TRANSYT 15

Filename: M62 JN 28 CRF Scheme_Mar 20- Scenario 3a-AM + LCC Scheme.t15
Path: Z:\Projects\10127ITM Capitol Park, Leeds F2 (F1A)\Tech\Transyt\TRANSYT - AGREED HE_LCC BASE MODEL (MARCH 2020)\Post-Submission Work
Report generation date: 15/07/2021 23:08:46

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File summary

File description

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

Model and Results

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

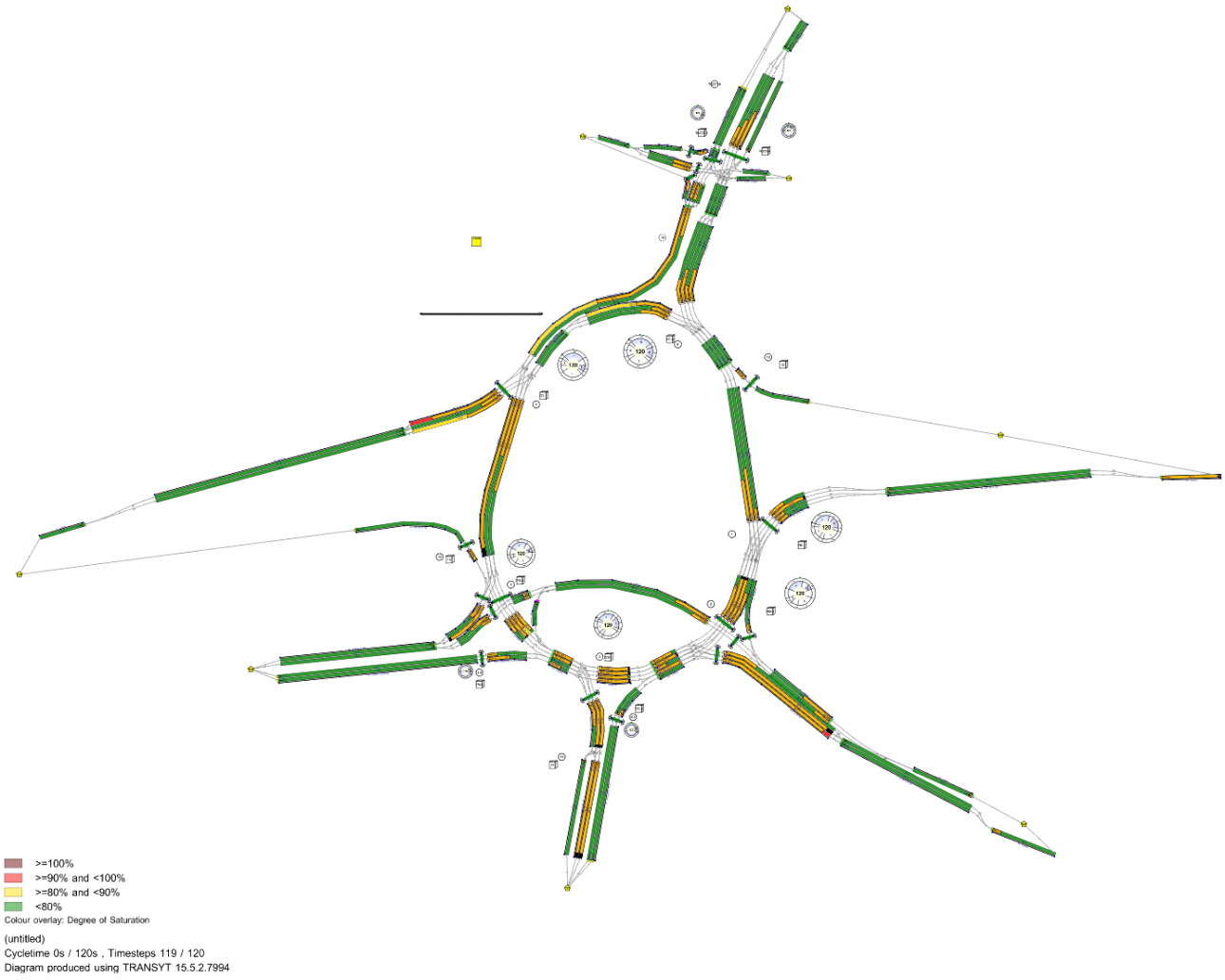
Units

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

Sorting

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

Network Diagrams



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

Summary

Data Errors and Warnings

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

Run Summary

Analysis set used	Run start time	Run finish time	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Ite wit wor over PR
1	15/07/2021 23:07:41	15/07/2021 23:07:56	07:30	120	8998.74	574.98	132.81	Df/1	17	11	TC42/1	Dcf/4	TC4

Analysis Set Details

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

Demand Set Details

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

Network Options

Network timings

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

Signals options

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

Advanced

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

Traffic options

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

Advanced

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

Normal Traffic parameters

Dispersion type	Dispersion coefficient	Travel time coefficient
Default	35	80

Normal Traffic Types

Name	PCU Factor
Normal	1.00

Bus parameters

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

Tram parameters

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

Pedestrian parameters

Dispersion type
Default

Optimisation options

Enable optimisation	Auto redistribute	Optimisation level	Enable OUT Profile accuracy
✓		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, 11, 12, 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			3-2
53			TC771-6
54			6
55			4

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto length	Length (m)	Has Saturation Flow	Saturation flow source	Saturation flow (PCU/hr)	Auto-calculate cell saturation flow	Cell saturation flow (PCU/hr)	Is signal controlled	Is give way	Traffic type	Allow Nearside Turn On Red
A	1	(untitled)	M62E	✓	74.52	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.88	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.61	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.35	✓	Directly entered	2050		2050	✓		Normal	
Ac	1	(untitled)	M62E	✓	95.80	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Wake	✓	92.34	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.95	✓	Directly entered	2263		2263	✓		Normal	
Acf	1	(untitled)		✓	69.59	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	70.42	✓	Directly entered	2263		2263			Normal	
Af	1	(untitled)	M62E/Wake	✓	55.14	✓	Directly entered	2050		2050			Normal	
	2	(untitled)	Dews	✓	54.98	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	55.19	✓	Directly entered	2050		2050			Normal	
B	1	(untitled)	Wake/Dews	✓	94.67	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Brad	✓	97.18	✓	Directly entered	2150		2150	✓		Normal	
	3	(untitled)	Leeds	✓	99.69	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)		✓	102.42	✓	Directly entered	2050		2050	✓		Normal	
Bc	1	(untitled)	Wake	✓	132.85	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Dews	✓	131.47	✓	Directly entered	2050		2263	✓		Normal	
	3	(untitled)	Brad/M62W	✓	130.10	✓	Directly entered	2050		2050	✓		Normal	
Bcf	1	(untitled)		✓	62.67	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	63.14	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.35	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.25	✓	Directly entered	2263		2050			Normal	
Bf	1	(untitled)		✓	227.81	✓	Sum of lanes	1800		1600			Normal	
	2	(untitled)		✓	228.44	✓	Sum of lanes	1800		1700			Normal	
C	1	(untitled)	Dews/Brad	✓	121.13	✓	Directly entered	2100		2050	✓		Normal	
	2	(untitled)	M62W/Brad/Leeds	✓	122.36	✓	Directly entered	2200		2100	✓		Normal	
	3	(untitled)	Leeds/M62E	✓	124.35	✓	Directly entered	2050		1900	✓		Normal	
Cf	1	(untitled)		✓	144.60	✓	Sum of lanes	1965		1965			Normal	
	2	(untitled)		✓	145.86	✓	Sum of lanes	1965		1965			Normal	
	1	(untitled)	Brad/M62		55.00	✓	Directly entered	2050		2050	✓		Normal	

D	**2**	(untitled)	Leeds		55.00	✓	Directly entered	1850		2075	✓		Normal	
	3	(untitled)	Leeds/M62/Wake	✓	55.95	✓	Directly entered	2250		2250	✓		Normal	
Dc	**1**	(untitled)	Brad	✓	50.67	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	46.80	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	44.85	✓	Directly entered	2100		2100	✓		Normal	
Dcf	**1**	(untitled)		✓	65.95	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	65.92	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	68.61	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	66.73	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	66.90	✓	Directly entered	2100		2100			Normal	
Df	**1**	(untitled)			200.00	✓	Sum of lanes	1900			✓		Normal	
	2	(untitled)			200.00	✓	Directly entered	2250			✓		Normal	
Dxp	**1**	(untitled)		✓	46.62	✓	Directly entered	2050			✓		Normal	
	2	(untitled)		✓	48.64	✓	Directly entered	2050			✓		Normal	
Ec	**1**	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal	
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)	M62E	✓	45.93	✓	Directly entered	2250		2250	✓		Normal	
Ecf	**1**	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal	
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	46.93	✓	Directly entered	2263		2263			Normal	
	4	(untitled)		✓	50.37	✓	Directly entered	2300		2300			Normal	
Ef	**1**	(untitled)		✓	127.54	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal	
Exp	**1**	(untitled)		✓	51.83	✓	Directly entered	2050		2100	✓		Normal	
	2	(untitled)		✓	53.71	✓	Directly entered	2050		2100	✓		Normal	
F	**1**	(untitled)	Leeds	✓	85.13	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.25	✓	Directly entered	2100		2100	✓		Normal	
Fc	**1**	(untitled)	Leeds	✓	183.21	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Leeds	✓	181.45	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	M62E/Dews	✓	180.28	✓	Directly entered	2263		2263	✓		Normal	

Ff	**1**	(untitled)		✓	275.73	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	275.39	✓	Sum of lanes	1900		1900			Normal	
G	**1**	(untitled)		✓	156.15	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)		✓	152.60	✓	Directly entered	2050		2050	✓		Normal	
Gf	**1**	(untitled)		✓	38.89	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	38.45	✓	Directly entered	2050		2050			Normal	
xA	**1**	(untitled)		✓	229.66	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	229.97	✓	Directly entered	2263		2263			Normal	
xB	**1**	(untitled)		✓	58.47								Normal	
xC	**1**	(untitled)		✓	115.60	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	115.98	✓	Sum of lanes	1900		1900			Normal	
xD	**1**	(untitled)		✓	121.71								Normal	
	2	(untitled)		✓	122.74								Normal	
xE	**1**	(untitled)		✓	173.89								Normal	
	2	(untitled)		✓	173.83								Normal	
xF	**1**	(untitled)		✓	102.75								Normal	
Cc1	**1**	(untitled)	Wake	✓	95.84	✓	Directly entered	2050		2050	✓		Normal	
E1	**1**	(untitled)	M62W/Leeds		80.00	✓	Directly entered	2050		1900	✓		Normal	
	2	(untitled)	Leeds/M62E		80.00	✓	Directly entered	2200		2100	✓		Normal	
Gf1	**1**	(untitled)		✓	49.26							✓	Normal	
Cc2	**2**	(untitled)	Dews	✓	91.58	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	89.25	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	88.96	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	88.65	✓	Directly entered	2050		2050	✓		Normal	
E2	**3**	(untitled)	Wake	✓	53.28	✓	Directly entered	2150		2050	✓		Normal	
	4	(untitled)	Wake	✓	54.33	✓	Directly entered	2050		2050	✓		Normal	
TC5	**2**	(untitled)		✓	23.03	✓	Sum of lanes	2263		2263	✓		Normal	
	3	(untitled)		✓	23.02	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)		✓	24.43	✓	Sum of lanes	1800		2263	✓		Normal	
TC9	**1**	(untitled)		✓	91.71	✓	Directly entered	1925		1925	✓		Normal	
	2	(untitled)		✓	92.11	✓	Sum of lanes	1966		1966	✓		Normal	
	3	(untitled)		✓	92.69	✓	Sum of lanes	1947		1947	✓		Normal	
TC35	**1**	(untitled)		✓	24.16	✓	Directly entered	1900		2263	✓		Normal	
TC36	**1**	(untitled)		✓	25.22	✓	Sum of lanes	1800					Normal	
TC37	**1**	(untitled)		✓	44.32	✓	Directly entered	1850		1850	✓		Normal	
TC38	**1**	(untitled)		✓	21.32	✓	Directly entered	1850		1850		✓	Normal	

