TRANSYT 15

Filename: M62 JN 28 CRF Scheme_Mar 20- Scenario 4a-AM - Mitigation - 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: 19/07/2021 23:45:05

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File summary

File description

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

Model and Results

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

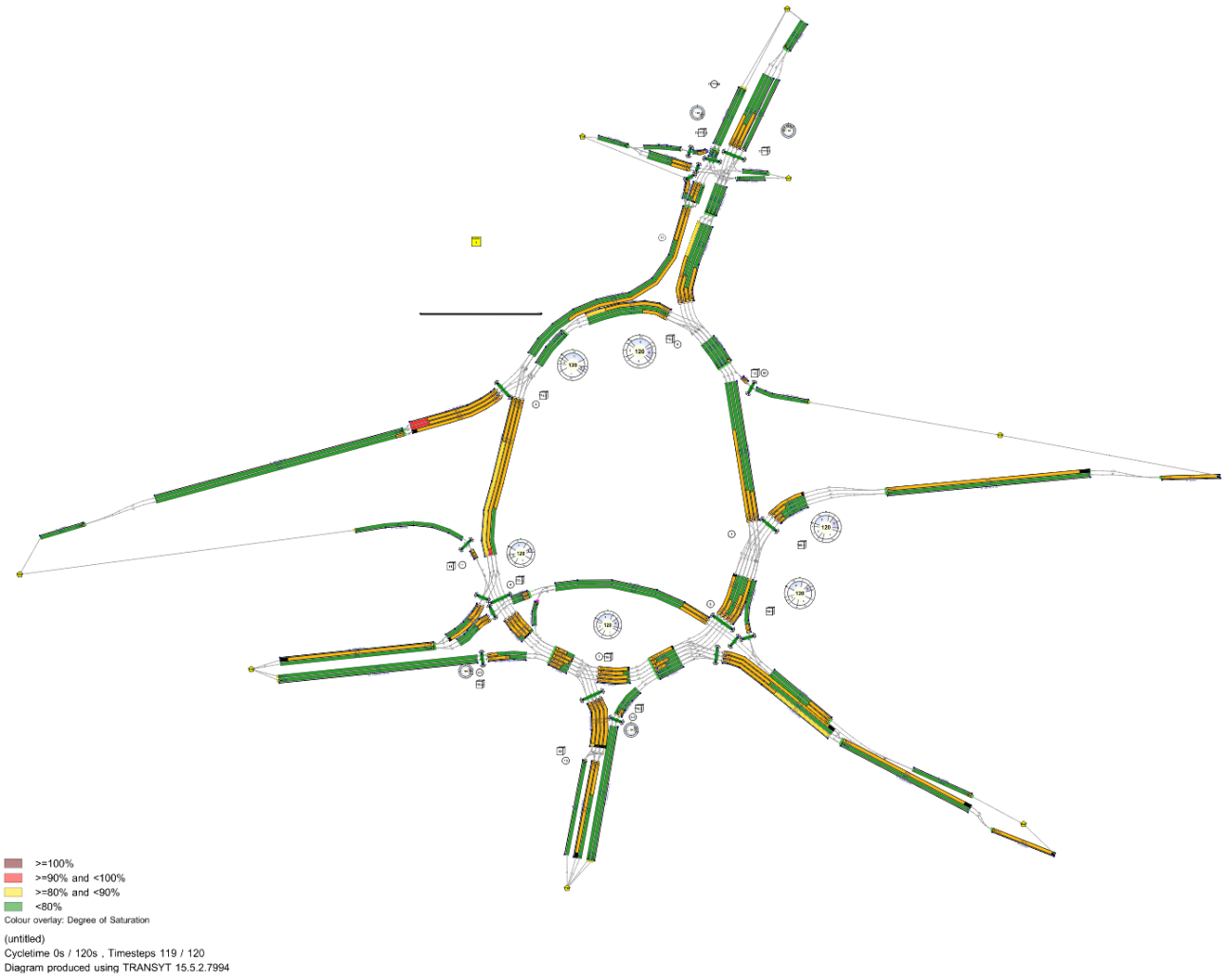
Units

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

Sorting

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

Network Diagrams



A1 - 2033 Base + Committed + Cumulative AM - Mitigation + LCC Scheme
D1 - 2033 Base + Committed + Cumulative AM - Mitigation + LCC Scheme*

Summary

Data Errors and Warnings

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

Run Summary

Analysis set used	Run start time	Run finish time	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Ite wit wor over PR
1	19/07/2021 23:43:31	19/07/2021 23:43:44	07:30	120	11711.95	751.90	128.48	50/1	21	13	TC42/1	50/1	TC4

Analysis Set Details

Name	Description	Demand set	Include in report	Locked
2033 Base + Committed + Cumulative AM - Mitigation + LCC Scheme		D1	✓	

Demand Set Details

Name	Description	Composite	Demand sets	Start time (HH:mm)	Locked
2033 Base + Committed + Cumulative AM - Mitigation + LCC Scheme				07:30	

Network Options

Network timings

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

Signals options

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

Advanced

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

Traffic options

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

Advanced

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

Normal Traffic parameters

Dispersion type	Dispersion coefficient	Travel time coefficient
Default	35	80

Normal Traffic Types

Name	PCU Factor
Normal	1.00

Bus parameters

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

Tram parameters

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

Pedestrian parameters

Dispersion type
Default

Optimisation options

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

Advanced

Optimisation type	Hill climb increments	OUTProfile accuracy	Use enhanced optimisation	Auto optimisation order	Optimisation order	Master controller	Offsets relative to master controller	Master controller offset after each run
Hill Climb (Fast)	15, 40, -1, 15, 40, 1, -1, 1	50, 50, 5, 5, 0.5, 0.5, 0.05, 0.05		✓	770-1, 770-3, 771-1, 13			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			4
53			6
55			TC771-6
56			3-2

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto length	Length (m)	Has Saturation Flow	Saturation flow source	Saturation flow (PCU/hr)	Auto-calculate cell saturation flow	Cell saturation flow (PCU/hr)	Is signal controlled	Is give way	Traffic type	Allow Nearside Turn On Red
A	1	(untitled)	M62E	✓	74.52	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.88	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.61	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.35	✓	Directly entered	2050		2050	✓		Normal	
Ac	1	(untitled)	M62E	✓	95.80	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Wake	✓	92.34	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.95	✓	Directly entered	2263		2263	✓		Normal	
Acf	1	(untitled)		✓	69.38	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	70.22	✓	Directly entered	2263		2263			Normal	
Af	1	(untitled)	M62E/Wake	✓	54.98	✓	Directly entered	2050		2050			Normal	
	2	(untitled)	Dews	✓	54.73	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	54.86	✓	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	✓	132.94	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Dews	✓	131.59	✓	Directly entered	2050		2263	✓		Normal	
	3	(untitled)	Brad/M62W	✓	130.23	✓	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	✓	55.60	✓	Directly entered	2250		2250	✓		Normal	
	4	(untitled)	Leeds/M62/Wake	✓	59.33	✓	Directly entered	2250		2250	✓		Normal	
Dc	**1**	(untitled)	Brad	✓	50.27	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.34	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	46.42	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	44.49	✓	Directly entered	2100		2100	✓		Normal	
Dcf	**1**	(untitled)		✓	65.95	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	65.92	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	66.37	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	66.58	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	66.90	✓	Directly entered	2100		2100			Normal	
	6	(untitled)		✓	67.13	✓	Directly entered	2100		2100			Normal	
Df	**1**	(untitled)			200.00	✓	Sum of lanes	1900			✓		Normal	
	2	(untitled)			200.00	✓	Directly entered	2250			✓		Normal	
Dxp	**1**	(untitled)		✓	46.62	✓	Directly entered	2050			✓		Normal	
	2	(untitled)		✓	48.64	✓	Directly entered	2050			✓		Normal	
Ec	**1**	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal	
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)	M62E	✓	45.11	✓	Directly entered	2250		2250	✓		Normal	
Ecf	**1**	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal	
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	46.93	✓	Directly entered	2263		2263			Normal	
	4	(untitled)		✓	47.50	✓	Directly entered	2300		2300			Normal	
	5	(untitled)		✓	48.55	✓	Directly entered	2300		2300			Normal	
Ef	**1**	(untitled)		✓	127.54	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal	
Exp	**1**	(untitled)		✓	51.37	✓	Directly entered	2050		2100	✓		Normal	
	2	(untitled)		✓	53.23	✓	Directly entered	2050		2100	✓		Normal	
F	**1**	(untitled)	Leeds	✓	85.16	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.24	✓	Directly entered	2100		2100	✓		Normal	
	1	(untitled)	Leeds	✓	182.36	✓	Directly entered	2263		2263	✓		Normal	

Fc	**2**	(untitled)	Leeds	✓	180.86	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	M62E/Dews	✓	179.86	✓	Directly entered	2263		2263	✓		Normal	
Ff	**1**	(untitled)		✓	275.15	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	274.83	✓	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)		✓	229.62	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	229.90	✓	Directly entered	2263		2263			Normal	
xB	**1**	(untitled)		✓	54.14								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)		✓	173.78								Normal	
	2	(untitled)		✓	173.74								Normal	
xF	**1**	(untitled)		✓	106.54								Normal	
Cc1	**1**	(untitled)	Wake	✓	95.84	✓	Directly entered	2050		2050	✓		Normal	
E1	**1**	(untitled)	M62W/Leeds		80.00	✓	Directly entered	2050		1900	✓		Normal	
	2	(untitled)	Leeds/M62E		80.00	✓	Directly entered	2200		2100	✓		Normal	
Gf1	**1**	(untitled)		✓	47.81							✓	Normal	
Cc2	**2**	(untitled)	Dews	✓	90.61	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	89.28	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	90.72	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	88.37	✓	Directly entered	2050		2050	✓		Normal	
	6	(untitled)	Leeds	✓	87.95	✓	Directly entered	2050		2050	✓		Normal	
E2	**3**	(untitled)	Wake	✓	53.28	✓	Directly entered	2150		2050	✓		Normal	
	4	(untitled)	Wake	✓	54.33	✓	Directly entered	2050		2050	✓		Normal	
TC5	**2**	(untitled)		✓	23.03	✓	Sum of lanes	2263		2263	✓		Normal	
	3	(untitled)		✓	23.02	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)		✓	24.43	✓	Sum of lanes	1800		2263	✓		Normal	
TC9	**1**	(untitled)		✓	91.71	✓	Directly entered	1925		1925	✓		Normal	
	2	(untitled)		✓	92.11	✓	Sum of lanes	1966		1966	✓		Normal	
	3	(untitled)		✓	92.69	✓	Sum of lanes	1947		1947	✓		Normal	
TC35	**1**	(untitled)		✓	24.16	✓	Directly entered	1900		2263	✓		Normal	
TC36	**1**	(untitled)		✓	25.22	✓	Sum of lanes	1800					Normal	

TC37	1	(untitled)		✓	44.32	✓	Directly entered	1850		1850	✓		Normal	
TC38	1	(untitled)		✓	21.32	✓	Directly entered	1850		1850		✓	Normal	
TC39	2	(untitled)		✓	35.24	✓	Directly entered	2263		2263			Normal	
	3	(untitled)		✓	33.28	✓	Directly entered	2263		2263			Normal	
TC40	2	(untitled)		✓	58.74								Normal	
	3	(untitled)		✓	55.82								Normal	
TC41	1	(untitled)		✓	54.63	✓	Directly entered	1850		1850	✓		Normal	
	2	(untitled)		✓	55.07	✓	Directly entered	1850		1850	✓		Normal	
TC42	1	(untitled)		✓	23.35	✓	Sum of lanes	1771			✓		Normal	
TC43	1	(untitled)		✓	52.01	✓	Sum of lanes	1800					Normal	
47	1	(untitled)		✓	133.63	✓	Directly entered	1300		1300			Normal	
48	1	(untitled)		✓	55.12	✓	Sum of lanes	1965					Normal	
49	1	(untitled)		✓	26.24	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	26.24	✓	Directly entered	1900					Normal	
50	1	(untitled)		✓	48.15	✓	Sum of lanes	1900					Normal	
51	1	(untitled)		✓	37.47	✓	Sum of lanes	1900					Normal	
52	1				20.00	✓	Directly entered	1800			✓		Normal	
53	1				25.00	✓	Directly entered	1800			✓		Normal	
55	1				91.00	✓	Sum of lanes	1800			✓		Normal	
56	1				200.00	✓	Sum of lanes	1800			✓		Normal	

Lanes

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

Bcf	**2**	**1**	(untitled)												
	3	**1**	(untitled)												
	4	**1**	(untitled)												
Bf	**1**	**1**	(untitled)												1800
	2	**1**	(untitled)												1800
C	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
	3	**3**	(untitled)												
Cf	**1**	**2**	(untitled)												1965
	2	**1**	(untitled)												1965
D	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
	3	**3**	(untitled)												
	4	**3**	(untitled)												
Dc	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
	3	**3**	(untitled)												
	4	**4**	(untitled)												
Dcf	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
	3	**3**	(untitled)												
	4	**4**	(untitled)												
	5	**5**	(untitled)												
	6	**5**	(untitled)												
Df	**1**	**1**	(untitled)												1900
	2	**2**	(untitled)												
Dxp	**1**	**1**	(untitled)												
	2	**1**	(untitled)												
Ec	**1**	**1**	(untitled)												
	2	**1**	(untitled)												
	3	**1**	(untitled)												
	4	**1**	(untitled)												
Ecf	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
	3	**3**	(untitled)												
	4	**4**	(untitled)												
	5	**4**	(untitled)												
Ef	**1**	**1**	(untitled)												
	2	**2**	(untitled)												1900
Exp	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
F	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
	3	**3**	(untitled)												
Fc	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
	3	**3**	(untitled)												
Ff	**1**	**1**	(untitled)												1900
	2	**2**	(untitled)												1900
G	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
Gf	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
xA	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
xB	**1**	**1**	(untitled)												
xC	**1**	**1**	(untitled)												1900
	2	**2**	(untitled)												1900

xD	1	1	(untitled)											
	2	2	(untitled)											
xE	1	1	(untitled)											
	2	2	(untitled)											
xF	1	1	(untitled)											
Cc1	1	1	(untitled)											
E1	1	1	(untitled)											
	2	2	(untitled)											
Gf1	1	1	(untitled)											
Cc2	2	2	(untitled)											
	3	3	(untitled)											
	4	4	(untitled)											
	5	5	(untitled)											
	6	5	(untitled)											
E2	3	3	(untitled)											
	4	4	(untitled)											
TC5	2	1	(untitled)		✓	N/A	Clearly Good	0	3.50	✓	0	99999.00		2263
	3	1	(untitled)											
	4	1	(untitled)											1800
TC9	1	1	(untitled)											
	2	1	(untitled)		✓	N/A	Average	0	3.70	✓	0	99999.00		1966
	3	1	(untitled)		✓	N/A	Average	0	3.50	✓	0	99999.00		1947
TC35	1	1	(untitled)											
TC36	1	1	(untitled)											1800
TC37	1	1	(untitled)											
TC38	1	1	(untitled)											
TC39	2	1	(untitled)											
	3	1	(untitled)											
TC40	2	1	(untitled)											
	3	1	(untitled)											
TC41	1	1	(untitled)											
	2	1	(untitled)											
TC42	1	1	(untitled)		✓	N/A	Average	0	3.00	✓	0	9.44	✓	1771
TC43	1	1	(untitled)											1800
47	1	1	(untitled)											
48	1	1	(untitled)											1965
49	1	2	(untitled)											
	2	1	(untitled)											
50	1	1	(untitled)											1900
51	1	1	(untitled)											1900
52	1	1	(untitled)											
53	1	1	(untitled)											
55	1	1	(untitled)											1800
56	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							
	4	CTM	100	100	100		0.00							
Dc	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Dcf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
	6	CTM	100	100	100		0.00							
Df	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Dxp	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Ec	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Ecf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
Ef	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Exp	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
F	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	1	CTM	100	100	100		0.00							

Fc	**2**	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Ff	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00	✓	0.00	0.00	✓	2	0.00	0.00
G	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
Gf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xA	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xB	**1**	NetworkDefault	100	100	100		0.00							
xC	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xD	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xE	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xF	**1**	NetworkDefault	100	100	100		0.00							
Cc1	**1**	CTM	100	100	100		0.00							
E1	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
Gf1	**1**	NetworkDefault	100	100	100		0.00							
Cc2	**2**	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
	6	CTM	100	100	100		0.00							
E2	**3**	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
TC5	**2**	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
TC9	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
TC35	**1**	CTM	100	100	100		0.00							
TC36	**1**	NetworkDefault	100	100	100		0.00							
TC37	**1**	CTM	100	100	100		0.00							
TC38	**1**	CTM	100	100	100		0.00							
TC39	**2**	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
TC40	**2**	PDM	100	100	100		0.00							
	3	PDM	100	100	100		0.00							
TC41	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
TC42	**1**	NetworkDefault	100	100	100		0.00							
TC43	**1**	NetworkDefault	100	100	100		0.00							
47	**1**	CTM	100	100	100		0.00							
48	**1**	NetworkDefault	100	100	100		0.00							
49	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
50	**1**	NetworkDefault	100	100	100		0.00							
51	**1**	NetworkDefault	100	100	100		0.00							
52	**1**	NetworkDefault	100	100	100		0.00							
53	**1**	NetworkDefault	100	100	100		0.00							
55	**1**	NetworkDefault	100	100	100		0.00							
56	**1**	NetworkDefault	100	100	100		0.00							

Modelling - Advanced

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

Normal traffic - Modelling

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

Normal traffic - Advanced

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

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)
A	1	430	430
	2	171	171
	3	360	360
	4	540	540
Ac	1	1155	1155
	2	230	230
	3	401	401
Acf	1	1385	1385
	2	401	401
Af	1	601	601
	2	360	360
	3	540	540
B	1	422	422
	2	435	435
	3	532	532
	4	578	578
Bc	1	401	401
	2	535	535
	3	765	765
Bcf	1	1585	1585
	2	401	401
	3	535	535
	4	765	765
Bf	1	857	857
	2	1110	1110
C	1	528	528
	2	481	481
	3	596	596
Cf	1	528	528
	2	1077	1077
D	1	539	539
	2	593	593
	3	560	560
	4	636	636
Dc	1	983	983
	2	891	891
	3	786	786
	4	951	951
Dcf	1	1009	1009
	2	217	217
	3	983	983
	4	891	891
	5	786	786

	6	951	951
Df	1	1118	1118
	2	1196	1196
Dxp	1	1009	1009
	2	217	217
Ec	1	849	849
	2	1379	1379
	3	1473	1473
	4	636	636
Ecf	1	1072	1072
	2	1341	1341
	3	1379	1379
	4	1473	1473
	5	674	674
Ef	1	907	907
	2	509	509
Exp	1	1072	1072
	2	492	492
F	1	310	310
	2	310	310
	3	323	323
Fc	1	1614	1614
	2	1507	1507
	3	1219	1219
Ff	1	619	619
	2	323	323
G	1	280	280
	2	267	267
Gf	1	261	261
	2	248	248
xA	1	1774	1774
	2	1723	1723
xB	1	1585	1585
xC	1	500	500
	2	484	484
xD	1	1009	1009
	2	217	217
xE	1	1072	1072
	2	492	492
xF	1	904	904
Cc1	1	437	437
E1	1	324	324
	2	583	583
Gf1	1	38	38
Cc2	2	921	921
	3	410	410
	4	760	760
	5	563	563
	6	578	578
E2	3	261	261
	4	248	248
TC5	2	1186	1186
	3	1723	1723
	4	0	0
TC9	1	496	496
	2	352	352
	3	451	451
TC35	1	588	588

TC36	**1**	230	230
TC37	**1**	41	41
TC38	**1**	41	41
TC39	**2**	1186	1186
	3	1723	1723
TC40	**2**	1227	1227
	3	1723	1723
TC41	**1**	95	95
	2	95	95
TC42	**1**	0	0
TC43	**1**	0	0
47	**1**	984	984
48	**1**	1605	1605
49	**1**	508	508
	2	803	803
50	**1**	1967	1967
51	**1**	942	942
52	**1**	904	904
53	**1**	1585	1585
55	**1**	12	12
56	**1**	14	14

Signals

Arm	Traffic Stream	Controller stream	Phase	Second phase enabled
A	**1**	771-2	E	
	2	771-2	E	
	3	771-2	E	
	4	771-2	E	
Ac	**1**	771-2	D	
	2	771-2	D	
	3	771-2	D	
B	**1**	769-1	B	
	2	769-1	B	
	3	769-1	B	
	4	769-1	B	
Bc	**1**	769-1	A	
	2	769-1	A	
	3	769-1	A	
C	**1**	769-2	G	
	2	769-2	G	
	3	769-2	G	
D	**1**	770-1	B	
	2	770-1	B	
	3	770-1	B	
	4	770-1	B	
Dc	**1**	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
Df	**1**	13	B	
	2	13	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	
	6	769-2	D	
E2	3	770-3	H	
	4	770-3	H	
TC5	2	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	1	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	1	TC777-1	A	
TC37	1	TC777-2	J	
TC41	1	TC777-1	D	
	2	TC777-1	D	
TC42	1	TC777-1	E	
52	1	11	A	
53	1	12	A	
55	1	TC777-1	J	
56	1	13	A	

Entry Sources

Arm	Traffic Stream	Cruise time for Normal Traffic (s)	Cruise speed for Normal Traffic (kph)
Df	1	24.00	30.00
	2	24.00	30.00
Ef	1	15.31	30.00
	2	15.31	30.00
TC36	1	3.03	30.00
TC42	1	2.80	30.00
48	1	6.61	30.00
49	1	3.15	30.00
	2	3.15	30.00
50	1	5.78	30.00
51	1	4.50	30.00
56	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)
	1	1	Af/1	A/1	5.59	48.00	✓	Straight	Straight Movement

