0	Pedestrian	3

Library Stages

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

Losing / Gaining Phase Delays

Controller Stream	Delay	Type	Phase	From stage	To stage	Relative delay	Absolute delay
769-2	1	Losing	I	4	5	2	
	2	Losing	H	4	5	4	
	3	Losing	D	4	5	7	
	4	Losing	E	4	5	8	
	5	Losing	F	5	4	5	
	6	Losing	G	5	4	6	
	7	Losing	K	5	4	7	
	8	Losing	G	6	4	8	
	9	Losing	I	4	6	4	
	10	Losing	H	4	6	6	
	11	Losing	D	4	6	6	
	12	Losing	E	4	6	7	
	14	Losing	K	6	4	7	
	15	Gaining	G	4	5	0	13
	16	Gaining	F	4	5	0	12
	17	Gaining	D	5	4	0	11
	18	Gaining	E	5	4	1	15
	19	Gaining	J	4	5	0	12
	20	Losing	J	5	4	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
769-2	1	(untitled)	Single		4, 5	5, 26		
	2	(untitled)	Single		4, 6, 5	0, 16, 32		
	3	(untitled)	Single		4, 5, 6	0, 29, 38		
	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	14	13
	5	15	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	41	5	24	1	1
	2	✓	5	F,G,J,K	19	26	7	1	7

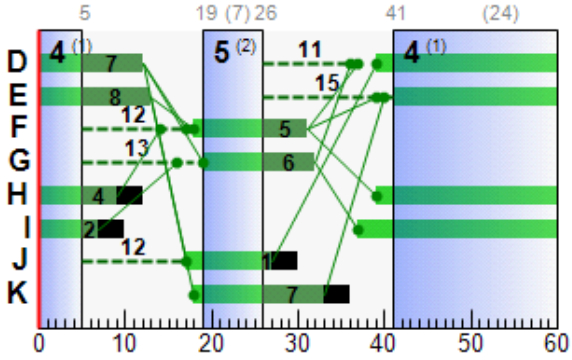
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
769-2	D	1	✓	39	12	33
	E	1	✓	41	13	32
	F	1	✓	18	31	13
	G	1	✓	19	32	13
	H	1	✓	39	9	30
	I	1	✓	37	7	30
	J	1	✓	17	27	10
	K	1	✓	18	33	15

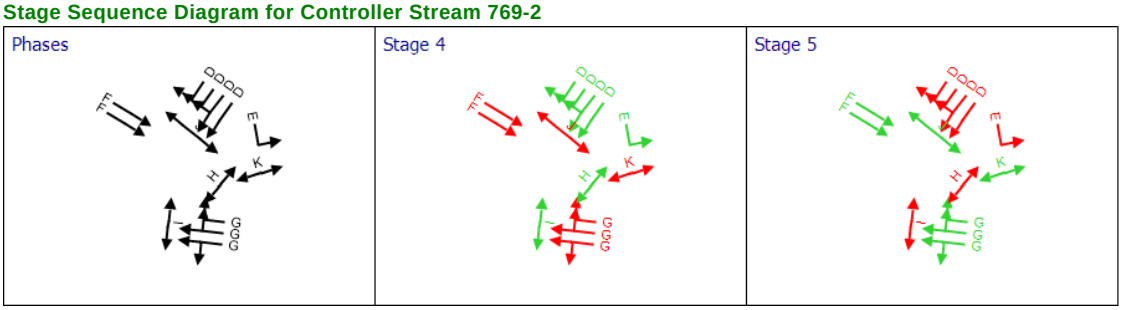
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
C	1	2	769-2	G	19	32	13
C	2	2	769-2	G	19	32	13
C	3	2	769-2	G	19	32	13
G	1	2	769-2	F	18	31	13
G	2	2	769-2	F	18	31	13
Cc1	1	2	769-2	E	41	13	32
Cc2	2	2	769-2	D	39	12	33
Cc2	3	2	769-2	D	39	12	33
Cc2	4	2	769-2	D	39	12	33
Cc2	5	2	769-2	D	39	12	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	60

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	Stage IDs	Stage ends
770-1	1	(untitled)	Single	1, 2	52, 18

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	23	52	29	1	5
	2	✓	2	B	59	18	19	1	7

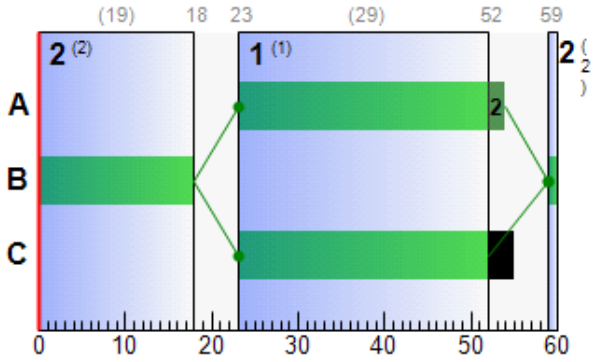
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
770-1	A	1	✓	23	54	31
	B	1	✓	59	18	19
	C	1	✓	23	52	29

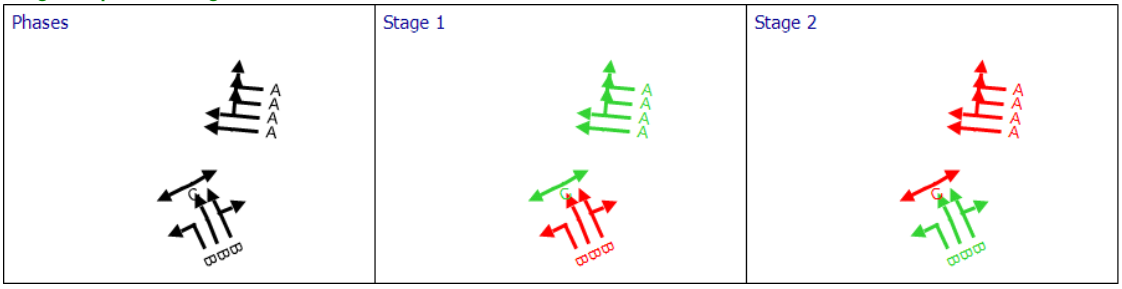
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
D	1	3	770-1	B	59	18	19
D	2	3	770-1	B	59	18	19
D	3	3	770-1	B	59	18	19
Dc	1	3	770-1	A	23	54	31
Dc	2	3	770-1	A	23	54	31
Dc	3	3	770-1	A	23	54	31
Dc	4	3	770-1	A	23	54	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	60

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	23, 35

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	42	23	41	1	7
	2	✓	5	E	28	35	7	1	5

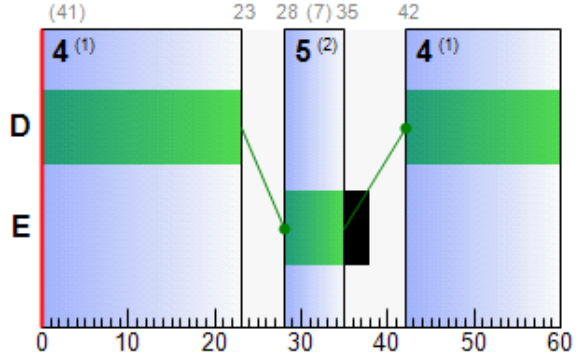
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
770-2	D	1	✓	42	23	41
	E	1	✓	28	35	7

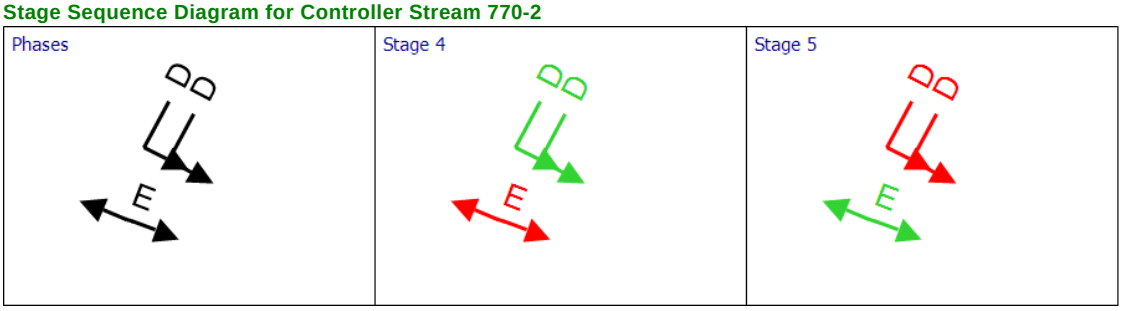
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
Dxp	1	3-2	770-2	D	42	23	41
Dxp	2	3-2	770-2	D	42	23	41

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	60

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	Stage IDs	Stage ends
770-3	1	(untitled)	Single	7, 9	15, 33

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	45	15	30	1	2
	2	✓	9	G,H	26	33	7	1	1

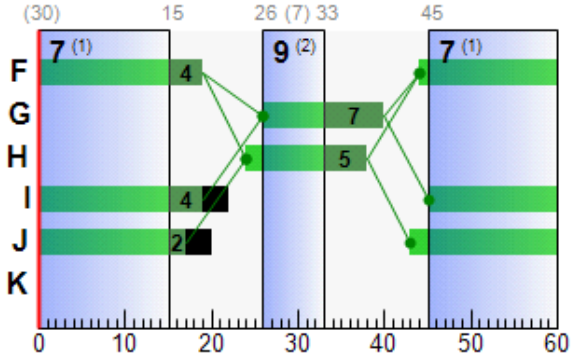
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
770-3	F	1	✓	44	19	35
	G	1	✓	26	40	14
	H	1	✓	24	38	14
	I	1	✓	45	19	34
	J	1	✓	43	17	34

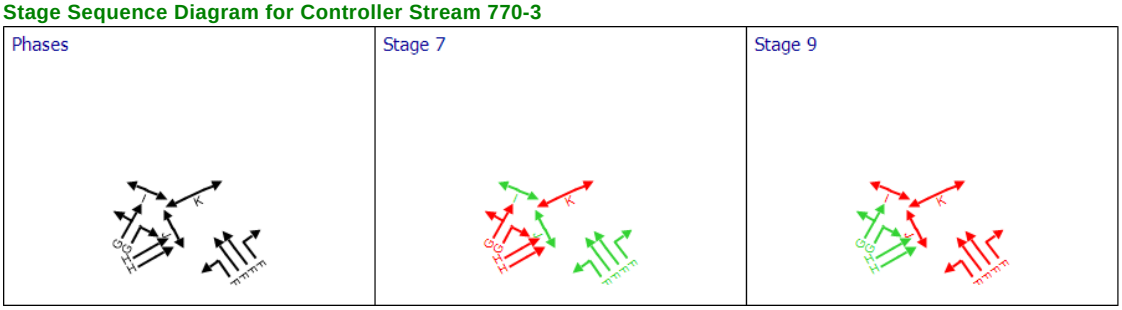
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
Ec	1	4	770-3	F	44	19	35
Ec	2	4	770-3	F	44	19	35
Ec	3	4	770-3	F	44	19	35
Ec	4	4	770-3	F	44	19	35
E1	1	4	770-3	G	26	40	14
E1	2	4	770-3	G	26	40	14
E2	3	4	770-3	H	24	38	14
E2	4	4	770-3	H	24	38	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	60

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	24, 37

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	44	24	40	1	7
	2	✓	12	M	29	37	8	1	6

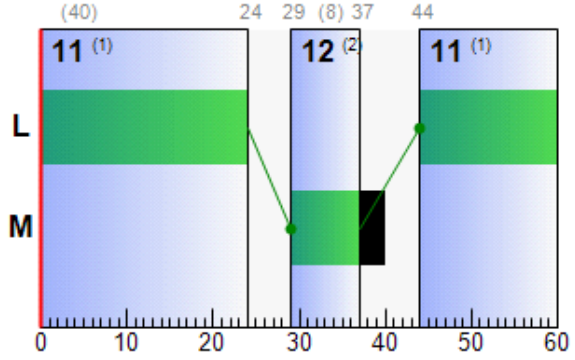
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
770-4	L	1	✓	44	24	40
	M	1	✓	29	37	8

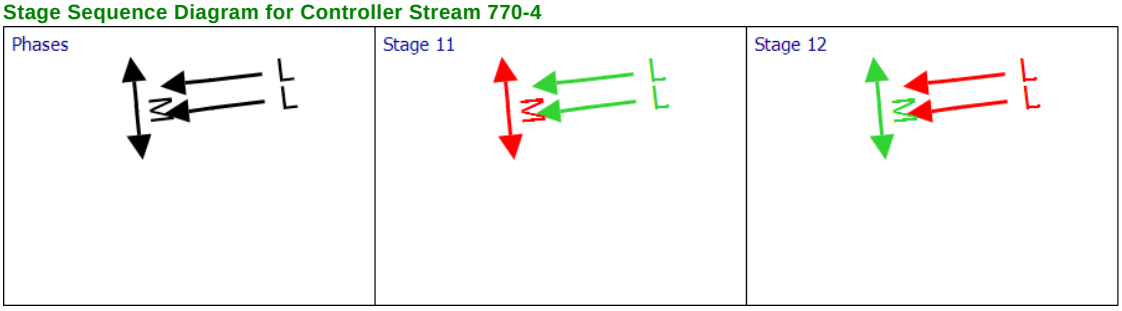
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
Exp	1	4-2	770-4	L	44	24	40
Exp	2	4-2	770-4	L	44	24	40

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	60

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	Stage IDs	Stage ends
771-1	1	(untitled)	Single	1, 3	45, 11

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	16	45	29	1	9
	2	✓	3	B	56	11	15	1	7