TC39	2	(untitled)		✓	35.24	✓	Directly entered	2263		2263			Normal	
	3	(untitled)		✓	33.28	✓	Directly entered	2263		2263			Normal	
TC40	2	(untitled)		✓	58.74								Normal	
	3	(untitled)		✓	55.82								Normal	
TC41	1	(untitled)		✓	54.63	✓	Directly entered	1850		1850	✓		Normal	
	2	(untitled)		✓	55.07	✓	Directly entered	1850		1850	✓		Normal	
TC42	1	(untitled)		✓	23.35	✓	Sum of lanes	1771			✓		Normal	
TC43	1	(untitled)		✓	52.01	✓	Sum of lanes	1800					Normal	
47	1	(untitled)		✓	133.63	✓	Directly entered	1300		1300			Normal	
48	1	(untitled)		✓	55.12	✓	Sum of lanes	1965					Normal	
49	1	(untitled)		✓	26.24	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	26.24	✓	Directly entered	1900					Normal	
50	1	(untitled)		✓	48.15	✓	Sum of lanes	1900					Normal	
51	1	(untitled)		✓	37.47	✓	Sum of lanes	1900					Normal	
52	1				200.00	✓	Sum of lanes	1800			✓		Normal	
53	1			✓	91.05	✓	Sum of lanes	1800			✓		Normal	
54	1				25.00	✓	Sum of lanes	1800			✓		Normal	
55	1				20.00	✓	Sum of lanes	1800			✓		Normal	

Lanes

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

Bf	**1**	**1**	(untitled)												1800
	2	**1**	(untitled)												1800
C	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
	3	**3**	(untitled)												
Cf	**1**	**2**	(untitled)												1965
	2	**1**	(untitled)												1965
D	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
	3	**3**	(untitled)												
Dc	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
	3	**3**	(untitled)												
	4	**4**	(untitled)												
Dcf	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
	3	**3**	(untitled)												
	4	**4**	(untitled)												
	5	**5**	(untitled)												
Df	**1**	**1**	(untitled)												1900
	2	**2**	(untitled)												
Dxp	**1**	**1**	(untitled)												
	2	**1**	(untitled)												
Ec	**1**	**1**	(untitled)												
	2	**1**	(untitled)												
	3	**1**	(untitled)												
	4	**1**	(untitled)												
Ecf	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
	3	**3**	(untitled)												
	4	**4**	(untitled)												
Ef	**1**	**1**	(untitled)												
	2	**2**	(untitled)												1900
Exp	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
F	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
	3	**3**	(untitled)												
Fc	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
	3	**3**	(untitled)												
Ff	**1**	**1**	(untitled)												1900
	2	**2**	(untitled)												1900
G	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
Gf	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
xA	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
xB	**1**	**1**	(untitled)												
xC	**1**	**1**	(untitled)												1900
	2	**2**	(untitled)												1900
xD	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
xE	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
xF	**1**	**1**	(untitled)												
Cc1	**1**	**1**	(untitled)												

E1	1	1	(untitled)										
	2	2	(untitled)										
Gf1	1	1	(untitled)										
Cc2	2	2	(untitled)										
	3	3	(untitled)										
	4	4	(untitled)										
	5	5	(untitled)										
E2	3	3	(untitled)										
	4	4	(untitled)										
TC5	2	1	(untitled)		✓	N/A	Clearly Good	0	3.50	✓	0	99999.00		2263
	3	1	(untitled)											
	4	1	(untitled)											1800
TC9	1	1	(untitled)											
	2	1	(untitled)		✓	N/A	Average	0	3.70	✓	0	99999.00		1966
	3	1	(untitled)		✓	N/A	Average	0	3.50	✓	0	99999.00		1947
TC35	1	1	(untitled)											
TC36	1	1	(untitled)											1800
TC37	1	1	(untitled)											
TC38	1	1	(untitled)											
TC39	2	1	(untitled)											
	3	1	(untitled)											
TC40	2	1	(untitled)											
	3	1	(untitled)											
TC41	1	1	(untitled)											
	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)											1800
53	1	1	(untitled)											1800
54	1	1	(untitled)											1800
55	1	1	(untitled)											1800

Modelling

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

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

xC	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xD	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xE	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xF	1	NetworkDefault	100	100	100		0.00							
Cc1	1	CTM	100	100	100		0.00							
E1	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
Gf1	1	NetworkDefault	100	100	100		0.00							
Cc2	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
E2	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
TC5	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
TC9	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
TC35	1	CTM	100	100	100		0.00							
TC36	1	NetworkDefault	100	100	100		0.00							
TC37	1	CTM	100	100	100		0.00							
TC38	1	CTM	100	100	100		0.00							
TC39	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
TC40	2	PDM	100	100	100		0.00							
	3	PDM	100	100	100		0.00							
TC41	1	CTM	100	100	100		0.00							
	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							
54	1	NetworkDefault	100	100	100		0.00							
55	1	NetworkDefault	100	100	100		0.00							

Modelling - Advanced

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

Normal traffic - Modelling

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

Normal traffic - Advanced

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

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)
A	1	402	402
	2	219	219
	3	417	417
	4	374	374
Ac	1	1073	1073
	2	213	213
	3	381	381
Acf	1	1286	1286
	2	381	381
Af	1	621	621
	2	417	417
	3	374	374
B	1	395	395
	2	368	368
	3	566	566
	4	503	503
Bc	1	432	432
	2	719	719
	3	453	453
Bcf	1	1475	1475
	2	432	432
	3	719	719
	4	453	453
Bf	1	763	763
	2	1069	1069
C	1	551	551
	2	572	572
	3	367	367
Cf	1	551	551
	2	939	939
D	1	509	509
	2	856	856
	3	820	820
Dc	1	944	944
	2	796	796
	3	750	750
	4	870	870
Dcf	1	894	894
	2	1211	1211
	3	796	796
	4	750	750
	5	870	870
Df	1	1351	1351
	2	820	820
Dxp	1	894	894
	2	267	267
Ec	1	800	800
	2	1539	1539
	3	1132	1132
	4	589	589
Ecf	1	1107	1107
	2	1142	1142
	3	1539	1539
	4	1757	1757

Ef	**1**	841	841
	2	471	471
Exp	**1**	1107	1107
	2	342	342
F	**1**	368	368
	2	212	212
	3	309	309
Fc	**1**	1757	1757
	2	1176	1176
	3	1117	1117
Ff	**1**	580	580
	2	309	309
G	**1**	339	339
	2	168	168
Gf	**1**	336	336
	2	135	135
xA	**1**	1892	1892
	2	1380	1380
xB	**1**	1475	1475
xC	**1**	552	552
	2	361	361
xD	**1**	894	894
	2	267	267
xE	**1**	1107	1107
	2	342	342
xF	**1**	851	851
Cc1	**1**	405	405
E1	**1**	313	313
	2	528	528
Gf1	**1**	36	36
Cc2	**2**	812	812
	3	898	898
	4	818	818
	5	503	503
E2	**3**	336	336
	4	135	135
TC5	**2**	1321	1321
	3	1380	1380
	4	0	0
TC9	**1**	518	518
	2	397	397
	3	301	301
TC35	**1**	571	571
TC36	**1**	226	226
TC37	**1**	40	40
TC38	**1**	40	40
TC39	**2**	1321	1321
	3	1380	1380
TC40	**2**	1361	1361
	3	1380	1380
TC41	**1**	93	93
	2	93	93
TC42	**1**	0	0
TC43	**1**	0	0
47	**1**	912	912
48	**1**	1490	1490
49	**1**	528	528
	2	698	698

50	**1**	1832	1832
51	**1**	889	889
52	**1**	14	14
53	**1**	10	10
54	**1**	1475	1475
55	**1**	851	851

Signals

Arm	Traffic Stream	Controller stream	Phase	Second phase enabled
A	**1**	771-2	E	
	2	771-2	E	
	3	771-2	E	
	4	771-2	E	
Ac	**1**	771-2	D	
	2	771-2	D	
	3	771-2	D	
B	**1**	769-1	B	
	2	769-1	B	
	3	769-1	B	
	4	769-1	B	
Bc	**1**	769-1	A	
	2	769-1	A	
	3	769-1	A	
C	**1**	769-2	G	
	2	769-2	G	
	3	769-2	G	
D	**1**	770-1	B	
	2	770-1	B	
	3	770-1	B	
Dc	**1**	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
Df	**1**	11	B	
	2	11	B	
Dxp	**1**	770-2	D	
	2	770-2	D	
Ec	**1**	770-3	F	
	2	770-3	F	
	3	770-3	F	
	4	770-3	F	
Exp	**1**	770-4	L	
	2	770-4	L	
F	**1**	771-1	B	
	2	771-1	B	
	3	771-1	B	
Fc	**1**	771-1	A	
	2	771-1	A	
	3	771-1	A	
G	**1**	769-2	F	
	2	769-2	F	
Cc1	**1**	769-2	E	
E1	**1**	770-3	G	
	2	770-3	G	
Cc2	**2**	769-2	D	
	3	769-2	D	
	4	769-2	D	
	5	769-2	D	

E2	3	770-3	H	
	4	770-3	H	
TC5	2	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	1	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	1	TC777-1	A	
TC37	1	TC777-2	J	
TC41	1	TC777-1	D	
	2	TC777-1	D	
TC42	1	TC777-1	E	
52	1	11	A	
53	1	TC777-1	J	
54	1	12	A	
55	1	13	A	

Entry Sources

Arm	Traffic Stream	Cruise time for Normal Traffic (s)	Cruise speed for Normal Traffic (kph)
Df	1	24.00	30.00
	2	24.00	30.00
Ef	1	15.31	30.00
	2	15.31	30.00
TC36	1	3.03	30.00
TC42	1	2.80	30.00
48	1	6.61	30.00
49	1	3.15	30.00
	2	3.15	30.00
50	1	5.78	30.00
51	1	4.50	30.00
52	1	24.00	30.00

Sources

Arm	Traffic Stream	Source	Source traffic stream	Destination traffic stream	Cruise time for Normal Traffic (s)	Cruise speed for Normal Traffic (kph)	Auto turning radius	Traffic turn style	Turning radius (m)
A	1	1	Af/1	A/1	5.59	48.00	✓	Straight	Straight Movement
	2	1	Af/1	A/2	5.77	48.00	✓	Straight	Straight Movement
	3	1	Af/2	A/3	5.90	48.00	✓	Straight	Straight Movement
	4	1	Af/3	A/4	6.03	48.00	✓	Straight	Straight Movement
Ac	1	1	Acf/1	Ac/1	7.19	48.00	✓	Offside	48.59
	2	1	Acf/1	Ac/2	9.50	35.00	✓	Offside	46.08
	3	1	Acf/2	Ac/3	6.60	48.00	✓	Offside	42.76
Acf	1	1	F/2	Acf/1	5.22	48.00	✓	Straight	Straight Movement
	2	1	F/3	Acf/2	7.24	35.00	✓	Straight	Straight Movement
Af	1	1	TC42/1	Af/1	6.62	30.00	✓	Nearside	10.60
	2	1	TC42/1	Af/2	6.60	30.00	✓	Nearside	10.60
	3	1	TC42/1	Af/3	6.62	30.00	✓	Nearside	10.60
B	1	1	Bf/1	B/1	7.10	48.00	✓	Straight	Straight Movement
	2	1	Bf/1	B/2	7.29	48.00	✓	Straight	Straight Movement
	3	1	Bf/2	B/3	7.48	48.00	✓	Straight	Straight Movement