A	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	5.20	48.00	✓	Straight	Straight Movement
	2	1	F/3	Acf/2	7.22	35.00	✓	Straight	Straight Movement
Af	1	1	TC42/1	Af/1	6.60	30.00	✓	Nearside	10.60
	2	1	TC42/1	Af/2	6.57	30.00	✓	Nearside	10.60
	3	1	TC42/1	Af/3	6.58	30.00	✓	Nearside	10.60
B	1	1	Bf/1	B/1	7.10	48.00	✓	Straight	Straight Movement
	2	1	Bf/1	B/2	7.29	48.00	✓	Straight	Straight Movement
	3	1	Bf/2	B/3	7.48	48.00	✓	Straight	Straight Movement
	4	1	Bf/2	B/4	12.29	30.00	✓	Straight	Straight Movement
Bc	1	1	Bcf/2	Bc/1	9.97	48.00	✓	Offside	39.60
	2	1	Bcf/3	Bc/2	9.87	48.00	✓	Offside	36.29
	3	1	Bcf/4	Bc/3	9.77	48.00	✓	Offside	32.97
Bcf	1	1	A/1	Bcf/1	4.70	48.00	✓	Nearside	68.65
	2	1	A/2	Bcf/2	6.69	34.00	✓	Nearside	71.96
	3	1	A/3	Bcf/3	6.60	34.00	✓	Nearside	75.27
	4	1	A/4	Bcf/4	6.59	34.00	✓	Nearside	78.59
Bf	1	1	50/1	Bf/1	27.34	30.00	✓	Straight	Straight Movement
	2	1	50/1	Bf/2	27.41	30.00	✓	Straight	Straight Movement
C	1	1	Cf/1	C/1	14.54	30.00	✓	Offside	59.30
	2	1	Cf/2	C/2	14.68	30.00	✓	Offside	55.98
	3	1	Cf/2	C/3	14.92	30.00	✓	Offside	53.27
Cf	1	1	48/1	Cf/1	17.35	30.00	✓	Straight	Straight Movement
	2	1	48/1	Cf/2	17.50	30.00	✓	Straight	Straight Movement
D	1	1	Df/1	D/1	4.13	48.00	✓	Straight	Straight Movement
	2	1	Df/1	D/2	4.13	48.00	✓	Straight	Straight Movement
	3	1	Df/2	D/3	4.17	48.00	✓	Straight	Straight Movement
	4	1	Df/2	D/4	4.45	48.00	✓	Straight	Straight Movement
Dc	1	1	Dcf/3	Dc/1	3.77	48.00	✓	Offside	52.98
	2	1	Dcf/4	Dc/2	3.63	48.00	✓	Offside	49.67
	3	1	Dcf/5	Dc/3	3.48	48.00	✓	Offside	46.35
	4	1	Dcf/6	Dc/4	3.34	48.00	✓	Offside	43.04
Dcf	1	1	Cc2/2	Dcf/1	4.95	48.00	✓	Straight	Straight Movement
	2	1	Cc2/4	Dcf/2	4.94	48.00	✓	Straight	Straight Movement
	3	1	Cc2/4	Dcf/3	4.98	48.00	✓	Straight	Straight Movement
	4	1	C/2	Dcf/4	4.99	48.00	✓	Nearside	58.86
	5	1	Cc2/5	Dcf/5	5.02	48.00	✓	Straight	Straight Movement
	6	1	C/3	Dcf/6	5.04	48.00	✓	Nearside	62.17

Dxp	**1**	**1**	Dcf/1	Dxp/1	3.50	48.00	✓	Nearside	80.62
	2	**1**	Dcf/2	Dxp/2	3.65	48.00	✓	Nearside	83.93
Ec	**1**	**1**	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42
	2	**1**	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	**1**	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	**1**	Ecf/5	Ec/4	3.38	48.00	✓	Offside	66.48
Ecf	**1**	**1**	Dc/1	Ecf/1	3.45	48.00	✓	Offside	76.11
	2	**1**	Dc/2	Ecf/2	3.48	48.00	✓	Offside	72.80
	3	**1**	Dc/3	Ecf/3	3.52	48.00	✓	Offside	69.49
	4	**1**	Dc/4	Ecf/4	3.56	48.00	✓	Offside	66.17
	5	**1**	Dc/4	Ecf/5	3.64	48.00	✓	Offside	62.86
Exp	**1**	**1**	Ecf/1	Exp/1	3.85	48.00	✓	Nearside	52.96
	2	**1**	Ecf/2	Exp/2	3.99	48.00	✓	Nearside	56.27
F	**1**	**1**	Ff/1	F/1	6.39	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	18.76	35.00	✓	Straight	Straight Movement
	2	**1**	Ec/3	Fc/2	18.60	35.00	✓	Straight	Straight Movement
	3	**1**	Ec/4	Fc/3	18.50	35.00	✓	Straight	Straight Movement
Ff	**1**	**1**	51/1	Ff/1	33.02	30.00	✓	Straight	Straight Movement
	2	**1**	51/1	Ff/2	32.98	30.00	✓	Straight	Straight Movement
G	**1**	**1**	Gf/1	G/1	16.06	35.00	✓	Offside	96.83
	2	**1**	Gf/2	G/2	11.45	48.00	✓	Offside	93.51
Gf	**1**	**1**	E2/3	Gf/1	2.92	48.00	✓	Straight	Straight Movement
	2	**1**	E2/4	Gf/2	2.88	48.00	✓	Straight	Straight Movement
xA	**1**	**1**	F/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	**1**	Fc/2	xA/2	17.24	48.00	✓	Straight	Straight Movement
xB	**1**	**1**	53/1	xB/1	4.06	48.00	✓	Nearside	24.23
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	13.03	48.00	✓	Straight	Straight Movement
	2	**1**	Exp/2	xE/2	13.03	48.00	✓	Straight	Straight Movement
xF	**1**	**1**	52/1	xF/1	7.99	48.00	✓	Nearside	22.19
Cc1	**1**	**1**	B/1	Cc1/1	8.63	40.00	✓	Straight	Straight Movement
E1	**1**	**1**	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	**1**	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96
Gf1	**1**	**1**	Ecf/5	Gf1/1	3.59	48.00	✓	Offside	21.77
Cc2	**2**	**1**	B/1	Cc2/2	8.15	40.00	✓	Straight	Straight Movement
	3	**1**	B/3	Cc2/3	8.04	40.00	✓	Straight	Straight Movement
	4	**1**	B/2	Cc2/4	8.16	40.00	✓	Straight	Straight Movement
	5	**1**	B/3	Cc2/5	7.95	40.00	✓	Straight	Straight Movement

	6	1	B/4	Cc2/6	7.92	40.00	✓	Straight	Straight Movement
E2	3	1	Ef/2	E2/3	4.00	48.00	✓	Nearside	43.25
	4	1	Ef/2	E2/4	4.07	48.00	✓	Nearside	43.25
TC5	2	1	xA/1	TC5/2	2.76	30.00	✓	Straight	Straight Movement
	3	1	xA/2	TC5/3	2.76	30.00	✓	Straight	Straight Movement
	4	1	xA/2	TC5/4	2.93	30.00	✓	Straight	Straight Movement
TC9	1	1	49/1	TC9/1	11.00	30.00	✓	Straight	Straight Movement
	2	1	49/2	TC9/2	11.05	30.00	✓	Straight	Straight Movement
	3	1	49/2	TC9/3	11.12	30.00	✓	Straight	Straight Movement
TC35	1	1	xA/1	TC35/1	2.90	30.00	✓	Straight	Straight Movement
TC37	1	1	TC36/1	TC37/1	3.19	50.00	✓	Nearside	46.04
TC38	1	1	TC37/1	TC38/1	1.53	50.00	✓	Straight	Straight Movement
TC39	2	1	TC5/2	TC39/2	2.54	50.00	✓	Straight	Straight Movement
	3	1	TC5/3	TC39/3	2.40	50.00	✓	Straight	Straight Movement
TC40	2	1	TC38/1	TC40/2	4.23	50.00	✓	Nearside	11.92
	3	1	TC39/3	TC40/3	4.02	50.00	✓	Offside	77.43
TC41	1	1	TC36/1	TC41/1	3.93	50.00	✓	Straight	Straight Movement
	2	1	TC36/1	TC41/2	3.97	50.00	✓	Straight	Straight Movement
TC43	1	1	TC9/1	TC43/1	3.74	50.00	✓	Nearside	6.11
47	1	1	xC/1	47/1	16.04	30.00	✓	Straight	Straight Movement
52	1	1	Ec/1	52/1	1.50	48.00	✓	Straight	Straight Movement
53	1	1	Bcf/1	53/1	1.88	48.00	✓	Nearside	76.13
55	1	1	49/1	55/1	10.92	30.00	✓	Straight	Straight Movement
Acf	1	2	Fc/3	Acf/1	5.20	48.00	✓	Offside	94.99
	2	2	Fc/3	Acf/2	7.22	35.00	✓	Offside	92.02
Af	1	2	TC9/1	Af/1	6.60	30.00	✓	Straight	Straight Movement
	2	2	TC9/2	Af/2	6.57	30.00	✓	Straight	Straight Movement
	3	2	TC9/3	Af/3	6.58	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	56/1	D/1	4.13	48.00	✓	Straight	Straight Movement
	2	2	56/1	D/2	4.13	48.00	✓	Straight	Straight Movement
	3	2	56/1	D/3	4.17	48.00	✓	Straight	Straight Movement
	4	2	56/1	D/4	4.45	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/1	Dcf/3	4.98	48.00	✓	Nearside	55.54
	4	2	Cc2/3	Dcf/4	4.99	48.00	✓	Straight	Straight Movement
	5	2	C/3	Dcf/5	5.02	48.00	✓	Nearside	62.17

	6	2	Cc2/6	Dcf/6	5.04	48.00	✓	Offside	96.74
Ecf	1	2	D/1	Ecf/1	3.45	48.00	✓	Nearside	43.36
	2	2	D/1	Ecf/2	3.48	48.00	✓	Nearside	43.36
	3	2	D/2	Ecf/3	3.52	48.00	✓	Nearside	46.68
	4	2	D/3	Ecf/4	3.56	48.00	✓	Nearside	49.99
	5	2	D/4	Ecf/5	3.64	48.00	✓	Nearside	53.30
Fc	1	2	E1/1	Fc/1	20.52	32.00	✓	Nearside	57.49
	2	2	E1/1	Fc/2	20.35	32.00	✓	Nearside	57.49
	3	2	E1/2	Fc/3	20.23	32.00	✓	Nearside	60.81
G	1	2	Gf1/1	G/1	16.06	35.00	✓	Offside	17.91
	2	2	Gf1/1	G/2	11.45	48.00	✓	Offside	15.13
xA	1	2	Fc/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	2	Fc/1	xA/2	17.24	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/1	Cc2/2	10.87	30.00	✓	Straight	Straight Movement
	3	2	Bc/3	Cc2/3	10.71	30.00	✓	Offside	99.23
	4	2	Bc/3	Cc2/4	10.89	30.00	✓	Straight	Straight Movement
	5	2	Bc/3	Cc2/5	10.60	30.00	✓	Offside	95.92
	6	2	Bc/3	Cc2/6	10.55	30.00	✓	Offside	92.60
TC39	2	2	TC42/1	TC39/2	2.54	50.00	✓	Offside	9.44
	3	2	TC42/1	TC39/3	2.40	50.00	✓	Offside	9.44
TC40	2	2	TC39/2	TC40/2	4.23	50.00	✓	Offside	80.74
TC43	1	2	TC5/4	TC43/1	3.74	50.00	✓	Offside	21.45
47	1	2	xC/2	47/1	16.04	30.00	✓	Straight	Straight Movement
52	1	2	E1/1	52/1	1.50	48.00	✓	Nearside	38.64
Acf	1	3	Fc/2	Acf/1	5.20	48.00	✓	Offside	95.33
Af	1	3	TC41/1	Af/1	6.60	30.00	✓	Offside	6.19
	2	3	TC41/2	Af/2	6.57	30.00	✓	Offside	6.00
	3	3	TC41/2	Af/3	6.58	30.00	✓	Offside	6.00
Bcf	2	3	Ac/3	Bcf/2	3.99	57.00	✓	Offside	86.42
xA	2	3	F/2	xA/2	17.24	48.00	✓	Straight	Straight Movement
Cc2	2	3	Bc/2	Cc2/2	10.87	30.00	✓	Straight	Straight Movement
Af	1	4	55/1	Af/1	6.60	30.00	✓	Straight	Straight Movement
	2	4	55/1	Af/2	6.57	30.00	✓	Straight	Straight Movement
	3	4	55/1	Af/3	6.58	30.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

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

Pedestrian Crossings

Pedestrian Crossings

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

Pedestrian Crossings - Signals

Crossing	Controller stream	Phase	Second phase enabled
1	770-2	E	
2	770-1	C	
3	770-4	M	
4	770-3	J	
5	770-3	I	
6	770-3	K	
7	771-1	C	
8	769-1	C	
9	769-2	J	
10	769-2	K	
11	769-2	H	
12	769-2	I	
13	TC777-1	I	
14	TC777-1	F	
15	TC777-1	G	
16	TC777-1	H	
17	TC777-2	K	
18	11	B	
19	12	B	

Pedestrian Crossings - Sides

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

Pedestrian Crossings - Modelling

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

Local OD Matrix - Local Matrix: 1

Local Matrix Options

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

Normal Input Flows (PCU/hr)

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	0	51	396	2	479	170	869	0
	B28	38	0	97	287	625	51	507	0
	C28	601	38	0	363	176	61	1089	0
	D28	3	226	273	0	50	152	238	0
	E28	513	509	82	55	0	52	205	0
	F28	73	17	20	69	10	0	41	0
	G28	357	143	358	128	223	102	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, 56/1	xD/1, xD/2	#804000
	D28	(untitled)	51/1	xF/1	#FF00FF
	E28	(untitled)	Ef/2, Ef/1	xE/1, xE/2	#FF8000
	F28	(untitled)	TC36/1	TC35/1	#FFA500
	G28	(untitled)	49/2, 49/1	TC40/2, TC40/3	#0000FF
	H28	(untitled)	TC42/1	TC43/1	#008000

Normal Paths and Flows

OD Matrix	Path	Description	From location	To location	Path items	Allocation type	N Cal (P
	32	I1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	
	36		C28	E28	Df/1, D/1, Ecf/2, Exp/2, xE/2	Normal	
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	81		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
	82		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	
	83		G28	B28	49/1, 55/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Fixed	
	84		G28	B28	49/1, 55/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Disabled	
	85		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
	86		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	
	87		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Fixed	
	88		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	
	89		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
	90		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	
	91	I2	C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	

100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Normal	
102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
104	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Fixed	
107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	
109	I3	C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	
110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
111		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	
113		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	
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		G28	G28	49/1, 55/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
117		G28	F28	49/1, 55/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Fixed	
118		G28	G28	49/1, 55/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	
124		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
125		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
128		F28	F28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
129		F28	H28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
130		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	
131		G28	G28	49/1, 55/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	
132		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
133		F28	H28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
136		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Fixed	
137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	
138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	
139		A28	H28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
140		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	
141		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	
142		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	
144		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	
145		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
146		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
147		G28	C28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
148		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
149		G28	C28	49/1, 55/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	
151		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
152		C28	C28	56/1, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
153		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
154		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
155		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
156		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
157		H28	C28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
158		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
159		F28	C28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
160		F28	E28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	
171		G28	H28	49/1, TC9/1, TC43/1	Normal	
172		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, 53/1, xB/1	Normal	
175		G28	A28	49/1, 55/1, Af/1, A/1, Bcf/1, 53/1, xB/1	Fixed	
179		C28	A28	56/1, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Fixed	
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	
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	
199		C28	E28	56/1, D/1, Ecf/1, Exp/1, xE/1	Fixed	
200		C28	D28	56/1, D/1, Ecf/2, Ec/1, 52/1, xF/1	Fixed	

1	201		C28	E28	56/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	
	204		A28	G28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	
	205		A28	H28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	207		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Normal	
	234	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	235		E28	G28	Ef/1, E1/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
	236		E28	H28	Ef/1, E1/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	294		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	
	295		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	
	296		D28	G28	51/1, Ff/1, F/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	
	297		D28	H28	51/1, Ff/1, F/2, xA/2, TC5/4, TC43/1	Normal	
	304		C28	D28	Df/1, D/1, Ecf/2, Ec/1, 52/1, xF/1	Normal	
	314		E28	D28	Ef/1, E1/1, 52/1, xF/1	Normal	
	315		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, 53/1, xB/1	Normal	
	320		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Fixed	
	321		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Normal	
	323		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Fixed	
	324		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Normal	
	325		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Normal	
	326		H28	A28	TC42/1, Af/1, A/1, Bcf/1, 53/1, xB/1	Normal	
	395		C28	B28	56/1, D/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Fixed	
	396		C28	B28	56/1, D/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Disabled	
	397		C28	G28	56/1, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
	398		C28	H28	56/1, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	399		C28	A28	56/1, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Disabled	
	401		C28	G28	56/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Fixed	
	402		C28	F28	56/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Fixed	
	403		C28	G28	56/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
	404		C28	H28	56/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	411		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Normal	
	412		B28	G28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	413		B28	H28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	414		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Fixed	
	415		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Normal	
	416		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	
	417		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	
	426		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	427		B28	F28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	428		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	429		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	439		B28	D28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, 52/1, xF/1	Normal	
	440		B28	E28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	461		B28	E28	48/1, Cf/1, C/1, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	468		A28	F28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	469		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
	470		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
	471		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	
	478		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	495		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	496		G28	C28	49/1, 55/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
	497		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	
	498		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	499		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	500		C28	C28	56/1, 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	
	501		C28	C28	56/1, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	502		C28	C28	56/1, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	503		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	
	504		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	

	508		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	514		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, 52/1, xF/1	Normal	
	515		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	516		G28	D28	49/1, 55/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, 52/1, xF/1	Fixed	
	517		G28	E28	49/1, 55/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Disabled	
	518		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, 52/1, xF/1	Normal	
	519		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	520		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	521		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, 52/1, xF/1	Normal	
	522		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	523		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, 52/1, xF/1	Normal	
	524		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	525		F28	D28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, 52/1, xF/1	Normal	
	526		F28	E28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	527		G28	E28	49/1, 55/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	
	528		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	529		G28	C28	49/1, 55/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Disabled	
	530		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	531		C28	C28	56/1, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	532		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	
	533		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	
	534		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	535		F28	C28	TC36/1, TC41/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	

Signal Timings

Network Default: 120s cycle time; 120 steps

Controller Stream 11

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

Controller Stream 11 - Properties

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

Controller Stream 11 - Optimisation

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

Phases

Controller Stream	Phase	Name	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type	Blackout Time (s)
11	**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)
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	78, 90

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	95	78	103	1	7
	2	✓	2	B	83	90	7	1	6

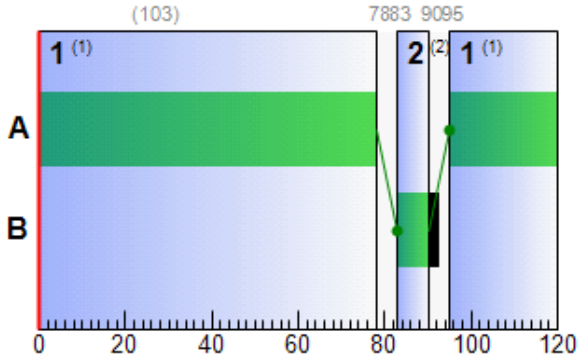
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
11	A	1	✓	95	78	103
	B	1	✓	83	90	7

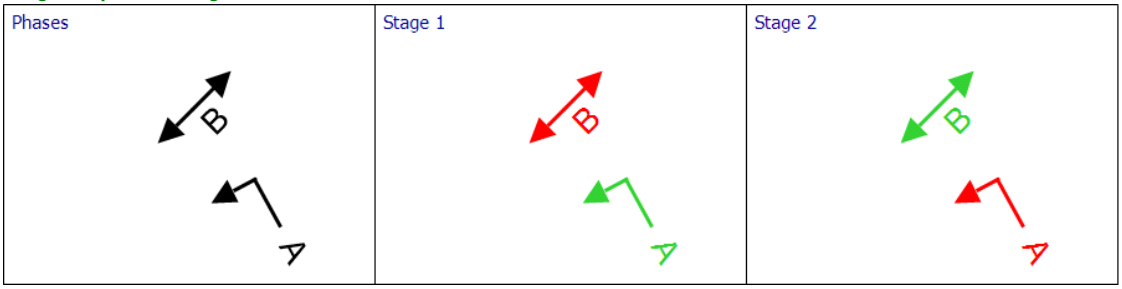
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
52	1	4	11	A	95	78	103			

Phase Timings Diagram for Controller Stream 11



Stage Sequence Diagram for Controller Stream 11



Controller Stream 12

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

Controller Stream 12 - Properties

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

Controller Stream 12 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
12	1	(untitled)	Single	1, 2	78, 90

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	95	78	103	1	7
	2	✓	2	B	83	90	7	1	6

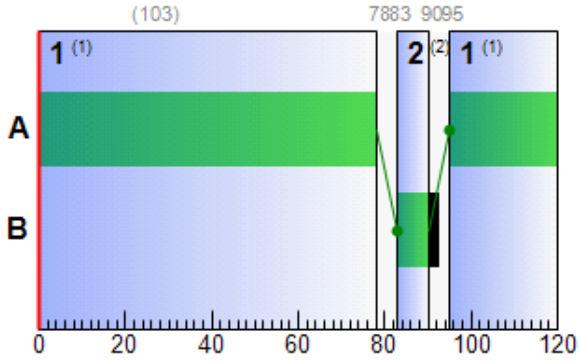
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
12	A	1	✓	95	78	103
	B	1	✓	83	90	7