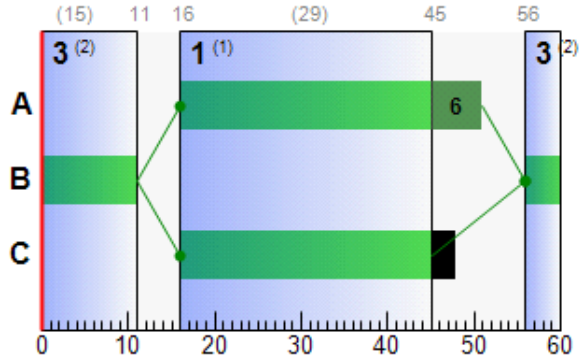
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
771-1	A	1	✓	16	51	35
	B	1	✓	56	11	15
	C	1	✓	16	45	29

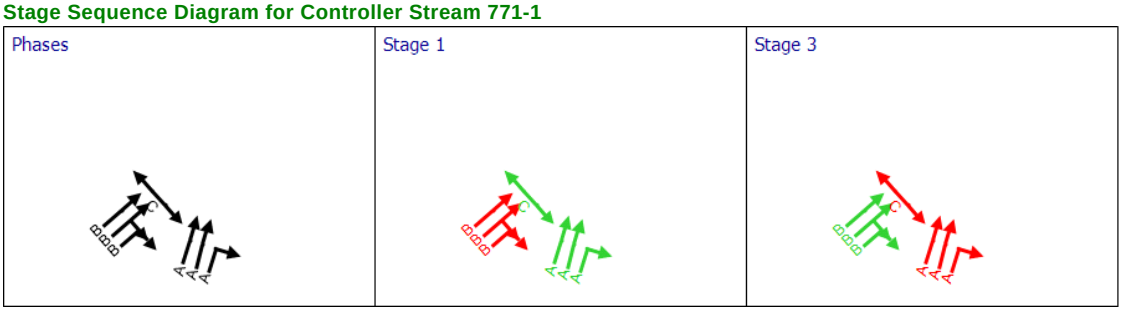
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
F	1	5	771-1	B	56	11	15
F	2	5	771-1	B	56	11	15
F	3	5	771-1	B	56	11	15
Fc	1	5	771-1	A	16	51	35
Fc	2	5	771-1	A	16	51	35
Fc	3	5	771-1	A	16	51	35

Phase Timings Diagram for Controller Stream 771-1



Stage Sequence Diagram for Controller Stream 771-1



Controller Stream 771-2

Controller Stream	Name	Description	Use sequence	Cycle time source	Cycle time (s)
771-2	(untitled)		1	NetworkDefault	60

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	Stage IDs	Stage ends
771-2	1	(untitled)	Single	5, 6	13, 46

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	51	13	22	1	7
	2	✓	6	E	18	46	28	1	7

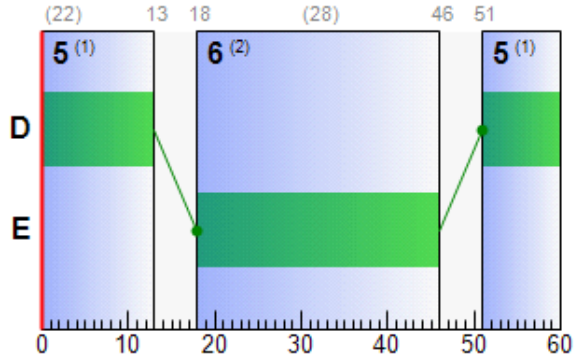
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
771-2	D	1	✓	51	13	22
	E	1	✓	18	46	28

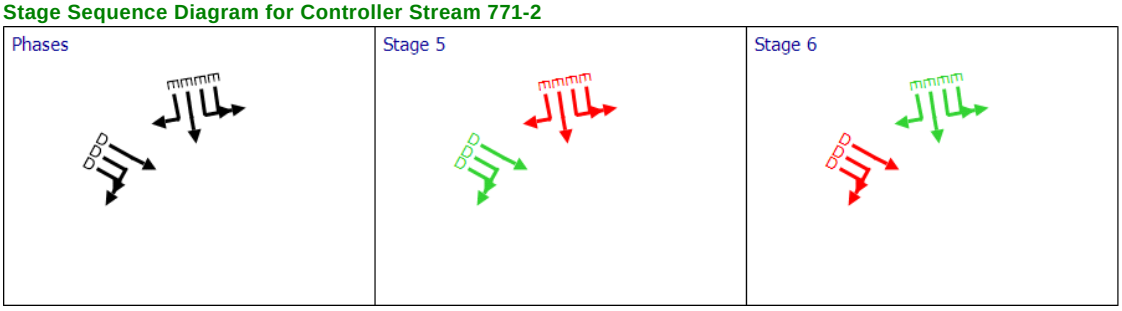
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
A	1	6	771-2	E	18	46	28
A	2	6	771-2	E	18	46	28
A	3	6	771-2	E	18	46	28
A	4	6	771-2	E	18	46	28
Ac	1	6	771-2	D	51	13	22
Ac	2	6	771-2	D	51	13	22
Ac	3	6	771-2	D	51	13	22

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	60

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	A, F, J	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
TC777-1	1	(untitled)	Single	1, 5, 7	46, 2, 14

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	19	46	27	1	7
	2	✓	5	D,H,I	53	2	9	1	6
	3	✓	7	A,F,J	8	14	6	1	6

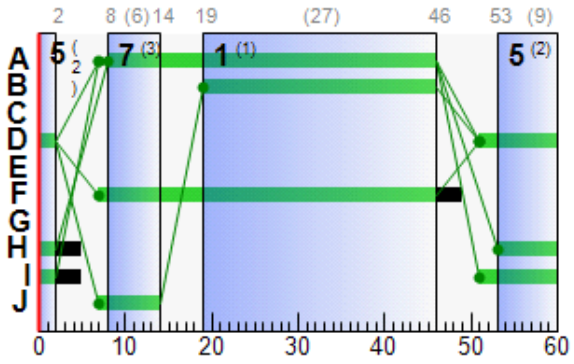
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
TC777-1	A	1	✓	8	46	38
	B	1	✓	19	46	27
	D	1	✓	51	2	11
	F	1	✓	7	46	39
	H	1	✓	53	2	9
	I	1	✓	51	2	11
	J	1	✓	7	14	7

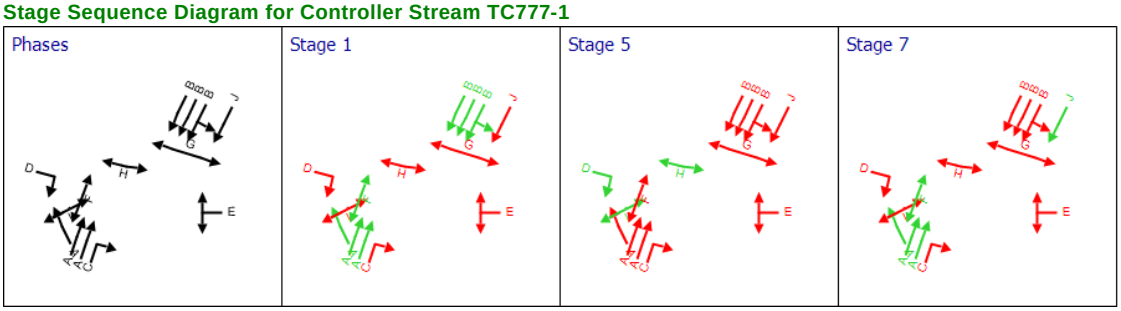
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
TC5	2	TC771-6	TC777-1	A	8	46	38
TC5	3	TC771-6	TC777-1	A	8	46	38
TC5	4	TC771-6	TC777-1	C			
TC9	1	TC771-6	TC777-1	B	19	46	27
TC9	2	TC771-6	TC777-1	B	19	46	27
TC9	3	TC771-6	TC777-1	B	19	46	27
TC35	1	TC771-6	TC777-1	A	8	46	38
TC41	1	TC771-6	TC777-1	D	51	2	11
TC42	1	TC771-6	TC777-1	E			
55	1	TC771-6	TC777-1	J	7	14	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	60

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	53, 3

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	8	53	45	1	7
	2	✓	2	K	58	3	5	1	5

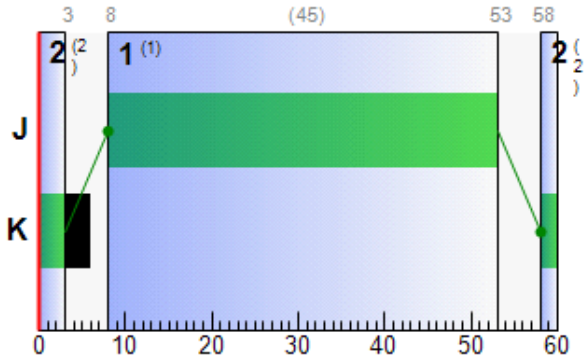
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
TC777-2	J	1	✓	8	53	45
	K	1	✓	58	3	5

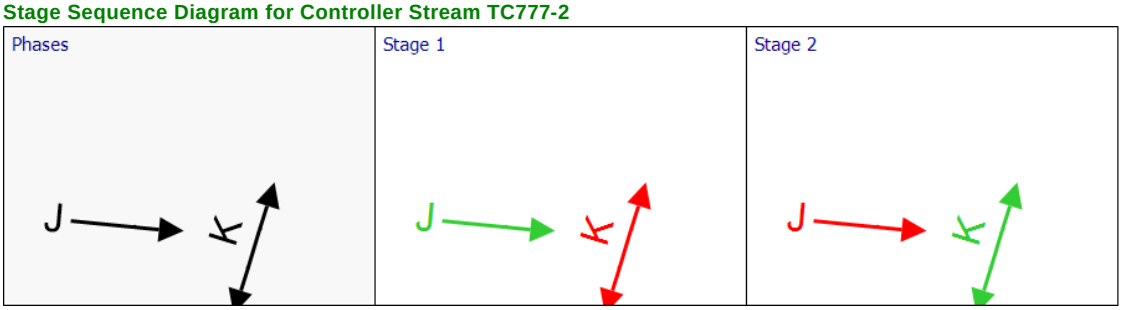
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
TC37	1	TC771-6	TC777-2	J	8	53	45

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)
16:30-17:30	(ALL)	0.00	0.00	0.00	0.00

Results - Link

Results - Traffic Stream

Results - Traffic Stream: Vehicle summary

Time Segment	Arm	Traffic Stream	Name	Phase	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Calculated capacity (PCU/hr)	Degree of saturation (%)	Practical reserve capacity (%)	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	JourneyTime (s)
		1	(untitled)	E	765	2050	28	991	77	17	19.65	7.79	60.12	25.24

	A	2	(untitled)	E	339	2050	28	991	34	163	12.72	2.88	21.53	18.49
		3	(untitled)	E	807	2050	28	991	81	11	16.29	5.87	42.96	22.18
		4	(untitled)	E	572	2050	28	991	58	56	10.73	4.47	31.99	16.75
	Ac	1	(untitled)	D	783	2263	22	867	90	0	34.56	17.85	107.16	41.75
		2	(untitled)	D	290	2263	22	753	38	134	26.21	3.53	22.01	35.71
		3	(untitled)	D	452	2263	22	866	52	73	19.66	4.17	27.28	26.25
	Acf	1	(untitled)		1073	2263	60	2263	47	90	0.72	0.21	1.77	5.94
		2	(untitled)		452	2263	60	2263	20	351	0.20	0.02	0.20	7.44
	Af	1	(untitled)		1104	2050	60	2050	54	67	1.02	0.31	3.25	7.68
		2	(untitled)		807	2050	60	2050	39	129	0.57	0.13	1.32	7.23
		3	(untitled)		572	2050	60	2050	28	223	0.34	0.05	0.56	7.03
	B	1	(untitled)	B	275	2050	11	407	68	33	31.19	4.51	27.37	38.29
		2	(untitled)	B	401	2150	11	430	93	-3	65.40	10.49	62.06	72.69
		3	(untitled)	B	347	2100	11	413	84	7	44.37	7.10	40.97	51.84
		4	(untitled)	B	261	2050	11	410	64	41	29.57	4.32	24.25	41.86
	Bc	1	(untitled)	A	716	2050	37	1298	55	63	8.99	5.55	24.04	20.95
		2	(untitled)	A	1113	2050	37	1298	86	5	23.39	18.71	81.83	35.22
		3	(untitled)	A	631	2050	37	1284	49	83	17.12	9.99	44.14	28.83
	Bcf	1	(untitled)		1548	2263	60	2263	68	32	1.72	0.74	6.77	6.04
		2	(untitled)		716	2263	60	2263	32	184	0.37	0.07	0.67	5.63
		3	(untitled)		1113	2263	60	2263	49	83	0.77	0.24	2.19	6.64
		4	(untitled)		631	2263	60	2263	28	223	0.31	0.05	0.50	6.65
	Bf	1	(untitled)		676	1800	60	1800	38	140	0.60	0.11	0.28	27.94
		2	(untitled)		608	1800	60	1800	34	166	0.51	0.09	0.22	27.92
	C	1	(untitled)	G	481	2100	13	489	98	-9	181.25	28.98	137.56	195.78
		2	(untitled)	G	422	2200	13	513	82	9	37.29	8.13	38.19	51.98
		3	(untitled)	G	143	2050	13	478	30	201	20.58	1.97	9.11	35.51
	Cf	1	(untitled)		503	1965	60	481	105	-14	192.80	32.93	130.95	210.16
		2	(untitled)		565	1965	60	1965	29	213	0.37	0.06	0.23	17.87
	D	1	(untitled)	B	280	2050	19	683	41	120	17.56	3.73	38.97	21.69
		2	(untitled)	B	342	1850	19	617	55	62	21.07	5.04	52.70	25.20
		3	(untitled)	B	373	2250	19	695	54	68	20.41	5.32	54.82	24.60
	Dc	1	(untitled)	A	827	2100	31	826	100	-10	76.12	21.06	238.96	79.92
		2	(untitled)	A	823	2100	31	1120	73	23	15.68	7.94	93.71	19.34
		3	(untitled)	A	306	2100	31	1120	27	230	13.91	2.80	34.43	17.41
		4	(untitled)	A	404	2100	31	1120	36	150	19.82	5.69	73.02	23.19
	Dcf	1	(untitled)		1133	2050	60	2050	55	63	1.08	0.34	2.97	6.03
		2	(untitled)		1403	2100	60	1539	91	-1	14.35	12.27	107.04	19.29
		3	(untitled)		823	2100	60	1532	54	68	3.42	5.04	42.27	8.81
		4	(untitled)		306	2100	60	2100	15	518	0.15	0.01	0.11	6.81
		5	(untitled)		404	2100	60	2079	19	363	0.23	2.34	20.13	5.25
	Df	1	(untitled)	B	610	1900	43	1393	44	106	4.15	4.07	11.69	28.15
		2	(untitled)	B	373	2250	43	1650	23	298	2.88	2.00	5.75	26.88
	Dxp	1	(untitled)	D	1133	2050	41	1435	79	14	5.41	2.98	36.70	8.91
		2	(untitled)	D	576	2050	41	1435	40	124	1.69	0.96	11.39	5.34
	Ec	1	(untitled)	F	593	2150	35	1290	46	96	5.60	5.95	68.28	9.36
		2	(untitled)	F	578	2263	35	1358	43	112	7.88	5.28	62.73	11.51
		3	(untitled)	F	518	2263	35	1358	38	136	11.58	6.57	80.73	15.08
		4	(untitled)	F	296	2250	35	1350	22	310	1.16	0.43	5.33	4.61
	Ecf	1	(untitled)		925	2100	60	1565	59	52	7.93	6.97	87.27	11.37
		2	(untitled)		1004	2100	60	2100	48	88	0.78	0.22	2.71	4.26
		3	(untitled)		578	2263	60	2263	26	253	0.27	0.04	0.54	3.79
		4	(untitled)		847	2300	60	2258	38	140	0.50	2.36	26.94	4.47
	Ef	1	(untitled)		853	1900	60	1182	72	25	10.82	10.64	47.97	26.13
		2	(untitled)		627	1900	60	548	114	-21	258.99	51.44	231.90	274.30
	Exp	1	(untitled)	L	925	2050	40	1401	66	36	9.45	7.49	83.08	13.34
		2	(untitled)	L	411	2050	40	1401	29	207	10.76	5.88	63.00	14.78
16:30-17:30		1	(untitled)	B	187	2100	15	560	33	170	19.34	2.50	16.88	25.72