	4	1	Bf/2	B/4	12.29	30.00	✓	Straight	Straight Movement
Bc	1	1	Bcf/2	Bc/1	11.96	40.00	✓	Offside	51.76
	2	1	Bcf/3	Bc/2	11.83	40.00	✓	Offside	48.45
	3	1	Bcf/4	Bc/3	11.71	40.00	✓	Offside	45.13
Bcf	1	1	A/1	Bcf/1	4.70	48.00	✓	Nearside	68.65
	2	1	A/2	Bcf/2	6.69	34.00	✓	Nearside	71.96
	3	1	A/3	Bcf/3	6.60	34.00	✓	Nearside	75.27
	4	1	A/4	Bcf/4	6.59	34.00	✓	Nearside	78.59
Bf	1	1	50/1	Bf/1	27.34	30.00	✓	Straight	Straight Movement
	2	1	50/1	Bf/2	27.41	30.00	✓	Straight	Straight Movement
C	1	1	Cf/1	C/1	14.54	30.00	✓	Offside	59.30
	2	1	Cf/2	C/2	14.68	30.00	✓	Offside	55.98
	3	1	Cf/2	C/3	14.92	30.00	✓	Offside	53.27
Cf	1	1	48/1	Cf/1	17.35	30.00	✓	Straight	Straight Movement
	2	1	48/1	Cf/2	17.50	30.00	✓	Straight	Straight Movement
D	1	1	Df/1	D/1	4.13	48.00	✓	Straight	Straight Movement
	2	1	Df/1	D/2	4.13	48.00	✓	Straight	Straight Movement
	3	1	Df/2	D/3	4.20	48.00	✓	Straight	Straight Movement
Dc	1	1	Dcf/2	Dc/1	3.80	48.00	✓	Offside	56.07
	2	1	Dcf/3	Dc/2	3.65	48.00	✓	Offside	52.76
	3	1	Dcf/4	Dc/3	5.62	30.00	✓	Offside	49.44
	4	1	Dcf/5	Dc/4	5.38	30.00	✓	Offside	46.13
Dcf	1	1	Cc2/2	Dcf/1	4.95	48.00	✓	Straight	Straight Movement
	2	1	Cc2/4	Dcf/2	4.94	48.00	✓	Straight	Straight Movement
	3	1	Cc2/3	Dcf/3	5.15	48.00	✓	Straight	Straight Movement
	4	1	C/2	Dcf/4	5.00	48.00	✓	Nearside	58.86
	5	1	Cc2/5	Dcf/5	5.02	48.00	✓	Straight	Straight Movement
Dxp	1	1	Dcf/1	Dxp/1	3.50	48.00	✓	Nearside	80.62
	2	1	Dcf/2	Dxp/2	3.65	48.00	✓	Nearside	83.93
Ec	1	1	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42
	2	1	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	1	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	1	Ecf/4	Ec/4	3.44	48.00	✓	Offside	67.06
Ecf	1	1	Dc/1	Ecf/1	3.45	48.00	✓	Offside	76.11
	2	1	Dc/2	Ecf/2	3.48	48.00	✓	Offside	72.80
	3	1	Dc/3	Ecf/3	3.52	48.00	✓	Offside	69.49
	4	1	Dc/4	Ecf/4	3.78	48.00	✓	Offside	66.17
Exp	1	1	Ecf/1	Exp/1	3.89	48.00	✓	Nearside	52.96
	2	1	Ecf/2	Exp/2	4.03	48.00	✓	Nearside	56.27
F	1	1	Ff/1	F/1	6.38	48.00	✓	Straight	Straight Movement
	2	1	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement
	3	1	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	1	1	Ec/2	Fc/1	18.84	35.00	✓	Straight	Straight Movement
	2	1	Ec/3	Fc/2	18.66	35.00	✓	Straight	Straight Movement
	3	1	Ec/4	Fc/3	18.54	35.00	✓	Straight	Straight Movement

Ff	**1**	**1**	51/1	Ff/1	33.09	30.00	✓	Straight	Straight Movement
	2	**1**	51/1	Ff/2	33.05	30.00	✓	Straight	Straight Movement
G	**1**	**1**	Gf/1	G/1	16.06	35.00	✓	Offside	96.83
	2	**1**	Gf/2	G/2	11.45	48.00	✓	Offside	93.51
Gf	**1**	**1**	E2/3	Gf/1	2.92	48.00	✓	Straight	Straight Movement
	2	**1**	E2/4	Gf/2	2.88	48.00	✓	Straight	Straight Movement
xA	**1**	**1**	F/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	**1**	F/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
xB	**1**	**1**	54/1	xB/1	7.02	30.00	✓	Nearside	38.82
xC	**1**	**1**	G/1	xC/1	8.67	48.00	✓	Straight	Straight Movement
	2	**1**	G/2	xC/2	8.70	48.00	✓	Straight	Straight Movement
xD	**1**	**1**	Dxp/1	xD/1	9.13	48.00	✓	Nearside	30.26
	2	**1**	Dxp/2	xD/2	9.21	48.00	✓	Nearside	33.58
xE	**1**	**1**	Exp/1	xE/1	13.04	48.00	✓	Straight	Straight Movement
	2	**1**	Exp/2	xE/2	13.04	48.00	✓	Straight	Straight Movement
xF	**1**	**1**	55/1	xF/1	12.33	30.00	✓	Straight	Straight Movement
Cc1	**1**	**1**	B/1	Cc1/1	8.63	40.00	✓	Straight	Straight Movement
E1	**1**	**1**	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	**1**	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96
Gf1	**1**	**1**	Ecf/4	Gf1/1	3.69	48.00	✓	Offside	25.08
Cc2	**2**	**1**	B/1	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	3	**1**	Bc/3	Cc2/3	5.95	54.00	✓	Straight	Straight Movement
	4	**1**	Bc/3	Cc2/4	5.93	54.00	✓	Straight	Straight Movement
	5	**1**	Bc/3	Cc2/5	5.91	54.00	✓	Offside	97.08
E2	**3**	**1**	Ef/2	E2/3	4.00	48.00	✓	Nearside	43.25
	4	**1**	Ef/2	E2/4	4.07	48.00	✓	Nearside	43.25
TC5	**2**	**1**	xA/1	TC5/2	2.76	30.00	✓	Straight	Straight Movement
	3	**1**	xA/2	TC5/3	2.76	30.00	✓	Straight	Straight Movement
	4	**1**	xA/2	TC5/4	2.93	30.00	✓	Straight	Straight Movement
TC9	**1**	**1**	49/1	TC9/1	11.00	30.00	✓	Straight	Straight Movement
	2	**1**	49/2	TC9/2	11.05	30.00	✓	Straight	Straight Movement
	3	**1**	49/2	TC9/3	11.12	30.00	✓	Straight	Straight Movement
TC35	**1**	**1**	xA/1	TC35/1	2.90	30.00	✓	Straight	Straight Movement
TC37	**1**	**1**	TC36/1	TC37/1	3.19	50.00	✓	Nearside	46.04
TC38	**1**	**1**	TC37/1	TC38/1	1.53	50.00	✓	Straight	Straight Movement
TC39	**2**	**1**	TC5/2	TC39/2	2.54	50.00	✓	Straight	Straight Movement
	3	**1**	TC5/3	TC39/3	2.40	50.00	✓	Straight	Straight Movement
TC40	**2**	**1**	TC38/1	TC40/2	4.23	50.00	✓	Nearside	11.92
	3	**1**	TC39/3	TC40/3	4.02	50.00	✓	Offside	77.43

TC41	**1**	**1**	TC36/1	TC41/1	3.93	50.00	✓	Straight	Straight Movement
	2	**1**	TC36/1	TC41/2	3.97	50.00	✓	Straight	Straight Movement
TC43	**1**	**1**	TC9/1	TC43/1	3.74	50.00	✓	Nearside	6.11
47	**1**	**1**	xC/1	47/1	16.04	30.00	✓	Straight	Straight Movement
53	**1**	**1**	49/1	53/1	10.93	30.00	✓	Straight	Straight Movement
54	**1**	**1**	Bcf/1	54/1	3.00	30.00	✓	Nearside	50.43
55	**1**	**1**	Ec/1	55/1	2.40	30.00	✓	Straight	Straight Movement
Acf	**1**	**2**	Fc/3	Acf/1	5.22	48.00	✓	Straight	Straight Movement
	2	**2**	Fc/3	Acf/2	7.24	35.00	✓	Straight	Straight Movement
Af	**1**	**2**	TC9/1	Af/1	6.62	30.00	✓	Straight	Straight Movement
	2	**2**	TC9/2	Af/2	6.60	30.00	✓	Straight	Straight Movement
	3	**2**	TC9/3	Af/3	6.62	30.00	✓	Straight	Straight Movement
Bcf	**1**	**2**	Ac/1	Bcf/1	3.96	57.00	✓	Offside	93.05
	2	**2**	Ac/2	Bcf/2	3.99	57.00	✓	Offside	89.74
	3	**2**	Ac/3	Bcf/3	3.94	57.00	✓	Offside	86.42
	4	**2**	Ac/3	Bcf/4	3.93	57.00	✓	Offside	86.42
D	**1**	**2**	52/1	D/1	4.13	48.00	✓	Straight	Straight Movement
	2	**2**	52/1	D/2	4.13	48.00	✓	Straight	Straight Movement
	3	**2**	52/1	D/3	4.20	48.00	✓	Straight	Straight Movement
Dcf	**1**	**2**	C/1	Dcf/1	4.95	48.00	✓	Nearside	55.54
	2	**2**	C/1	Dcf/2	4.94	48.00	✓	Nearside	55.54
	3	**2**	C/2	Dcf/3	5.15	48.00	✓	Nearside	58.86
	4	**2**	Cc2/3	Dcf/4	8.01	30.00	✓	Straight	Straight Movement
	5	**2**	C/3	Dcf/5	5.02	48.00	✓	Nearside	62.17
Ecf	**1**	**2**	D/1	Ecf/1	3.45	48.00	✓	Nearside	43.36
	2	**2**	D/1	Ecf/2	3.48	48.00	✓	Nearside	43.36
	3	**2**	D/2	Ecf/3	3.52	48.00	✓	Nearside	46.68
	4	**2**	D/3	Ecf/4	3.78	48.00	✓	Nearside	49.99
Fc	**1**	**2**	E1/1	Fc/1	20.61	32.00	✓	Nearside	58.94
	2	**2**	E1/1	Fc/2	20.41	32.00	✓	Nearside	60.85
	3	**2**	E1/2	Fc/3	20.28	32.00	✓	Nearside	64.16
G	**1**	**2**	Gf1/1	G/1	16.06	35.00	✓	Offside	17.91
	2	**2**	Gf1/1	G/2	11.45	48.00	✓	Offside	15.13
xA	**1**	**2**	Fc/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	**2**	Fc/2	xA/2	17.25	48.00	✓	Straight	Straight Movement
xC	**1**	**2**	Cc1/1	xC/1	8.67	48.00	✓	Nearside	56.51
	2	**2**	Cc1/1	xC/2	8.70	48.00	✓	Nearside	57.28
Cc1	**1**	**2**	Bc/1	Cc1/1	6.39	54.00	✓	Straight	Straight Movement
Cc2	**2**	**2**	Bc/2	Cc2/2	6.11	54.00	✓	Straight	Straight Movement
	3	**2**	B/3	Cc2/3	8.03	40.00	✓	Straight	Straight Movement
	4	**2**	B/2	Cc2/4	8.01	40.00	✓	Straight	Straight Movement
	5	**2**	B/4	Cc2/5	7.98	40.00	✓	Straight	Straight Movement