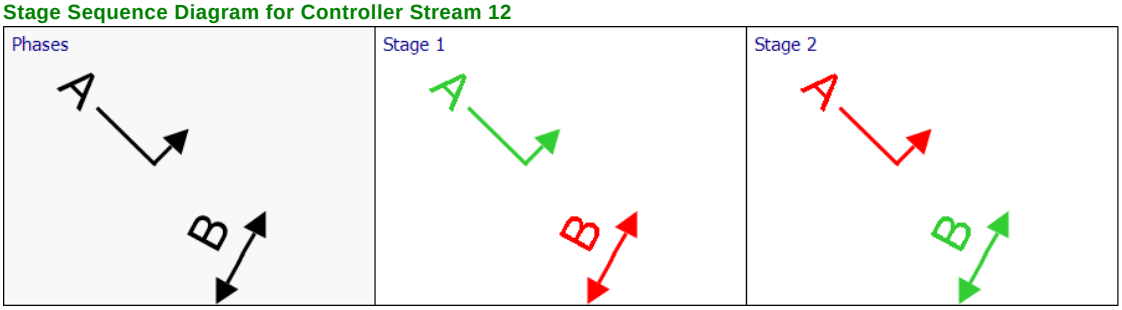
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
53	1	6	12	A	95	78	103			

Phase Timings Diagram for Controller Stream 12



Stage Sequence Diagram for Controller Stream 12



Controller Stream 13

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

Controller Stream 13 - Properties

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

Controller Stream 13 - Optimisation

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

Phases

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

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	7, 115

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	0	7	7	1	7
	2	✓	2	B	12	115	103	1	7

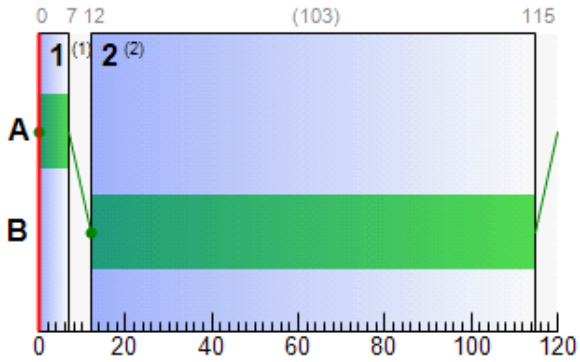
Resultant Phase Green Periods

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

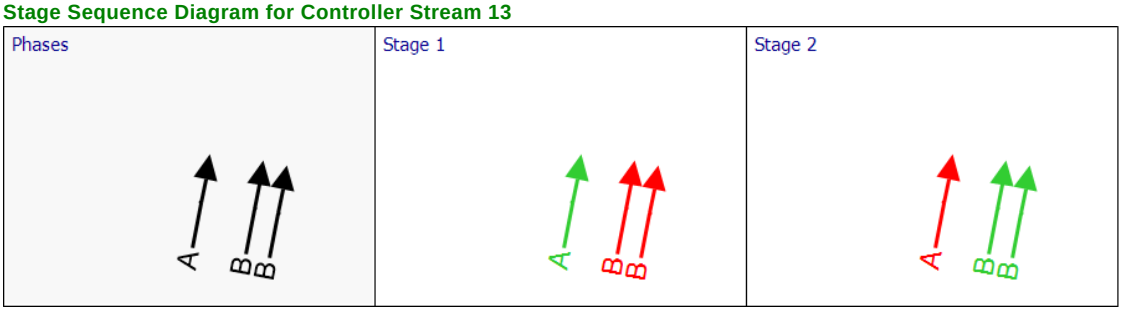
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
Df	1	3-2	13	B	12	115	103			
Df	2	3-2	13	B	12	115	103			
56	1	3-2	13	A	0	7	7			

Phase Timings Diagram for Controller Stream 13



Stage Sequence Diagram for Controller Stream 13



Controller Stream 769-1

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

Controller Stream 769-1 - Properties

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

Controller Stream 769-1 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Equal length multiple cycling	Stage IDs	Stage ends	Multiple cycling stage IDs	Multiple cycling stage ends
769-1	**1**	(untitled)	Double	✓	1, 2	5, 31	1, 2	65, 91

Intergreen Matrix for Controller Stream 769-1

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

Banned Stage transitions for Controller Stream 769-1

		To	
		1	**2**
From	**1**		
	2		

Interstage Matrix for Controller Stream 769-1

		To	
		1	2
From	1	0	7
	2	5	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
769-1	1	✓	1	A	96	5	29	1	7
	2	✓	2	B	12	31	19	1	7
	3		1	A	36	65	29	1	7
	4		2	B	72	91	19	1	7

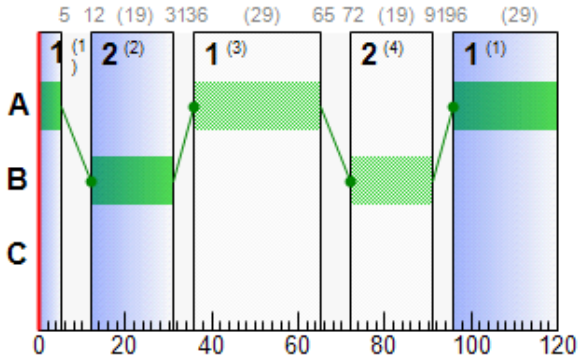
Resultant Phase Green Periods

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

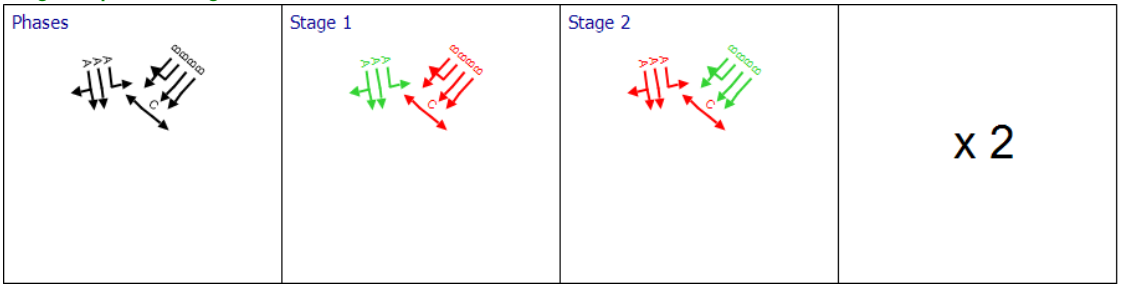
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
B	1	1	769-1	B	12	31	19	72	91	19
B	2	1	769-1	B	12	31	19	72	91	19
B	3	1	769-1	B	12	31	19	72	91	19
B	4	1	769-1	B	12	31	19	72	91	19
Bc	1	1	769-1	A	36	65	29	96	5	29
Bc	2	1	769-1	A	36	65	29	96	5	29
Bc	3	1	769-1	A	36	65	29	96	5	29

Phase Timings Diagram for Controller Stream 769-1



Stage Sequence Diagram for Controller Stream 769-1



Controller Stream 769-2

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

Controller Stream 769-2 - Properties

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

Controller Stream 769-2 - Optimisation

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

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 769-2

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

Banned Stage transitions for Controller Stream 769-2

		To		
		4	5	6
From	4			
	5			
	6			

Interstage Matrix for Controller Stream 769-2

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

Resultant Stages

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

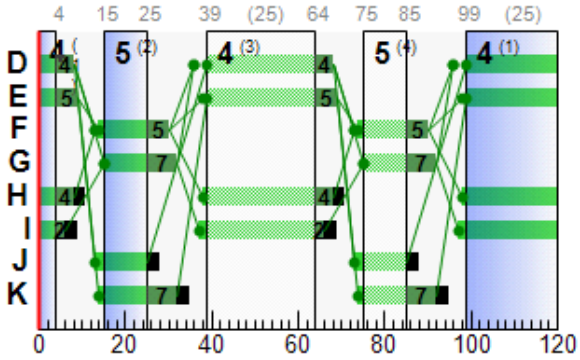
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
769-2	D	1		39	68	29
		2	✓	99	8	29
	E	1		39	69	30
		2	✓	99	9	30
	F	1	✓	14	30	16
		2		74	90	16
	G	1	✓	15	32	17
		2		75	92	17
	H	1		38	68	30
		2	✓	98	8	30
	I	1		37	66	29
		2	✓	97	6	29
	J	1	✓	13	25	12
		2		73	85	12
	K	1	✓	14	32	18
		2		74	92	18

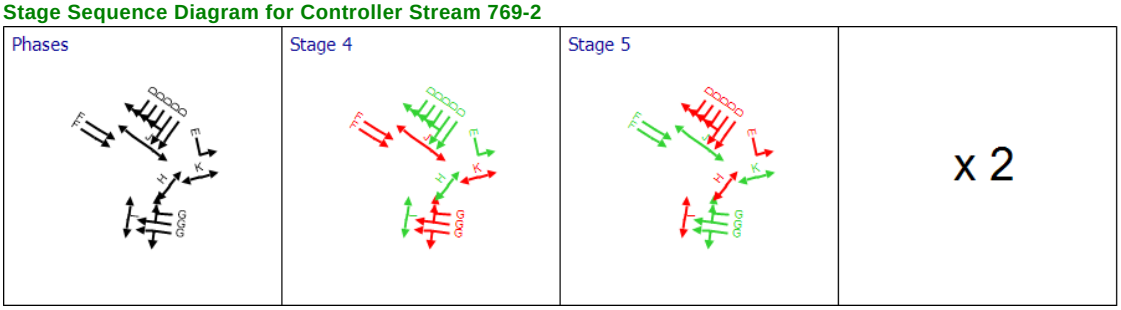
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 769-2



Stage Sequence Diagram for Controller Stream 769-2



Controller Stream 770-1

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

Controller Stream 770-1 - Properties

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

Controller Stream 770-1 - Optimisation

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

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 770-1

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

Banned Stage transitions for Controller Stream 770-1

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 770-1

		To	
		1	2
From	1	0	9
	2	5	0

Resultant Stages

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

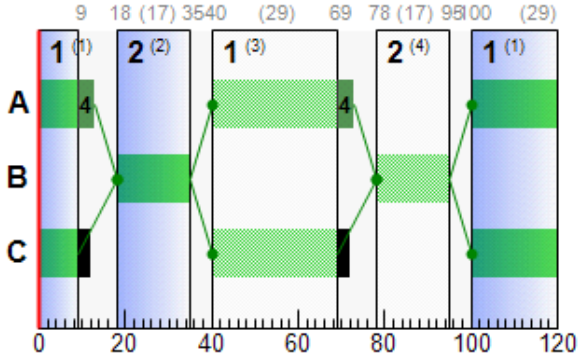
Resultant Phase Green Periods

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

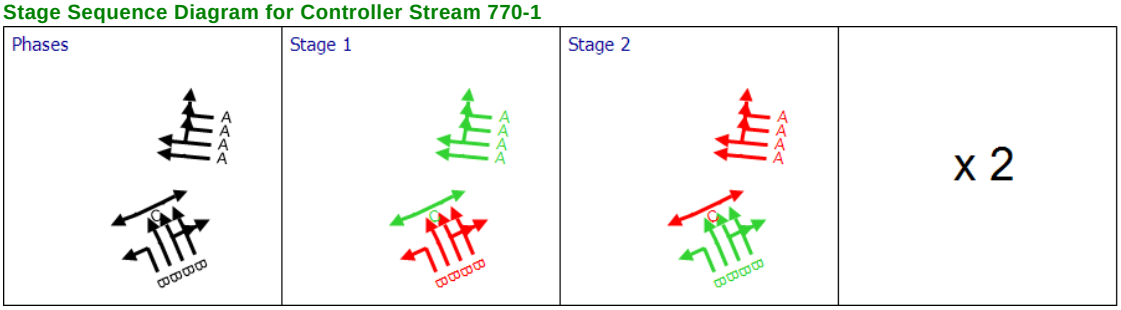
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 770-1



Stage Sequence Diagram for Controller Stream 770-1



Controller Stream 770-2

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

Controller Stream 770-2 - Properties

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

Controller Stream 770-2 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 770-2

		To	
		D	E
From	D		5
	E	7	

Banned Stage transitions for Controller Stream 770-2

		To	
		4	5
From	4		
	5		

Interstage Matrix for Controller Stream 770-2

		To	
		4	5
From	4	0	5
	5	7	0

Resultant Stages

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

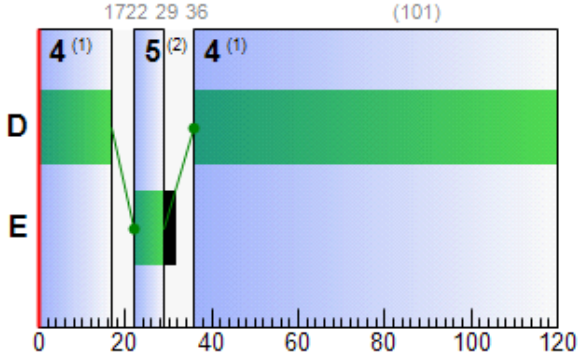
Resultant Phase Green Periods

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

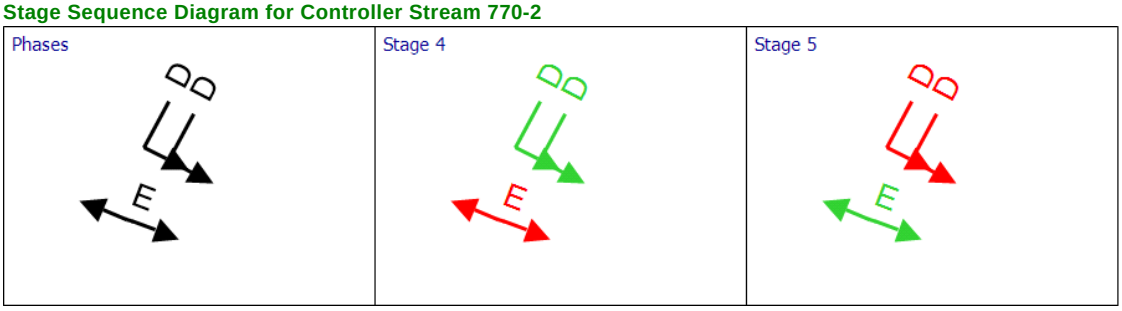
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 770-2



Stage Sequence Diagram for Controller Stream 770-2



Controller Stream 770-3

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

Controller Stream 770-3 - Properties

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

Controller Stream 770-3 - Optimisation

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

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 770-3

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

Banned Stage transitions for Controller Stream 770-3

		To		
		7	8	9
From	7			
	8			
	9			

Interstage Matrix for Controller Stream 770-3

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

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
770-3	1	✓	7	F,I,J	100	10	30	1	2
	2	✓	9	G,H	21	28	7	1	1
	3		7	F,I,J	40	70	30	1	2
	4		9	G,H	81	88	7	1	1

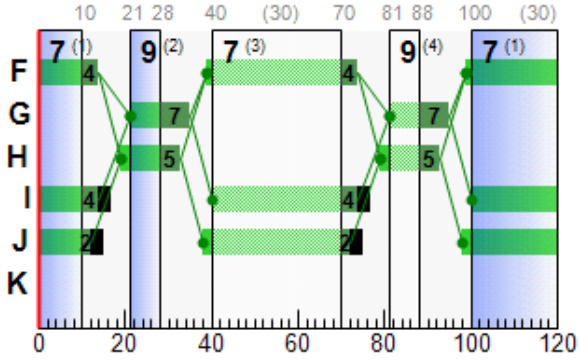
Resultant Phase Green Periods

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

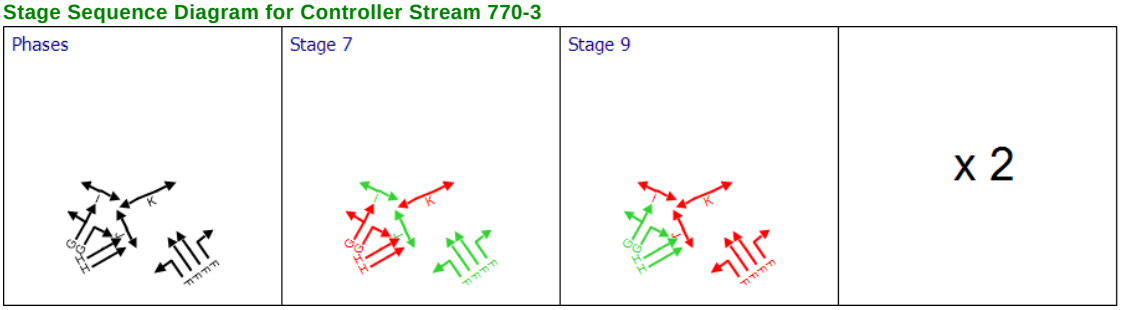
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 770-3



Stage Sequence Diagram for Controller Stream 770-3



Controller Stream 770-4

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

Controller Stream 770-4 - Properties

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

Controller Stream 770-4 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 770-4

		To	
		L	M
From	L		5
	M	7	

Banned Stage transitions for Controller Stream 770-4

		To	
		11	12
From	11		
	12		

Interstage Matrix for Controller Stream 770-4

		To	
		11	12
From	11	0	5
	12	7	0

Resultant Stages

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

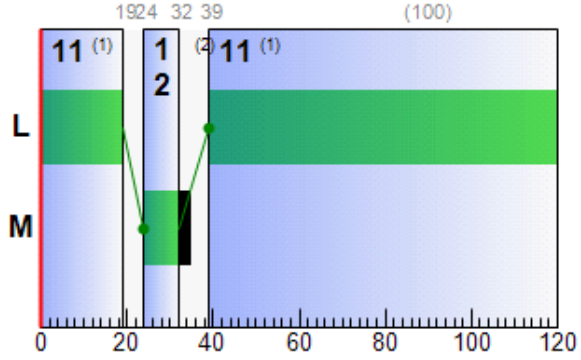
Resultant Phase Green Periods

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

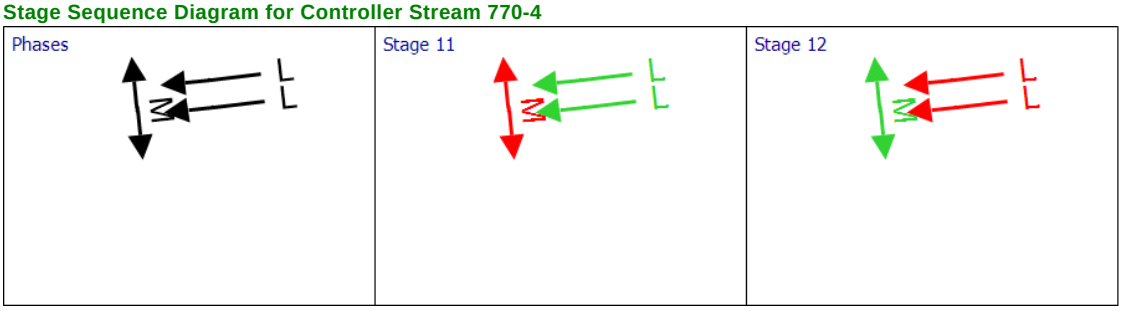
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 770-4



Stage Sequence Diagram for Controller Stream 770-4



Controller Stream 771-1

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

Controller Stream 771-1 - Properties

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

Controller Stream 771-1 - Optimisation

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

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 771-1

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

Banned Stage transitions for Controller Stream 771-1

		To		
		1	2	3
From	1			
	2			
	3			

Interstage Matrix for Controller Stream 771-1

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

Resultant Stages

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

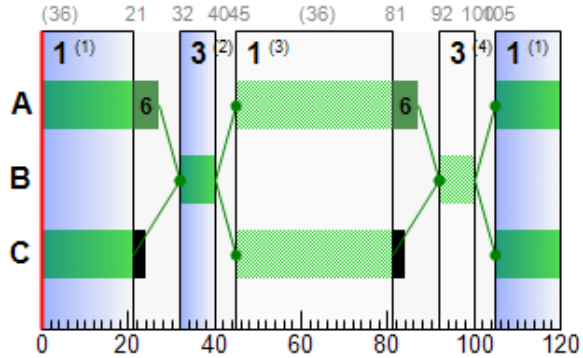
Resultant Phase Green Periods

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

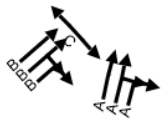
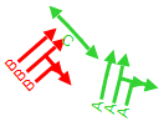
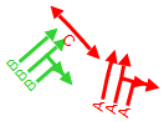
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 771-1



Stage Sequence Diagram for Controller Stream 771-1

Phases	Stage 1	Stage 3	
			x 2

Controller Stream 771-2

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

Controller Stream 771-2 - Properties

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

Controller Stream 771-2 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 771-2

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

Banned Stage transitions for Controller Stream 771-2

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

Interstage Matrix for Controller Stream 771-2

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

Resultant Stages

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

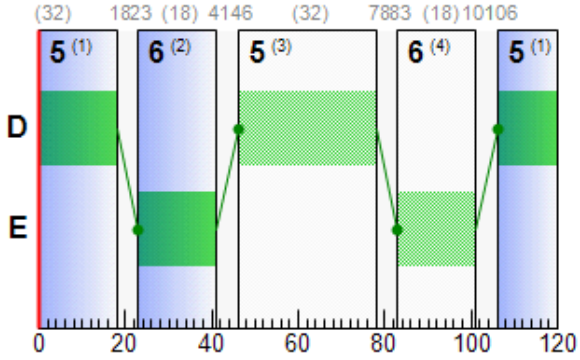
Resultant Phase Green Periods

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

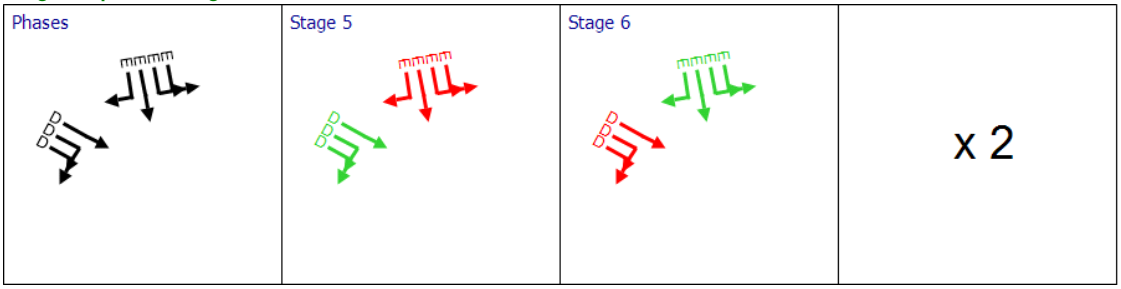
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 771-2