	F	2	(untitled)	B	295	2100	15	560	53	71	22.33	4.06	27.24	28.76
		3	(untitled)	B	361	2100	15	560	64	40	25.25	5.45	35.95	31.79
	Fc	1	(untitled)	A	679	2263	35	1358	50	80	8.28	6.97	21.89	27.39
		2	(untitled)	A	608	2263	35	1317	46	95	11.11	8.56	27.11	30.03
		3	(untitled)	A	833	2263	35	1358	61	47	10.69	5.61	17.89	30.36
	Ff	1	(untitled)		482	1900	60	1900	25	255	0.32	0.04	0.09	33.41
		2	(untitled)		361	1900	60	1900	19	374	0.22	0.02	0.05	33.27
	G	1	(untitled)	F	338	2050	13	338	100	-10	328.90	35.78	131.74	344.97
		2	(untitled)	F	243	2050	13	461	53	71	39.33	4.93	18.58	50.78
	Gf	1	(untitled)		334	2050	60	1211	28	226	16.98	4.52	66.80	19.90
		2	(untitled)		214	2050	60	2050	10	762	0.10	2.33	34.77	2.99
	xA	1	(untitled)		776	2263	60	2127	36	147	0.55	2.42	6.07	17.77
		2	(untitled)		662	2263	60	2263	29	208	0.33	0.06	0.15	17.58
	xB	1	(untitled)		1320	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	6.79
	xC	1	(untitled)		713	1900	60	713	100	-10	115.06	30.47	151.54	123.73
		2	(untitled)		587	1900	60	796	74	22	10.61	7.98	39.58	19.31
	xD	1	(untitled)		1133	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
		2	(untitled)		575	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
	xE	1	(untitled)		925	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		411	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	xF	1	(untitled)		705	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.06
	Cc1	1	(untitled)	E	719	2050	32	1128	64	41	13.40	8.36	50.13	19.95
	E1	1	(untitled)	G	308	2050	14	513	60	50	34.16	5.50	39.50	40.16
		2	(untitled)	G	545	2200	14	550	99	-9	130.82	23.92	171.95	136.82
	Gf1	1	(untitled)		33	641	60	641	5	1648	0.15	0.00	0.02	3.85
	Cc2	2	(untitled)	D	1043	2150	33	1182	88	2	22.65	15.93	100.04	29.35
		3	(untitled)	D	641	2050	33	1162	55	63	5.37	2.58	16.63	12.44
		4	(untitled)	D	1079	2150	33	1200	90	0	22.98	16.07	103.84	29.55
		5	(untitled)	D	261	2050	33	1162	22	301	0.45	0.03	0.21	8.43
	E2	3	(untitled)	H	334	2150	14	334	100	-10	155.78	15.62	168.59	159.78
		4	(untitled)	H	214	2050	14	513	42	115	31.38	2.68	28.41	35.45
	TC5	2	(untitled)	A	718	2263	38	1509	48	89	4.48	3.10	77.43	7.25
		3	(untitled)	A	662	2263	38	1509	44	105	3.96	2.61	65.11	6.72
		4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	963	1925	27	963	100	-10	86.17	30.97	194.18	97.18
		2	(untitled)	B	783	1966	27	983	80	13	19.47	11.02	68.78	30.52
		3	(untitled)	B	426	1947	27	974	44	106	11.04	4.19	26.01	22.17
	TC35	1	(untitled)	A	59	1900	38	1267	5	1846	1.47	0.12	2.83	4.37
	TC36	1	(untitled)		371	1800	60	1800	21	337	0.26	0.03	0.61	3.29
	TC37	1	(untitled)	J	75	1850	45	1418	5	1602	1.82	0.29	3.80	5.01
	TC38	1	(untitled)		75	465	60	465	16	458	3.09	2.43	65.57	4.63
	TC39	2	(untitled)		718	2263	60	2263	32	184	0.37	0.07	1.20	2.91
		3	(untitled)		662	2263	60	2263	29	208	0.33	0.06	1.04	2.73
	TC40	2	(untitled)		793	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		662	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	296	1850	11	370	80	12	41.18	5.62	59.13	45.12
	TC42	1	(untitled)	E	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC43	1	(untitled)		0	1800	60	1800	0	Unrestricted	0.00	0.00	0.00	0.00
	47	1	(untitled)		1300	1300	60	1300	100	-10	48.58	17.54	75.48	64.61
	48	1	(untitled)		1068	1965	60	1965	54	66	1.09	0.32	3.37	7.70
	49	1	(untitled)		1173	1900	60	978	120	-25	317.68	116.19	2545.67	320.83
		2	(untitled)		1209	1900	60	1900	64	41	1.65	0.55	12.15	4.80
	50	1	(untitled)		1284	1900	60	1900	68	33	1.97	0.70	8.37	7.74
	51	1	(untitled)		843	1900	60	1900	44	103	0.75	0.18	2.71	5.25
	52	1		A	1549	1800	43	1320	117	-23	285.92	138.77	3191.67	288.92
	53	1		A	12	1800	7	240	5	1700	23.36	0.17	0.50	47.36
	54	1		A	705	1800	44	1350	52	72	2.68	6.16	177.23	5.08
	55	1		J	15	1800	7	240	6	1340	14.28	0.19	1.20	25.05

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	15	22	7	1	7
	2	✓	2	B	27	10	43	1	7
12	1	✓	1	A	53	36	43	1	7
	2	✓	2	B	41	48	7	1	6
13	1	✓	1	A	35	19	44	1	7
	2	✓	2	B	24	30	6	1	6
769-1	1	✓	1	A,C	56	29	33	1	7
	2	✓	2	B	40	51	11	1	7
769-2	1	✓	4	D,E,H,I	41	5	24	1	1
	2	✓	5	F,G,J,K	19	26	7	1	7
770-1	1	✓	1	A,C	23	52	29	1	5
	2	✓	2	B	59	18	19	1	7
770-2	1	✓	4	D	42	23	41	1	7
	2	✓	5	E	28	35	7	1	5
770-3	1	✓	7	F,I,J	45	15	30	1	2
	2	✓	9	G,H	26	33	7	1	1
770-4	1	✓	11	L	44	24	40	1	7
	2	✓	12	M	29	37	8	1	6
771-1	1	✓	1	A,C	16	45	29	1	9
	2	✓	3	B	56	11	15	1	7
771-2	1	✓	5	D	51	13	22	1	7
	2	✓	6	E	18	46	28	1	7
TC777-1	1	✓	1	A,B,F	19	46	27	1	7
	2	✓	5	D,H,I	53	2	9	1	6
	3	✓	7	A,F,J	8	14	6	1	6
TC777-2	1	✓	1	J	8	53	45	1	7
	2	✓	2	K	58	3	5	1	5

Data Entry - Phase

Phase

Controller Stream	Phase	Phase	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	Unknown
	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	✓	55.52	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	55.52	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	55.74	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	✓	55.80	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	✓	56.54	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	✓	100.49	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**		25.00	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
53	**1**		200.00	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
54	**1**		20.00	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
55	**1**	✓	89.69	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)
16:30-17:30	1	1	0	0	7	0.00	0.00
		2	0	0	7	0.00	0.00
	2	1	0	0	29	0.00	0.00
		2	0	0	29	0.00	0.00
	3	1	0	0	8	0.00	0.00
		2	0	0	8	0.00	0.00
	4	1	0	0	34	0.00	0.00
		2	0	0	34	0.00	0.00
	5	1	0	0	34	0.00	0.00
		2	0	0	34	0.00	0.00
	6	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	7	1	0	0	29	0.00	0.00
		2	0	0	29	0.00	0.00
	8	1	0	0	33	0.00	0.00
		2	0	0	33	0.00	0.00
	9	1	0	0	10	0.00	0.00
		2	0	0	10	0.00	0.00
	10	1	0	0	15	0.00	0.00
		2	0	0	15	0.00	0.00
	11	1	0	0	30	0.00	0.00
		2	0	0	30	0.00	0.00
	12	1	0	0	30	0.00	0.00
		2	0	0	30	0.00	0.00
	13	1	0	0	11	0.00	0.00
		2	0	0	11	0.00	0.00
	14	1	0	0	39	0.00	0.00
		2	0	0	39	0.00	0.00
	15	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	16	1	0	0	9	0.00	0.00
		2	0	0	9	0.00	0.00
	17	1	0	0	5	0.00	0.00
		2	0	0	5	0.00	0.00
	18	1	0	0	7	0.00	0.00
		2	0	0	7	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	77	17	765	2050	28	19.65	7.79	60.12	59.27	15.28	74.55
		2	34	163	339	2050	28	12.72	2.88	21.53	17.01	5.69	22.70
		3	81	11	807	2050	28	16.29	5.87	42.96	51.84	11.32	63.16

		4	58	56	572	2050	28	10.73	4.47	31.99	24.19	8.61	32.80
	Ac	1	90	0	783	2263	22	34.56	17.85	107.16	106.81	31.00	137.81
		2	38	134	290	2263	22	26.21	3.53	22.01	29.98	3.35	33.33
		3	52	73	452	2263	22	19.66	4.17	27.28	35.03	8.08	43.11
	Acf	1	47	90	1073	2263	60	0.72	0.21	1.77	3.04	0.00	3.04
		2	20	351	452	2263	60	0.20	0.02	0.20	0.35	0.00	0.35
	Af	1	54	67	1104	2050	60	1.02	0.31	3.25	4.45	0.00	4.45
		2	39	129	807	2050	60	0.57	0.13	1.32	1.81	0.00	1.81
		3	28	223	572	2050	60	0.34	0.05	0.56	0.77	0.00	0.77
	B	1	68	33	275	2050	11	31.19	4.51	27.37	33.84	8.63	42.47
		2	93	-3	401	2150	11	65.40	10.49	62.06	103.45	18.80	122.25
		3	84	7	347	2100	11	44.37	7.10	40.97	60.72	13.28	74.00
		4	64	41	261	2050	11	29.57	4.32	24.25	30.44	3.24	33.68
	Bc	1	55	63	716	2050	37	8.99	5.55	24.04	25.40	7.62	33.01
		2	86	5	1113	2050	37	23.39	18.71	81.83	102.67	25.42	128.08
		3	49	83	631	2050	37	17.12	9.99	44.14	42.58	13.75	56.33
	Bcf	1	68	32	1548	2263	60	1.72	0.74	6.77	10.48	0.00	10.48
		2	32	184	716	2263	60	0.37	0.07	0.67	1.04	0.00	1.04
		3	49	83	1113	2263	60	0.77	0.24	2.19	3.37	0.00	3.37
		4	28	223	631	2263	60	0.31	0.05	0.50	0.76	0.00	0.76
	Bf	1	38	140	676	1800	60	0.60	0.11	0.28	1.60	0.00	1.60
		2	34	166	608	1800	60	0.51	0.09	0.22	1.22	0.00	1.22
	C	1	98	-9	481	2100	13	181.25	28.98	137.56	343.89	20.17	364.06
		2	82	9	422	2200	13	37.29	8.13	38.19	62.08	6.03	68.11
		3	30	201	143	2050	13	20.58	1.97	9.11	11.61	1.48	13.09
	Cf	1	105	-14	503	1965	60	192.80	32.93	130.95	382.53	19.52	402.05
		2	29	213	565	1965	60	0.37	0.06	0.23	0.82	0.00	0.82
	D	1	41	120	280	2050	19	17.56	3.73	38.97	19.39	7.18	26.57
		2	55	62	342	1850	19	21.07	5.04	52.70	28.43	9.26	37.68
		3	54	68	373	2250	19	20.41	5.32	54.82	30.04	10.35	40.39
	Dc	1	100	-10	827	2100	31	76.12	21.06	238.96	248.34	35.44	283.78
		2	73	23	823	2100	31	15.68	7.94	93.71	50.90	15.26	66.16
		3	27	230	306	2100	31	13.91	2.80	34.43	16.77	5.51	22.27
		4	36	150	404	2100	31	19.82	5.69	73.02	31.59	11.19	42.78
	Dcf	1	55	63	1133	2050	60	1.08	0.34	2.97	4.84	0.00	4.84
		2	91	-1	1403	2100	60	14.35	12.27	107.04	79.42	21.03	100.45
		3	54	68	823	2100	60	3.42	5.04	42.27	11.10	6.72	17.82
		4	15	518	306	2100	60	0.15	0.01	0.11	0.18	0.00	0.18
		5	19	363	404	2100	60	0.23	2.34	20.13	0.37	0.27	0.64
	Df	1	44	106	610	1900	43	4.15	4.07	11.69	9.99	2.83	12.81
		2	23	298	373	2250	43	2.88	2.00	5.75	4.24	1.37	5.61
	Dxp	1	79	14	1133	2050	41	5.41	2.98	36.70	24.19	5.49	29.68
		2	40	124	576	2050	41	1.69	0.96	11.39	3.83	1.78	5.62
	Ec	1	46	96	593	2150	35	5.60	5.95	68.28	13.10	10.64	23.74
		2	43	112	578	2263	35	7.88	5.28	62.73	17.95	10.08	28.02
		3	38	136	518	2263	35	11.58	6.57	80.73	23.65	12.61	36.26
		4	22	310	296	2250	35	1.16	0.43	5.33	1.36	0.82	2.18
	Ecf	1	59	52	925	2100	60	7.93	6.97	87.27	28.92	12.41	41.33
		2	48	88	1004	2100	60	0.78	0.22	2.71	3.11	0.00	3.11
		3	26	253	578	2263	60	0.27	0.04	0.54	0.62	0.00	0.62
		4	38	140	847	2300	60	0.50	2.36	26.94	1.68	0.67	2.36
	Ef	1	72	25	853	1900	60	10.82	10.64	47.97	36.42	7.25	43.67
		2	114	-21	627	1900	60	258.99	51.44	231.90	640.53	20.31	660.84
	Exp	1	66	36	925	2050	40	9.45	7.49	83.08	34.50	14.34	48.83
		2	29	207	411	2050	40	10.76	5.88	63.00	17.44	11.37	28.80
16:30-17:30	F	1	33	170	187	2100	15	19.34	2.50	16.88	14.26	4.70	18.96
		2	53	71	295	2100	15	22.33	4.06	27.24	25.99	7.81	33.80
		3	64	40	361	2100	15	25.25	5.45	35.95	35.95	10.29	46.24