TC39	2	2	TC42/1	TC39/2	2.54	50.00	✓	Offside	9.44
	3	2	TC42/1	TC39/3	2.40	50.00	✓	Offside	9.44
TC40	2	2	TC39/2	TC40/2	4.23	50.00	✓	Offside	80.74
TC43	1	2	TC5/4	TC43/1	3.74	50.00	✓	Offside	21.45
47	1	2	xC/2	47/1	16.04	30.00	✓	Straight	Straight Movement
55	1	2	E1/1	55/1	2.40	30.00	✓	Nearside	35.29
Acf	1	3	Fc/2	Acf/1	5.22	48.00	✓	Straight	Straight Movement
Af	1	3	TC41/1	Af/1	6.62	30.00	✓	Offside	6.19
	2	3	TC41/2	Af/2	6.60	30.00	✓	Offside	6.00
	3	3	TC41/2	Af/3	6.62	30.00	✓	Offside	6.00
Bcf	2	3	Ac/3	Bcf/2	3.99	57.00	✓	Offside	86.42
Dcf	3	3	Cc2/4	Dcf/3	8.23	30.00	✓	Straight	Straight Movement
Ecf	4	3	D/2	Ecf/4	6.04	30.00	✓	Nearside	46.68
xA	2	3	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
Cc2	2	3	B/2	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	4	3	Bc/2	Cc2/4	5.93	54.00	✓	Straight	Straight Movement
Af	1	4	53/1	Af/1	6.62	30.00	✓	Straight	Straight Movement
	2	4	53/1	Af/2	6.60	30.00	✓	Straight	Straight Movement
	3	4	53/1	Af/3	6.62	30.00	✓	Straight	Straight Movement
Cc2	2	4	Bc/1	Cc2/2	6.11	54.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

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

Pedestrian Crossings

Pedestrian Crossings

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

Pedestrian Crossings - Signals

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

Pedestrian Crossings - Sides

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

Pedestrian Crossings - Modelling

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

Local OD Matrix - Local Matrix: 1

Local Matrix Options

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

Normal Input Flows (PCU/hr)

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

Bus Input Flows not shown as they are blank.

Tram Input Flows not shown as they are blank.

Pedestrian Input Flows not shown as they are blank.

Locations

OD Matrix	Location	Name	Entries	Exits	Colour
1	A28	(untitled)	50/1	xB/1	#FF0000
	B28	(untitled)	48/1	47/1	#00FF40
	C28	(untitled)	Df/2, Df/1, 52/1	xD/1, xD/2	#804000
	D28	(untitled)	51/1	xF/1	#FF00FF
	E28	(untitled)	Ef/2, Ef/1	xE/1, xE/2	#FF8000
	F28	(untitled)	TC36/1	TC35/1	#FFA500
	G28	(untitled)	49/2, 49/1	TC40/2, TC40/3	#0000FF
	H28	(untitled)	TC42/1	TC43/1	#008000

Normal Paths and Flows

OD Matrix	Path	Description	From location	To location	Path items	Allocation type	N Cal (P
	24		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	25		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
	32	I1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	
	36		C28	E28	Df/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	
	42		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	43		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
	44		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	45		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	91	I2	C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	
	96		A28	C28	50/1, Bf/1, B/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Disabled	
	98		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	99	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	
	100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Fixed	

101		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	
104	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	
106		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	
109	I3	C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	
114		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	
122		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
123		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
124		E28	C28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
126		D28	C28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
127		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
128		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
129		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
131		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	
132		H28	C28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
133		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
135		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
136		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	
138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	
139		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
141		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
142		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	
149	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	
150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	
152		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
153		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
155		E28	C28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
156		C28	G28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
157		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	
159		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	
167		B28	E28	48/1, Cf/1, C/1, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
169		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	
171		G28	H28	49/1, TC9/1, TC43/1	Normal	
173		F28	E28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
175		G28	C28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	
176		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
178		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
179		F28	E28	TC36/1, TC41/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
182		C28	C28	52/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
183		C28	C28	52/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
184		C28	C28	52/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
185		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	
186		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	
187		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
188		C28	H28	52/1, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
190		C28	C28	52/1, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
192		C28	C28	52/1, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	

	193		C28	C28	52/1, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	194		C28	C28	52/1, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	196		D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	
	197		D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	198		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Fixed	
	199		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
	200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	
	201		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	202		G28	E28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Disabled	
	203		A28	D28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
	204		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	
	205		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	
	206		C28	D28	Df/1, D/1, Ecf/2, Ec/1, 55/1, xF/1	Normal	
	207		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	209		G28	C28	49/1, 53/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Disabled	
	212		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
	213		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	216		G28	B28	49/1, 53/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Fixed	
	217		G28	B28	49/1, 53/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Disabled	
	223		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	225		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	227		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	228		C28	A28	52/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Disabled	
	229		C28	A28	52/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Disabled	
	234	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	235		E28	G28	Ef/1, E1/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	236		E28	H28	Ef/1, E1/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	237		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	238		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Fixed	
	239		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	
	240		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
	241		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
	242		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	243		A28	F28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
1	244		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	245		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	246		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	247		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	248		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
	249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	250		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	251		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	256		C28	C28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	257		C28	H28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	259		C28	C28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	261		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	262		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	263		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	264		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	265		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	266		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	
	267		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Fixed	
	268		F28	C28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
	269		F28	E28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	
	271		F28	E28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	274		F28	C28	TC36/1, TC41/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Disabled	
	275		F28	C28	TC36/1, TC41/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	

276		F28	E28	TC36/1, TC41/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
277		C28	E28	52/1, D/1, Ecf/1, Exp/1, xE/1	Fixed	
279		C28	E28	52/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	
280		C28	G28	52/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Fixed	
281		C28	F28	52/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Fixed	
282		C28	G28	52/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
283		C28	H28	52/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
284		C28	G28	52/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
285		C28	H28	52/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
287		C28	C28	52/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
289		C28	C28	52/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
290		C28	C28	52/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
291		C28	B28	52/1, D/2, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Disabled	
292		C28	B28	52/1, D/2, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Disabled	
293		C28	G28	52/1, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
294		C28	C28	52/1, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
295		C28	C28	52/1, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
296		C28	B28	52/1, D/3, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	
297		C28	B28	52/1, D/3, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Disabled	
298		G28	C28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
299		G28	E28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Disabled	
301		G28	E28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Disabled	
305		G28	C28	49/1, 53/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
306		G28	E28	49/1, 53/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	
308		G28	E28	49/1, 53/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Disabled	
310		G28	C28	49/1, 53/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
311		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, 54/1, xB/1	Normal	
312		G28	A28	49/1, 53/1, Af/1, A/1, Bcf/1, 54/1, xB/1	Fixed	
316		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Fixed	
317		C28	A28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Normal	
318		C28	A28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Fixed	
319		C28	A28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Normal	
320		C28	A28	52/1, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Disabled	
321		C28	A28	52/1, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Fixed	
322		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Fixed	
323		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Normal	
324		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Normal	
325		H28	A28	TC42/1, Af/1, A/1, Bcf/1, 54/1, xB/1	Normal	
326		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, 54/1, xB/1	Normal	
327		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
328		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
329		G28	D28	49/1, 53/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Fixed	
330		G28	D28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Disabled	
331		G28	D28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Disabled	
332		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
333		B28	D28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
334		C28	D28	52/1, D/1, Ecf/2, Ec/1, 55/1, xF/1	Fixed	
335		E28	D28	Ef/1, E1/1, 55/1, xF/1	Normal	
336		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
337		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
338		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
339		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
340		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
341		F28	D28	TC36/1, TC41/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Disabled	
342		F28	D28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Fixed	
343		F28	D28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
397		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	
398		G28	G28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	

	399		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	
	400		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	401		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Normal	
	402		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Normal	
	403		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	404		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	405		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Fixed	
	406		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Normal	
	407		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	
	408		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	
	409		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	410		F28	H28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	411		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	412		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	
	413		G28	G28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	414		G28	F28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Fixed	
	415		G28	G28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	
	416		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Fixed	
	417		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	418		A28	H28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	419		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	420		B28	F28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	421		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	422		B28	H28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	423		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	424		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	425		F28	F28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	426		F28	H28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	

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	✓	✓	Offsets And Green Splits		

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 11

		To	
		A	B
From	A		5
	B	5	

Banned Stage transitions for Controller Stream 11

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 11

		To	
		1	2
From	1	0	5
	2	5	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
11	1	✓	1	A	0	7	7	1	7
	2	✓	2	B	12	115	103	1	7

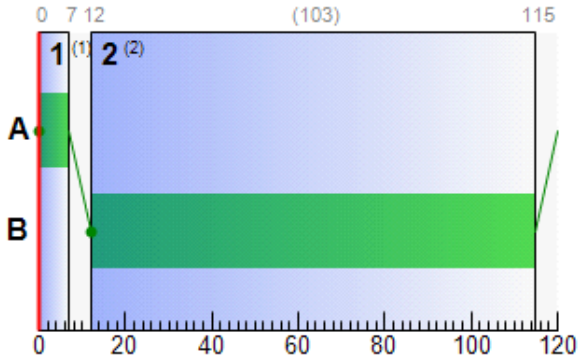
Resultant Phase Green Periods

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

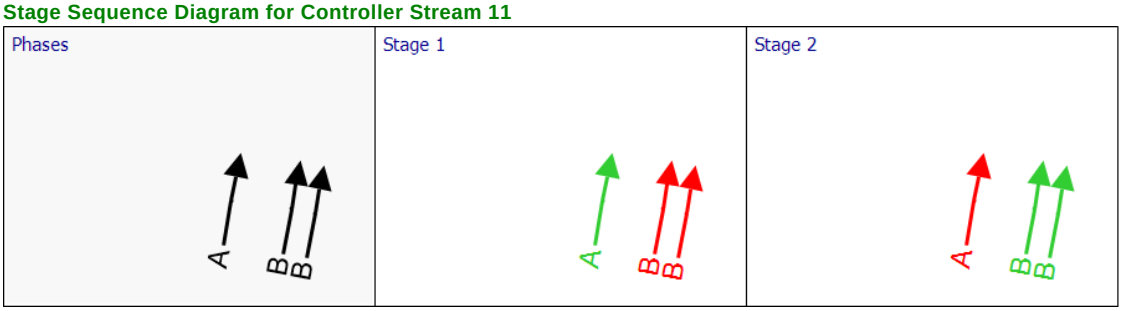
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 11



Stage Sequence Diagram for Controller Stream 11



Controller Stream 12

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

Controller Stream 12 - Properties

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

Controller Stream 12 - Optimisation

Controller Stream	Allow offset optimisation	Allow green split optimisation	Optimisation level	Auto redistribute	Enable stage constraint
12	✓	✓	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)
12	A	(untitled)	7	300	0	0	Unknown	
	B	(untitled)	6	300	0	0	Pedestrian	3

Library Stages

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

Losing / Gaining Phase Delays

Controller Stream	Delay	Type	Phase	From stage	To stage	Relative delay
12	1	Losing	A	1	2	5

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
12	1	(untitled)	Single	1, 2	87, 103

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	10
	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	108	87	99	1	2
	2	✓	2	B	97	103	6	1	6

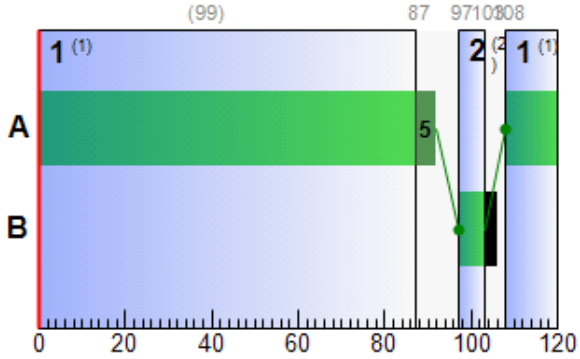
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
12	A	1	✓	108	92	104
	B	1	✓	97	103	6