Stage Sequence Diagram for Controller Stream 771-2



Controller Stream TC777-1

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

Controller Stream TC777-1 - Properties

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

Controller Stream TC777-1 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream TC777-1

		To									
		A	B	C	D	E	F	G	H	I	J
From	A				5	5			7	5	
	B			5	5	5		5			5
	C		6		5	5					6
	D	5	5	6			5				5
	E	5	5	5					8		5
	F				8						
	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	8	8	5	5
	2	16	0	16	8	8	5	16
	3	6	6	0	8	8	6	6
	4	5	6	8	0	8	5	5
	5	6	6	5	6	0	6	6
	6	5	5	8	8	8	0	5
	7	5	5	7	8	8	5	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
TC777-1	1	✓	1	A,B,F	17	89	72	1	7
	2	✓	2	A,C,F,G	94	105	11	1	7
	3	✓	5	D,H,I	113	0	7	1	7
	4	✓	7	A,F,J	6	12	6	1	6

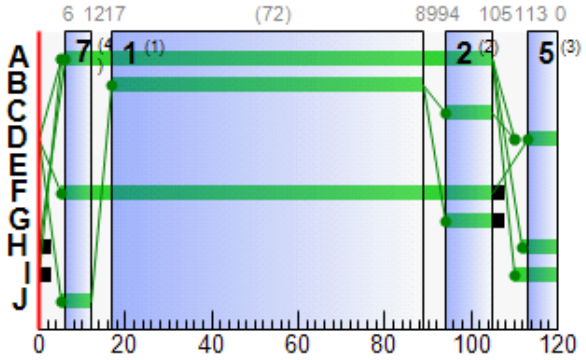
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
TC777-1	A	1	✓	6	105	99
	B	1	✓	17	89	72
	C	1	✓	94	105	11
	D	1	✓	113	0	7
	F	1	✓	5	105	100
	G	1	✓	94	105	11
	H	1	✓	112	0	8
	I	1	✓	110	0	10
	J	1	✓	5	12	7

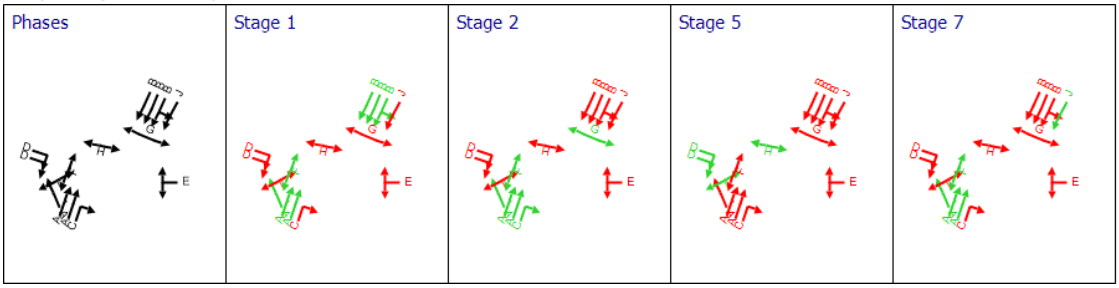
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
TC5	2	TC771-6	TC777-1	A	6	105	99			
TC5	3	TC771-6	TC777-1	A	6	105	99			
TC5	4	TC771-6	TC777-1	C	94	105	11			
TC9	1	TC771-6	TC777-1	B	17	89	72			
TC9	2	TC771-6	TC777-1	B	17	89	72			
TC9	3	TC771-6	TC777-1	B	17	89	72			
TC35	1	TC771-6	TC777-1	A	6	105	99			
TC41	1	TC771-6	TC777-1	D	113	0	7			
TC41	2	TC771-6	TC777-1	D	113	0	7			
TC42	1	TC771-6	TC777-1	E						
55	1	TC771-6	TC777-1	J	5	12	7			

Phase Timings Diagram for Controller Stream TC777-1



Stage Sequence Diagram for Controller Stream TC777-1



Controller Stream TC777-2

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

Controller Stream TC777-2 - Properties

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

Controller Stream TC777-2 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream TC777-2

		To	
		J	K
From	J		5
	K	5	

Banned Stage transitions for Controller Stream TC777-2

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream TC777-2

		To	
		1	2
From	1	0	5
	2	5	0

Resultant Stages

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

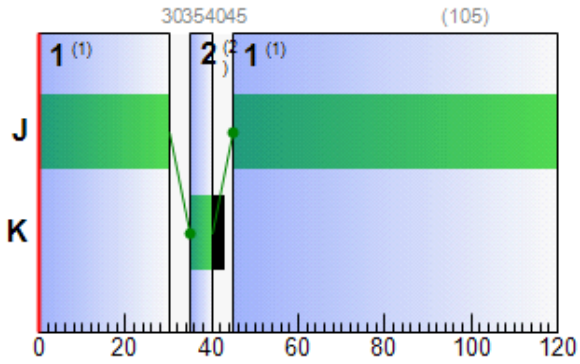
Resultant Phase Green Periods

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

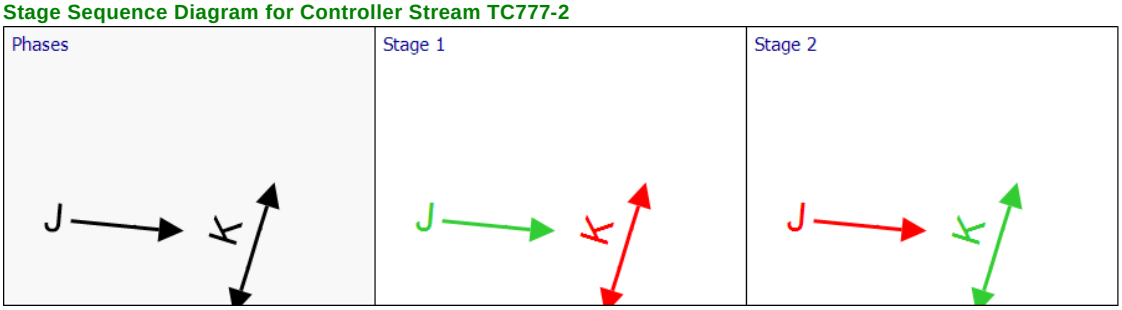
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream TC777-2



Stage Sequence Diagram for Controller Stream TC777-2



Resultant penalties

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

Results - Link

Results - Traffic Stream

Results - Traffic Stream: Vehicle summary

Time Segment	Arm	Traffic Stream	Name	Phase	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Calculated capacity (PCU/hr)	Degree of saturation (%)	Practical reserve capacity (%)	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	JourneyTime (s)
	A	1	(untitled)	E	430	2050	36	649	66	36	17.43	5.64	43.49	23.01
		2	(untitled)	E	172	2050	36	649	26	240	11.39	2.37	17.70	17.16
		3	(untitled)	E	360	2050	36	649	55	62	12.40	4.55	33.26	18.30
		4	(untitled)	E	541	2050	36	649	83	8	24.90	7.95	56.89	30.93
	Ac	1	(untitled)	D	1114	2263	64	1245	89	1	20.03	12.85	77.14	27.21
		2	(untitled)	D	230	2263	64	1245	18	388	0.33	0.02	0.13	9.82
		3	(untitled)	D	387	2263	64	1245	31	190	1.21	4.79	31.30	7.81
	Acf	1	(untitled)		1343	2263	120	2263	59	52	1.16	0.43	3.59	6.36
		2	(untitled)		387	2263	120	2263	17	426	0.16	0.02	0.14	7.39
	Af	1	(untitled)		602	2050	120	2050	29	206	0.36	0.06	0.64	6.96
		2	(untitled)		360	2050	120	2050	18	413	0.19	0.02	0.20	6.75
		3	(untitled)		541	2050	120	2050	26	241	0.31	0.05	0.50	6.90
	B	1	(untitled)	B	329	2050	38	683	48	87	15.09	3.67	22.30	22.19
		2	(untitled)	B	339	2150	38	711	48	89	14.96	3.76	22.25	22.25
		3	(untitled)	B	414	2100	38	700	59	52	31.76	7.47	43.11	39.23
		4	(untitled)	B	450	2050	38	450	100	-10	184.40	27.52	154.50	196.69
	Bc	1	(untitled)	A	402	2050	58	1025	39	130	5.13	4.79	20.73	15.10
		2	(untitled)	A	529	2050	58	1016	52	73	5.59	5.10	22.27	15.46
		3	(untitled)	A	759	2050	58	1025	74	22	8.67	14.96	66.05	18.44
	Bcf	1	(untitled)		1544	2263	120	2263	68	32	1.70	0.73	6.69	5.87
		2	(untitled)		402	2263	120	2263	18	407	0.17	0.02	0.17	5.31
		3	(untitled)		529	2263	120	2263	23	285	0.24	0.04	0.33	5.99
		4	(untitled)		759	2263	120	2263	34	168	0.40	0.08	0.78	6.23
	Bf	1	(untitled)		668	1800	120	1800	37	143	0.59	0.11	0.28	27.93
		2	(untitled)		864	1800	120	904	96	-6	106.79	46.30	116.55	134.21
	C	1	(untitled)	G	512	2100	34	630	81	11	36.21	9.98	47.37	50.74
		2	(untitled)	G	466	2200	34	638	73	23	22.94	8.72	41.00	37.63
		3	(untitled)	G	578	2050	34	615	94	-4	117.91	25.71	118.87	132.83
	Cf	1	(untitled)		512	1965	120	1965	26	246	0.32	0.05	0.18	17.67
		2	(untitled)		1044	1965	120	1044	100	-10	88.77	40.29	158.81	106.27
		1	(untitled)	B	504	2050	34	615	82	10	40.50	8.89	92.98	44.63

07:30-08:30	D	2	(untitled)	B	555	1850	34	555	100	-10	112.56	20.57	215.10	116.68
		3	(untitled)	B	560	2250	34	669	84	8	30.45	9.71	100.41	34.62
		4	(untitled)	B	636	2250	34	675	94	-4	50.63	14.45	140.02	55.08
	Dc	1	(untitled)	A	878	2100	66	1188	74	22	12.27	7.93	90.75	16.04
		2	(untitled)	A	860	2100	66	1177	73	23	12.82	7.89	93.89	16.45
		3	(untitled)	A	677	2100	66	966	70	28	10.54	6.49	80.38	14.03
		4	(untitled)	A	811	2100	66	811	100	-10	79.99	20.71	267.68	83.32
	Dcf	1	(untitled)		917	2050	120	2050	45	101	0.71	0.18	1.58	5.66
		2	(untitled)		205	2100	120	2100	10	820	0.09	0.01	0.05	5.04
		3	(untitled)		878	2100	120	1548	57	59	2.60	5.40	46.75	7.57
		4	(untitled)		860	2100	120	1502	57	57	3.33	7.34	63.38	8.33
		5	(untitled)		677	2100	120	2066	33	175	0.47	2.41	20.71	5.49
		6	(untitled)		811	2100	120	811	100	-10	86.08	25.00	214.12	91.11
	Df	1	(untitled)	B	1118	1900	103	1045	107	-16	148.87	60.71	174.56	172.87
		2	(untitled)	B	1196	2250	103	1912	63	44	3.85	11.82	33.97	27.85
	Dxp	1	(untitled)	D	989	2050	101	1743	57	59	1.66	1.75	21.57	5.15
		2	(untitled)	D	210	2050	101	1743	12	646	0.27	0.14	1.60	3.92
	Ec	1	(untitled)	F	816	2150	70	1290	63	42	8.70	7.07	81.20	12.45
		2	(untitled)	F	1232	2263	70	1358	91	-1	17.04	11.01	130.76	20.67
		3	(untitled)	F	1335	2263	70	1358	98	-8	41.35	19.83	243.72	44.86
		4	(untitled)	F	635	2250	70	1350	47	91	11.19	7.11	90.61	14.57
	Ecf	1	(untitled)		961	2100	120	2090	46	96	0.79	4.87	60.94	4.24
		2	(untitled)		1280	2100	120	2084	61	46	1.51	5.35	66.36	4.99
		3	(untitled)		1232	2263	120	1747	71	28	5.87	7.09	86.89	9.39
		4	(untitled)		1335	2300	120	1545	86	4	12.80	9.40	113.83	16.36
		5	(untitled)		673	2300	120	1759	38	135	4.99	5.04	59.71	8.64
	Ef	1	(untitled)		907	1900	120	836	108	-17	173.69	54.15	244.12	188.99
		2	(untitled)		509	1900	120	1900	27	236	0.35	0.05	0.22	15.65
	Exp	1	(untitled)	L	961	2050	100	1725	56	62	1.86	5.04	56.44	5.71
		2	(untitled)	L	464	2050	100	1725	27	234	1.13	2.37	25.58	5.12
	F	1	(untitled)	B	310	2100	16	315	98	-9	108.73	11.96	80.76	115.11
		2	(untitled)	B	310	2100	16	315	98	-9	108.73	11.96	80.23	115.16
		3	(untitled)	B	324	2100	16	315	103	-12	245.63	24.95	164.48	252.18
	Fc	1	(untitled)	A	1449	2263	84	1622	89	1	10.46	8.72	27.50	29.47
		2	(untitled)	A	1366	2263	84	1483	92	-2	19.83	30.19	95.97	38.47
		3	(untitled)	A	1172	2263	84	1614	73	24	6.67	22.05	70.51	25.96
	Ff	1	(untitled)		620	1900	120	1900	33	176	0.46	0.08	0.17	33.48
		2	(untitled)		324	1900	120	1288	25	258	3.00	1.49	3.12	35.98
	G	1	(untitled)	F	280	2050	32	561	50	80	39.25	4.91	18.10	55.31
		2	(untitled)	F	267	2050	32	561	48	89	43.86	5.06	19.05	55.30
	Gf	1	(untitled)		261	2050	120	2049	13	607	0.13	2.33	34.47	3.05
		2	(untitled)		248	2050	120	2049	12	644	0.13	2.33	34.85	3.01
	xA	1	(untitled)		1618	2263	120	2156	75	20	2.92	6.05	15.15	20.14
		2	(untitled)		1573	2263	120	2185	72	25	2.65	31.07	77.70	19.89
	xB	1	(untitled)		1544	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.06
	xC	1	(untitled)		496	1900	120	1062	47	93	6.83	7.20	35.80	15.50
		2	(untitled)		479	1900	120	1088	44	104	6.25	7.17	35.53	14.95
	xD	1	(untitled)		989	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
		2	(untitled)		210	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
	xE	1	(untitled)		961	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.03
		2	(untitled)		464	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.03
	xF	1	(untitled)		867	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	7.99
	Cc1	1	(untitled)	E	428	2050	60	1059	40	122	6.18	2.67	15.99	12.78
	E1	1	(untitled)	G	299	2050	28	513	58	54	36.37	5.37	38.60	42.37
		2	(untitled)	G	537	2200	28	550	98	-8	124.14	22.32	160.41	130.14
	Gf1	1	(untitled)		38	668	120	668	6	1482	2.19	0.33	3.97	5.78
		2	(untitled)	D	832	2150	58	1036	80	12	18.85	15.04	95.42	28.78
		3	(untitled)	D	394	2050	58	1025	38	134	4.00	1.65	10.64	14.34

	Cc2	4	(untitled)	D	657	2150	58	1075	61	47	18.81	9.76	61.84	28.29
		5	(untitled)	D	461	2050	58	1025	45	100	15.76	6.48	42.14	24.30
		6	(untitled)	D	450	2050	58	450	100	-10	151.03	23.57	154.09	158.95
	E2	3	(untitled)	H	261	2150	28	528	49	82	22.67	3.65	39.38	26.67
		4	(untitled)	H	248	2050	28	513	48	86	22.48	3.46	36.66	26.56
	TC5	2	(untitled)	A	1078	2263	99	1905	57	59	2.16	3.00	75.01	4.92
		3	(untitled)	A	1573	2263	99	1905	83	9	4.83	4.83	120.52	7.59
		4	(untitled)	C	0	1800	11	180	0	Unrestricted	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	497	1925	72	1203	41	118	12.43	7.87	49.32	23.43
		2	(untitled)	B	352	1966	72	1229	29	214	10.87	5.04	31.49	21.92
		3	(untitled)	B	452	1947	72	1217	37	142	11.86	6.82	42.32	22.99
	TC35	1	(untitled)	A	541	1900	99	1599	34	166	2.57	2.98	71.02	5.46
	TC36	1	(untitled)		231	1800	120	1800	13	601	0.15	0.01	0.22	3.17
	TC37	1	(untitled)	J	41	1850	105	1634	3	3487	0.90	0.16	2.07	4.09
	TC38	1	(untitled)		41	211	120	211	19	363	13.09	2.44	65.78	14.62
	TC39	2	(untitled)		1078	2263	120	2263	48	89	0.72	0.22	3.53	3.26
		3	(untitled)		1573	2263	120	2263	70	29	1.81	0.79	13.63	4.20
	TC40	2	(untitled)		1119	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		1573	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	95	1850	7	123	77	17	98.25	4.15	43.65	102.18
		2	(untitled)	D	95	1850	7	123	77	17	98.25	4.15	43.30	102.21
	TC42	1	(untitled)	E	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC43	1	(untitled)		0	1800	120	1800	0	Unrestricted	0.00	0.00	0.00	0.00
	47	1	(untitled)		975	1300	120	1300	75	20	4.11	1.11	4.80	20.15
	48	1	(untitled)		1605	1965	120	1556	103	-13	85.11	60.92	635.43	91.73
	49	1	(untitled)		509	1900	120	1900	27	236	0.35	0.05	1.07	3.50
		2	(untitled)		804	1900	120	1900	42	113	0.69	0.16	3.40	3.84
	50	1	(untitled)		1968	1900	120	1532	128	-30	406.20	244.93	2925.18	411.98
	51	1	(untitled)		944	1900	120	1900	50	81	0.93	0.24	3.76	5.43
	52	1		A	867	1800	103	1560	56	62	2.58	10.97	315.46	4.08
	53	1		A	1544	1800	103	1560	99	-9	43.75	53.56	1231.89	45.62
	55	1		J	12	1800	7	120	10	800	54.40	0.38	2.39	65.32
	56	1		A	14	1800	7	118	12	657	54.82	0.45	1.29	78.82

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	95	78	103	1	7
	2	✓	2	B	83	90	7	1	6
12	1	✓	1	A	95	78	103	1	7
	2	✓	2	B	83	90	7	1	6
13	1	✓	1	A	0	7	7	1	7
	2	✓	2	B	12	115	103	1	7
769-1	1	✓	1	A	96	5	29	1	7
	2	✓	2	B	12	31	19	1	7
	3		1	A	36	65	29	1	7
	4		2	B	72	91	19	1	7
769-2	1	✓	4	D,E,H,I	99	4	25	1	3
	2	✓	5	F,G,J,K	15	25	10	1	10
	3		4	D,E,H,I	39	64	25	1	3
	4		5	F,G,J,K	75	85	10	1	10
770-1	1	✓	1	A,C	100	9	29	1	7
	2	✓	2	B	18	35	17	1	7
	3		1	A,C	40	69	29	1	7
	4		2	B	78	95	17	1	7
770-2	1	✓	4	D	36	17	101	1	7
	2	✓	5	E	22	29	7	1	5
770-3	1	✓	7	F,I,J	100	10	30	1	2
	2	✓	9	G,H	21	28	7	1	1
	3		7	F,I,J	40	70	30	1	2
	4		9	G,H	81	88	7	1	1
770-4	1	✓	11	L	39	19	100	1	7
	2	✓	12	M	24	32	8	1	6
771-1	1	✓	1	A,C	105	21	36	1	9
	2	✓	3	B	32	40	8	1	7
	3		1	A,C	45	81	36	1	9
	4		3	B	92	100	8	1	7
771-2	1	✓	5	D	106	18	32	1	7
	2	✓	6	E	23	41	18	1	7
	3		5	D	46	78	32	1	7
	4		6	E	83	101	18	1	7
TC777-1	1	✓	1	A,B,F	17	89	72	1	7
	2	✓	2	A,C,F,G	94	105	11	1	7
	3	✓	5	D,H,I	113	0	7	1	7
	4	✓	7	A,F,J	6	12	6	1	6
TC777-2	1	✓	1	J	45	30	105	1	7
	2	✓	2	K	35	40	5	1	5