	Fc	1	50	80	679	2263	35	8.28	6.97	21.89	22.18	5.95	28.13
		2	46	95	608	2263	35	11.11	8.56	27.11	26.63	7.52	34.16
		3	61	47	833	2263	35	10.69	5.61	17.89	35.16	5.36	40.52
	Ff	1	25	255	482	1900	60	0.32	0.04	0.09	0.61	0.00	0.61
		2	19	374	361	1900	60	0.22	0.02	0.05	0.32	0.00	0.32
	G	1	100	-10	338	2050	13	328.90	35.78	131.74	438.66	25.84	464.51
		2	53	71	243	2050	13	39.33	4.93	18.58	37.72	8.15	45.88
	Gf	1	28	226	334	2050	60	16.98	4.52	66.80	22.38	8.62	31.00
		2	10	762	214	2050	60	0.10	2.33	34.77	0.09	0.01	0.10
	xA	1	36	147	776	2263	60	0.55	2.42	6.07	1.68	0.83	2.51
		2	29	208	662	2263	60	0.33	0.06	0.15	0.86	0.00	0.86
	xB	1	0	Unrestricted	1320	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	100	-10	713	1900	60	115.06	30.47	151.54	323.79	32.96	356.75
		2	74	22	587	1900	60	10.61	7.98	39.58	24.57	13.94	38.51
	xD	1	0	Unrestricted	1133	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	575	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	0	Unrestricted	925	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	411	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	0	Unrestricted	705	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	64	41	719	2050	32	13.40	8.36	50.13	38.01	16.59	54.60
	E1	1	60	50	308	2050	14	34.16	5.50	39.50	41.50	10.62	52.13
		2	99	-9	545	2200	14	130.82	23.92	171.95	281.23	40.71	321.94
	Gf1	1	5	1648	33	641	60	0.15	0.00	0.02	0.02	0.00	0.02
	Cc2	2	88	2	1043	2150	33	22.65	15.93	100.04	93.20	29.80	122.99
		3	55	63	641	2050	33	5.37	2.58	16.63	13.56	3.43	16.99
		4	90	0	1079	2150	33	22.98	16.07	103.84	97.81	27.23	125.03
		5	22	301	261	2050	33	0.45	0.03	0.21	0.46	0.00	0.46
	E2	3	100	-10	334	2150	14	155.78	15.62	168.59	205.31	22.35	227.66
		4	42	115	214	2050	14	31.38	2.68	28.41	26.52	5.17	31.69
	TC5	2	48	89	718	2263	38	4.48	3.10	77.43	12.69	2.33	15.02
		3	44	105	662	2263	38	3.96	2.61	65.11	10.35	1.96	12.31
		4	0	-100	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	100	-10	963	1925	27	86.17	30.97	194.18	327.15	21.02	348.17
		2	80	13	783	1966	27	19.47	11.02	68.78	60.14	8.20	68.34
		3	44	106	426	1947	27	11.04	4.19	26.01	18.56	3.15	21.71
	TC35	1	5	1846	59	1900	38	1.47	0.12	2.83	0.34	0.09	0.43
	TC36	1	21	337	371	1800	60	0.26	0.03	0.61	0.38	0.00	0.38
	TC37	1	5	1602	75	1850	45	1.82	0.29	3.80	0.54	0.61	1.15
	TC38	1	16	458	75	465	60	3.09	2.43	65.57	0.92	1.04	1.96
	TC39	2	32	184	718	2263	60	0.37	0.07	1.20	1.05	0.00	1.05
		3	29	208	662	2263	60	0.33	0.06	1.04	0.86	0.00	0.86
	TC40	2	0	Unrestricted	793	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		3	0	Unrestricted	662	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	TC41	1	80	12	296	1850	11	41.18	5.62	59.13	48.08	11.51	59.59
	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	60	0.00	0.00	0.00	0.00	0.00	0.00
	47	1	100	-10	1300	1300	60	48.58	17.54	75.48	249.09	0.00	249.09
	48	1	54	66	1068	1965	60	1.09	0.32	3.37	4.59	0.00	4.59
	49	1	120	-25	1173	1900	60	317.68	116.19	2545.67	1469.86	38.99	1508.86
		2	64	41	1209	1900	60	1.65	0.55	12.15	7.88	0.00	7.88
	50	1	68	33	1284	1900	60	1.97	0.70	8.37	9.96	0.00	9.96
	51	1	44	103	843	1900	60	0.75	0.18	2.71	2.51	0.00	2.51
	52	1	117	-23	1549	1800	43	285.92	138.77	3191.67	1746.49	51.36	1797.85
	53	1	5	1700	12	1800	7	23.36	0.17	0.50	1.11	0.13	1.23
	54	1	52	72	705	1800	44	2.68	6.16	177.23	7.44	3.48	10.93
	55	1	6	1340	15	1800	7	14.28	0.19	1.20	0.85	0.13	0.98

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	765	765	132	✓	2050	991	77		17	0.73	28
		2	339	339	60	✓	2050	991	34		163	0.78	28
		3	807	807	3	✓	2050	991	81		11	0.95	28
		4	572	572	0		2050	991	58		56	0.84	28
	Ac	1	783	783	6	✓	2263	867	90	✓	0	1.07	22
		2	290	290	-1	✓	2263	753	38		134	1.47	22
		3	452	452	0	✓	2263	866	52		73	1.11	22
	Acf	1	1073	1073	5	✓	2263	2263	47		90	0.77	60
		2	452	452	0	✓	2263	2263	20		351	1.11	60
	Af	1	1104	1104	193	✓	2050	2050	54		67	0.74	60
		2	807	807	3	✓	2050	2050	39		129	0.95	60
		3	572	572	0		2050	2050	28		223	0.84	60
	B	1	275	275	0		2050	407	68		33	0.00	11
		2	401	401	0		2150	430	93	✓	-3	0.00	11
		3	347	347	0		2100	413	84		7	0.00	11
		4	261	261	-1		2050	410	64		41	0.00	11
	Bc	1	716	716	59	✓	2050	1298	55		63	0.96	37
		2	1113	1113	3	✓	2050	1298	86		5	0.72	37
		3	631	631	0		2050	1284	49		83	1.10	37
	Bcf	1	1548	1548	138	✓	2263	2263	68		32	0.43	60
		2	716	716	59	✓	2263	2263	32		184	0.96	60
		3	1113	1113	3	✓	2263	2263	49		83	0.72	60
		4	631	631	0		2263	2263	28		223	1.10	60
	Bf	1	676	676	0		1800	1800	38		140	0.00	60
		2	608	608	-1		1800	1800	34		166	0.00	60
	C	1	481	481	22	✓	2100	489	98	✓	-9	1.24	13
		2	422	422	0		2200	513	82		9	0.00	13
		3	143	143	0		2050	478	30		201	0.00	13
	Cf	1	503	481	0		1965	481	105	✓	-14	0.00	60
		2	565	565	0		1965	1965	29		213	0.00	60
	D	1	280	280	0		2050	683	41		120	0.53	19
		2	342	342	0		1850	617	55		62	0.53	19
		3	373	373	0		2250	695	54		68	0.53	19
	Dc	1	827	826	19	✓	2100	826	100	✓	-10	0.69	31
		2	823	823	0		2100	1120	73		23	0.72	31
		3	306	306	0		2100	1120	27		230	1.14	31
		4	404	404	-1		2100	1120	36		150	1.40	31
	Dcf	1	1133	1133	15	✓	2050	2050	55		63	0.71	60
		2	1403	1403	20	✓	2100	1539	91	✓	-1	0.44	60
		3	823	823	0		2100	1532	54		68	0.70	60
		4	306	306	0		2100	2100	15		518	1.14	60
		5	404	404	-1		2100	2079	19		363	1.41	60
	Df	1	610	610	0		1900	1393	44		106	0.00	43
		2	373	373	0		2250	1650	23		298	0.00	43
	Dxp	1	1133	1133	15	✓	2050	1435	79		14	0.67	41
		2	576	575	1	✓	2050	1435	40		124	0.80	41
	Ec	1	593	593	0		2150	1290	46		96	1.03	35
		2	578	578	0		2263	1358	43		112	0.99	35
		3	518	518	-1		2263	1358	38		136	1.15	35
		4	296	296	-1		2250	1350	22		310	1.34	35
	Ecf	1	925	925	19	✓	2100	1565	59		52	0.83	60
		2	1004	1004	-1		2100	2100	48		88	0.88	60
		3	578	578	0		2263	2263	26		253	0.99	60
		4	847	847	-1		2300	2258	38		140	1.13	60

16:30-17:30	Ef	1	853	853	0		1900	1182	72		25	0.00	60
		2	627	548	0		1900	548	114	✓	-21	0.00	60
	Exp	1	925	925	19	✓	2050	1401	66		36	0.82	40
		2	411	411	-1		2050	1401	29		207	1.19	40
	F	1	187	187	0		2100	560	33		170	0.00	15
		2	295	295	-1	✓	2100	560	53		71	0.00	15
		3	361	361	-1		2100	560	64		40	0.00	15
	Fc	1	679	679	2	✓	2263	1358	50		80	1.01	35
		2	608	608	1	✓	2263	1317	46		95	0.96	35
		3	833	833	7	✓	2263	1358	61		47	1.05	35
	Ff	1	482	482	-1	✓	1900	1900	25		255	0.00	60
		2	361	361	-1		1900	1900	19		374	0.00	60
	G	1	338	338	48	✓	2050	338	100	✓	-10	1.20	13
		2	243	243	31	✓	2050	461	53		71	1.37	13
	Gf	1	334	334	48	✓	2050	1211	28		226	1.51	60
		2	214	214	31	✓	2050	2050	10		762	1.60	60
	xA	1	776	776	2	✓	2263	2127	36		147	0.90	60
		2	662	662	1	✓	2263	2263	29		208	1.13	60
	xB	1	1320	1320	366	✓	Unrestricted	Unrestricted	0		Unrestricted	0.47	60
	xC	1	713	713	74	✓	1900	713	100	✓	-10	0.77	60
		2	587	587	56	✓	1900	796	74		22	0.96	60
	xD	1	1133	1133	15	✓	Unrestricted	Unrestricted	0		Unrestricted	0.63	60
		2	575	575	3	✓	Unrestricted	Unrestricted	0		Unrestricted	0.68	60
	xE	1	925	925	19	✓	Unrestricted	Unrestricted	0		Unrestricted	0.87	60
		2	411	411	-1		Unrestricted	Unrestricted	0		Unrestricted	1.22	60
	xF	1	705	705	2	✓	Unrestricted	Unrestricted	0		Unrestricted	0.64	60
	Cc1	1	719	719	51	✓	2050	1128	64		41	1.13	32
	E1	1	308	304	0		2050	513	60		50	0.63	14
		2	545	537	0		2200	550	99	✓	-9	0.63	14
	Gf1	1	33	33	0		641	641	5		1648	1.43	60
	Cc2	2	1043	1043	11	✓	2150	1182	88		2	0.53	33
		3	641	641	0		2050	1162	55		63	1.06	33
		4	1079	1078	1	✓	2150	1200	90		0	0.67	33
		5	261	261	-1		2050	1162	22		301	1.60	33
	E2	3	334	334	48	✓	2150	334	100	✓	-10	1.22	14
		4	214	214	31	✓	2050	513	42		115	1.22	14
	TC5	2	718	718	1	✓	2263	1509	48		89	0.92	38
		3	662	662	1	✓	2263	1509	44		105	1.13	38
		4	0	0	0		0	0	0		-100	0.00	0
	TC9	1	963	963	192	✓	1925	963	100	✓	-10	0.81	27
		2	783	783	0		1966	983	80		13	0.00	27
		3	426	426	0		1947	974	44		106	0.00	27
	TC35	1	59	59	0		1900	1267	5		1846	1.03	38
	TC36	1	371	371	1		1800	1800	21		337	0.00	60
	TC37	1	75	75	0		1850	1418	5		1602	0.00	45
	TC38	1	75	75	0		465	465	16		458	0.47	60
	TC39	2	718	718	1	✓	2263	2263	32		184	1.15	60
		3	662	662	1	✓	2263	2263	29		208	1.37	60
	TC40	2	793	793	1	✓	Unrestricted	Unrestricted	0		Unrestricted	0.86	60
		3	662	662	1	✓	Unrestricted	Unrestricted	0		Unrestricted	1.17	60
	TC41	1	296	296	1		1850	370	80		12	0.00	11
	TC42	1	0	0	0		0	0	0		-100	0.00	0
	TC43	1	0	0	0		1800	1800	0		Unrestricted	0.00	60
	47	1	1300	1300	130	✓	1300	1300	100	✓	-10	0.00	60
	48	1	1068	1068	0		1965	1965	54		66	0.00	60
	49	1	1173	978	-1		1900	978	120	✓	-25	0.00	60
		2	1209	1209	0		1900	1900	64		41	0.00	60
	50	1	1284	1284	-1		1900	1900	68		33	0.00	60