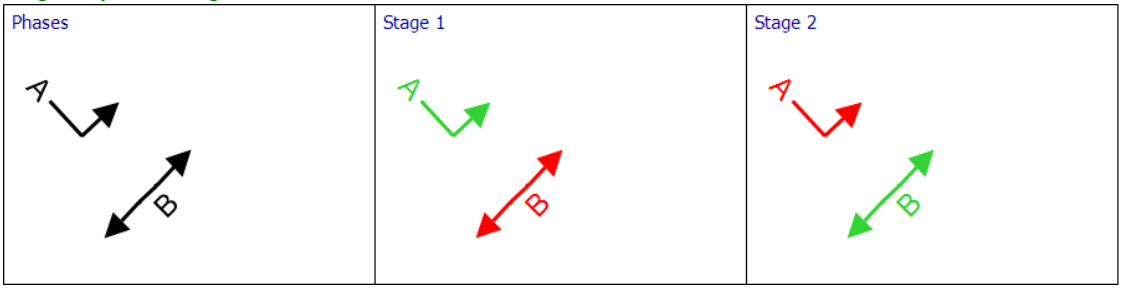
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
54	1	6	12	A	108	92	104			

Phase Timings Diagram for Controller Stream 12



Stage Sequence Diagram for Controller Stream 12



Controller Stream 13

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

Controller Stream 13 - Properties

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

Controller Stream 13 - Optimisation

Controller Stream	Allow offset optimisation	Allow green split optimisation	Optimisation level	Auto redistribute	Enable stage constraint
13	✓	✓	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)
13	A	(untitled)	7	300	0	0	Traffic	
	B	(untitled)	6	300	0	0	Pedestrian	3

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 13

		To	
		A	B
From	A		5
	B	5	

Banned Stage transitions for Controller Stream 13

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 13

		To	
		1	2
From	1	0	5
	2	5	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
13	1	✓	1	A	44	28	104	1	7
	2	✓	2	B	33	39	6	1	6

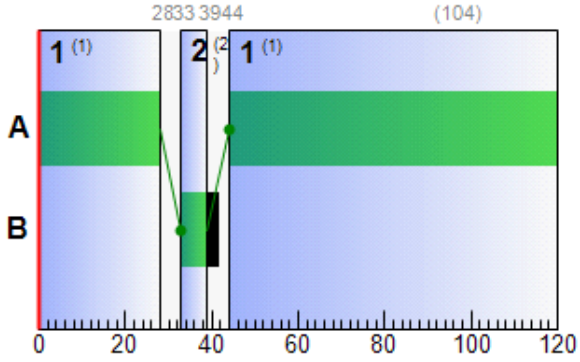
Resultant Phase Green Periods

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

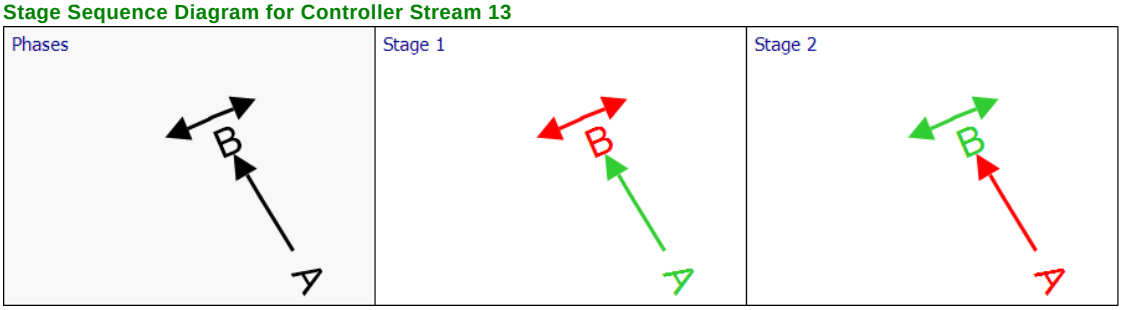
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 13



Stage Sequence Diagram for Controller Stream 13



Controller Stream 769-1

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

Controller Stream 769-1 - Properties

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

Controller Stream 769-1 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 769-1

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

Banned Stage transitions for Controller Stream 769-1

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 769-1

		To	
		1	2
From	1	0	7
	2	5	0

Resultant Stages

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

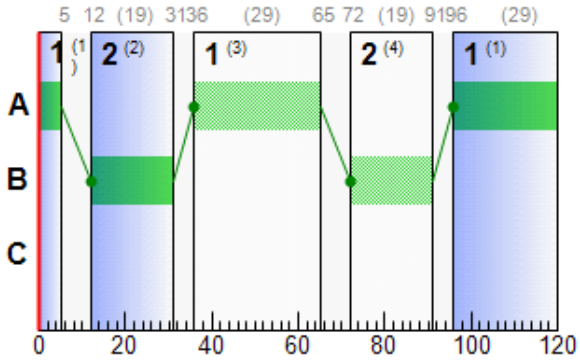
Resultant Phase Green Periods

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

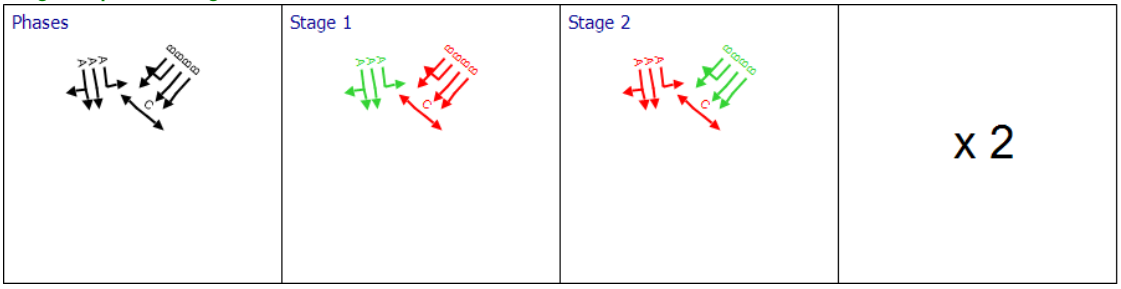
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 769-1



Stage Sequence Diagram for Controller Stream 769-1



Controller Stream 769-2

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

Controller Stream 769-2 - Properties

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

Controller Stream 769-2 - Optimisation

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

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 769-2

		To							
		D	E	F	G	H	I	J	K
From	D			5	7			5	
	E			5					5
	F	6	8			8			
	G	4					5		
	H			5					
	I				9				
	J	12							
	K		7						

Banned Stage transitions for Controller Stream 769-2

		To		
		4	5	6
From	4			
	5			
	6			

Interstage Matrix for Controller Stream 769-2

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

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
769-2	1	✓	4	D,E,H,I	97	4	27	1	3
	2	✓	5	F,G,J,K	15	23	8	1	8
	3		4	D,E,H,I	37	64	27	1	3
	4		5	F,G,J,K	75	83	8	1	8

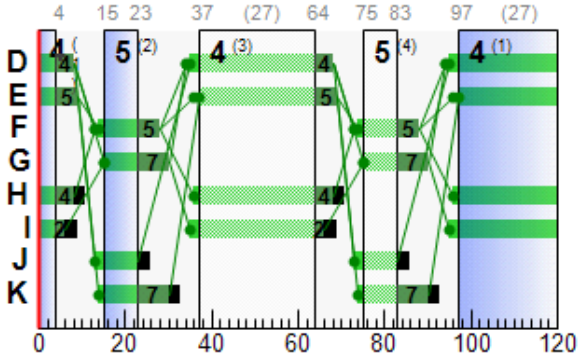
Resultant Phase Green Periods

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

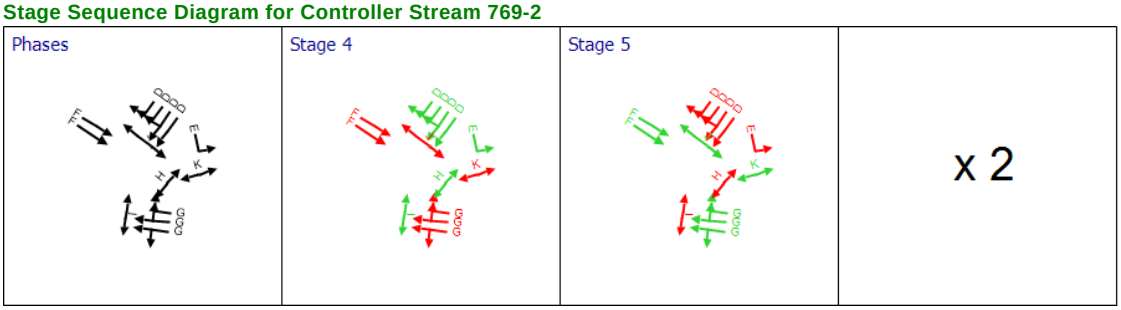
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
C	1	2	769-2	G	15	30	15	75	90	15
C	2	2	769-2	G	15	30	15	75	90	15
C	3	2	769-2	G	15	30	15	75	90	15
G	1	2	769-2	F	14	28	14	74	88	14
G	2	2	769-2	F	14	28	14	74	88	14
Cc1	1	2	769-2	E	37	69	32	97	9	32
Cc2	2	2	769-2	D	35	68	33	95	8	33
Cc2	3	2	769-2	D	35	68	33	95	8	33
Cc2	4	2	769-2	D	35	68	33	95	8	33
Cc2	5	2	769-2	D	35	68	33	95	8	33

Phase Timings Diagram for Controller Stream 769-2



Stage Sequence Diagram for Controller Stream 769-2



Controller Stream 770-1

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

Controller Stream 770-1 - Properties

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

Controller Stream 770-1 - Optimisation

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

Phases

Controller Stream	Phase	Name	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type	Blackout Time (s)
770-1	A	(untitled)	7	300	0	0	Traffic	
	B	(untitled)	7	300	0	0	Traffic	
	C	(untitled)	5	300	0	0	Pedestrian	3

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Equal length multiple cycling	Stage IDs	Stage ends	Multiple cycling stage IDs	Multiple cycling stage ends
770-1	1	(untitled)	Double	✓	1, 2	9, 36	1, 2	69, 96

Intergreen Matrix for Controller Stream 770-1

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

Banned Stage transitions for Controller Stream 770-1

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 770-1

		To	
		1	2
From	1	0	7
	2	5	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
770-1	1	✓	1	A,C	101	9	28	1	5
	2	✓	2	B	16	36	20	1	7
	3		1	A,C	41	69	28	1	5
	4		2	B	76	96	20	1	7

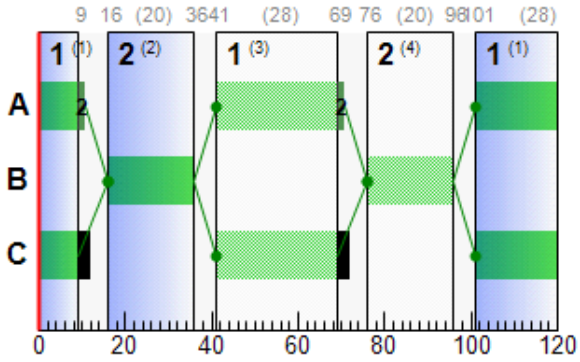
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
770-1	A	1		41	71	30
		2	✓	101	11	30
	B	1	✓	16	36	20
		2		76	96	20
	C	1		41	69	28
		2	✓	101	9	28