Data Entry - Phase

Phase

Controller Stream	Phase	Phase	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type
11	A	A	7	300	0	0	Traffic
	B	B	6	300	0	0	Pedestrian
12	A	A	7	300	0	0	Traffic
	B	B	6	300	0	0	Pedestrian
13	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
769-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	7	300	0	0	Pedestrian
769-2	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	4	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	5	300	0	0	Pedestrian
	I	I	7	300	0	0	Pedestrian
	J	J	12	300	0	0	Pedestrian
	K	K	5	300	0	0	Pedestrian
770-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	7	300	0	0	Pedestrian
770-2	D	D	7	300	0	0	Traffic
	E	E	5	300	0	0	Pedestrian
770-3	F	F	7	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	4	300	0	0	Traffic
	I	I	5	300	0	0	Pedestrian
	J	J	5	300	0	0	Pedestrian
	K	K	10	300	0	0	Pedestrian
770-4	L	L	7	300	0	0	Traffic
	M	M	6	300	0	0	Pedestrian
771-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	9	300	0	0	Pedestrian
771-2	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
TC777-1	A	A	7	300	0	1	Traffic
	B	B	7	300	0	2	Traffic
	C	C	7	300	0	0	Traffic
	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	5	300	0	0	Pedestrian
	G	G	7	300	0	0	Pedestrian
	H	H	6	300	0	0	Pedestrian
	I	I	5	300	0	0	Pedestrian
	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	✓	69.38	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	70.22	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Af	1	✓	54.98	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	54.73	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	54.86	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	✓	132.94	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	131.59	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	130.23	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
	1		55.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100

D	**2**		55.00	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
	3	✓	55.60	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	100
	4	✓	59.33	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	100
Dc	**1**	✓	50.27	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	48.34	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	46.42	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	4	✓	44.49	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
Dcf	**1**	✓	65.95	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	65.92	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	66.37	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	66.58	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	66.90	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	6	✓	67.13	CTM	0.00	Normal	✓			Directly entered	2100	100	100
Df	**1**		200.00	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1900	100	100
	2		200.00	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2250	100	100
Dxp	**1**	✓	46.62	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	48.64	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ec	**1**	✓	50.09	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	46.77	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	4	✓	45.11	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	100
Ecf	**1**	✓	45.94	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	2	✓	46.37	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	46.93	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	47.50	CTM	0.00	Normal	✓			Directly entered	2300	100	100
	5	✓	48.55	CTM	0.00	Normal	✓			Directly entered	2300	100	100
Ef	**1**	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	**1**	✓	51.37	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.23	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	**1**	✓	85.16	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	87.24	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	1	✓	182.36	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100

Fc	**2**	✓	180.86	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	179.86	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
Ff	**1**	✓	275.15	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
	2	✓	274.83	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**	✓	229.62	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	229.90	CTM	0.00	Normal	✓			Directly entered	2263	100	100
xB	**1**	✓	54.14	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**	✓	173.78	NetworkDefault	0.00	Normal						100	100
	2	✓	173.74	NetworkDefault	0.00	Normal						100	100
xF	**1**	✓	106.54	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**	✓	47.81	NetworkDefault	0.00	Normal			✓			100	100
Cc2	**2**	✓	90.61	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	89.28	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	4	✓	90.72	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	5	✓	88.37	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	6	✓	87.95	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E2	**3**	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
TC5	**2**	✓	23.03	CTM	0.00	Normal	✓	✓		Sum of lanes	2263	100	100
	3	✓	23.02	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	4	✓	24.43	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
TC9	**1**	✓	91.71	CTM	0.00	Normal	✓	✓		Directly entered	1925	100	100
	2	✓	92.11	CTM	0.00	Normal	✓	✓		Sum of lanes	1966	100	100
	3	✓	92.69	CTM	0.00	Normal	✓	✓		Sum of lanes	1947	100	100
TC35	**1**	✓	24.16	CTM	0.00	Normal	✓	✓		Directly entered	1900	100	100
TC36	**1**	✓	25.22	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100

TC37	**1**	✓	44.32	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
TC38	**1**	✓	21.32	CTM	0.00	Normal	✓		✓	Directly entered	1850	100	100
TC39	**2**	✓	35.24	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	33.28	CTM	0.00	Normal	✓			Directly entered	2263	100	100
TC40	**2**	✓	58.74	PDM	0.00	Normal						100	100
	3	✓	55.82	PDM	0.00	Normal						100	100
TC41	**1**	✓	54.63	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
	2	✓	55.07	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
TC42	**1**	✓	23.35	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1771	100	100
TC43	**1**	✓	52.01	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
47	**1**	✓	133.63	CTM	0.00	Normal	✓			Directly entered	1300	100	100
48	**1**	✓	55.12	NetworkDefault	0.00	Normal	✓			Sum of lanes	1965	100	100
49	**1**	✓	26.24	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	26.24	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
50	**1**	✓	48.15	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
51	**1**	✓	37.47	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
52	**1**		20.00	NetworkDefault	0.00	Normal	✓	✓		Directly entered	1800	100	100
53	**1**		25.00	NetworkDefault	0.00	Normal	✓	✓		Directly entered	1800	100	100
55	**1**		91.00	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
56	**1**		200.00	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	100

Data entry - Link

Results - Pedestrian

Pedestrian Crossings: Pedestrian summary

Time Segment	Pedestrian crossing	Side	Calculated Flow Entering (Ped/hr)	Degree of saturation (%)	Actual green (s (per cycle))	Mean Delay Per Ped (s)	Mean max queue (Ped)
07:30-08:30	1	1	0	0	7	0.00	0.00
		2	0	0	7	0.00	0.00
	2	1	0	0	58	0.00	0.00
		2	0	0	58	0.00	0.00
	3	1	0	0	8	0.00	0.00
		2	0	0	8	0.00	0.00
	4	1	0	0	68	0.00	0.00
		2	0	0	68	0.00	0.00
	5	1	0	0	68	0.00	0.00
		2	0	0	68	0.00	0.00
	6	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	7	1	0	0	72	0.00	0.00
		2	0	0	72	0.00	0.00
	8	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	9	1	0	0	24	0.00	0.00
		2	0	0	24	0.00	0.00
	10	1	0	0	36	0.00	0.00
		2	0	0	36	0.00	0.00
	11	1	0	0	60	0.00	0.00
		2	0	0	60	0.00	0.00
	12	1	0	0	58	0.00	0.00
		2	0	0	58	0.00	0.00
	13	1	0	0	10	0.00	0.00
		2	0	0	10	0.00	0.00
	14	1	0	0	100	0.00	0.00
		2	0	0	100	0.00	0.00
	15	1	0	0	11	0.00	0.00
		2	0	0	11	0.00	0.00
	16	1	0	0	8	0.00	0.00
		2	0	0	8	0.00	0.00
	17	1	0	0	5	0.00	0.00
		2	0	0	5	0.00	0.00
	18	1	0	0	7	0.00	0.00
		2	0	0	7	0.00	0.00
	19	1	0	0	7	0.00	0.00
		2	0	0	7	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	66	36	430	2050	36	17.43	5.64	43.49	29.56	8.64	38.20
		2	26	240	172	2050	36	11.39	2.37	17.70	7.73	2.87	10.60
		3	55	62	360	2050	36	12.40	4.55	33.26	17.61	5.05	22.66

		4	83	8	541	2050	36	24.90	7.95	56.89	53.14	12.59	65.73
	Ac	1	89	1	1114	2263	64	20.03	12.85	77.14	87.99	18.88	106.87
		2	18	388	230	2263	64	0.33	0.02	0.13	0.30	0.00	0.30
		3	31	190	387	2263	64	1.21	4.79	31.30	1.85	1.93	3.78
	Acf	1	59	52	1343	2263	120	1.16	0.43	3.59	6.14	0.00	6.14
		2	17	426	387	2263	120	0.16	0.02	0.14	0.25	0.00	0.25
	Af	1	29	206	602	2050	120	0.36	0.06	0.64	0.87	0.00	0.87
		2	18	413	360	2050	120	0.19	0.02	0.20	0.27	0.00	0.27
		3	26	241	541	2050	120	0.31	0.05	0.50	0.67	0.00	0.67
	B	1	48	87	329	2050	38	15.09	3.67	22.30	19.60	7.06	26.66
		2	48	89	339	2150	38	14.96	3.76	22.25	19.98	7.23	27.21
		3	59	52	414	2100	38	31.76	7.47	43.11	51.87	14.27	66.14
		4	100	-10	450	2050	38	184.40	27.52	154.50	327.24	16.14	343.38
	Bc	1	39	130	402	2050	58	5.13	4.79	20.73	8.13	2.66	10.80
		2	52	73	529	2050	58	5.59	5.10	22.27	11.67	3.43	15.10
		3	74	22	759	2050	58	8.67	14.96	66.05	25.94	7.48	33.43
	Bcf	1	68	32	1544	2263	120	1.70	0.73	6.69	10.36	0.00	10.36
		2	18	407	402	2263	120	0.17	0.02	0.17	0.27	0.00	0.27
		3	23	285	529	2263	120	0.24	0.04	0.33	0.51	0.00	0.51
		4	34	168	759	2263	120	0.40	0.08	0.78	1.20	0.00	1.20
	Bf	1	37	143	668	1800	120	0.59	0.11	0.28	1.55	0.00	1.55
		2	96	-6	864	1800	120	106.79	46.30	116.55	363.94	31.40	395.34
	C	1	81	11	512	2100	34	36.21	9.98	47.37	73.08	7.45	80.53
		2	73	23	466	2200	34	22.94	8.72	41.00	42.19	6.54	48.73
		3	94	-4	578	2050	34	117.91	25.71	118.87	268.64	17.21	285.85
	Cf	1	26	246	512	1965	120	0.32	0.05	0.18	0.65	0.00	0.65
		2	100	-10	1044	1965	120	88.77	40.29	158.81	365.48	23.79	389.27
	D	1	82	10	504	2050	34	40.50	8.89	92.98	80.50	16.64	97.14
		2	100	-10	555	1850	34	112.56	20.57	215.10	246.41	26.27	272.67
		3	84	8	560	2250	34	30.45	9.71	100.41	67.27	16.63	83.89
		4	94	-4	636	2250	34	50.63	14.45	140.02	127.01	24.94	151.95
	Dc	1	74	22	878	2100	66	12.27	7.93	90.75	42.51	15.24	57.75
		2	73	23	860	2100	66	12.82	7.89	93.89	43.49	15.22	58.70
		3	70	28	677	2100	66	10.54	6.49	80.38	28.15	15.40	43.56
		4	100	-10	811	2100	66	79.99	20.71	267.68	256.00	27.46	283.46
	Dcf	1	45	101	917	2050	120	0.71	0.18	1.58	2.57	0.00	2.57
		2	10	820	205	2100	120	0.09	0.01	0.05	0.08	0.00	0.08
		3	57	59	878	2100	120	2.60	5.40	46.75	8.99	5.25	14.25
		4	57	57	860	2100	120	3.33	7.34	63.38	11.30	5.95	17.26
		5	33	175	677	2100	120	0.47	2.41	20.71	1.27	0.61	1.88
		6	100	-10	811	2100	120	86.08	25.00	214.12	275.49	32.43	307.92
	Df	1	107	-16	1118	1900	103	148.87	60.71	174.56	656.49	25.08	681.56
		2	63	44	1196	2250	103	3.85	11.82	33.97	18.17	4.27	22.44
	Dxp	1	57	59	989	2050	101	1.66	1.75	21.57	6.46	1.50	7.96
		2	12	646	210	2050	101	0.27	0.14	1.60	0.22	0.11	0.34
	Ec	1	63	42	816	2150	70	8.70	7.07	81.20	27.99	12.74	40.73
		2	91	-1	1232	2263	70	17.04	11.01	130.76	82.79	20.78	103.57
		3	98	-8	1335	2263	70	41.35	19.83	243.72	217.70	35.43	253.12
		4	47	91	635	2250	70	11.19	7.11	90.61	28.02	13.65	41.67
	Ecf	1	46	96	961	2100	120	0.79	4.87	60.94	3.01	0.62	3.64
		2	61	46	1280	2100	120	1.51	5.35	66.36	7.65	1.37	9.02
		3	71	28	1232	2263	120	5.87	7.09	86.89	28.51	12.96	41.46
		4	86	4	1335	2300	120	12.80	9.40	113.83	67.38	18.33	85.70
		5	38	135	673	2300	120	4.99	5.04	59.71	13.25	7.71	20.96
	Ef	1	108	-17	907	1900	120	173.69	54.15	244.12	621.39	27.04	648.42
		2	27	236	509	1900	120	0.35	0.05	0.22	0.70	0.00	0.70
	Exp	1	56	62	961	2050	100	1.86	5.04	56.44	7.06	2.54	9.60
07:30-		2	27	234	464	2050	100	1.13	2.37	25.58	2.06	1.21	3.27

08:30	F	1	98	-9	310	2100	16	108.73	11.96	80.76	132.95	18.97	151.92
		2	98	-9	310	2100	16	108.73	11.96	80.23	132.95	18.97	151.92
		3	103	-12	324	2100	16	245.63	24.95	164.48	313.92	30.42	344.35
	Fc	1	89	1	1449	2263	84	10.46	8.72	27.50	59.74	8.08	67.82
		2	92	-2	1366	2263	84	19.83	30.19	95.97	106.85	16.19	123.03
		3	73	24	1172	2263	84	6.67	22.05	70.51	30.83	12.45	43.28
	Ff	1	33	176	620	1900	120	0.46	0.08	0.17	1.12	0.00	1.12
		2	25	258	324	1900	120	3.00	1.49	3.12	3.83	0.83	4.66
	G	1	50	80	280	2050	32	39.25	4.91	18.10	43.35	5.06	48.41
		2	48	89	267	2050	32	43.86	5.06	19.05	46.19	9.37	55.56
	Gf	1	13	607	261	2050	120	0.13	2.33	34.47	0.14	0.04	0.18
		2	12	644	248	2050	120	0.13	2.33	34.85	0.12	0.04	0.16
	xA	1	75	20	1618	2263	120	2.92	6.05	15.15	18.62	4.99	23.61
		2	72	25	1573	2263	120	2.65	31.07	77.70	16.43	5.20	21.63
	xB	1	0	Unrestricted	1544	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	47	93	496	1900	120	6.83	7.20	35.80	13.36	8.40	21.77
		2	44	104	479	1900	120	6.25	7.17	35.53	11.82	8.24	20.06
	xD	1	0	Unrestricted	989	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	210	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	0	Unrestricted	961	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	464	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	0	Unrestricted	867	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	40	122	428	2050	60	6.18	2.67	15.99	10.44	3.88	14.32
	E1	1	58	54	299	2050	28	36.37	5.37	38.60	42.86	10.33	53.18
		2	98	-8	537	2200	28	124.14	22.32	160.41	263.19	32.98	296.18
	Gf1	1	6	1482	38	668	120	2.19	0.33	3.97	0.33	0.48	0.80
	Cc2	2	80	12	832	2150	58	18.85	15.04	95.42	61.83	11.67	73.50
		3	38	134	394	2050	58	4.00	1.65	10.64	6.21	1.11	7.32
		4	61	47	657	2150	58	18.81	9.76	61.84	48.74	10.25	58.99
		5	45	100	461	2050	58	15.76	6.48	42.14	28.66	7.82	36.47
		6	100	-10	450	2050	58	151.03	23.57	154.09	268.02	24.58	292.60
	E2	3	49	82	261	2150	28	22.67	3.65	39.38	23.34	7.02	30.36
		4	48	86	248	2050	28	22.48	3.46	36.66	21.99	6.66	28.66
	TC5	2	57	59	1078	2263	99	2.16	3.00	75.01	9.18	1.13	10.31
		3	83	9	1573	2263	99	4.83	4.83	120.52	29.98	1.80	31.78
		4	0	Unrestricted	0	1800	11	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	41	118	497	1925	72	12.43	7.87	49.32	24.36	2.95	27.31
		2	29	214	352	1966	72	10.87	5.04	31.49	15.09	1.90	16.99
		3	37	142	452	1947	72	11.86	6.82	42.32	21.15	2.57	23.72
	TC35	1	34	166	541	1900	99	2.57	2.98	71.02	5.47	1.20	6.67
	TC36	1	13	601	231	1800	120	0.15	0.01	0.22	0.13	0.00	0.13
	TC37	1	3	3487	41	1850	105	0.90	0.16	2.07	0.15	0.17	0.31
	TC38	1	19	363	41	211	120	13.09	2.44	65.78	2.12	0.98	3.09
	TC39	2	48	89	1078	2263	120	0.72	0.22	3.53	3.07	0.00	3.07
		3	70	29	1573	2263	120	1.81	0.79	13.63	11.20	0.00	11.20
	TC40	2	0	Unrestricted	1119	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		3	0	Unrestricted	1573	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	TC41	1	77	17	95	1850	7	98.25	4.15	43.65	36.82	4.23	41.05
		2	77	17	95	1850	7	98.25	4.15	43.30	36.82	4.23	41.05
	TC42	1	0	-100	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	TC43	1	0	Unrestricted	0	1800	120	0.00	0.00	0.00	0.00	0.00	0.00
	47	1	75	20	975	1300	120	4.11	1.11	4.80	15.83	0.00	15.83
	48	1	103	-13	1605	1965	120	85.11	60.92	635.43	538.82	37.91	576.73
	49	1	27	236	509	1900	120	0.35	0.05	1.07	0.70	0.00	0.70
		2	42	113	804	1900	120	0.69	0.16	3.40	2.20	0.00	2.20
	50	1	128	-30	1968	1900	120	406.20	244.93	2925.18	3153.20	66.58	3219.78
	51	1	50	81	944	1900	120	0.93	0.24	3.76	3.48	0.00	3.48
	52	1	56	62	867	1800	103	2.58	10.97	315.46	8.82	10.14	18.96

	53	1	99	-9	1544	1800	103	43.75	53.56	1231.89	266.41	52.84	319.24
	55	1	10	800	12	1800	7	54.40	0.38	2.39	2.57	0.14	2.72
	56	1	12	657	14	1800	7	54.82	0.45	1.29	3.03	0.17	3.19

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	430	430	0		2050	649	66		36	0.81	36
		2	172	172	-2	✓	2050	649	26		240	0.80	36
		3	360	360	0		2050	649	55		62	0.73	36
		4	541	541	-1		2050	649	83		8	0.80	36
	Ac	1	1114	1114	41	✓	2263	1245	89		1	0.94	64
		2	230	230	0		2263	1245	18		388	1.67	64
		3	387	387	14	✓	2263	1245	31		190	1.33	64
	Acf	1	1343	1343	42	✓	2263	2263	59		52	0.65	120
		2	387	387	14	✓	2263	2263	17		426	1.33	120
	Af	1	602	602	-2	✓	2050	2050	29		206	0.79	120
		2	360	360	0		2050	2050	18		413	0.73	120
		3	541	541	-1		2050	2050	26		241	0.80	120
	B	1	329	329	93	✓	2050	683	48		87	0.33	38
		2	339	339	96	✓	2150	711	48		89	0.33	38
		3	414	414	118	✓	2100	700	59		52	0.93	38
		4	450	450	128	✓	2050	450	100	✓	-10	0.93	38
	Bc	1	402	402	-1	✓	2050	1025	39		130	1.26	58
		2	529	529	6	✓	2050	1016	52		73	1.09	58
		3	759	759	6	✓	2050	1025	74		22	1.03	58
	Bcf	1	1544	1544	41	✓	2263	2263	68		32	0.46	120
		2	402	402	-1	✓	2263	2263	18		407	1.26	120
		3	529	529	6	✓	2263	2263	23		285	1.09	120
		4	759	759	6	✓	2263	2263	34		168	1.03	120
	Bf	1	668	668	189	✓	1800	1800	37		143	0.33	120
		2	864	864	246	✓	1800	904	96	✓	-6	0.33	120
	C	1	512	512	16	✓	2100	630	81		11	0.37	34
		2	466	466	15	✓	2200	638	73		23	0.86	34
		3	578	578	18	✓	2050	615	94	✓	-4	0.86	34
	Cf	1	512	512	16	✓	1965	1965	26		246	0.37	120
		2	1044	1044	33	✓	1965	1044	100	✓	-10	0.37	120
	D	1	504	504	35	✓	2050	615	82		10	0.80	34
		2	555	555	38	✓	1850	555	100	✓	-10	0.79	34
		3	560	560	0		2250	669	84		8	0.27	34
		4	636	636	0		2250	675	94	✓	-4	0.27	34
	Dc	1	878	878	104	✓	2100	1188	74		22	0.79	66
		2	860	860	31	✓	2100	1177	73		23	0.71	66
		3	677	677	109	✓	2100	966	70		28	0.76	66
		4	811	811	140	✓	2100	811	100	✓	-10	0.75	66
	Dcf	1	917	917	92	✓	2050	2050	45		101	0.98	120
		2	205	205	12	✓	2100	2100	10		820	1.48	120
		3	878	878	104	✓	2100	1548	57		59	0.87	120
		4	860	860	31	✓	2100	1502	57		57	0.91	120
		5	677	677	109	✓	2100	2066	33		175	0.77	120
		6	811	811	140	✓	2100	811	100	✓	-10	0.69	120
	Df	1	1118	1045	0		1900	1045	107	✓	-16	0.00	103
		2	1196	1196	0		2250	1912	63		44	0.00	103
	Dxp	1	989	989	19	✓	2050	1743	57		59	0.88	101
		2	210	210	7	✓	2050	1743	12		646	1.27	101
		1	816	816	33	✓	2150	1290	63		42	0.57	70