	51	**1**	843	843	-2	✓	1900	1900	44		103	0.00	60
	52	**1**	1549	1320	137	✓	1800	1320	117	✓	-23	0.37	43
	53	**1**	12	12	0		1800	240	5		1700	0.00	7
	54	**1**	705	705	2	✓	1800	1350	52		72	0.89	44
	55	**1**	15	15	3	✓	1800	240	6		1340	0.74	7

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	19.65	4.17	59.27	62.24	476.02	15.28
		2	5.77	12.72	1.20	17.01	52.31	177.34	5.69
		3	5.90	16.29	3.65	51.84	43.71	352.74	11.32
		4	6.03	10.73	1.70	24.19	46.91	268.17	8.61
	Ac	**1**	7.19	34.56	7.52	106.81	123.26	965.68	31.00
		2	9.50	26.21	2.11	29.98	67.65	196.18	3.35
		3	6.60	19.66	2.47	35.03	55.72	251.72	8.08
	Acf	**1**	5.22	0.72	0.21	3.04	0.00	0.00	0.00
		2	7.24	0.20	0.02	0.35	0.00	0.00	0.00
	Af	**1**	6.66	1.02	0.31	4.45	0.00	0.00	0.00
		2	6.66	0.57	0.13	1.81	0.00	0.00	0.00
		3	6.69	0.34	0.05	0.77	0.00	0.00	0.00
	B	**1**	7.10	31.19	2.38	33.84	97.78	268.89	8.63
		2	7.29	65.40	7.29	103.45	146.06	585.69	18.80
		3	7.48	44.37	4.28	60.72	119.19	413.59	13.28
		4	12.29	29.57	2.14	30.44	98.89	258.11	3.24
	Bc	**1**	11.96	8.99	1.79	25.40	47.72	341.67	7.62
		2	11.83	23.39	7.23	102.67	102.47	1140.18	25.42
		3	11.71	17.12	3.00	42.58	97.79	616.73	13.75
	Bcf	**1**	4.33	1.72	0.74	10.48	0.00	0.00	0.00
		2	5.26	0.37	0.07	1.04	0.00	0.00	0.00
		3	5.87	0.77	0.24	3.37	0.00	0.00	0.00
		4	6.34	0.31	0.05	0.76	0.00	0.00	0.00
	Bf	**1**	27.34	0.60	0.11	1.60	0.00	0.00	0.00
		2	27.41	0.51	0.09	1.22	0.00	0.00	0.00
	C	**1**	14.54	181.25	24.22	343.89	334.42	1608.56	20.17
		2	14.68	37.29	4.37	62.08	113.95	480.88	6.03
		3	14.92	20.58	0.82	11.61	82.65	118.19	1.48
	Cf	**1**	17.35	192.80	26.94	382.53	323.61	1556.65	19.52
		2	17.50	0.37	0.06	0.82	0.00	0.00	0.00
	D	**1**	4.13	17.56	1.37	19.39	79.85	223.57	7.18
		2	4.13	21.07	2.00	28.43	84.33	288.42	9.26
		3	4.19	20.41	2.12	30.04	86.47	322.53	10.35
	Dc	**1**	3.80	76.12	17.49	248.34	133.61	1103.97	35.44
		2	3.65	15.68	3.58	50.90	57.77	475.47	15.26
		3	3.51	13.91	1.18	16.77	56.13	171.57	5.51
		4	3.36	19.82	2.22	31.59	86.31	348.69	11.19
	Dcf	**1**	4.95	1.08	0.34	4.84	0.00	0.00	0.00
		2	4.94	14.35	5.59	79.42	46.69	655.15	21.03
		3	5.39	3.42	0.78	11.10	26.74	220.03	6.72
		4	6.66	0.15	0.01	0.18	0.00	0.00	0.00
		5	5.02	0.23	0.03	0.37	2.10	8.50	0.27
	Df	**1**	24.00	4.15	0.70	9.99	36.94	225.31	2.83
		2	24.00	2.88	0.30	4.24	29.31	109.34	1.37
	Dxp	**1**	3.50	5.41	1.70	24.19	15.09	170.99	5.49
		2	3.65	1.69	0.27	3.83	9.66	55.60	1.78
	Ec	**1**	3.76	5.60	0.92	13.10	55.89	331.44	10.64
		2	3.63	7.88	1.26	17.95	54.34	313.88	10.08
		3	3.51	11.58	1.67	23.65	75.83	392.79	12.61

		4	3.44	1.16	0.10	1.36	8.63	25.54	0.82
	Ecf	1	3.45	7.93	2.04	28.92	41.78	386.62	12.41
		2	3.48	0.78	0.22	3.11	0.00	0.00	0.00
		3	3.52	0.27	0.04	0.62	0.00	0.00	0.00
		4	3.96	0.50	0.12	1.68	2.61	22.12	0.67
	Ef	1	15.31	10.82	2.56	36.42	67.77	578.05	7.25
		2	15.31	258.99	45.11	640.53	295.33	1619.60	20.31
	Exp	1	3.89	9.45	2.43	34.50	48.27	446.65	14.34
		2	4.03	10.76	1.23	17.44	86.15	354.07	11.37
16:30-17:30	F	1	6.38	19.34	1.00	14.26	78.24	146.32	4.70
		2	6.43	22.33	1.83	25.99	82.51	243.39	7.81
		3	6.54	25.25	2.53	35.95	88.78	320.48	10.29
	Fc	1	19.11	8.28	1.56	22.18	52.63	357.51	5.95
		2	18.92	11.11	1.88	26.63	74.33	451.74	7.52
		3	19.66	10.69	2.48	35.16	42.14	351.21	5.36
	Ff	1	33.09	0.32	0.04	0.61	0.00	0.00	0.00
		2	33.05	0.22	0.02	0.32	0.00	0.00	0.00
	G	1	16.06	328.90	30.89	438.66	447.88	1514.30	25.84
		2	11.45	39.33	2.66	37.72	104.60	254.03	8.15
	Gf	1	2.92	16.98	1.58	22.38	80.37	268.54	8.62
		2	2.88	0.10	0.01	0.09	0.18	0.39	0.01
	xA	1	17.22	0.55	0.12	1.68	3.35	25.97	0.83
		2	17.25	0.33	0.06	0.86	0.00	0.00	0.00
	xB	1	6.79	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	8.67	115.06	22.80	323.79	143.98	1026.82	32.96
		2	8.70	10.61	1.73	24.57	74.00	434.25	13.94
	xD	1	9.13	0.00	0.00	0.00	0.00	0.00	0.00
		2	9.21	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	13.04	0.00	0.00	0.00	0.00	0.00	0.00
		2	13.04	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	12.06	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	6.55	13.40	2.68	38.01	58.70	422.24	16.59
	E1	1	6.00	34.16	2.92	41.50	108.97	331.00	10.62
		2	6.00	130.82	19.80	281.23	235.97	1268.33	40.71
	Gf1	1	3.69	0.15	0.00	0.02	0.00	0.00	0.00
	Cc2	2	6.71	22.65	6.56	93.20	80.54	840.31	29.80
		3	7.08	5.37	0.95	13.56	17.44	111.76	3.43
		4	6.57	22.98	6.89	97.81	72.13	777.54	27.23
		5	7.98	0.45	0.03	0.46	0.00	0.00	0.00
	E2	3	4.00	155.78	14.46	205.31	208.41	696.33	22.35
		4	4.07	31.38	1.87	26.52	75.22	161.07	5.17
	TC5	2	2.76	4.48	0.89	12.69	25.92	186.02	2.33
		3	2.76	3.96	0.73	10.35	23.62	156.36	1.96
		4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	11.00	86.17	23.04	327.15	174.18	1676.46	21.02
		2	11.05	19.47	4.24	60.14	83.49	653.71	8.20
		3	11.12	11.04	1.31	18.56	59.04	251.53	3.15
	TC35	1	2.90	1.47	0.02	0.34	12.16	7.12	0.09
	TC36	1	3.03	0.26	0.03	0.38	0.00	0.00	0.00
	TC37	1	3.19	1.82	0.04	0.54	23.45	17.59	0.61
	TC38	1	1.53	3.09	0.06	0.92	39.91	29.93	1.04
	TC39	2	2.54	0.37	0.07	1.05	0.00	0.00	0.00
		3	2.40	0.33	0.06	0.86	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	41.18	3.39	48.08	111.65	330.48	11.51
	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	48.58	17.54	249.09	0.00	0.00	0.00
	48	1	6.61	1.09	0.32	4.59	0.00	0.00	0.00
	49	1	3.15	317.68	103.51	1469.86	318.14	3109.84	38.99
		2	3.15	1.65	0.55	7.88	0.00	0.00	0.00
	50	1	5.78	1.97	0.70	9.96	0.00	0.00	0.00
	51	1	4.50	0.75	0.18	2.51	0.00	0.00	0.00
	52	1	3.00	285.92	122.99	1746.49	310.32	4096.23	51.36
	53	1	24.00	23.36	0.08	1.11	85.35	10.24	0.13
	54	1	2.40	2.68	0.52	7.44	39.37	277.71	3.48
	55	1	10.76	14.28	0.06	0.85	71.32	10.70	0.13

Traffic Stream Results: Queues and blocking

Time Segment	Arm	Traffic Stream	Initial queue (PCU)	Mean max queue (PCU)	Max queue storage (PCU)	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))	Estimated blocking
	A	1	0.00	7.79	12.96	60.12	0.00	0.00	
		2	0.00	2.88	13.37	21.53	0.00	7.00	
		3	0.00	5.87	13.67	42.96	0.00	4.00	
		4	0.00	4.47	13.97	31.99	0.00	5.00	
	Ac	1	0.00	17.85	16.66	107.16	0.00	2.00	
		2	0.00	3.53	16.06	22.01	0.00	15.02	
		3	0.00	4.17	15.30	27.28	0.00	4.03	
	Acf	1	0.00	0.21	12.10	1.77	0.00	13.00	
		2	0.00	0.02	12.25	0.20	0.00	29.00	
	Af	1	0.00	0.31	9.66	3.25	0.00	17.00	
		2	0.00	0.13	9.66	1.32	0.00	20.00	
		3	0.00	0.05	9.69	0.56	0.00	17.00	
	B	1	0.00	4.51	16.46	27.37	0.00	0.08	
		2	0.00	10.49	16.90	62.06	0.00	0.00	
		3	0.00	7.10	17.34	40.97	0.00	0.21	
		4	0.00	4.32	17.81	24.25	0.00	0.00	
	Bc	1	0.00	5.55	23.10	24.04	0.00	16.00	
		2	0.00	18.71	22.87	81.83	0.00	4.00	
		3	0.00	9.99	22.63	44.14	0.00	14.41	
	Bcf	1	0.00	0.74	10.90	6.77	0.00	60.00	
		2	0.00	0.07	10.98	0.67	0.00	26.00	
		3	0.00	0.24	10.84	2.19	0.00	16.00	
		4	0.00	0.05	10.83	0.50	0.00	26.00	
	Bf	1	0.00	0.11	39.62	0.28	0.00	0.00	
		2	0.00	0.09	39.73	0.22	0.00	0.00	
	C	1	0.00	28.98	21.07	137.56	0.00	0.03	
		2	0.00	8.13	21.28	38.19	0.00	0.00	
		3	0.00	1.97	21.63	9.11	0.00	0.00	
	Cf	1	0.00	32.93	25.15	130.95	0.00	45.31	
		2	0.00	0.06	25.37	0.23	0.00	0.00	
	D	1	0.00	3.73	9.57	38.97	0.00	4.00	
		2	0.00	5.04	9.57	52.70	0.00	4.00	
		3	0.00	5.32	9.71	54.82	0.00	5.46	
	Dc	1	0.00	21.06	8.81	238.96	0.00	8.39	
		2	0.00	7.94	8.47	93.71	0.00	7.00	
		3	0.00	2.80	8.14	34.43	0.00	11.00	
		4	0.00	5.69	7.80	73.02	0.00	14.00	
	Dcf	1	0.00	0.34	11.47	2.97	0.00	12.00	
		2	0.00	12.27	11.46	107.04	0.00	17.02	
		3	0.00	5.04	11.93	42.27	0.00	24.23	
		4	0.00	0.01	11.60	0.11	0.00	31.00	
		5	0.00	2.34	11.64	20.13	0.00	34.59	
	Df	1	0.00	4.07	34.78	11.69	0.00	0.00	
		2	0.00	2.00	34.78	5.75	0.00	0.00	