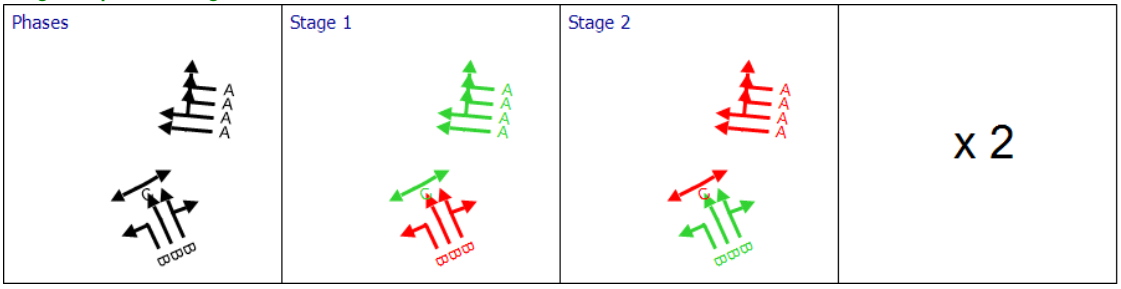
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
D	1	3	770-1	B	16	36	20	76	96	20
D	2	3	770-1	B	16	36	20	76	96	20
D	3	3	770-1	B	16	36	20	76	96	20
Dc	1	3	770-1	A	41	71	30	101	11	30
Dc	2	3	770-1	A	41	71	30	101	11	30
Dc	3	3	770-1	A	41	71	30	101	11	30
Dc	4	3	770-1	A	41	71	30	101	11	30

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

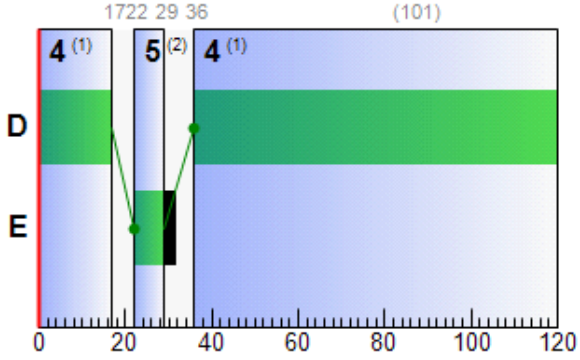
Resultant Phase Green Periods

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

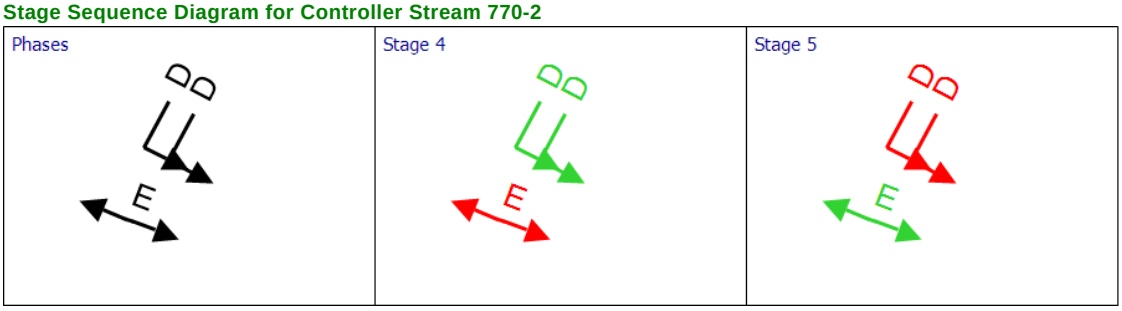
Traffic Stream Green Times

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

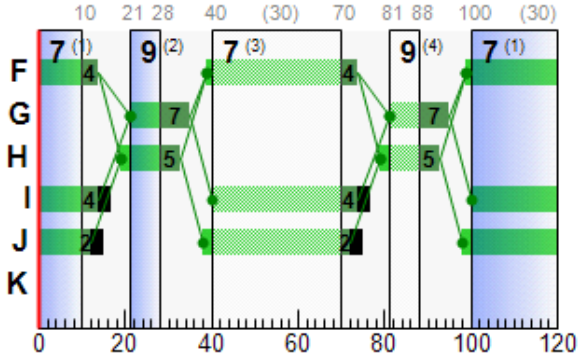
Resultant Phase Green Periods

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

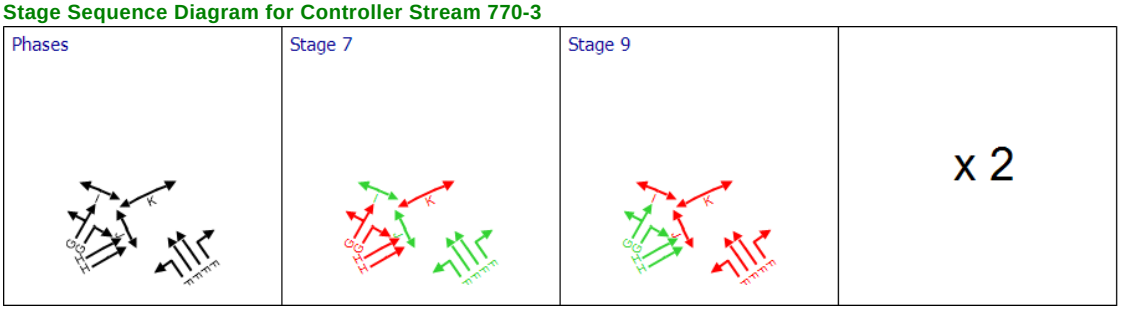
Traffic Stream Green Times

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

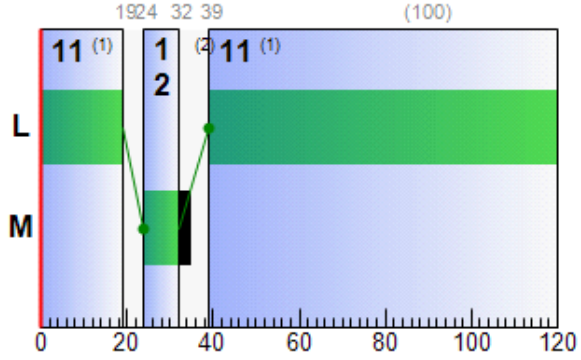
Resultant Phase Green Periods

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

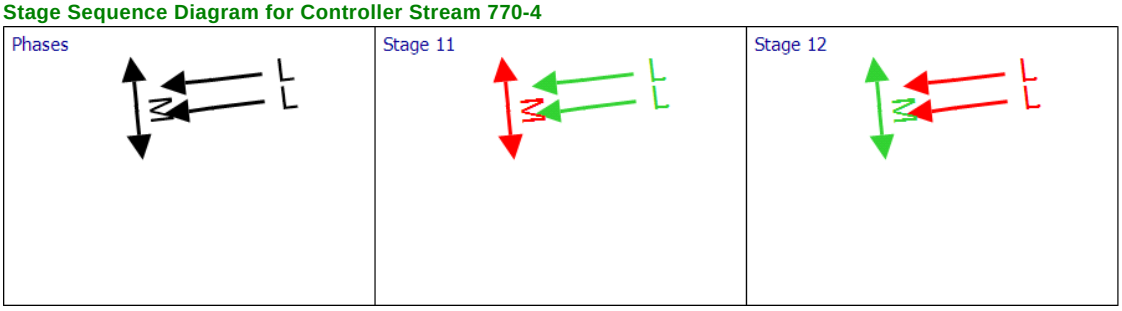
Traffic Stream Green Times

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	19, 40	1, 3	79, 100

Intergreen Matrix for Controller Stream 771-1

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

Banned Stage transitions for Controller Stream 771-1

		To		
		1	2	3
From	1			
	2			
	3			

Interstage Matrix for Controller Stream 771-1

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

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
771-1	1	✓	1	A,C	105	19	34	1	9
	2	✓	3	B	30	40	10	1	7
	3		1	A,C	45	79	34	1	9
	4		3	B	90	100	10	1	7

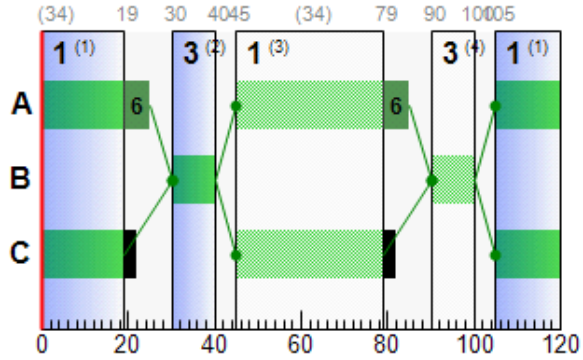
Resultant Phase Green Periods

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

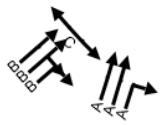
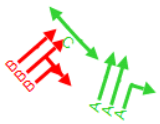
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 771-1



Stage Sequence Diagram for Controller Stream 771-1

Phases	Stage 1	Stage 3	
			x 2

Controller Stream 771-2

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

Controller Stream 771-2 - Properties

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

Controller Stream 771-2 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 771-2

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

Banned Stage transitions for Controller Stream 771-2

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

Interstage Matrix for Controller Stream 771-2

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

Resultant Stages

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

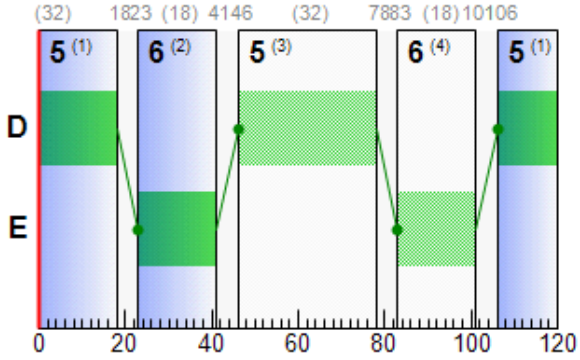
Resultant Phase Green Periods

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

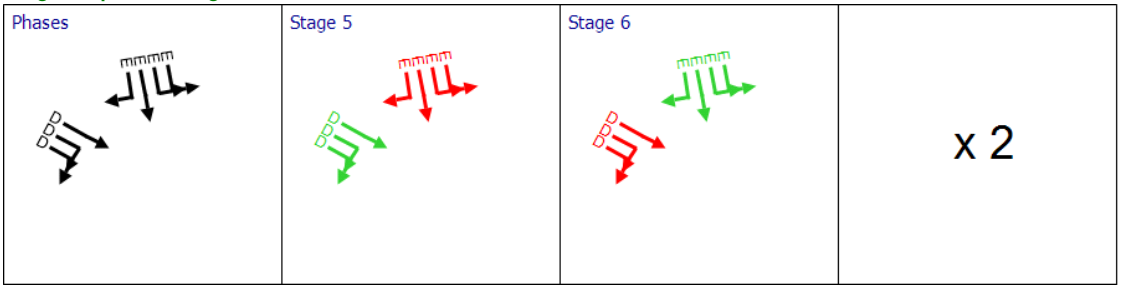
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 771-2



Stage Sequence Diagram for Controller Stream 771-2



Controller Stream TC777-1

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

Controller Stream TC777-1 - Properties

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

Controller Stream TC777-1 - Optimisation

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

Phases

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

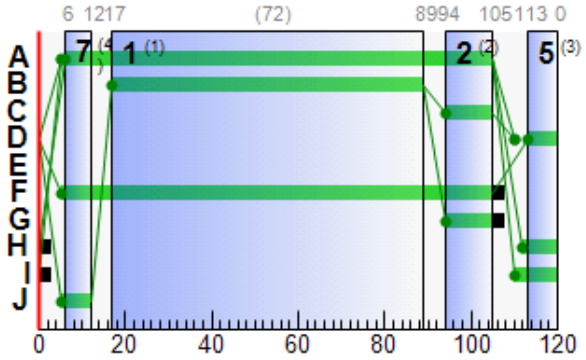
Resultant Phase Green Periods

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

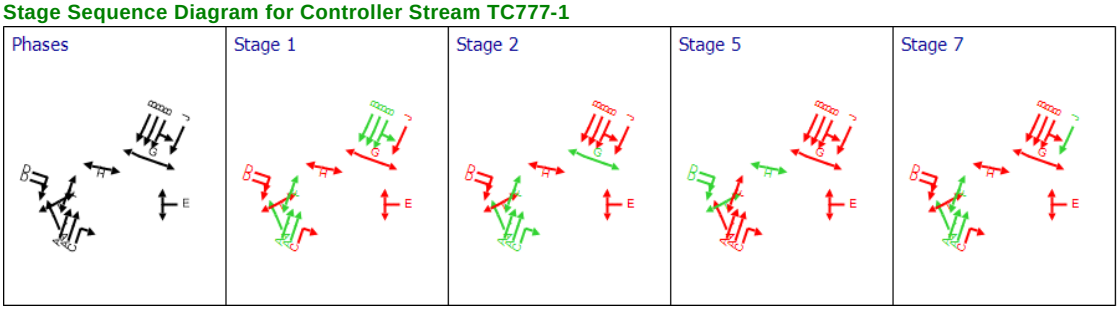
Traffic Stream Green Times

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						
53	1	TC771-6	TC777-1	J	5	12	7			