07:30-08:30	Ec	2	1232	1232	147	✓	2263	1358	91	✓	-1	0.67	70
		3	1335	1335	138	✓	2263	1358	98	✓	-8	0.64	70
		4	635	635	1	✓	2250	1350	47		91	1.07	70
	Ecf	1	961	961	110	✓	2100	2090	46		96	0.92	120
		2	1280	1280	60	✓	2100	2084	61		46	0.49	120
		3	1232	1232	147	✓	2263	1747	71		28	0.57	120
		4	1335	1335	138	✓	2300	1545	86		4	0.57	120
		5	673	673	1	✓	2300	1759	38		135	1.29	120
	Ef	1	907	836	0		1900	836	108	✓	-17	0.00	120
		2	509	509	0		1900	1900	27		236	0.00	120
	Exp	1	961	961	110	✓	2050	1725	56		62	0.91	100
		2	464	464	27	✓	2050	1725	27		234	0.66	100
	F	1	310	310	-1		2100	315	98	✓	-9	0.00	16
		2	310	310	-1	✓	2100	315	98	✓	-9	0.00	16
		3	324	315	-1	✓	2100	315	103	✓	-12	0.39	16
	Fc	1	1449	1449	165	✓	2263	1622	89		1	0.60	84
		2	1366	1366	141	✓	2263	1483	92	✓	-2	0.75	84
		3	1172	1172	47	✓	2263	1614	73		24	0.91	84
	Ff	1	620	620	-1	✓	1900	1900	33		176	0.00	120
		2	324	324	-1	✓	1900	1288	25		258	0.00	120
	G	1	280	280	0		2050	561	50		80	1.45	32
		2	267	267	0		2050	561	48		89	1.45	32
	Gf	1	261	261	0		2050	2049	13		607	1.50	120
		2	248	248	0		2050	2049	12		644	1.50	120
	xA	1	1618	1618	155	✓	2263	2156	75		20	0.42	120
		2	1573	1573	149	✓	2263	2185	72		25	0.57	120
	xB	1	1544	1544	41	✓	Unrestricted	Unrestricted	0		Unrestricted	0.26	120
	xC	1	496	496	4	✓	1900	1062	47		93	1.13	120
		2	479	479	5	✓	1900	1088	44		104	1.13	120
	xD	1	989	989	19	✓	Unrestricted	Unrestricted	0		Unrestricted	0.78	120
		2	210	210	7	✓	Unrestricted	Unrestricted	0		Unrestricted	1.03	120
	xE	1	961	961	110	✓	Unrestricted	Unrestricted	0		Unrestricted	0.75	120
		2	464	464	27	✓	Unrestricted	Unrestricted	0		Unrestricted	0.56	120
	xF	1	867	867	37	✓	Unrestricted	Unrestricted	0		Unrestricted	0.71	120
	Cc1	1	428	428	9	✓	2050	1059	40		122	1.12	60
	E1	1	299	299	25	✓	2050	513	58		54	0.95	28
		2	537	537	46	✓	2200	550	98	✓	-8	0.95	28
	Gf1	1	38	38	0		668	668	6		1482	1.07	120
	Cc2	2	832	832	89	✓	2150	1036	80		12	0.87	58
		3	394	394	16	✓	2050	1025	38		134	1.01	58
		4	657	657	103	✓	2150	1075	61		47	0.81	58
		5	461	461	102	✓	2050	1025	45		100	1.16	58
		6	450	450	128	✓	2050	450	100	✓	-10	1.39	58
	E2	3	261	261	0		2150	528	49		82	0.00	28
		4	248	248	0		2050	513	48		86	0.00	28
	TC5	2	1078	1078	108	✓	2263	1905	57		59	0.49	99
		3	1573	1573	149	✓	2263	1905	83		9	0.56	99
		4	0	0	0		1800	180	0		Unrestricted	0.00	11
	TC9	1	497	497	-1		1925	1203	41		118	0.00	72
		2	352	352	0		1966	1229	29		214	0.00	72
		3	452	452	-1		1947	1217	37		142	0.00	72
	TC35	1	541	541	47	✓	1900	1599	34		166	0.68	99
	TC36	1	231	231	-1	✓	1800	1800	13		601	0.00	120
	TC37	1	41	41	0		1850	1634	3		3487	0.00	105
	TC38	1	41	41	0		211	211	19		363	0.23	120
	TC39	2	1078	1078	108	✓	2263	2263	48		89	0.56	120
		3	1573	1573	149	✓	2263	2263	70		29	0.58	120

	TC40	2	1119	1119	108	✓	Unrestricted	Unrestricted	0		Unrestricted	0.44	120
		3	1573	1573	149	✓	Unrestricted	Unrestricted	0		Unrestricted	0.53	120
	TC41	1	95	95	-1	✓	1850	123	77		17	0.00	7
		2	95	95	-1		1850	123	77		17	0.00	7
	TC42	1	0	0	0		0	0	0		-100	0.00	0
	TC43	1	0	0	0		1800	1800	0		Unrestricted	0.00	120
	47	1	975	975	9	✓	1300	1300	75		20	0.46	120
	48	1	1605	1556	0		1965	1556	103	✓	-13	0.00	120
	49	1	509	509	-1		1900	1900	27		236	0.00	120
		2	804	804	-1		1900	1900	42		113	0.00	120
	50	1	1968	1532	-1		1900	1532	128	✓	-30	0.00	120
	51	1	944	944	-2	✓	1900	1900	50		81	0.00	120
	52	1	867	867	37	✓	1800	1560	56		62	0.82	103
	53	1	1544	1544	41	✓	1800	1560	99	✓	-9	0.40	103
	55	1	12	12	0		1800	120	10		800	0.00	7
	56	1	14	14	0		1800	118	12		657	0.00	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	17.43	2.08	29.56	62.60	269.17	8.64
		2	5.77	11.39	0.54	7.73	51.94	89.34	2.87
		3	5.90	12.40	1.24	17.61	43.71	157.36	5.05
		4	6.03	24.90	3.74	53.14	72.52	392.31	12.59
	Ac	1	7.19	20.03	6.20	87.99	52.80	588.09	18.88
		2	9.50	0.33	0.02	0.30	0.00	0.00	0.00
		3	6.60	1.21	0.13	1.85	15.54	60.14	1.93
	Acf	1	5.20	1.16	0.43	6.14	0.00	0.00	0.00
		2	7.22	0.16	0.02	0.25	0.00	0.00	0.00
	Af	1	6.60	0.36	0.06	0.87	0.00	0.00	0.00
		2	6.57	0.19	0.02	0.27	0.00	0.00	0.00
		3	6.58	0.31	0.05	0.67	0.00	0.00	0.00
	B	1	7.10	15.09	1.38	19.60	66.77	219.83	7.06
		2	7.29	14.96	1.41	19.98	66.55	225.33	7.23
		3	7.48	31.76	3.65	51.87	107.37	444.63	14.27
		4	12.29	184.40	23.05	327.24	286.10	1287.16	16.14
	Bc	1	9.97	5.13	0.57	8.13	20.65	82.94	2.66
		2	9.87	5.59	0.82	11.67	20.21	106.96	3.43
		3	9.77	8.67	1.83	25.94	30.72	233.10	7.48
	Bcf	1	4.17	1.70	0.73	10.36	0.00	0.00	0.00
		2	5.14	0.17	0.02	0.27	0.00	0.00	0.00
		3	5.75	0.24	0.04	0.51	0.00	0.00	0.00
		4	5.83	0.40	0.08	1.20	0.00	0.00	0.00
	Bf	1	27.34	0.59	0.11	1.55	0.00	0.00	0.00
		2	27.41	106.79	25.63	363.94	289.85	2504.27	31.40
	C	1	14.54	36.21	5.15	73.08	116.06	593.92	7.45
		2	14.68	22.94	2.97	42.19	111.87	521.51	6.54
		3	14.92	117.91	18.92	268.64	237.64	1372.64	17.21
	Cf	1	17.35	0.32	0.05	0.65	0.00	0.00	0.00
		2	17.50	88.77	25.74	365.48	181.74	1897.02	23.79
	D	1	4.13	40.50	5.67	80.50	102.87	518.32	16.64
		2	4.13	112.56	17.35	246.41	147.45	818.34	26.27
		3	4.17	30.45	4.74	67.27	92.50	518.00	16.63
		4	4.45	50.63	8.94	127.01	122.16	776.94	24.94
	Dc	1	3.77	12.27	2.99	42.51	54.08	474.86	15.24
		2	3.63	12.82	3.06	43.49	55.14	474.02	15.22
		3	3.48	10.54	1.98	28.15	70.88	479.80	15.40
		4	3.34	79.99	18.03	256.00	105.43	855.48	27.46

07:30-08:30	Dcf	1	4.95	0.71	0.18	2.57	0.00	0.00	0.00
		2	4.94	0.09	0.01	0.08	0.00	0.00	0.00
		3	4.98	2.60	0.63	8.99	18.64	163.67	5.25
		4	4.99	3.33	0.80	11.30	21.58	185.52	5.95
		5	5.02	0.47	0.09	1.27	2.81	18.99	0.61
		6	5.04	86.08	19.40	275.49	124.52	1010.32	32.43
	Df	1	24.00	148.87	46.23	656.49	191.40	1999.91	25.08
		2	24.00	3.85	1.28	18.17	28.47	340.45	4.27
	Dxp	1	3.50	1.66	0.46	6.46	4.73	46.76	1.50
		2	3.65	0.27	0.02	0.22	1.65	3.47	0.11
	Ec	1	3.76	8.70	1.97	27.99	48.66	397.02	12.74
		2	3.63	17.04	5.83	82.79	52.54	647.24	20.78
		3	3.51	41.35	15.33	217.70	82.70	1103.71	35.43
		4	3.38	11.19	1.97	28.02	67.00	425.35	13.65
	Ecf	1	3.45	0.79	0.21	3.01	2.02	19.39	0.62
		2	3.48	1.51	0.54	7.65	3.34	42.79	1.37
		3	3.52	5.87	2.01	28.51	32.76	403.62	12.96
		4	3.56	12.80	4.74	67.38	42.78	570.94	18.33
		5	3.64	4.99	0.93	13.25	35.68	240.08	7.71
	Ef	1	15.31	173.69	43.76	621.39	257.87	2156.28	27.04
		2	15.31	0.35	0.05	0.70	0.00	0.00	0.00
	Exp	1	3.85	1.86	0.50	7.06	8.24	79.18	2.54
		2	3.99	1.13	0.15	2.06	8.09	37.54	1.21
	F	1	6.39	108.73	9.36	132.95	190.67	591.07	18.97
		2	6.43	108.73	9.36	132.95	190.67	591.07	18.97
		3	6.54	245.63	22.11	313.92	300.91	947.86	30.42
	Fc	1	19.02	10.46	4.21	59.74	33.51	485.43	8.08
		2	18.64	19.83	7.52	106.85	69.71	952.12	16.19
		3	19.30	6.67	2.17	30.83	67.30	789.00	12.45
	Ff	1	33.02	0.46	0.08	1.12	0.00	0.00	0.00
		2	32.98	3.00	0.27	3.83	20.40	66.10	0.83
	G	1	16.06	39.25	3.05	43.35	105.85	296.38	5.06
		2	11.45	43.86	3.25	46.19	109.32	291.89	9.37
	Gf	1	2.92	0.13	0.01	0.14	0.50	1.30	0.04
		2	2.88	0.13	0.01	0.12	0.50	1.24	0.04
	xA	1	17.22	2.92	1.31	18.62	9.60	155.37	4.99
		2	17.24	2.65	1.16	16.43	10.31	162.12	5.20
	xB	1	4.06	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	8.67	6.83	0.94	13.36	52.75	261.79	8.40
		2	8.70	6.25	0.83	11.82	53.57	256.72	8.24
	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	13.03	0.00	0.00	0.00	0.00	0.00	0.00
		2	13.03	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	7.99	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	6.60	6.18	0.74	10.44	23.27	99.70	3.88
	E1	1	6.00	36.37	3.02	42.86	107.70	321.72	10.33
		2	6.00	124.14	18.53	263.19	191.18	1027.58	32.98
	Gf1	1	3.59	2.19	0.02	0.33	39.01	14.82	0.48
	Cc2	2	9.93	18.85	4.35	61.83	88.12	732.81	11.67
		3	10.34	4.00	0.44	6.21	20.29	79.84	1.11
		4	9.48	18.81	3.43	48.74	88.82	583.59	10.25
		5	8.54	15.76	2.02	28.66	84.28	388.36	7.82
		6	7.92	151.03	18.87	268.02	245.11	1102.71	24.58
	E2	3	4.00	22.67	1.64	23.34	83.79	218.70	7.02
		4	4.07	22.48	1.55	21.99	83.71	207.60	6.66
	TC5	2	2.76	2.16	0.65	9.18	8.36	90.10	1.13
		3	2.76	4.83	2.11	29.98	9.11	143.34	1.80

		4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	11.00	12.43	1.72	24.36	47.27	234.92	2.95
		2	11.05	10.87	1.06	15.09	42.99	151.31	1.90
		3	11.12	11.86	1.49	21.15	45.27	204.63	2.57
	TC35	1	2.90	2.57	0.39	5.47	17.72	95.80	1.20
	TC36	1	3.03	0.15	0.01	0.13	0.00	0.00	0.00
	TC37	1	3.19	0.90	0.01	0.15	11.69	4.79	0.17
	TC38	1	1.53	13.09	0.15	2.12	68.43	28.05	0.98
	TC39	2	2.54	0.72	0.22	3.07	0.00	0.00	0.00
		3	2.40	1.81	0.79	11.20	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	98.25	2.59	36.82	127.91	121.51	4.23
		2	3.97	98.25	2.59	36.82	127.91	121.51	4.23
	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	4.11	1.11	15.83	0.00	0.00	0.00
	48	1	6.61	85.11	37.95	538.82	194.37	3023.43	37.91
	49	1	3.15	0.35	0.05	0.70	0.00	0.00	0.00
		2	3.15	0.69	0.16	2.20	0.00	0.00	0.00
	50	1	5.78	406.20	222.06	3153.20	346.67	5310.32	66.58
	51	1	4.50	0.93	0.24	3.48	0.00	0.00	0.00
	52	1	1.50	2.58	0.62	8.82	36.47	316.05	10.14
	53	1	1.88	43.75	18.76	266.41	106.63	1646.06	52.84
	55	1	10.92	54.40	0.18	2.57	93.73	11.25	0.14
	56	1	24.00	54.82	0.21	3.03	94.78	13.27	0.17

Traffic Stream Results: Queues and blocking

Time Segment	Arm	Traffic Stream	Initial queue (PCU)	Mean max queue (PCU)	Max queue storage (PCU)	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))	Estimated blocking
	A	1	0.00	5.64	12.96	43.49	0.00	0.00	
		2	0.00	2.37	13.37	17.70	0.00	3.00	
		3	0.00	4.55	13.67	33.26	0.00	4.00	
		4	0.00	7.95	13.97	56.89	0.00	0.00	
	Ac	1	0.00	12.85	16.66	77.14	0.00	2.00	
		2	0.00	0.02	16.06	0.13	0.00	46.00	
		3	0.00	4.79	15.30	31.30	0.00	16.00	
	Acf	1	0.00	0.43	12.07	3.59	0.00	34.00	
		2	0.00	0.02	12.21	0.14	0.00	70.00	
	Af	1	0.00	0.06	9.56	0.64	0.00	36.00	
		2	0.00	0.02	9.52	0.20	0.00	39.00	
		3	0.00	0.05	9.54	0.50	0.00	36.00	
	B	1	0.00	3.67	16.46	22.30	0.00	0.00	
		2	0.00	3.76	16.90	22.25	0.00	0.33	
		3	0.00	7.47	17.34	43.11	0.00	16.00	
		4	0.00	27.52	17.81	154.50	0.00	13.66	
	Bc	1	0.00	4.79	23.12	20.73	0.00	9.00	
		2	0.00	5.10	22.88	22.27	0.00	10.54	
		3	0.00	14.96	22.65	66.05	0.00	7.00	
	Bcf	1	0.00	0.73	10.90	6.69	0.00	120.00	
		2	0.00	0.02	10.98	0.17	0.00	65.00	
		3	0.00	0.04	10.84	0.33	0.00	38.00	
		4	0.00	0.08	10.83	0.78	0.00	34.00	
	Bf	1	0.00	0.11	39.62	0.28	0.00	0.00	
		2	0.00	46.30	39.73	116.55	0.00	59.71	
	C	1	0.00	9.98	21.07	47.37	0.00	0.00	
		2	0.00	8.72	21.28	41.00	0.00	9.18	
		3	0.00	25.71	21.63	118.87	0.00	0.00	

07:30-08:30	Cf	1	0.00	0.05	25.15	0.18	0.00	12.00	
		2	0.00	40.29	25.37	158.81	0.00	56.26	
	D	1	0.00	8.89	9.57	92.98	0.00	0.00	
		2	0.00	20.57	9.57	215.10	0.00	0.00	
		3	0.00	9.71	9.67	100.41	0.00	0.32	
		4	0.00	14.45	10.32	140.02	0.00	0.00	
	Dc	1	0.00	7.93	8.74	90.75	0.00	3.09	
		2	0.00	7.89	8.41	93.89	0.00	1.75	
		3	0.00	6.49	8.07	80.38	0.00	15.82	
		4	0.00	20.71	7.74	267.68	0.00	21.63	
	Dcf	1	0.00	0.18	11.47	1.58	0.00	38.00	
		2	0.00	0.01	11.46	0.05	0.00	87.00	
		3	0.00	5.40	11.54	46.75	0.00	50.53	
		4	0.00	7.34	11.58	63.38	0.00	51.15	
		5	0.00	2.41	11.64	20.71	0.00	34.97	
		6	0.00	25.00	11.68	214.12	0.00	73.63	
	Df	1	0.00	60.71	34.78	174.56	0.00	38.01	
		2	0.00	11.82	34.78	33.97	0.00	2.03	
	Dxp	1	0.00	1.75	8.11	21.57	0.00	19.00	
		2	0.00	0.14	8.46	1.60	0.00	56.00	
	Ec	1	0.00	7.07	8.71	81.20	0.00	30.00	
		2	0.00	11.01	8.42	130.76	0.00	0.00	
		3	0.00	19.83	8.13	243.72	0.00	0.00	
		4	0.00	7.11	7.85	90.61	0.00	22.00	
	Ecf	1	0.00	4.87	7.99	60.94	0.00	19.55	
		2	0.00	5.35	8.06	66.36	0.00	17.91	
		3	0.00	7.09	8.16	86.89	0.00	38.37	
		4	0.00	9.40	8.26	113.83	0.00	47.41	
		5	0.00	5.04	8.44	59.71	0.00	62.25	
	Ef	1	0.00	54.15	22.18	244.12	0.00	67.19	
		2	0.00	0.05	22.18	0.22	0.00	0.00	
	Exp	1	0.00	5.04	8.93	56.44	0.00	15.00	
		2	0.00	2.37	9.26	25.58	0.00	13.00	
	F	1	0.00	11.96	14.81	80.76	0.00	0.00	
		2	0.00	11.96	14.91	80.23	0.00	0.00	
		3	0.00	24.95	15.17	164.48	0.00	0.00	
	Fc	1	0.00	8.72	31.71	27.50	0.00	9.00	
		2	0.00	30.19	31.45	95.97	0.00	13.34	
		3	0.00	22.05	31.28	70.51	0.00	18.44	
	Ff	1	0.00	0.08	47.85	0.17	0.00	0.00	
		2	0.00	1.49	47.80	3.12	0.00	38.68	
	G	1	0.00	4.91	27.16	18.10	0.00	17.17	
		2	0.00	5.06	26.54	19.05	0.00	17.17	
	Gf	1	0.00	2.33	6.76	34.47	0.00	90.03	
		2	0.00	2.33	6.69	34.85	0.00	90.03	
	xA	1	0.00	6.05	39.93	15.15	0.00	25.68	
		2	0.00	31.07	39.98	77.70	0.00	22.15	
	xB	1	0.00	0.00	9.42	0.00	0.00	11.00	
	xC	1	0.00	7.20	20.10	35.80	0.00	66.91	
		2	0.00	7.17	20.17	35.53	0.00	65.32	
	xD	1	0.00	0.00	21.17	0.00	0.00	15.00	
		2	0.00	0.00	21.35	0.00	0.00	62.00	
	xE	1	0.00	0.00	30.22	0.00	0.00	13.00	
		2	0.00	0.00	30.21	0.00	0.00	15.00	
	xF	1	0.00	0.00	18.53	0.00	0.00	17.00	
	Cc1	1	0.00	2.67	16.67	15.99	0.00	9.00	
	E1	1	0.00	5.37	13.91	38.60	0.00	12.00	
		2	0.00	22.32	13.91	160.41	0.00	0.00	

	Gf1	1	0.00	0.33	8.32	3.97	0.00	86.00	
	Cc2	2	0.00	15.04	15.76	95.42	0.00	10.19	
		3	0.00	1.65	15.53	10.64	0.00	13.00	
		4	0.00	9.76	15.78	61.84	0.00	7.00	
		5	0.00	6.48	15.37	42.14	0.00	10.00	
		6	0.00	23.57	15.30	154.09	0.00	33.66	
	E2	3	0.00	3.65	9.27	39.38	0.00	0.56	
		4	0.00	3.46	9.45	36.66	0.00	0.00	
	TC5	2	0.00	3.00	4.01	75.01	0.00	13.00	
		3	0.00	4.83	4.00	120.52	0.00	10.00	
		4	0.00	0.00	4.25	0.00	0.00	12.00	
	TC9	1	0.00	7.87	15.95	49.32	0.00	0.00	
		2	0.00	5.04	16.02	31.49	0.00	0.00	
		3	0.00	6.82	16.12	42.32	0.00	0.00	
	TC35	1	0.00	2.98	4.20	71.02	0.00	12.00	
	TC36	1	0.00	0.01	4.39	0.22	0.00	0.00	
	TC37	1	0.00	0.16	7.71	2.07	0.00	105.00	
	TC38	1	0.00	2.44	3.71	65.78	0.00	36.00	
	TC39	2	0.00	0.22	6.13	3.53	0.00	32.00	
		3	0.00	0.79	5.79	13.63	0.00	29.00	
	TC40	2	0.00	0.00	10.22	0.00	0.00	12.00	
		3	0.00	0.00	9.71	0.00	0.00	15.00	
	TC41	1	0.00	4.15	9.50	43.65	0.00	0.00	
		2	0.00	4.15	9.58	43.30	0.00	0.00	
	TC42	1	0.00	0.00	4.06	0.00	0.00	0.00	
	TC43	1	0.00	0.00	9.04	0.00	0.00	120.00	
	47	1	0.00	1.11	23.24	4.80	0.00	14.00	
	48	1	0.00	60.92	9.59	635.43	0.00	25.01	
	49	1	0.00	0.05	4.56	1.07	0.00	0.00	
		2	0.00	0.16	4.56	3.40	0.00	0.00	
	50	1	0.00	244.93	8.37	2925.18	0.00	23.25	
	51	1	0.00	0.24	6.52	3.76	0.00	0.00	
	52	1	0.00	10.97	3.48	315.46	0.00	18.00	
	53	1	0.00	53.56	4.35	1231.89	0.00	0.00	
	55	1	0.00	0.38	15.83	2.39	0.00	7.00	
	56	1	0.00	0.45	34.78	1.29	0.00	6.15	