16:30-17:30	Dxp	1	0.00	2.98	8.11	36.70	0.00	1.00	
		2	0.00	0.96	8.46	11.39	0.00	2.00	
	Ec	1	0.00	5.95	8.71	68.28	0.00	11.00	
		2	0.00	5.28	8.42	62.73	0.00	10.00	
		3	0.00	6.57	8.13	80.73	0.00	10.00	
		4	0.00	0.43	7.99	5.33	0.00	20.00	
	Ecf	1	0.00	6.97	7.99	87.27	0.00	23.28	
		2	0.00	0.22	8.06	2.71	0.00	19.00	
		3	0.00	0.04	8.16	0.54	0.00	23.00	
		4	0.00	2.36	8.76	26.94	0.00	27.09	
	Ef	1	0.00	10.64	22.18	47.97	0.00	22.68	
		2	0.00	51.44	22.18	231.90	0.00	42.68	
	Exp	1	0.00	7.49	9.01	83.08	0.00	4.00	
		2	0.00	5.88	9.34	63.00	0.00	27.00	
	F	1	0.00	2.50	14.80	16.88	0.00	0.00	
		2	0.00	4.06	14.91	27.24	0.00	0.00	
		3	0.00	5.45	15.17	35.95	0.00	0.00	
	Fc	1	0.00	6.97	31.86	21.89	0.00	6.00	
		2	0.00	8.56	31.56	27.11	0.00	7.07	
		3	0.00	5.61	31.35	17.89	0.00	6.00	
	Ff	1	0.00	0.04	47.95	0.09	0.00	0.00	
		2	0.00	0.02	47.89	0.05	0.00	0.00	
	G	1	0.00	35.78	27.16	131.74	0.00	4.10	
		2	0.00	4.93	26.54	18.58	0.00	4.51	
	Gf	1	0.00	4.52	6.76	66.80	0.00	49.55	
		2	0.00	2.33	6.69	34.77	0.00	48.00	
	xA	1	0.00	2.42	39.94	6.07	0.00	15.61	
		2	0.00	0.06	39.99	0.15	0.00	25.00	
	xB	1	0.00	0.00	9.83	0.00	0.00	8.00	
	xC	1	0.00	30.47	20.10	151.54	0.00	37.48	
		2	0.00	7.98	20.17	39.58	0.00	38.87	
	xD	1	0.00	0.00	21.17	0.00	0.00	12.00	
		2	0.00	0.00	21.35	0.00	0.00	14.00	
	xE	1	0.00	0.00	30.24	0.00	0.00	17.00	
		2	0.00	0.00	30.23	0.00	0.00	33.00	
	xF	1	0.00	0.00	17.48	0.00	0.00	8.00	
	Cc1	1	0.00	8.36	16.67	50.13	0.00	9.00	
	E1	1	0.00	5.50	13.91	39.50	0.00	6.00	
		2	0.00	23.92	13.91	171.95	0.00	0.00	
	Gf1	1	0.00	0.00	8.57	0.02	0.00	47.00	
	Cc2	2	0.00	15.93	15.93	100.04	0.00	1.02	
		3	0.00	2.58	15.52	16.63	0.00	8.00	
		4	0.00	16.07	15.47	103.84	0.00	1.52	
		5	0.00	0.03	15.42	0.21	0.00	22.00	
	E2	3	0.00	15.62	9.27	168.59	0.00	5.68	
		4	0.00	2.68	9.45	28.41	0.00	3.00	
	TC5	2	0.00	3.10	4.01	77.43	0.00	5.00	
		3	0.00	2.61	4.00	65.11	0.00	17.00	
		4	0.00	0.00	4.25	0.00	0.00	0.00	
	TC9	1	0.00	30.97	15.95	194.18	0.00	0.00	
		2	0.00	11.02	16.02	68.78	0.00	0.00	
		3	0.00	4.19	16.12	26.01	0.00	0.00	
	TC35	1	0.00	0.12	4.20	2.83	0.00	24.00	
	TC36	1	0.00	0.03	4.39	0.61	0.00	0.00	
	TC37	1	0.00	0.29	7.71	3.80	0.00	0.00	
	TC38	1	0.00	2.43	3.71	65.57	0.00	14.00	
	TC39	2	0.00	0.07	6.13	1.20	0.00	25.00	
		3	0.00	0.06	5.79	1.04	0.00	37.00	

	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	29.00	
	TC41	1	0.00	5.62	9.50	59.13	0.00	0.00	
	TC42	1	0.00	0.00	4.06	0.00	0.00	0.00	
	TC43	1	0.00	0.00	9.00	0.00	0.00	60.00	
	47	1	0.00	17.54	23.24	75.48	0.00	0.00	
	48	1	0.00	0.32	9.59	3.37	0.00	0.00	
	49	1	0.00	116.19	4.56	2545.67	0.00	29.13	
		2	0.00	0.55	4.56	12.15	0.00	0.00	
	50	1	0.00	0.70	8.37	8.37	0.00	0.00	
	51	1	0.00	0.18	6.52	2.71	0.00	0.00	
	52	1	0.00	138.77	4.35	3191.67	0.00	0.00	
	53	1	0.00	0.17	34.78	0.50	0.00	7.00	
	54	1	0.00	6.16	3.48	177.23	0.00	11.00	
	55	1	0.00	0.19	15.60	1.20	0.00	7.00	

Traffic Stream Results: Advanced

Time Segment	Arm	Traffic Stream	Degree of saturation penalty (£ per hr)	Ped gap accepting penalty (£ per hr)	Warmed up	Mean Max Queue EoTS (PCU)	Max End of Green Queue EoTS (PCU)	Max End of Red Queue EoTS (PCU)	PCU Factor	Cost of traffic penalties (£ per hr)	Performance Index (£ per hr)
	A	1	0.00	0.00	✓	7.80	1.29	7.80	1.00	0.00	74.55
		2	0.00	0.00	✓	2.88	0.09	2.88	1.00	0.00	22.70
		3	0.00	0.00	✓	5.90	1.76	5.89	1.00	0.00	63.16
		4	0.00	0.00	✓	4.47	0.39	4.45	1.00	0.00	32.80
	Ac	1	0.00	0.00		18.05	3.98	13.06	1.00	0.00	137.81
		2	0.00	0.00	✓	3.53	0.82	3.24	1.00	0.00	33.33
		3	0.00	0.00	✓	4.17	0.28	4.17	1.00	0.00	43.11
	Acf	1	0.00	0.00		0.21			1.00	0.00	3.04
		2	0.00	0.00	✓	0.02			1.00	0.00	0.35
	Af	1	0.00	0.00	✓	0.31			1.00	0.00	4.45
		2	0.00	0.00	✓	0.13			1.00	0.00	1.81
		3	0.00	0.00	✓	0.05			1.00	0.00	0.77
	B	1	0.00	0.00	✓	4.51	0.69	4.44	1.00	0.00	42.47
		2	0.00	0.00	✓	11.14	5.31	10.87	1.00	0.00	122.25
		3	0.00	0.00	✓	7.19	2.13	6.93	1.00	0.00	74.00
		4	0.00	0.00	✓	4.32	0.55	4.18	1.00	0.00	33.68
	Bc	1	0.00	0.00	✓	5.55	0.34	5.15	1.00	0.00	33.01
		2	0.00	0.00	✓	18.75	2.52	15.58	1.00	0.00	128.08
		3	0.00	0.00	✓	9.99	0.24	9.26	1.00	0.00	56.33
	Bcf	1	0.00	0.00		0.74			1.00	0.00	10.48
		2	0.00	0.00	✓	0.07			1.00	0.00	1.04
		3	0.00	0.00	✓	0.24			1.00	0.00	3.37
		4	0.00	0.00	✓	0.05			1.00	0.00	0.76
	Bf	1	0.00	0.00	✓	0.11			1.00	0.00	1.60
		2	0.00	0.00	✓	0.09			1.00	0.00	1.22
	C	1	0.00	0.00		31.86	19.02	31.86	1.00	0.00	364.06
		2	0.00	0.00	✓	8.18	1.85	7.67	1.00	0.00	68.11
		3	0.00	0.00	✓	1.97	0.06	1.93	1.00	0.00	13.09
	Cf	1	0.00	0.00		45.23			1.00	0.00	402.05
		2	0.00	0.00	✓	0.06			1.00	0.00	0.82
	D	1	0.00	0.00	✓	3.73	0.14	3.65	1.00	0.00	26.57
		2	0.00	0.00	✓	5.04	0.34	4.66	1.00	0.00	37.68
		3	0.00	0.00	✓	5.32	0.31	5.05	1.00	0.00	40.39
	Dc	1	0.00	0.00		27.22	22.01	27.21	1.00	0.00	283.78
		2	0.00	0.00		7.95	1.01	7.92	1.00	0.00	66.16
		3	0.00	0.00	✓	2.80	0.05	2.80	1.00	0.00	22.27
		4	0.00	0.00	✓	5.69	0.10	4.45	1.00	0.00	42.78
		1	0.00	0.00		0.34			1.00	0.00	4.84

	Dcf	2	0.00	0.00		12.43			1.00	0.00	100.45
		3	0.00	0.00		5.04			1.00	0.00	17.82
		4	0.00	0.00	✓	0.01			1.00	0.00	0.18
		5	0.00	0.00	✓	2.34			1.00	0.00	0.64
	Df	1	0.00	0.00	✓	4.07	0.17	2.88	1.00	0.00	12.81
		2	0.00	0.00	✓	2.00	0.03	1.69	1.00	0.00	5.61
	Dxp	1	0.00	0.00	✓	2.99	1.47	2.97	1.00	0.00	29.68
		2	0.00	0.00		0.96	0.13	0.96	1.00	0.00	5.62
	Ec	1	0.00	0.00		5.93	0.26	4.02	1.00	0.00	23.74
		2	0.00	0.00	✓	5.28	0.16	5.16	1.00	0.00	28.02
		3	0.00	0.00	✓	6.57	0.12	6.51	1.00	0.00	36.26
		4	0.00	0.00	✓	0.43	0.03	0.43	1.00	0.00	2.18
	Ecf	1	0.00	0.00		6.97			1.00	0.00	41.33
		2	0.00	0.00		0.22			1.00	0.00	3.11
		3	0.00	0.00	✓	0.04			1.00	0.00	0.62
		4	0.00	0.00	✓	2.36			1.00	0.00	2.36
	Ef	1	0.00	0.00		10.65			1.00	0.00	43.67
		2	0.00	0.00		90.89			1.00	0.00	660.84
	Exp	1	0.00	0.00		7.49	0.64	7.35	1.00	0.00	48.83
		2	0.00	0.00		5.88	0.06	5.15	1.00	0.00	28.80
16:30-17:30	F	1	0.00	0.00	✓	2.50	0.08	2.40	1.00	0.00	18.96
		2	0.00	0.00	✓	4.06	0.29	3.98	1.00	0.00	33.80
		3	0.00	0.00	✓	5.46	0.58	5.14	1.00	0.00	46.24
	Fc	1	0.00	0.00		6.97	0.25	5.78	1.00	0.00	28.13
		2	0.00	0.00		8.56	0.20	6.79	1.00	0.00	34.16
		3	0.00	0.00	✓	5.61	0.49	5.58	1.00	0.00	40.52
	Ff	1	0.00	0.00	✓	0.04			1.00	0.00	0.61
		2	0.00	0.00	✓	0.02			1.00	0.00	0.32
	G	1	0.00	0.00		39.58	31.18	38.45	1.00	0.00	464.51
		2	0.00	0.00		4.93	0.29	3.96	1.00	0.00	45.88
	Gf	1	0.00	0.00		4.52			1.00	0.00	31.00
		2	0.00	0.00		2.33			1.00	0.00	0.10
	xA	1	0.00	0.00		2.42			1.00	0.00	2.51
		2	0.00	0.00		0.06			1.00	0.00	0.86
	xB	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	xC	1	0.00	0.00		36.07			1.00	0.00	356.75
		2	0.00	0.00		7.99			1.00	0.00	38.51
	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	✓	8.36	0.56	6.26	1.00	0.00	54.60
	E1	1	0.00	0.00		5.50	0.45	5.48	1.00	0.00	52.13
		2	0.00	0.00		27.62	16.63	27.62	1.00	0.00	321.94
	Gf1	1	0.00	0.00	✓	0.00			1.00	0.00	0.02
	Cc2	2	0.00	0.00	✓	16.02	3.23	11.20	1.00	0.00	122.99
		3	0.00	0.00	✓	2.58	0.34	1.87	1.00	0.00	16.99
		4	0.00	0.00		16.20	3.87	10.89	1.00	0.00	125.03
		5	0.00	0.00	✓	0.03	0.03	0.03	1.00	0.00	0.46
	E2	3	0.00	0.00		19.40	15.91	19.40	1.00	0.00	227.66
		4	0.00	0.00		2.68	0.15	2.68	1.00	0.00	31.69
	TC5	2	0.00	0.00		3.10	0.22	3.06	1.00	0.00	15.02
		3	0.00	0.00		2.61	0.17	2.48	1.00	0.00	12.31
		4	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC9	1	0.00	0.00	✓	37.39	21.59	37.38	1.00	0.00	348.17
		2	0.00	0.00	✓	11.04	1.54	9.13	1.00	0.00	68.34
		3	0.00	0.00	✓	4.19	0.17	3.96	1.00	0.00	21.71