Phase Timings Diagram for Controller Stream TC777-1



Stage Sequence Diagram for Controller Stream TC777-1



Controller Stream TC777-2

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

Controller Stream TC777-2 - Properties

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

Controller Stream TC777-2 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream TC777-2

		To	
		J	K
From	J		5
	K	5	

Banned Stage transitions for Controller Stream TC777-2

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream TC777-2

		To	
		1	2
From	1	0	5
	2	5	0

Resultant Stages

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

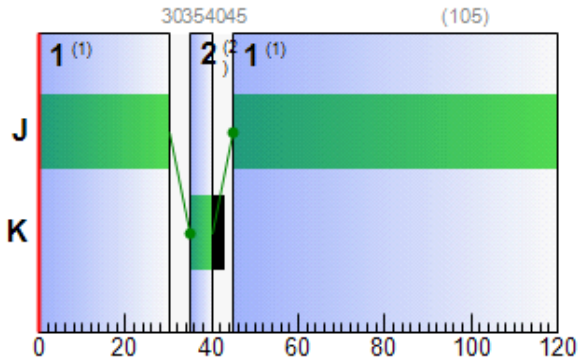
Resultant Phase Green Periods

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

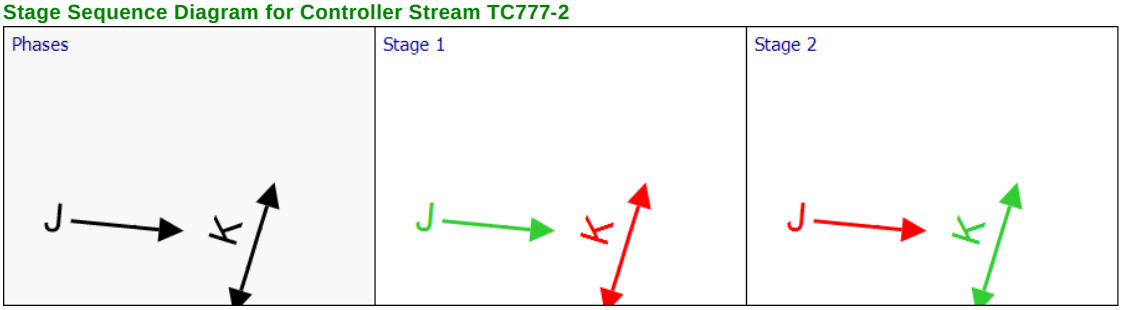
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream TC777-2



Stage Sequence Diagram for Controller Stream TC777-2



Resultant penalties

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

Results - Link

Results - Traffic Stream

Results - Traffic Stream: Vehicle summary

Time Segment	Arm	Traffic Stream	Name	Phase	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Calculated capacity (PCU/hr)	Degree of saturation (%)	Practical reserve capacity (%)	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	JourneyTime (s)
	A	1	(untitled)	E	402	2050	36	649	62	45	17.20	5.34	41.17	22.79
		2	(untitled)	E	220	2050	36	649	34	166	12.53	2.72	20.34	18.30
		3	(untitled)	E	417	2050	36	649	64	40	14.33	5.60	40.99	20.23
		4	(untitled)	E	374	2050	36	649	58	56	14.29	3.98	28.51	20.32
	Ac	1	(untitled)	D	1027	2263	64	1245	83	9	13.42	6.82	40.94	20.61
		2	(untitled)	D	214	2263	64	1227	17	416	2.15	3.51	21.88	11.65
		3	(untitled)	D	382	2263	64	1245	31	193	2.78	5.27	34.48	9.37
	Acf	1	(untitled)		1241	2263	120	2263	55	64	0.96	0.33	2.75	6.18
		2	(untitled)		382	2263	120	2263	17	433	0.16	0.02	0.14	7.40
	Af	1	(untitled)		622	2050	120	2050	30	197	0.38	0.07	0.69	7.00
		2	(untitled)		417	2050	120	2050	20	342	0.22	0.03	0.27	6.82
		3	(untitled)		374	2050	120	2050	18	393	0.20	0.02	0.21	6.82
	B	1	(untitled)	B	396	2050	38	683	58	55	20.14	5.32	32.31	27.24
		2	(untitled)	B	368	2150	38	710	52	74	18.89	4.93	29.19	26.18
		3	(untitled)	B	566	2100	38	546	104	-13	165.02	32.51	187.48	172.50
		4	(untitled)	B	503	2050	38	683	74	22	24.88	7.75	43.53	37.17
	Bc	1	(untitled)	A	434	2050	58	1025	42	113	6.46	2.09	9.04	18.41
		2	(untitled)	A	720	2050	58	996	72	25	12.32	9.03	39.49	24.15
		3	(untitled)	A	453	2050	58	617	73	23	17.11	7.06	31.19	28.82
	Bcf	1	(untitled)		1429	2263	120	2263	63	43	1.36	0.54	4.95	5.53
		2	(untitled)		434	2263	120	2263	19	369	0.19	0.02	0.21	5.54
		3	(untitled)		720	2263	120	2263	32	183	0.37	0.07	0.68	5.85
		4	(untitled)		453	2263	120	2263	20	350	0.20	0.03	0.23	6.33
	Bf	1	(untitled)		764	1800	120	1800	42	112	0.74	0.16	0.39	28.07
		2	(untitled)		1069	1800	120	1800	59	52	1.46	0.43	1.09	28.87
	C	1	(untitled)	G	551	2100	30	560	98	-9	91.74	19.74	93.69	106.27
		2	(untitled)	G	572	2200	30	587	98	-8	122.52	27.52	129.34	137.21
		3	(untitled)	G	367	2050	30	547	67	34	26.44	5.77	26.69	41.37
	Cf	1	(untitled)		551	1965	120	1965	28	221	0.36	0.05	0.22	17.71
		2	(untitled)		939	1965	120	1965	48	88	0.84	0.22	0.86	18.34
		1	(untitled)	B	384	2050	40	718	53	68	25.84	5.12	53.58	29.96

	D	2	(untitled)	B	648	1850	40	648	100	-10	101.04	21.52	224.95	105.17
		3	(untitled)	B	755	2250	40	755	100	-10	92.81	22.53	231.51	97.01
	Dc	1	(untitled)	A	943	2100	60	1085	87	4	19.86	9.68	109.86	23.66
		2	(untitled)	A	788	2100	60	1085	73	24	13.79	7.88	92.94	17.44
		3	(untitled)	A	731	2100	60	731	100	-10	87.43	20.29	249.24	93.05
		4	(untitled)	A	870	2100	60	968	90	0	23.83	10.88	139.43	29.21
	Dcf	1	(untitled)		894	2050	120	2050	44	106	0.68	0.17	1.47	5.62
		2	(untitled)		1210	2100	120	1455	83	8	12.48	10.85	94.62	17.42
		3	(untitled)		788	2100	120	1635	48	87	3.68	5.73	48.02	9.13
		4	(untitled)		731	2100	120	731	100	-10	81.27	22.79	196.40	88.52
		5	(untitled)		870	2100	120	1761	49	82	4.74	9.63	82.75	9.76
	Df	1	(untitled)	B	1351	1900	103	1017	133	-32	458.99	202.00	580.75	482.99
		2	(untitled)	B	820	2250	103	755	109	-17	178.92	49.98	143.68	202.92
	Dxp	1	(untitled)	D	894	2050	101	1743	51	75	1.41	1.60	19.77	4.91
		2	(untitled)	D	267	2050	101	1743	15	487	0.47	0.22	2.57	4.12
	Ec	1	(untitled)	F	711	2150	70	1290	55	63	6.65	4.99	57.28	10.40
		2	(untitled)	F	1328	2263	70	1328	100	-10	54.77	24.69	293.09	58.40
		3	(untitled)	F	1097	2263	70	1358	81	11	7.83	5.29	65.07	11.34
		4	(untitled)	F	545	2250	70	1350	40	123	11.77	7.01	87.77	15.21
	Ecf	1	(untitled)		1066	2100	120	2096	51	77	0.90	4.91	61.42	4.35
		2	(untitled)		1049	2100	120	2100	50	80	0.85	0.25	3.09	4.33
		3	(untitled)		1328	2263	120	1558	85	6	11.43	9.07	111.11	14.95
		4	(untitled)		1675	2300	120	1962	85	5	6.83	8.22	93.89	10.67
	Ef	1	(untitled)		841	1900	120	1900	44	103	0.75	0.18	0.79	16.06
		2	(untitled)		471	1900	120	1900	25	263	0.31	0.04	0.18	15.62
	Exp	1	(untitled)	L	1066	2050	100	1725	62	46	2.43	5.18	57.51	6.32
		2	(untitled)	L	338	2050	100	1725	20	360	0.26	2.34	25.08	4.28
07:30-08:30	F	1	(untitled)	B	368	2100	20	385	96	-6	80.79	11.23	75.89	87.18
		2	(untitled)	B	213	2100	20	385	55	63	28.02	3.36	22.52	34.44
		3	(untitled)	B	310	2100	20	385	81	12	41.66	6.24	41.11	48.21
	Fc	1	(untitled)	A	1546	2263	80	1546	100	-10	52.44	49.61	155.70	71.53
		2	(untitled)	A	1141	2263	80	1463	78	15	10.35	11.62	36.83	29.08
		3	(untitled)	A	1073	2263	80	1530	70	28	5.80	18.68	59.58	25.20
	Ff	1	(untitled)		581	1900	120	1900	31	194	0.42	0.07	0.14	33.50
		2	(untitled)		310	1900	120	1900	16	452	0.18	0.02	0.03	33.23
	G	1	(untitled)	F	339	2050	28	488	69	30	45.32	6.43	23.66	61.39
		2	(untitled)	F	165	2050	28	500	33	172	40.95	2.84	10.69	52.40
	Gf	1	(untitled)		336	2050	120	2050	16	449	0.18	2.34	34.56	3.09
		2	(untitled)		135	2050	120	2048	7	1265	0.08	2.32	34.71	2.96
	xA	1	(untitled)		1724	2263	120	2154	80	12	5.12	24.90	62.34	22.34
		2	(untitled)		1304	2263	120	2199	59	52	1.45	5.10	12.76	18.70
	xB	1	(untitled)		1429	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	7.02
	xC	1	(untitled)		553	1900	120	1198	46	95	6.74	9.49	47.18	15.41
		2	(untitled)		359	1900	120	1296	28	225	3.23	4.72	23.41	11.92
	xD	1	(untitled)		894	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
		2	(untitled)		267	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
	xE	1	(untitled)		1066	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		338	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	xF	1	(untitled)		762	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.33
	Cc1	1	(untitled)	E	408	2050	64	1128	36	149	7.22	2.63	15.78	13.87
	E1	1	(untitled)	G	313	2050	28	513	61	47	25.37	4.56	32.78	31.37
		2	(untitled)	G	528	2200	28	550	96	-6	68.44	14.48	104.04	74.44
	Gf1	1	(untitled)		33	678	120	678	5	1741	1.81	0.23	2.73	5.50
	Cc2	2	(untitled)	D	812	2150	66	1185	69	31	14.93	11.01	69.15	21.96
		3	(untitled)	D	878	2050	66	878	100	-10	88.44	29.54	190.34	95.68
		4	(untitled)	D	819	2150	66	819	100	-10	85.16	26.23	169.54	92.02
		5	(untitled)	D	503	2050	66	1162	43	108	16.88	11.76	76.29	24.86