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	2	0.00	0.00	✓	2.37	0.05	1.83	1.00	0.00	10.60
		3	0.00	0.00	✓	4.55	0.34	4.45	1.00	0.00	22.66
		4	0.00	0.00	✓	8.00	2.03	7.68	1.00	0.00	65.73
	Ac	1	0.00	0.00	✓	12.97	3.68	9.57	1.00	0.00	106.87
		2	0.00	0.00	✓	0.02	0.02	0.02	1.00	0.00	0.30
		3	0.00	0.00	✓	4.79	0.07	0.65	1.00	0.00	3.78
	Acf	1	0.00	0.00	✓	0.43			1.00	0.00	6.14
		2	0.00	0.00	✓	0.02			1.00	0.00	0.25
	Af	1	0.00	0.00	✓	0.06			1.00	0.00	0.87
		2	0.00	0.00	✓	0.02			1.00	0.00	0.27
		3	0.00	0.00	✓	0.05			1.00	0.00	0.67
	B	1	0.00	0.00	✓	3.67	0.22	3.55	1.00	0.00	26.66
		2	0.00	0.00	✓	3.76	0.22	3.64	1.00	0.00	27.21
		3	0.00	0.00	✓	7.48	0.43	7.33	1.00	0.00	66.14
		4	0.00	0.00	✓	31.91	21.33	31.91	1.00	0.00	343.38
		1	0.00	0.00	✓	4.79	0.13	1.07	1.00	0.00	10.80

07:30-08:30	Bc	2	0.00	0.00	✓	5.10	0.28	1.51	1.00	0.00	15.10
		3	0.00	0.00	✓	14.97	1.05	2.50	1.00	0.00	33.43
	Bcf	1	0.00	0.00	✓	0.73			1.00	0.00	10.36
		2	0.00	0.00	✓	0.02			1.00	0.00	0.27
		3	0.00	0.00	✓	0.04			1.00	0.00	0.51
		4	0.00	0.00	✓	0.08			1.00	0.00	1.20
	Bf	1	0.00	0.00	✓	0.11			1.00	0.00	1.55
		2	0.00	0.00	✓	47.35			1.00	0.00	395.34
	C	1	0.00	0.00		10.01	1.72	9.91	1.00	0.00	80.53
		2	0.00	0.00	✓	8.73	0.98	8.04	1.00	0.00	48.73
		3	0.00	0.00	✓	26.40	11.59	26.39	1.00	0.00	285.85
	Cf	1	0.00	0.00		0.05			1.00	0.00	0.65
		2	0.00	0.00		46.97			1.00	0.00	389.27
	D	1	0.00	0.00	✓	8.93	1.81	8.93	1.00	0.00	97.14
		2	0.00	0.00	✓	25.45	17.06	25.45	1.00	0.00	272.67
		3	0.00	0.00	✓	9.76	2.09	9.03	1.00	0.00	83.89
		4	0.00	0.00	✓	15.18	6.46	14.40	1.00	0.00	151.95
	Dc	1	0.00	0.00		7.94	1.04	7.87	1.00	0.00	57.75
		2	0.00	0.00	✓	7.90	0.98	7.84	1.00	0.00	58.70
		3	0.00	0.00	✓	6.49	0.82	4.41	1.00	0.00	43.56
		4	0.00	0.00	✓	26.61	19.75	26.60	1.00	0.00	283.46
	Dcf	1	0.00	0.00	✓	0.18			1.00	0.00	2.57
		2	0.00	0.00	✓	0.01			1.00	0.00	0.08
		3	0.00	0.00		5.40			1.00	0.00	14.25
		4	0.00	0.00	✓	7.34			1.00	0.00	17.26
		5	0.00	0.00	✓	2.41			1.00	0.00	1.88
		6	0.00	0.00	✓	30.89			1.00	0.00	307.92
	Df	1	0.00	0.00	✓	97.76	79.77	84.41	1.00	0.00	681.56
		2	0.00	0.00	✓	11.82	0.52	5.84	1.00	0.00	22.44
	Dxp	1	0.00	0.00	✓	1.75	0.37	1.62	1.00	0.00	7.96
		2	0.00	0.00	✓	0.14	0.01	0.14	1.00	0.00	0.34
	Ec	1	0.00	0.00	✓	7.08	0.54	6.87	1.00	0.00	40.73
		2	0.00	0.00	✓	11.17	4.27	11.08	1.00	0.00	103.57
		3	0.00	0.00	✓	23.17	16.22	23.16	1.00	0.00	253.12
		4	0.00	0.00	✓	7.11	0.21	7.03	1.00	0.00	41.67
	Ecf	1	0.00	0.00		4.87			1.00	0.00	3.64
		2	0.00	0.00	✓	5.35			1.00	0.00	9.02
		3	0.00	0.00	✓	7.09			1.00	0.00	41.46
		4	0.00	0.00	✓	9.45			1.00	0.00	85.70
		5	0.00	0.00	✓	5.04			1.00	0.00	20.96
	Ef	1	0.00	0.00	✓	89.92			1.00	0.00	648.42
		2	0.00	0.00	✓	0.05			1.00	0.00	0.70
	Exp	1	0.00	0.00		5.04	0.35	1.62	1.00	0.00	9.60
		2	0.00	0.00	✓	2.37	0.05	1.25	1.00	0.00	3.27
	F	1	0.00	0.00	✓	14.51	9.72	14.23	1.00	0.00	151.92
		2	0.00	0.00	✓	14.51	9.72	14.23	1.00	0.00	151.92
		3	0.00	0.00		31.42	24.63	31.38	1.00	0.00	344.35
	Fc	1	0.00	0.00	✓	8.81	3.64	8.49	1.00	0.00	67.82
		2	0.00	0.00	✓	30.41	5.25	10.73	1.00	0.00	123.03
		3	0.00	0.00	✓	22.06	0.96	5.98	1.00	0.00	43.28
	Ff	1	0.00	0.00	✓	0.08			1.00	0.00	1.12
		2	0.00	0.00		1.49			1.00	0.00	4.66
	G	1	0.00	0.00	✓	4.91	0.25	4.91	1.00	0.00	48.41
		2	0.00	0.00	✓	5.06	0.22	4.67	1.00	0.00	55.56
	Gf	1	0.00	0.00	✓	2.33			1.00	0.00	0.18
		2	0.00	0.00	✓	2.33			1.00	0.00	0.16
	xA	1	0.00	0.00	✓	6.05			1.00	0.00	23.61
		2	0.00	0.00	✓	31.07			1.00	0.00	21.63

	xB	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	xC	1	0.00	0.00	✓	7.20			1.00	0.00	21.77
		2	0.00	0.00	✓	7.17			1.00	0.00	20.06
	xD	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
		2	0.00	0.00	✓	0.00			1.00	0.00	0.00
	xE	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
		2	0.00	0.00	✓	0.00			1.00	0.00	0.00
	xF	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	Cc1	1	0.00	0.00	✓	2.67	0.14	1.66	1.00	0.00	14.32
	E1	1	0.00	0.00	✓	5.37	0.41	5.37	1.00	0.00	53.18
		2	0.00	0.00	✓	24.73	13.75	24.72	1.00	0.00	296.18
	Gf1	1	0.00	0.00	✓	0.33			1.00	0.00	0.80
	Cc2	2	0.00	0.00	✓	15.05	1.62	8.02	1.00	0.00	73.50
		3	0.00	0.00	✓	1.65	0.12	1.33	1.00	0.00	7.32
		4	0.00	0.00	✓	9.76	0.48	8.01	1.00	0.00	58.99
		5	0.00	0.00	✓	6.48	0.18	6.16	1.00	0.00	36.47
		6	0.00	0.00	✓	27.96	20.06	27.93	1.00	0.00	292.60
	E2	3	0.00	0.00	✓	3.65	0.24	3.58	1.00	0.00	30.36
		4	0.00	0.00	✓	3.46	0.23	3.39	1.00	0.00	28.66
	TC5	2	0.00	0.00	✓	3.00	0.37	3.00	1.00	0.00	10.31
		3	0.00	0.00	✓	4.84	1.94	4.75	1.00	0.00	31.78
		4	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC9	1	0.00	0.00	✓	7.87	0.15	6.91	1.00	0.00	27.31
		2	0.00	0.00	✓	5.04	0.06	4.75	1.00	0.00	16.99
		3	0.00	0.00	✓	6.82	0.11	6.26	1.00	0.00	23.72
	TC35	1	0.00	0.00	✓	2.98	0.09	2.98	1.00	0.00	6.67
	TC36	1	0.00	0.00	✓	0.01			1.00	0.00	0.13
	TC37	1	0.00	0.00	✓	0.16	0.00	0.16	1.00	0.00	0.31
	TC38	1	0.00	0.00	✓	2.44			1.00	0.00	3.09
	TC39	2	0.00	0.00	✓	0.22			1.00	0.00	3.07
		3	0.00	0.00	✓	0.79			1.00	0.00	11.20
	TC40	2	0.00	0.00	✓	0.00			1.00	0.00	0.00
		3	0.00	0.00	✓	0.00			1.00	0.00	0.00
	TC41	1	0.00	0.00	✓	4.22	1.21	4.19	1.00	0.00	41.05
		2	0.00	0.00	✓	4.22	1.21	4.19	1.00	0.00	41.05
	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	✓	1.12			1.00	0.00	15.83
	48	1	0.00	0.00	✓	87.35			1.00	0.00	576.73
	49	1	0.00	0.00	✓	0.05			1.00	0.00	0.70
		2	0.00	0.00	✓	0.16			1.00	0.00	2.20
	50	1	0.00	0.00	✓	463.04			1.00	0.00	3219.78
	51	1	0.00	0.00	✓	0.25			1.00	0.00	3.48
	52	1	0.00	0.00	✓	10.97	0.35	1.19	1.00	0.00	18.96
	53	1	0.00	0.00	✓	58.39	21.40	28.59	1.00	0.00	319.24
	55	1	0.00	0.00	✓	0.38	0.01	0.38	1.00	0.00	2.72
	56	1	0.00	0.00	✓	0.45	0.01	0.44	1.00	0.00	3.19

Pedestrian Crossing Results

Pedestrian Crossings: Pedestrian summary

Time Segment	Crossing	Side	Degree of saturation (%)	Calculated Flow Entering (Ped/hr)	Calculated sat flow (Ped/hr)	Actual green (s (per cycle))	Mean Delay Per Ped (s)	Mean max queue (Ped)	Weighted cost of delay (£ per hr)	Performance Index (£ per hr)
07:30-08:30	1	1	0	0	11000	7	0.00	0.00	0.00	0.00
		2	0	0	11000	7	0.00	0.00	0.00	0.00
	2	1	0	0	11000	58	0.00	0.00	0.00	0.00
		2	0	0	11000	58	0.00	0.00	0.00	0.00
	3	1	0	0	11000	8	0.00	0.00	0.00	0.00
		2	0	0	11000	8	0.00	0.00	0.00	0.00
	4	1	0	0	11000	68	0.00	0.00	0.00	0.00
		2	0	0	11000	68	0.00	0.00	0.00	0.00
	5	1	0	0	11000	68	0.00	0.00	0.00	0.00
		2	0	0	11000	68	0.00	0.00	0.00	0.00
	6	1	0	0	0	0	0.00	0.00	0.00	0.00
		2	0	0	0	0	0.00	0.00	0.00	0.00
	7	1	0	0	11000	72	0.00	0.00	0.00	0.00
		2	0	0	11000	72	0.00	0.00	0.00	0.00
	8	1	0	0	0	0	0.00	0.00	0.00	0.00
		2	0	0	0	0	0.00	0.00	0.00	0.00
	9	1	0	0	11000	24	0.00	0.00	0.00	0.00
		2	0	0	11000	24	0.00	0.00	0.00	0.00
	10	1	0	0	11000	36	0.00	0.00	0.00	0.00
		2	0	0	11000	36	0.00	0.00	0.00	0.00
	11	1	0	0	11000	60	0.00	0.00	0.00	0.00
		2	0	0	11000	60	0.00	0.00	0.00	0.00
	12	1	0	0	11000	58	0.00	0.00	0.00	0.00
		2	0	0	11000	58	0.00	0.00	0.00	0.00
	13	1	0	0	11000	10	0.00	0.00	0.00	0.00
		2	0	0	11000	10	0.00	0.00	0.00	0.00
	14	1	0	0	11000	100	0.00	0.00	0.00	0.00
		2	0	0	11000	100	0.00	0.00	0.00	0.00
	15	1	0	0	11000	11	0.00	0.00	0.00	0.00
		2	0	0	11000	11	0.00	0.00	0.00	0.00
	16	1	0	0	11000	8	0.00	0.00	0.00	0.00
		2	0	0	11000	8	0.00	0.00	0.00	0.00
	17	1	0	0	11000	5	0.00	0.00	0.00	0.00
		2	0	0	11000	5	0.00	0.00	0.00	0.00
	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	7	0.00	0.00	0.00	0.00
		2	0	0	11000	7	0.00	0.00	0.00	0.00

Pedestrian Crossings: Flows and signals

Time Segment	Crossing	Side	Calculated flow entering (Ped/hr)	Calculated flow out (Ped/hr)	Flow discrepancy (Ped/hr)	Adjusted flow warning	Calculated sat flow (Ped/hr)	Calculated capacity (Ped/hr)	Degree of saturation (%)	DOS Threshold exceeded	Practical reserve capacity	Mean modulus of error	Actual green (s (per cycle))
07:30-08:30	1	1	0	0	0		11000	917	0		Unrestricted	0.00	7
		2	0	0	0		11000	917	0		Unrestricted	0.00	7
	2	1	0	0	0		11000	5867	0		Unrestricted	0.00	58
		2	0	0	0		11000	5867	0		Unrestricted	0.00	58
	3	1	0	0	0		11000	1008	0		Unrestricted	0.00	8
		2	0	0	0		11000	1008	0		Unrestricted	0.00	8
	4	1	0	0	0		11000	6783	0		Unrestricted	0.00	68
		2	0	0	0		11000	6783	0		Unrestricted	0.00	68
	5	1	0	0	0		11000	6783	0		Unrestricted	0.00	68
		2	0	0	0		11000	6783	0		Unrestricted	0.00	68
	6	1	0	0	0		0	0	0		-100	0.00	0
		2	0	0	0		0	0	0		-100	0.00	0
	7	1	0	0	0		11000	7150	0		Unrestricted	0.00	72
		2	0	0	0		11000	7150	0		Unrestricted	0.00	72
	8	1	0	0	0		0	0	0		-100	0.00	0
		2	0	0	0		0	0	0		-100	0.00	0
	9	1	0	0	0		11000	2750	0		Unrestricted	0.00	24
		2	0	0	0		11000	2750	0		Unrestricted	0.00	24
	10	1	0	0	0		11000	3850	0		Unrestricted	0.00	36
		2	0	0	0		11000	3850	0		Unrestricted	0.00	36
	11	1	0	0	0		11000	6050	0		Unrestricted	0.00	60
		2	0	0	0		11000	6050	0		Unrestricted	0.00	60
	12	1	0	0	0		11000	5867	0		Unrestricted	0.00	58
		2	0	0	0		11000	5867	0		Unrestricted	0.00	58
	13	1	0	0	0		11000	1192	0		Unrestricted	0.00	10
		2	0	0	0		11000	1192	0		Unrestricted	0.00	10
	14	1	0	0	0		11000	9442	0		Unrestricted	0.00	100
		2	0	0	0		11000	9442	0		Unrestricted	0.00	100
	15	1	0	0	0		11000	1283	0		Unrestricted	0.00	11
		2	0	0	0		11000	1283	0		Unrestricted	0.00	11
	16	1	0	0	0		11000	1008	0		Unrestricted	0.00	8
		2	0	0	0		11000	1008	0		Unrestricted	0.00	8
	17	1	0	0	0		11000	733	0		Unrestricted	0.00	5
		2	0	0	0		11000	733	0		Unrestricted	0.00	5
	18	1	0	0	0		11000	917	0		Unrestricted	0.00	7
		2	0	0	0		11000	917	0		Unrestricted	0.00	7
	19	1	0	0	0		11000	917	0		Unrestricted	0.00	7
		2	0	0	0		11000	917	0		Unrestricted	0.00	7

Pedestrian Crossings: Stops and delays

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

Pedestrian Crossings: Queues and blocking

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

Pedestrian Crossings: Advanced

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

Network Results

Run Summary

Analysis set used	Run start time	Run finish time	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Ite wit wor over PR
1	19/07/2021 23:43:31	19/07/2021 23:43:44	07:30	120	11711.95	751.90	128.48	50/1	21	13	TC42/1	50/1	TC4

Network Results: Vehicle summary

Time Segment	Degree of saturation (%)	Practical reserve capacity (%)	Calculated flow entering (PCU/hr)	Actual green (s (per cycle))	Mean Delay per Veh (s)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Performance Index (£ per hr)
07:30-08:30	128	-100	83566	10221	32.39	10677.00	1034.95	11711.95

Network Results: Pedestrian summary

Time Segment	Degree of saturation (%)	Calculated Flow Entering (Ped/hr)	Actual green (s (per cycle))	Mean Delay Per Ped (s)	Weighted cost of delay (£ per hr)	Performance Index (£ per hr)
07:30-08:30	0	0	1214	0.00	0.00	0.00

Network Results: Flows and signals

Time Segment	Calculated flow entering (PCU/hr)	Calculated flow out (PCU/hr)	Flow discrepancy (PCU/hr)	Adjusted flow warning	Degree of saturation (%)	DOS Threshold exceeded	Practical reserve capacity (%)	Actual green (s (per cycle))
07:30-08:30	83566	82927	5342	✓	128	✓	-100	11435

Network Results: Stops and delays

Time Segment	Mean Cruise Time per Veh (s)	Mean Delay per Veh (s)	Total delay (PCU-hr/hr)	Weighted cost of delay (£ per hr)	Mean stops per Veh (%)	Total stops (Stops per hr)	Weighted cost of stops (£ per hr)
07:30-08:30	8.38	32.39	751.90	10677.00	59.78	47996.94	1034.95

Network Results: Queues and blocking

Time Segment	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))
07:30-08:30	2925.18	0.00	2840.03

Network Results: Advanced

Time Segment	Degree of saturation penalty (£ per hr)	Ped gap accepting penalty (£ per hr)	Warmed up	PCU Factor	Cost of traffic penalties (£ per hr)	Controller stream penalties (£ per hr)	Performance Index (£ per hr)
07:30-08:30	0.00	0.00		1.00	0.00	0.00	11711.95

Point to Point Journey Time

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	0.0	520.3	515.3	650.9	550.0	705.4	1045.4	0.0
	B28	624.3	0.0	183.0	292.7	237.6	435.6	570.0	0.0
	C28	226.6	187.6	0.0	253.1	243.0	376.0	289.4	0.0
	D28	238.2	236.9	391.4	0.0	411.5	183.7	192.6	0.0
	E28	424.4	139.4	434.8	246.8	0.0	292.9	302.0	0.0
	F28	196.1	195.2	202.9	220.7	224.4	0.0	26.1	0.0
	G28	114.7	109.2	111.5	139.0	136.6	201.4	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Calculated Total Flow (PCU/hr)	Avg journey time (s)
32	C28	E28	87	244.15	87	244.15

36	C28	E28	87	244.01	87	244.01
68	E28	G28	183	300.89	183	300.89
81	G28	B28	70	108.23	70	108.23
82	G28	B28	70	107.82	70	107.82
83	G28	B28	4	149.93	4	149.93
84	G28	B28	0	0.00	0	0.00
85	D28	B28	113	237.04	113	237.04
86	D28	B28	113	236.68	113	236.68
87	D28	B28	0	0.00	0	0.00
88	D28	B28	0	0.00	0	0.00
89	H28	B28	0	0.00	0	0.00
90	H28	B28	0	0.00	0	0.00
91	C28	F28	61	375.99	61	375.99
92	E28	F28	52	292.95	52	292.95
100	E28	B28	248	139.08	248	139.08
102	A28	C28	371	515.64	371	515.64
104	C28	G28	370	383.99	370	383.99
107	A28	B28	26	519.94	26	519.94
109	C28	G28	557	200.26	557	200.26
110	E28	G28	22	311.28	22	311.28
111	G28	G28	0	0.00	0	0.00
112	F28	G28	41	26.12	41	26.12
113	G28	G28	0	0.00	0	0.00
114	C28	H28	0	0.00	0	0.00
115	B28	C28	9	181.18	9	181.18
116	G28	G28	0	0.00	0	0.00
117	G28	F28	2	230.41	2	230.41
118	G28	G28	0	0.00	0	0.00
124	H28	F28	0	0.00	0	0.00
125	H28	H28	0	0.00	0	0.00
128	F28	F28	0	0.00	0	0.00
129	F28	H28	0	0.00	0	0.00
130	G28	G28	0	0.00	0	0.00
131	G28	G28	0	0.00	0	0.00
132	H28	H28	0	0.00	0	0.00
133	F28	H28	0	0.00	0	0.00
136	A28	G28	291	713.37	291	713.37
137	H28	G28	0	0.00	0	0.00
138	H28	G28	0	0.00	0	0.00
139	A28	H28	0	0.00	0	0.00
140	E28	C28	4	365.91	4	365.91
141	E28	C28	0	0.00	0	0.00
142	C28	H28	0	0.00	0	0.00
143	E28	H28	0	0.00	0	0.00
144	D28	C28	0	0.00	0	0.00
145	H28	C28	0	0.00	0	0.00
146	F28	C28	5	197.90	5	197.90
147	G28	C28	0	0.00	0	0.00
148	G28	E28	112	138.39	112	138.39
149	G28	C28	0	0.00	0	0.00
150	E28	B28	261	139.73	261	139.73
151	C28	C28	0	0.00	0	0.00
152	C28	C28	0	0.00	0	0.00
153	E28	C28	39	437.60	39	437.60
154	E28	E28	0	0.00	0	0.00
155	D28	C28	137	390.27	137	390.27
156	D28	E28	25	413.31	25	413.31
157	H28	C28	0	0.00	0	0.00