	TC35	**1**	0.00	0.00	✓	0.12	0.00	0.12	1.00	0.00	0.43
	TC36	**1**	0.00	0.00	✓	0.03			1.00	0.00	0.38
	TC37	**1**	0.00	0.00	✓	0.29	0.00	0.29	1.00	0.00	1.15
	TC38	**1**	0.00	0.00		2.43			1.00	0.00	1.96
	TC39	**2**	0.00	0.00		0.07			1.00	0.00	1.05
		3	0.00	0.00		0.06			1.00	0.00	0.86
	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	✓	5.66	1.55	5.58	1.00	0.00	59.59
	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		25.00			1.00	0.00	249.09
	48	**1**	0.00	0.00	✓	0.32			1.00	0.00	4.59
	49	**1**	0.00	0.00	✓	213.98			1.00	0.00	1508.86
		2	0.00	0.00	✓	0.56			1.00	0.00	7.88
	50	**1**	0.00	0.00	✓	0.70			1.00	0.00	9.96
	51	**1**	0.00	0.00	✓	0.18			1.00	0.00	2.51
	52	**1**	0.00	0.00	✓	253.11	231.43	236.45	1.00	0.00	1797.85
	53	**1**	0.00	0.00	✓	0.17	0.00	0.17	1.00	0.00	1.23
	54	**1**	0.00	0.00		6.16	0.29	1.75	1.00	0.00	10.93
	55	**1**	0.00	0.00	✓	0.19	0.00	0.19	1.00	0.00	0.98

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)
16:30-17:30	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	29	0.00	0.00	0.00	0.00
		2	0	0	11000	29	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	34	0.00	0.00	0.00	0.00
		2	0	0	11000	34	0.00	0.00	0.00	0.00
	5	1	0	0	11000	34	0.00	0.00	0.00	0.00
		2	0	0	11000	34	0.00	0.00	0.00	0.00
	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	29	0.00	0.00	0.00	0.00
		2	0	0	11000	29	0.00	0.00	0.00	0.00
	8	1	0	0	11000	33	0.00	0.00	0.00	0.00
		2	0	0	11000	33	0.00	0.00	0.00	0.00
	9	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
	10	1	0	0	11000	15	0.00	0.00	0.00	0.00
		2	0	0	11000	15	0.00	0.00	0.00	0.00
	11	1	0	0	11000	30	0.00	0.00	0.00	0.00
		2	0	0	11000	30	0.00	0.00	0.00	0.00
	12	1	0	0	11000	30	0.00	0.00	0.00	0.00
		2	0	0	11000	30	0.00	0.00	0.00	0.00
	13	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
	14	1	0	0	11000	39	0.00	0.00	0.00	0.00
		2	0	0	11000	39	0.00	0.00	0.00	0.00
	15	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
	16	1	0	0	11000	9	0.00	0.00	0.00	0.00
		2	0	0	11000	9	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	7	0.00	0.00	0.00	0.00
		2	0	0	11000	7	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))
16:30-17:30	1	1	0	0	0		11000	1833	0		Unrestricted	0.00	7
		2	0	0	0		11000	1833	0		Unrestricted	0.00	7
	2	1	0	0	0		11000	5867	0		Unrestricted	0.00	29
		2	0	0	0		11000	5867	0		Unrestricted	0.00	29
	3	1	0	0	0		11000	2017	0		Unrestricted	0.00	8
		2	0	0	0		11000	2017	0		Unrestricted	0.00	8
	4	1	0	0	0		11000	6783	0		Unrestricted	0.00	34
		2	0	0	0		11000	6783	0		Unrestricted	0.00	34
	5	1	0	0	0		11000	6783	0		Unrestricted	0.00	34
		2	0	0	0		11000	6783	0		Unrestricted	0.00	34
	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	5867	0		Unrestricted	0.00	29
		2	0	0	0		11000	5867	0		Unrestricted	0.00	29
	8	1	0	0	0		11000	6600	0		Unrestricted	0.00	33
		2	0	0	0		11000	6600	0		Unrestricted	0.00	33
	9	1	0	0	0		11000	2383	0		Unrestricted	0.00	10
		2	0	0	0		11000	2383	0		Unrestricted	0.00	10
	10	1	0	0	0		11000	3300	0		Unrestricted	0.00	15
		2	0	0	0		11000	3300	0		Unrestricted	0.00	15
	11	1	0	0	0		11000	6050	0		Unrestricted	0.00	30
		2	0	0	0		11000	6050	0		Unrestricted	0.00	30
	12	1	0	0	0		11000	6050	0		Unrestricted	0.00	30
		2	0	0	0		11000	6050	0		Unrestricted	0.00	30
	13	1	0	0	0		11000	2567	0		Unrestricted	0.00	11
		2	0	0	0		11000	2567	0		Unrestricted	0.00	11
	14	1	0	0	0		11000	7700	0		Unrestricted	0.00	39
		2	0	0	0		11000	7700	0		Unrestricted	0.00	39
	15	1	0	0	0		0	0	0		-100	0.00	0
		2	0	0	0		0	0	0		-100	0.00	0
	16	1	0	0	0		11000	2200	0		Unrestricted	0.00	9
		2	0	0	0		11000	2200	0		Unrestricted	0.00	9
	17	1	0	0	0		11000	1467	0		Unrestricted	0.00	5
		2	0	0	0		11000	1467	0		Unrestricted	0.00	5
	18	1	0	0	0		11000	1833	0		Unrestricted	0.00	7
		2	0	0	0		11000	1833	0		Unrestricted	0.00	7
	19	1	0	0	0		11000	1650	0		Unrestricted	0.00	6
		2	0	0	0		11000	1650	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)
16:30-17:30	(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)
16:30-17:30	(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)
16:30-17:30	(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
2	23/07/2021 08:44:59	23/07/2021 08:45:12	16:30	60	9612.56	614.45	120.00	49/1	15	10	TC5/4	49/1	TC5

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)
16:30-17:30	120	-100	71776	4809	30.82	8725.24	887.32	9612.56

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)
16:30-17:30	0	0	672	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))
16:30-17:30	71776	71237	2097	✓	120	✓	-100	5481

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)
16:30-17:30	8.20	30.82	614.45	8725.24	57.68	39744.32	887.32

Network Results: Queues and blocking

Time Segment	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))
16:30-17:30	3191.67	0.00	1472.07

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)
16:30-17:30	0.00	0.00		1.00	0.00	0.00	9612.56

Point to Point Journey Time

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	533.9	225.7	136.7	172.2	229.0	212.7	213.1	0.0
	B28	479.3	0.0	446.7	130.5	456.4	159.9	163.3	0.0
	C28	430.7	222.8	0.0	75.8	75.9	112.1	121.9	0.0
	D28	407.5	291.0	196.2	0.0	297.4	85.1	93.0	0.0
	E28	537.3	779.4	324.0	86.2	0.0	115.5	124.1	0.0
	F28	397.2	315.5	170.7	193.2	236.4	0.0	17.2	0.0
	G28	753.6	621.1	188.8	160.9	248.3	255.5	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	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	97	75.03	97	75.03
36	C28	E28	0	0.00	0	0.00
42	E28	C28	46	319.95	46	319.95
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	97	125.53	97	125.53
91	C28	F28	8	112.08	8	112.08
92	E28	F28	6	115.49	6	115.49
96	A28	C28	71	157.26	71	157.26
98	G28	E28	0	0.00	0	0.00
99	C28	B28	29	171.26	29	171.26
100	E28	B28	245	453.89	245	453.89
101	E28	E28	0	0.00	0	0.00
102	A28	C28	223	123.22	223	123.22
103	F28	B28	0	0.00	0	0.00
104	C28	G28	213	120.68	213	120.68
105	D28	H28	0	0.00	0	0.00
106	G28	C28	460	163.48	460	163.48
107	A28	B28	26	172.60	26	172.60
108	B28	G28	125	158.65	125	158.65
109	C28	G28	64	120.51	64	120.51
110	E28	G28	67	122.14	67	122.14
111	B28	G28	19	167.28	19	167.28
112	F28	G28	75	17.16	75	17.16
114	C28	H28	0	0.00	0	0.00
115	B28	C28	4	453.89	4	453.89
116	F28	C28	7	176.66	7	176.66
117	H28	H28	0	0.00	0	0.00
118	F28	C28	35	168.34	35	168.34
119	F28	E28	14	279.63	14	279.63
120	F28	E28	14	193.13	14	193.13
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	7	161.27	7	161.27
130	G28	C28	240	175.18	240	175.18
131	G28	E28	72	290.46	72	290.46
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	2	324.24	2	324.24
141	D28	E28	2	253.72	2	253.72
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	0	0.00	0	0.00
149	C28	B28	4	596.58	4	596.58
150	E28	B28	382	988.13	382	988.13
152	H28	B28	0	0.00	0	0.00

153	F28	B28	27	315.45	27	315.45
155	E28	C28	0	0.00	0	0.00
156	C28	G28	60	123.98	60	123.98
157	H28	B28	0	0.00	0	0.00
159	B28	E28	108	127.09	108	127.09
160	B28	G28	111	167.95	111	167.95
161	B28	F28	7	159.94	7	159.94
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	94	446.38	94	446.38
167	B28	E28	405	544.25	405	544.25
169	G28	B28	156	673.80	156	673.80
170	G28	B28	156	568.85	156	568.85
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	110	149.47	110	149.47
176	G28	E28	121	261.73	121	261.73
178	G28	E28	57	155.02	57	155.02
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	26	278.75	26	278.75
186	A28	C28	59	163.02	59	163.02
187	A28	E28	218	280.84	218	280.84
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	153	93.07	153	93.07
196	D28	F28	14	85.06	14	85.06
197	D28	G28	20	92.40	20	92.40
198	G28	D28	0	0.00	0	0.00
199	D28	B28	145	345.51	145	345.51
200	D28	B28	145	238.99	145	238.99
201	D28	C28	180	195.56	180	195.56
202	G28	B28	0	0.00	0	0.00
203	G28	C28	10	461.65	10	461.65
204	D28	C28	45	193.80	45	193.80
205	D28	E28	12	315.59	12	315.59
206	C28	D28	181	75.81	181	75.81
207	D28	E28	2	183.10	2	183.10
208	G28	C28	0	0.00	0	0.00
209	G28	E28	0	0.00	0	0.00
210	A28	G28	257	208.89	257	208.89
211	A28	H28	0	0.00	0	0.00
212	H28	D28	0	0.00	0	0.00
213	A28	E28	175	169.94	175	169.94
214	G28	G28	0	0.00	0	0.00
215	G28	F28	8	190.91	8	190.91
216	G28	G28	0	0.00	0	0.00
217	G28	G28	0	0.00	0	0.00
218	A28	G28	135	220.67	135	220.67

219	A28	F28	14	212.66	14	212.66
220	H28	F28	0	0.00	0	0.00
221	F28	F28	0	0.00	0	0.00
223	A28	E28	53	210.61	53	210.61
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	220.00	10	220.00
232	A28	H28	0	0.00	0	0.00
233	B28	H28	0	0.00	0	0.00
234	C28	G28	41	119.98	41	119.98
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	44	339.65	44	339.65
239	D28	B28	43	233.18	43	233.18
240	G28	C28	50	519.46	50	519.46
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	46	328.00	46	328.00
247	E28	E28	0	0.00	0	0.00
248	D28	C28	31	203.65	31	203.65
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	7	185.15	7	185.15
253	F28	E28	0	0.00	0	0.00
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	120.06	2	120.06
270	C28	E28	0	0.00	0	0.00
271	C28	G28	10	152.52	10	152.52
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	600.75	4	600.75
287	G28	C28	0	0.00	0	0.00
288	G28	E28	2	579.44	2	579.44

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	514.09	2	514.09
297	G28	A28	793	753.56	793	753.56
298	G28	A28	0	0.00	0	0.00
299	A28	A28	2	532.67	2	532.67
300	A28	A28	2	535.12	2	535.12
301	B28	A28	0	0.00	0	0.00
302	B28	A28	18	479.27	18	479.27
303	C28	A28	0	0.00	0	0.00
304	C28	A28	276	430.52	276	430.52
305	C28	A28	10	434.79	10	434.79
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	24	429.92	24	429.92
312	E28	A28	453	543.00	453	543.00
313	D28	A28	5	407.50	5	407.50
314	H28	A28	0	0.00	0	0.00
315	F28	A28	104	397.20	104	397.20
316	G28	D28	11	201.51	11	201.51
317	G28	D28	130	157.51	130	157.51
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	0	0.00	0	0.00
322	A28	D28	13	172.19	13	172.19
323	B28	D28	177	130.52	177	130.52
324	C28	D28	0	0.00	0	0.00
325	E28	D28	114	86.21	114	86.21
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	0	0.00	0	0.00
332	F28	D28	0	0.00	0	0.00
333	F28	D28	81	193.25	81	193.25

Final Prediction Table

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES
Arm	**Traffic Stream**	**Name**	**Traffic node**	**Controller stream**	**Phase**	**Calculated flow entering (PCU/hr)**	**Calculated sat flow (PCU/hr)**	**Actual green (s (per cycle))**	**Wasted time total (s (per cycle))**	**Degree of saturation (%)**	**Practical reserve capacity (%)**	**JourneyTime (s)**	**Mean Delay per Veh (s)**	**Mean stops per Veh (%)**	**Mean max queue (PCU)**
A	**1**	(untitled)	6	771-2	E	765	2050	28	0.00	77	17	25.24	19.65	62.24	7.79
	2	(untitled)	6	771-2	E	339	2050	28	7.00	34	163	18.49	12.72	52.31	2.88
	3	(untitled)	6	771-2	E	807	2050	28	4.00	81	11	22.18	16.29	43.71	5.87
	4	(untitled)	6	771-2	E	572	2050	28	5.00	58	56	16.75	10.73	46.91	4.47
Ac	**1**	(untitled)	6	771-2	D	783 <	2263	22	2.00	90	0	41.75	34.56	123.26	17.85 +
	2	(untitled)	6	771-2	D	290	2263	22	15.02	38	134	35.71	26.21	67.65	3.53

	3	(untitled)	6	771-2	D	452	2263	22	4.03	52	73	26.25	19.66	55.72	4.17
Acf	1	(untitled)	6			1073	2263	60	13.00	47	90	5.94	0.72	0.00	0.21
	2	(untitled)	6			452	2263	60	29.00	20	351	7.44	0.20	0.00	0.02
Af	1	(untitled)	6			1104	2050	60	17.00	54	67	7.68	1.02	0.00	0.31
	2	(untitled)	6			807	2050	60	20.00	39	129	7.23	0.57	0.00	0.13
	3	(untitled)	6			572	2050	60	17.00	28	223	7.03	0.34	0.00	0.05
B	1	(untitled)	1	769-1	B	275	2050	11	0.08	68	33	38.29	31.19	97.78	4.51
	2	(untitled)	1	769-1	B	401	2150	11	0.00	93	-3	72.69	65.40	146.06	10.49
	3	(untitled)	1	769-1	B	347	2100	11	0.21	84	7	51.84	44.37	119.19	7.10
	4	(untitled)	1	769-1	B	261	2050	11	0.00	64	41	41.86	29.57	98.89	4.32
Bc	1	(untitled)	1	769-1	A	716	2050	37	16.00	55	63	20.95	8.99	47.72	5.55
	2	(untitled)	1	769-1	A	1113	2050	37	4.00	86	5	35.22	23.39	102.47	18.71
	3	(untitled)	1	769-1	A	631	2050	37	14.41	49	83	28.83	17.12	97.79	9.99
Bcf	1	(untitled)	1			1548	2263	60	60.00	68	32	6.04	1.72	0.00	0.74
	2	(untitled)	1			716	2263	60	26.00	32	184	5.63	0.37	0.00	0.07
	3	(untitled)	1			1113	2263	60	16.00	49	83	6.64	0.77	0.00	0.24
	4	(untitled)	1			631	2263	60	26.00	28	223	6.65	0.31	0.00	0.05
Bf	1	(untitled)	1			676	1800	60	0.00	38	140	27.94	0.60	0.00	0.11
	2	(untitled)	1			608	1800	60	0.00	34	166	27.92	0.51	0.00	0.09
C	1	(untitled)	2	769-2	G	481 <	2100	13	0.03	98	-9	195.78	181.25	334.42	28.98 +
	2	(untitled)	2	769-2	G	422	2200	13	0.00	82	9	51.98	37.29	113.95	8.13
	3	(untitled)	2	769-2	G	143	2050	13	0.00	30	201	35.51	20.58	82.65	1.97
Cf	1	(untitled)	2			503 <	1965	60	45.31	105	-14	210.16	192.80	323.61	32.93 +
	2	(untitled)	2			565	1965	60	0.00	29	213	17.87	0.37	0.00	0.06
D	1	(untitled)	3	770-1	B	280	2050	19	4.00	41	120	21.69	17.56	79.85	3.73
	2	(untitled)	3	770-1	B	342	1850	19	4.00	55	62	25.20	21.07	84.33	5.04
	3	(untitled)	3	770-1	B	373	2250	19	5.46	54	68	24.60	20.41	86.47	5.32
Dc	1	(untitled)	3	770-1	A	827 <	2100	31	8.39	100	-10	79.92	76.12	133.61	21.06 +
	2	(untitled)	3	770-1	A	823	2100	31	7.00	73	23	19.34	15.68	57.77	7.94
	3	(untitled)	3	770-1	A	306	2100	31	11.00	27	230	17.41	13.91	56.13	2.80
	4	(untitled)	3	770-1	A	404	2100	31	14.00	36	150	23.19	19.82	86.31	5.69
Dcf	1	(untitled)	3			1133	2050	60	12.00	55	63	6.03	1.08	0.00	0.34
	2	(untitled)	3			1403 <	2100	60	17.02	91	-1	19.29	14.35	46.69	12.27 +
	3	(untitled)	3			823	2100	60	24.23	54	68	8.81	3.42	26.74	5.04
	4	(untitled)	3			306	2100	60	31.00	15	518	6.81	0.15	0.00	0.01
	5	(untitled)	3			404	2100	60	34.59	19	363	5.25	0.23	2.10	2.34
Df	1	(untitled)	3-2	11	B	610	1900	43	0.00	44	106	28.15	4.15	36.94	4.07
	2	(untitled)	3-2	11	B	373	2250	43	0.00	23	298	26.88	2.88	29.31	2.00
Dxp	1	(untitled)	3-2	770-2	D	1133	2050	41	1.00	79	14	8.91	5.41	15.09	2.98
	2	(untitled)	3-2	770-2	D	576	2050	41	2.00	40	124	5.34	1.69	9.66	0.96
Ec	1	(untitled)	4	770-3	F	593	2150	35	11.00	46	96	9.36	5.60	55.89	5.95
	2	(untitled)	4	770-3	F	578	2263	35	10.00	43	112	11.51	7.88	54.34	5.28
	3	(untitled)	4	770-3	F	518	2263	35	10.00	38	136	15.08	11.58	75.83	6.57
	4	(untitled)	4	770-3	F	296	2250	35	20.00	22	310	4.61	1.16	8.63	0.43
Ecf	1	(untitled)	4			925	2100	60	23.28	59	52	11.37	7.93	41.78	6.97
	2	(untitled)	4			1004	2100	60	19.00	48	88	4.26	0.78	0.00	0.22
	3	(untitled)	4			578	2263	60	23.00	26	253	3.79	0.27	0.00	0.04
	4	(untitled)	4			847	2300	60	27.09	38	140	4.47	0.50	2.61	2.36
Ef	1	(untitled)	4			853	1900	60	22.68	72	25	26.13	10.82	67.77	10.64
	2	(untitled)	4			627 <	1900	60	42.68	114	-21	274.30	258.99	295.33	51.44 +
Exp	1	(untitled)	4-2	770-4	L	925	2050	40	4.00	66	36	13.34	9.45	48.27	7.49
	2	(untitled)	4-2	770-4	L	411	2050	40	27.00	29	207	14.78	10.76	86.15	5.88
F	1	(untitled)	5	771-1	B	187	2100	15	0.00	33	170	25.72	19.34	78.24	2.50
	2	(untitled)	5	771-1	B	295	2100	15	0.00	53	71	28.76	22.33	82.51	4.06
	3	(untitled)	5	771-1	B	361	2100	15	0.00	64	40	31.79	25.25	88.78	5.45
Fc	1	(untitled)	5	771-1	A	679	2263	35	6.00	50	80	27.39	8.28	52.63	6.97
	2	(untitled)	5	771-1	A	608	2263	35	7.07	46	95	30.03	11.11	74.33	8.56
	3	(untitled)	5	771-1	A	833	2263	35	6.00	61	47	30.36	10.69	42.14	5.61

Ff	**1**	(untitled)	5			482	1900	60	0.00	25	255	33.41	0.32	0.00	0.04
	2	(untitled)	5			361	1900	60	0.00	19	374	33.27	0.22	0.00	0.02
G	**1**	(untitled)	2	769-2	F	338 <	2050	13	4.10	100	-10	344.97	328.90	447.88	35.78 +
	2	(untitled)	2	769-2	F	243	2050	13	4.51	53	71	50.78	39.33	104.60	4.93
Gf	**1**	(untitled)	4			334	2050	60	49.55	28	226	19.90	16.98	80.37	4.52
	2	(untitled)	4			214	2050	60	48.00	10	762	2.99	0.10	0.18	2.33
xA	**1**	(untitled)	10			776	2263	60	15.61	36	147	17.77	0.55	3.35	2.42
	2	(untitled)	10			662	2263	60	25.00	29	208	17.58	0.33	0.00	0.06
xB	**1**	(untitled)				1320	Unrestricted	60	8.00	0	Unrestricted	6.79	0.00	0.00	0.00
xC	**1**	(untitled)				713 <	1900	60	37.48	100	-10	123.73	115.06	143.98	30.47 +
	2	(untitled)				587	1900	60	38.87	74	22	19.31	10.61	74.00	7.98
xD	**1**	(untitled)				1133	Unrestricted	60	12.00	0	Unrestricted	9.13	0.00	0.00	0.00
	2	(untitled)				575	Unrestricted	60	14.00	0	Unrestricted	9.21	0.00	0.00	0.00
xE	**1**	(untitled)				925	Unrestricted	60	17.00	0	Unrestricted	13.04	0.00	0.00	0.00
	2	(untitled)				411	Unrestricted	60	33.00	0	Unrestricted	13.04	0.00	0.00	0.00
xF	**1**	(untitled)				705	Unrestricted	60	8.00	0	Unrestricted	12.06	0.00	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	719	2050	32	9.00	64	41	19.95	13.40	58.70	8.36
E1	**1**	(untitled)	4	770-3	G	308	2050	14	6.00	60	50	40.16	34.16	108.97	5.50
	2	(untitled)	4	770-3	G	545 <	2200	14	0.00	99	-9	136.82	130.82	235.97	23.92 +
Gf1	**1**	(untitled)	4			33	641	60	47.00	5	1648	3.85	0.15	0.00	0.00
Cc2	**2**	(untitled)	2	769-2	D	1043 <	2150	33	1.02	88	2	29.35	22.65	80.54	15.93 +
	3	(untitled)	2	769-2	D	641	2050	33	8.00	55	63	12.44	5.37	17.44	2.58
	4	(untitled)	2	769-2	D	1079 <	2150	33	1.52	90	0	29.55	22.98	72.13	16.07 +
	5	(untitled)	2	769-2	D	261	2050	33	22.00	22	301	8.43	0.45	0.00	0.03
E2	**3**	(untitled)	4	770-3	H	334 <	2150	14	5.68	100	-10	159.78	155.78	208.41	15.62 +
	4	(untitled)	4	770-3	H	214	2050	14	3.00	42	115	35.45	31.38	75.22	2.68
TC5	**2**	(untitled)	TC771-6	TC777-1	A	718	2263	38	5.00	48	89	7.25	4.48	25.92	3.10
	3	(untitled)	TC771-6	TC777-1	A	662	2263	38	17.00	44	105	6.72	3.96	23.62	2.61
	4	(untitled)	TC771-6	TC777-1	C	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00
TC9	**1**	(untitled)	TC771-6	TC777-1	B	963 <	1925	27	0.00	100	-10	97.18	86.17	174.18	30.97 +
	2	(untitled)	TC771-6	TC777-1	B	783	1966	27	0.00	80	13	30.52	19.47	83.49	11.02
	3	(untitled)	TC771-6	TC777-1	B	426	1947	27	0.00	44	106	22.17	11.04	59.04	4.19
TC35	**1**	(untitled)	TC771-6	TC777-1	A	59	1900	38	24.00	5	1846	4.37	1.47	12.16	0.12
TC36	**1**	(untitled)	TC771-6			371	1800	60	0.00	21	337	3.29	0.26	0.00	0.03
TC37	**1**	(untitled)	TC771-6	TC777-2	J	75	1850	45	0.00	5	1602	5.01	1.82	23.45	0.29
TC38	**1**	(untitled)	TC771-6			75	465	60	14.00	16	458	4.63	3.09	39.91	2.43
TC39	**2**	(untitled)	TC771-6			718	2263	60	25.00	32	184	2.91	0.37	0.00	0.07
	3	(untitled)	TC771-6			662	2263	60	37.00	29	208	2.73	0.33	0.00	0.06
TC40	**2**	(untitled)	TC771-6			793	Unrestricted	60	13.00	0	Unrestricted	4.23	0.00	0.00	0.00
	3	(untitled)	TC771-6			662	Unrestricted	60	29.00	0	Unrestricted	4.02	0.00	0.00	0.00
TC41	**1**	(untitled)	TC771-6	TC777-1	D	296	1850	11	0.00	80	12	45.12	41.18	111.65	5.62
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	60	60.00	0	Unrestricted	0.00	0.00	0.00	0.00
47	**1**	(untitled)	2			1300	1300	60	0.00	100	-10	64.61	48.58	0.00	17.54
48	**1**	(untitled)	2			1068	1965	60	0.00	54	66	7.70	1.09	0.00	0.32

49	1	(untitled)	TC771-6			1173 <	1900	60	29.13	120	-25	320.83	317.68	318.14	116.19 +
	2	(untitled)	TC771-6			1209	1900	60	0.00	64	41	4.80	1.65	0.00	0.55
50	1	(untitled)	1			1284	1900	60	0.00	68	33	7.74	1.97	0.00	0.70
51	1	(untitled)	4-2			843	1900	60	0.00	44	103	5.25	0.75	0.00	0.18
52	1		6	12	A	1549 <	1800	43	0.00	117	-23	288.92	285.92	310.32	138.77 +
53	1		3-2	11	A	12	1800	7	7.00	5	1700	47.36	23.36	85.35	0.17
54	1		4	13	A	705 <	1800	44	11.00	52	72	5.08	2.68	39.37	6.16 +
55	1		TC771-6	TC777-1	J	15	1800	7	7.00	6	1340	25.05	14.28	71.32	0.19

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 (%)	p (
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	29	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	3	770-1	C	0	11000	29	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	34	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	J	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	
5	1	(untitled)	4	770-3	I	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	I	0	11000	34	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	29	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	5	771-1	C	0	11000	29	0	Unrestricted	0.00	0.00	0.00	100	
8	1	(untitled)	1	769-1	C	0	11000	33	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	1	769-1	C	0	11000	33	0	Unrestricted	0.00	0.00	0.00	100	
9	1	(untitled)	2	769-2	J	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	J	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	
10	1	(untitled)	2	769-2	K	0	11000	15	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	K	0	11000	15	0	Unrestricted	0.00	0.00	0.00	100	
11	1	(untitled)		769-2	H	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		769-2	H	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	
12	1	(untitled)	2	769-2	I	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	I	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	
13	1	(untitled)		TC777-1	I	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	I	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	
14	1	(untitled)		TC777-1	F	0	11000	39	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	F	0	11000	39	0	Unrestricted	0.00	0.00	0.00	100	
15	1	(untitled)		TC777-1	G	0	0	0	0	-100	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	G	0	0	0	0	-100	0.00	0.00	0.00	100	
16	1	(untitled)		TC777-1	H	0	11000	9	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	H	0	11000	9	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	7	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	12	12	B	0	11000	7	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	6234.08	777.94	8.01	614.45	8725.24	887.32	0.00	9612.56
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	6234.08	777.94	8.01	614.45	8725.24	887.32	0.00	9612.56

- *< = 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***