158	H28	E28	0	0.00	0	0.00
159	F28	C28	8	208.14	8	208.14
160	F28	E28	5	227.82	5	227.82
166	B28	C28	88	183.13	88	183.13
171	G28	H28	0	0.00	0	0.00
172	F28	A28	73	196.10	73	196.10
175	G28	A28	0	0.00	0	0.00
179	C28	A28	0	0.00	0	0.00
185	A28	B28	26	520.60	26	520.60
186	A28	C28	25	510.70	25	510.70
195	D28	G28	158	191.56	158	191.56
196	D28	F28	152	183.72	152	183.72
199	C28	E28	2	147.79	2	147.79
200	C28	D28	0	0.00	0	0.00
201	C28	E28	0	0.00	0	0.00
204	A28	G28	578	1212.56	578	1212.56
205	A28	H28	0	0.00	0	0.00
207	A28	A28	0	0.00	0	0.00
234	C28	G28	150	387.87	150	387.87
235	E28	G28	0	0.00	0	0.00
236	E28	H28	0	0.00	0	0.00
294	C28	B28	19	188.15	19	188.15
295	C28	B28	19	187.11	19	187.11
296	D28	G28	81	194.64	81	194.64
297	D28	H28	0	0.00	0	0.00
304	C28	D28	363	253.13	363	253.13
314	E28	D28	55	246.84	55	246.84
315	G28	A28	357	114.72	357	114.72
320	C28	A28	3	264.92	3	264.92
321	C28	A28	598	226.42	598	226.42
323	E28	A28	8	351.81	8	351.81
324	E28	A28	505	425.57	505	425.57
325	D28	A28	3	238.19	3	238.19
326	H28	A28	0	0.00	0	0.00
395	C28	B28	0	0.00	0	0.00
396	C28	B28	0	0.00	0	0.00
397	C28	G28	0	0.00	0	0.00
398	C28	H28	0	0.00	0	0.00
399	C28	A28	0	0.00	0	0.00
401	C28	G28	12	278.95	12	278.95
402	C28	F28	0	0.00	0	0.00
403	C28	G28	0	0.00	0	0.00
404	C28	H28	0	0.00	0	0.00
411	A28	A28	0	0.00	0	0.00
412	B28	G28	335	634.85	335	634.85
413	B28	H28	0	0.00	0	0.00
414	B28	A28	0	0.00	0	0.00
415	B28	A28	38	624.35	38	624.35
416	B28	B28	0	0.00	0	0.00
417	B28	B28	0	0.00	0	0.00
426	B28	G28	172	443.58	172	443.58
427	B28	F28	51	435.58	51	435.58
428	B28	G28	0	0.00	0	0.00
429	B28	H28	0	0.00	0	0.00
439	B28	D28	287	292.71	287	292.71
440	B28	E28	194	290.64	194	290.64
461	B28	E28	431	213.70	431	213.70
468	A28	F28	170	705.36	170	705.36

469	A28	G28	0	0.00	0	0.00
470	F28	B28	9	195.55	9	195.55
471	F28	B28	9	194.84	9	194.84
478	G28	F28	100	200.85	100	200.85
495	G28	C28	0	0.00	0	0.00
496	G28	C28	6	152.30	6	152.30
497	C28	C28	0	0.00	0	0.00
498	C28	C28	0	0.00	0	0.00
499	C28	C28	0	0.00	0	0.00
500	C28	C28	0	0.00	0	0.00
501	C28	C28	0	0.00	0	0.00
502	C28	C28	0	0.00	0	0.00
503	E28	C28	0	0.00	0	0.00
504	D28	C28	0	0.00	0	0.00
508	A28	E28	410	533.02	410	533.02
514	G28	D28	128	139.01	128	139.01
515	G28	E28	112	134.73	112	134.73
516	G28	D28	0	0.00	0	0.00
517	G28	E28	0	0.00	0	0.00
518	A28	D28	2	650.93	2	650.93
519	A28	E28	69	651.16	69	651.16
520	E28	E28	0	0.00	0	0.00
521	D28	D28	0	0.00	0	0.00
522	D28	E28	25	409.76	25	409.76
523	H28	D28	0	0.00	0	0.00
524	H28	E28	0	0.00	0	0.00
525	F28	D28	69	220.69	69	220.69
526	F28	E28	5	221.02	5	221.02
527	G28	E28	0	0.00	0	0.00
528	G28	C28	352	110.82	352	110.82
529	G28	C28	0	0.00	0	0.00
530	C28	C28	0	0.00	0	0.00
531	C28	C28	0	0.00	0	0.00
532	E28	C28	39	439.04	39	439.04
533	D28	C28	137	392.47	137	392.47
534	H28	C28	0	0.00	0	0.00
535	F28	C28	8	200.47	8	200.47

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	430	2050	36	0.00	66	36	23.01	17.43	62.60	5.64
	2	(untitled)	6	771-2	E	172	2050	36	3.00	26	240	17.16	11.39	51.94	2.37
	3	(untitled)	6	771-2	E	360	2050	36	4.00	55	62	18.30	12.40	43.71	4.55
	4	(untitled)	6	771-2	E	541	2050	36	0.00	83	8	30.93	24.90	72.52	7.95
Ac	1	(untitled)	6	771-2	D	1114	2263	64	2.00	89	1	27.21	20.03	52.80	12.85
	2	(untitled)	6	771-2	D	230	2263	64	46.00	18	388	9.82	0.33	0.00	0.02
	3	(untitled)	6	771-2	D	387	2263	64	16.00	31	190	7.81	1.21	15.54	4.79
Acf	1	(untitled)	6			1343	2263	120	34.00	59	52	6.36	1.16	0.00	0.43
	2	(untitled)	6			387	2263	120	70.00	17	426	7.39	0.16	0.00	0.02
Af	1	(untitled)	6			602	2050	120	36.00	29	206	6.96	0.36	0.00	0.06
	2	(untitled)	6			360	2050	120	39.00	18	413	6.75	0.19	0.00	0.02

	3	(untitled)	6			541	2050	120	36.00	26	241	6.90	0.31	0.00	0.05
B	1	(untitled)	1	769-1	B	329	2050	38	0.00	48	87	22.19	15.09	66.77	3.67
	2	(untitled)	1	769-1	B	339	2150	38	0.33	48	89	22.25	14.96	66.55	3.76
	3	(untitled)	1	769-1	B	414	2100	38	16.00	59	52	39.23	31.76	107.37	7.47
	4	(untitled)	1	769-1	B	450 <	2050	38	13.66	100	-10	196.69	184.40	286.10	27.52 +
Bc	1	(untitled)	1	769-1	A	402	2050	58	9.00	39	130	15.10	5.13	20.65	4.79
	2	(untitled)	1	769-1	A	529	2050	58	10.54	52	73	15.46	5.59	20.21	5.10
	3	(untitled)	1	769-1	A	759	2050	58	7.00	74	22	18.44	8.67	30.72	14.96
Bcf	1	(untitled)	1			1544	2263	120	120.00	68	32	5.87	1.70	0.00	0.73
	2	(untitled)	1			402	2263	120	65.00	18	407	5.31	0.17	0.00	0.02
	3	(untitled)	1			529	2263	120	38.00	23	285	5.99	0.24	0.00	0.04
	4	(untitled)	1			759	2263	120	34.00	34	168	6.23	0.40	0.00	0.08
Bf	1	(untitled)	1			668	1800	120	0.00	37	143	27.93	0.59	0.00	0.11
	2	(untitled)	1			864 <	1800	120	59.71	96	-6	134.21	106.79	289.85	46.30 +
C	1	(untitled)	2	769-2	G	512	2100	34	0.00	81	11	50.74	36.21	116.06	9.98
	2	(untitled)	2	769-2	G	466	2200	34	9.18	73	23	37.63	22.94	111.87	8.72
	3	(untitled)	2	769-2	G	578 <	2050	34	0.00	94	-4	132.83	117.91	237.64	25.71 +
Cf	1	(untitled)	2			512	1965	120	12.00	26	246	17.67	0.32	0.00	0.05
	2	(untitled)	2			1044 <	1965	120	56.26	100	-10	106.27	88.77	181.74	40.29 +
D	1	(untitled)	3	770-1	B	504	2050	34	0.00	82	10	44.63	40.50	102.87	8.89
	2	(untitled)	3	770-1	B	555 <	1850	34	0.00	100	-10	116.68	112.56	147.45	20.57 +
	3	(untitled)	3	770-1	B	560 <	2250	34	0.32	84	8	34.62	30.45	92.50	9.71 +
	4	(untitled)	3	770-1	B	636 <	2250	34	0.00	94	-4	55.08	50.63	122.16	14.45 +
Dc	1	(untitled)	3	770-1	A	878	2100	66	3.09	74	22	16.04	12.27	54.08	7.93
	2	(untitled)	3	770-1	A	860	2100	66	1.75	73	23	16.45	12.82	55.14	7.89
	3	(untitled)	3	770-1	A	677	2100	66	15.82	70	28	14.03	10.54	70.88	6.49
	4	(untitled)	3	770-1	A	811 <	2100	66	21.63	100	-10	83.32	79.99	105.43	20.71 +
Dcf	1	(untitled)	3			917	2050	120	38.00	45	101	5.66	0.71	0.00	0.18
	2	(untitled)	3			205	2100	120	87.00	10	820	5.04	0.09	0.00	0.01
	3	(untitled)	3			878	2100	120	50.53	57	59	7.57	2.60	18.64	5.40
	4	(untitled)	3			860	2100	120	51.15	57	57	8.33	3.33	21.58	7.34
	5	(untitled)	3			677	2100	120	34.97	33	175	5.49	0.47	2.81	2.41
	6	(untitled)	3			811 <	2100	120	73.63	100	-10	91.11	86.08	124.52	25.00 +
Df	1	(untitled)	3-2	13	B	1118 <	1900	103	38.01	107	-16	172.87	148.87	191.40	60.71 +
	2	(untitled)	3-2	13	B	1196	2250	103	2.03	63	44	27.85	3.85	28.47	11.82
Dxp	1	(untitled)	3-2	770-2	D	989	2050	101	19.00	57	59	5.15	1.66	4.73	1.75
	2	(untitled)	3-2	770-2	D	210	2050	101	56.00	12	646	3.92	0.27	1.65	0.14
Ec	1	(untitled)	4	770-3	F	816	2150	70	30.00	63	42	12.45	8.70	48.66	7.07
	2	(untitled)	4	770-3	F	1232 <	2263	70	0.00	91	-1	20.67	17.04	52.54	11.01 +
	3	(untitled)	4	770-3	F	1335 <	2263	70	0.00	98	-8	44.86	41.35	82.70	19.83 +
	4	(untitled)	4	770-3	F	635	2250	70	22.00	47	91	14.57	11.19	67.00	7.11
Ecf	1	(untitled)	4			961	2100	120	19.55	46	96	4.24	0.79	2.02	4.87
	2	(untitled)	4			1280	2100	120	17.91	61	46	4.99	1.51	3.34	5.35
	3	(untitled)	4			1232	2263	120	38.37	71	28	9.39	5.87	32.76	7.09
	4	(untitled)	4			1335 <	2300	120	47.41	86	4	16.36	12.80	42.78	9.40 +
	5	(untitled)	4			673	2300	120	62.25	38	135	8.64	4.99	35.68	5.04
Ef	1	(untitled)	4			907 <	1900	120	67.19	108	-17	188.99	173.69	257.87	54.15 +
	2	(untitled)	4			509	1900	120	0.00	27	236	15.65	0.35	0.00	0.05
Exp	1	(untitled)	4-2	770-4	L	961	2050	100	15.00	56	62	5.71	1.86	8.24	5.04
	2	(untitled)	4-2	770-4	L	464	2050	100	13.00	27	234	5.12	1.13	8.09	2.37
F	1	(untitled)	5	771-1	B	310	2100	16	0.00	98	-9	115.11	108.73	190.67	11.96
	2	(untitled)	5	771-1	B	310	2100	16	0.00	98	-9	115.16	108.73	190.67	11.96
	3	(untitled)	5	771-1	B	324 <	2100	16	0.00	103	-12	252.18	245.63	300.91	24.95 +
Fc	1	(untitled)	5	771-1	A	1449	2263	84	9.00	89	1	29.47	10.46	33.51	8.72
	2	(untitled)	5	771-1	A	1366	2263	84	13.34	92	-2	38.47	19.83	69.71	30.19
	3	(untitled)	5	771-1	A	1172	2263	84	18.44	73	24	25.96	6.67	67.30	22.05
Ff	1	(untitled)	5			620	1900	120	0.00	33	176	33.48	0.46	0.00	0.08
	2	(untitled)	5			324	1900	120	38.68	25	258	35.98	3.00	20.40	1.49

G	**1**	(untitled)	2	769-2	F	280	2050	32	17.17	50	80	55.31	39.25	105.85	4.91
	2	(untitled)	2	769-2	F	267	2050	32	17.17	48	89	55.30	43.86	109.32	5.06
Gf	**1**	(untitled)	4			261	2050	120	90.03	13	607	3.05	0.13	0.50	2.33
	2	(untitled)	4			248	2050	120	90.03	12	644	3.01	0.13	0.50	2.33
xA	**1**	(untitled)	10			1618	2263	120	25.68	75	20	20.14	2.92	9.60	6.05
	2	(untitled)	10			1573	2263	120	22.15	72	25	19.89	2.65	10.31	31.07
xB	**1**	(untitled)				1544	Unrestricted	120	11.00	0	Unrestricted	4.06	0.00	0.00	0.00
xC	**1**	(untitled)				496	1900	120	66.91	47	93	15.50	6.83	52.75	7.20
	2	(untitled)				479	1900	120	65.32	44	104	14.95	6.25	53.57	7.17
xD	**1**	(untitled)				989	Unrestricted	120	15.00	0	Unrestricted	9.13	0.00	0.00	0.00
	2	(untitled)				210	Unrestricted	120	62.00	0	Unrestricted	9.21	0.00	0.00	0.00
xE	**1**	(untitled)				961	Unrestricted	120	13.00	0	Unrestricted	13.03	0.00	0.00	0.00
	2	(untitled)				464	Unrestricted	120	15.00	0	Unrestricted	13.03	0.00	0.00	0.00
xF	**1**	(untitled)				867	Unrestricted	120	17.00	0	Unrestricted	7.99	0.00	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	428	2050	60	9.00	40	122	12.78	6.18	23.27	2.67
E1	**1**	(untitled)	4	770-3	G	299	2050	28	12.00	58	54	42.37	36.37	107.70	5.37
	2	(untitled)	4	770-3	G	537 <	2200	28	0.00	98	-8	130.14	124.14	191.18	22.32 +
Gf1	**1**	(untitled)	4			38	668	120	86.00	6	1482	5.78	2.19	39.01	0.33
Cc2	**2**	(untitled)	2	769-2	D	832	2150	58	10.19	80	12	28.78	18.85	88.12	15.04
	3	(untitled)	2	769-2	D	394	2050	58	13.00	38	134	14.34	4.00	20.29	1.65
	4	(untitled)	2	769-2	D	657	2150	58	7.00	61	47	28.29	18.81	88.82	9.76
	5	(untitled)	2	769-2	D	461	2050	58	10.00	45	100	24.30	15.76	84.28	6.48
	6	(untitled)	2	769-2	D	450 <	2050	58	33.66	100	-10	158.95	151.03	245.11	23.57 +
E2	**3**	(untitled)	4	770-3	H	261	2150	28	0.56	49	82	26.67	22.67	83.79	3.65
	4	(untitled)	4	770-3	H	248	2050	28	0.00	48	86	26.56	22.48	83.71	3.46
TC5	**2**	(untitled)	TC771-6	TC777-1	A	1078	2263	99	13.00	57	59	4.92	2.16	8.36	3.00
	3	(untitled)	TC771-6	TC777-1	A	1573 <	2263	99	10.00	83	9	7.59	4.83	9.11	4.83 +
	4	(untitled)	TC771-6	TC777-1	C	0	1800	11	12.00	0	Unrestricted	0.00	0.00	0.00	0.00
TC9	**1**	(untitled)	TC771-6	TC777-1	B	497	1925	72	0.00	41	118	23.43	12.43	47.27	7.87
	2	(untitled)	TC771-6	TC777-1	B	352	1966	72	0.00	29	214	21.92	10.87	42.99	5.04
	3	(untitled)	TC771-6	TC777-1	B	452	1947	72	0.00	37	142	22.99	11.86	45.27	6.82
TC35	**1**	(untitled)	TC771-6	TC777-1	A	541	1900	99	12.00	34	166	5.46	2.57	17.72	2.98
TC36	**1**	(untitled)	TC771-6			231	1800	120	0.00	13	601	3.17	0.15	0.00	0.01
TC37	**1**	(untitled)	TC771-6	TC777-2	J	41	1850	105	105.00	3	3487	4.09	0.90	11.69	0.16
TC38	**1**	(untitled)	TC771-6			41	211	120	36.00	19	363	14.62	13.09	68.43	2.44
TC39	**2**	(untitled)	TC771-6			1078	2263	120	32.00	48	89	3.26	0.72	0.00	0.22
	3	(untitled)	TC771-6			1573	2263	120	29.00	70	29	4.20	1.81	0.00	0.79
TC40	**2**	(untitled)	TC771-6			1119	Unrestricted	120	12.00	0	Unrestricted	4.23	0.00	0.00	0.00
	3	(untitled)	TC771-6			1573	Unrestricted	120	15.00	0	Unrestricted	4.02	0.00	0.00	0.00
TC41	**1**	(untitled)	TC771-6	TC777-1	D	95	1850	7	0.00	77	17	102.18	98.25	127.91	4.15
	2	(untitled)	TC771-6	TC777-1	D	95	1850	7	0.00	77	17	102.21	98.25	127.91	4.15
TC42	**1**	(untitled)	TC771-6	TC777-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00
TC43	**1**	(untitled)				0	1800	120	120.00	0	Unrestricted	0.00	0.00	0.00	0.00
47	**1**	(untitled)	2			975	1300	120	14.00	75	20	20.15	4.11	0.00	1.11
48	**1**	(untitled)	2			1605 <	1965	120	25.01	103	-13	91.73	85.11	194.37	60.92 +

49	1	(untitled)	TC771-6			509	1900	120	0.00	27	236	3.50	0.35	0.00	0.05
	2	(untitled)	TC771-6			804	1900	120	0.00	42	113	3.84	0.69	0.00	0.16
50	1	(untitled)	1			1968 <	1900	120	23.25	128	-30	411.98	406.20	346.67	244.93 +
51	1	(untitled)	4-2			944	1900	120	0.00	50	81	5.43	0.93	0.00	0.24
52	1		4	11	A	867 <	1800	103	18.00	56	62	4.08	2.58	36.47	10.97 +
53	1		6	12	A	1544 <	1800	103	0.00	99	-9	45.62	43.75	106.63	53.56 +
55	1		TC771-6	TC777-1	J	12	1800	7	7.00	10	800	65.32	54.40	93.73	0.38
56	1		3-2	13	A	14	1800	7	6.15	12	657	78.82	54.82	94.78	0.45

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	58	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	3	770-1	C	0	11000	58	0	Unrestricted	0.00	0.00	0.00	100	
3	1	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
4	1	(untitled)	4	770-3	J	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	J	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
5	1	(untitled)	4	770-3	I	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	I	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
6	1	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	
7	1	(untitled)	5	771-1	C	0	11000	72	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	5	771-1	C	0	11000	72	0	Unrestricted	0.00	0.00	0.00	100	
8	1	(untitled)	1	769-1	C	0	0	0	0	-100	0.00	0.00	0.00	100	
	2	(untitled)	1	769-1	C	0	0	0	0	-100	0.00	0.00	0.00	100	
9	1	(untitled)	2	769-2	J	0	11000	24	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	J	0	11000	24	0	Unrestricted	0.00	0.00	0.00	100	
10	1	(untitled)	2	769-2	K	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	K	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	
11	1	(untitled)		769-2	H	0	11000	60	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		769-2	H	0	11000	60	0	Unrestricted	0.00	0.00	0.00	100	
12	1	(untitled)	2	769-2	I	0	11000	58	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	I	0	11000	58	0	Unrestricted	0.00	0.00	0.00	100	
13	1	(untitled)		TC777-1	I	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	I	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	
14	1	(untitled)		TC777-1	F	0	11000	100	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	F	0	11000	100	0	Unrestricted	0.00	0.00	0.00	100	
15	1	(untitled)		TC777-1	G	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	G	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	
16	1	(untitled)		TC777-1	H	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	H	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
17	1	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	
18	1	(untitled)	11	11	B	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	11	11	B	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	
19	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	

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	7487.31	946.34	7.91	751.90	10677.00	1034.95	0.00	11711.95
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	7487.31	946.34	7.91	751.90	10677.00	1034.95	0.00	11711.95

- *< = 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***