	E2	3	(untitled)	H	336	2150	28	524	64	40	26.25	5.25	56.69	30.24
		4	(untitled)	H	135	2050	28	513	26	242	19.34	2.37	25.04	23.41
	TC5	2	(untitled)	A	1174	2263	99	1905	62	46	2.53	3.39	84.68	5.29
		3	(untitled)	A	1304	2263	99	1905	68	31	2.45	3.55	88.72	5.22
		4	(untitled)	C	0	1800	11	180	0	Unrestricted	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	519	1925	72	1203	43	109	12.69	8.23	51.62	23.69
		2	(untitled)	B	397	1966	72	1229	32	179	11.27	5.97	37.27	22.33
		3	(untitled)	B	301	1947	72	1217	25	264	10.47	4.14	25.67	21.59
	TC35	1	(untitled)	A	550	1900	99	1599	34	162	2.51	2.62	62.46	5.41
	TC36	1	(untitled)		226	1800	120	1800	13	617	0.14	0.01	0.21	3.17
	TC37	1	(untitled)	J	40	1850	105	1634	2	3577	0.90	0.16	2.02	4.09
	TC38	1	(untitled)		40	243	120	243	16	446	4.86	2.43	65.58	6.39
	TC39	2	(untitled)		1174	2263	120	2263	52	74	0.86	0.28	4.55	3.39
		3	(untitled)		1304	2263	120	2263	58	56	1.08	0.39	6.76	3.48
	TC40	2	(untitled)		1214	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		1304	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	93	1850	7	123	75	19	95.08	3.98	41.89	99.02
		2	(untitled)	D	93	1850	7	123	75	19	95.08	3.98	41.55	99.05
	TC42	1	(untitled)	E	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC43	1	(untitled)		0	1800	120	1800	0	Unrestricted	0.00	0.00	0.00	0.00
	47	1	(untitled)		912	1300	120	1300	70	28	3.23	0.82	3.52	19.27
	48	1	(untitled)		1490	1965	120	1965	76	19	2.85	1.18	12.31	9.46
	49	1	(untitled)		529	1900	120	1900	28	223	0.37	0.05	1.18	3.51
		2	(untitled)		698	1900	120	1900	37	145	0.55	0.11	2.34	3.70
	50	1	(untitled)		1833	1900	120	1900	96	-7	19.55	9.95	118.88	25.33
	51	1	(untitled)		891	1900	120	1900	47	92	0.84	0.21	3.17	5.33
	52	1		A	14	1800	7	73	19	369	59.60	0.47	1.36	83.60
	53	1		J	10	1800	7	120	8	980	54.09	0.31	1.99	65.02
	54	1		A	1429	1800	104	1575	91	-1	13.52	29.23	672.21	16.52
	55	1		A	762	1800	104	1575	48	86	2.52	11.01	316.67	4.92

Data Entry - Stage Start and End

Resultant Stage

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
11	1	✓	1	A	0	7	7	1	7
	2	✓	2	B	12	115	103	1	7
12	1	✓	1	A	108	87	99	1	2
	2	✓	2	B	97	103	6	1	6
13	1	✓	1	A	44	28	104	1	7
	2	✓	2	B	33	39	6	1	6
769-1	1	✓	1	A	96	5	29	1	7
	2	✓	2	B	12	31	19	1	7
	3		1	A	36	65	29	1	7
	4		2	B	72	91	19	1	7
769-2	1	✓	4	D,E,H,I	97	4	27	1	3
	2	✓	5	F,G,J,K	15	23	8	1	8
	3		4	D,E,H,I	37	64	27	1	3
	4		5	F,G,J,K	75	83	8	1	8
770-1	1	✓	1	A,C	101	9	28	1	5
	2	✓	2	B	16	36	20	1	7
	3		1	A,C	41	69	28	1	5
	4		2	B	76	96	20	1	7
770-2	1	✓	4	D	36	17	101	1	7
	2	✓	5	E	22	29	7	1	5
770-3	1	✓	7	F,I,J	100	10	30	1	2
	2	✓	9	G,H	21	28	7	1	1
	3		7	F,I,J	40	70	30	1	2
	4		9	G,H	81	88	7	1	1
770-4	1	✓	11	L	39	19	100	1	7
	2	✓	12	M	24	32	8	1	6
771-1	1	✓	1	A,C	105	19	34	1	9
	2	✓	3	B	30	40	10	1	7
	3		1	A,C	45	79	34	1	9
	4		3	B	90	100	10	1	7
771-2	1	✓	5	D	106	18	32	1	7
	2	✓	6	E	23	41	18	1	7
	3		5	D	46	78	32	1	7
	4		6	E	83	101	18	1	7
TC777-1	1	✓	1	A,B,F	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	7	300	0	0	Traffic
12	A	A	7	300	0	0	Unknown
	B	B	6	300	0	0	Pedestrian
13	A	A	7	300	0	0	Traffic
	B	B	6	300	0	0	Pedestrian
769-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	7	300	0	0	Pedestrian
769-2	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	4	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	5	300	0	0	Pedestrian
	I	I	7	300	0	0	Pedestrian
	J	J	10	300	0	0	Pedestrian
	K	K	5	300	0	0	Pedestrian
770-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	5	300	0	0	Pedestrian
770-2	D	D	7	300	0	0	Traffic
	E	E	5	300	0	0	Pedestrian
770-3	F	F	7	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	4	300	0	0	Traffic
	I	I	5	300	0	0	Pedestrian
	J	J	5	300	0	0	Pedestrian
	K	K	10	300	0	0	Pedestrian
770-4	L	L	7	300	0	0	Traffic
	M	M	6	300	0	0	Pedestrian
771-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	9	300	0	0	Pedestrian
771-2	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
TC777-1	A	A	7	300	0	1	Traffic
	B	B	7	300	0	2	Traffic
	C	C	7	300	0	0	Traffic
	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	5	300	0	0	Pedestrian
	G	G	7	300	0	0	Pedestrian
	H	H	6	300	0	0	Pedestrian
	I	I	5	300	0	0	Pedestrian
	J	J	7	300	0	0	Traffic
TC777-2	J	J	7	300	0	0	Traffic
	K	K	5	300	0	0	Pedestrian

Data Entry - Traffic Stream

Traffic Stream

Arm	Traffic Stream	Auto length	Length (m)	Traffic model	Max queue storage (PCU)	Traffic type	Has Saturation Flow	Is signal controlled	Is give way	Saturation flow source	Saturation flow (PCU/hr)	Delay weighting multiplier (%)	Stop weighting multiplier (%)
A	1	✓	74.52	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	76.88	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	78.61	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	4	✓	80.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ac	1	✓	95.80	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	2	✓	92.34	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	87.95	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
Acf	1	✓	69.59	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	70.42	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Af	1	✓	55.14	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	54.98	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	55.19	CTM	0.00	Normal	✓			Directly entered	2050	100	100
B	1	✓	94.67	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	97.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	99.69	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	4	✓	102.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Bc	1	✓	132.85	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	131.47	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	130.10	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Bcf	1	✓	62.67	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	63.14	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.35	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	62.25	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Bf	1	✓	227.81	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
	2	✓	228.44	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
C	1	✓	121.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	122.36	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Cf	1	✓	144.60	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
	2	✓	145.86	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
D	1		55.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2		55.00	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100

	3	✓	55.95	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	100
Dc	1	✓	50.67	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	48.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	46.80	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	4	✓	44.85	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
Dcf	1	✓	65.95	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	65.92	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	68.61	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	66.73	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	66.90	CTM	0.00	Normal	✓			Directly entered	2100	100	100
Df	1		200.00	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1900	100	100
	2		200.00	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2250	100	100
Dxp	1	✓	46.62	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	48.64	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ec	1	✓	50.09	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	46.77	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	4	✓	45.93	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	100
Ecf	1	✓	45.94	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	2	✓	46.37	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	46.93	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	50.37	CTM	0.00	Normal	✓			Directly entered	2300	100	100
Ef	1	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	1	✓	51.83	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.71	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	1	✓	85.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	87.25	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
Fc	1	✓	183.21	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	2	✓	181.45	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	180.28	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
Ff	1	✓	275.73	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
	2	✓	275.39	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100

G	1	✓	156.15	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	152.60	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Gf	1	✓	38.89	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	38.45	CTM	0.00	Normal	✓			Directly entered	2050	100	100
xA	1	✓	229.66	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	229.97	CTM	0.00	Normal	✓			Directly entered	2263	100	100
xB	1	✓	58.47	NetworkDefault	0.00	Normal						100	100
xC	1	✓	115.60	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
	2	✓	115.98	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
xD	1	✓	121.71	NetworkDefault	0.00	Normal						100	100
	2	✓	122.74	NetworkDefault	0.00	Normal						100	100
xE	1	✓	173.89	NetworkDefault	0.00	Normal						100	100
	2	✓	173.83	NetworkDefault	0.00	Normal						100	100
xF	1	✓	102.75	NetworkDefault	0.00	Normal						100	100
Cc1	1	✓	95.84	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E1	1		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
Gf1	1	✓	49.26	NetworkDefault	0.00	Normal			✓			100	100
Cc2	2	✓	91.58	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	89.25	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	4	✓	88.96	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	5	✓	88.65	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E2	3	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
TC5	2	✓	23.03	CTM	0.00	Normal	✓	✓		Sum of lanes	2263	100	100
	3	✓	23.02	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	4	✓	24.43	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
TC9	1	✓	91.71	CTM	0.00	Normal	✓	✓		Directly entered	1925	100	100
	2	✓	92.11	CTM	0.00	Normal	✓	✓		Sum of lanes	1966	100	100
	3	✓	92.69	CTM	0.00	Normal	✓	✓		Sum of lanes	1947	100	100
TC35	1	✓	24.16	CTM	0.00	Normal	✓	✓		Directly entered	1900	100	100
TC36	1	✓	25.22	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
TC37	1	✓	44.32	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
TC38	1	✓	21.32	CTM	0.00	Normal	✓		✓	Directly entered	1850	100	100
TC39	2	✓	35.24	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	33.28	CTM	0.00	Normal	✓			Directly entered	2263	100	100
TC40	2	✓	58.74	PDM	0.00	Normal						100	100
	3	✓	55.82	PDM	0.00	Normal						100	100

TC41	**1**	✓	54.63	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
	2	✓	55.07	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
TC42	**1**	✓	23.35	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1771	100	100
TC43	**1**	✓	52.01	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
47	**1**	✓	133.63	CTM	0.00	Normal	✓			Directly entered	1300	100	100
48	**1**	✓	55.12	NetworkDefault	0.00	Normal	✓			Sum of lanes	1965	100	100
49	**1**	✓	26.24	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	26.24	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
50	**1**	✓	48.15	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
51	**1**	✓	37.47	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
52	**1**		200.00	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
53	**1**	✓	91.05	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
54	**1**		25.00	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
55	**1**		20.00	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	100

Data entry - Link

Results - Pedestrian

Pedestrian Crossings: Pedestrian summary

Time Segment	Pedestrian crossing	Side	Calculated Flow Entering (Ped/hr)	Degree of saturation (%)	Actual green (s (per cycle))	Mean Delay Per Ped (s)	Mean max queue (Ped)
07:30-08:30	1	1	0	0	7	0.00	0.00
		2	0	0	7	0.00	0.00
	2	1	0	0	56	0.00	0.00
		2	0	0	56	0.00	0.00
	3	1	0	0	8	0.00	0.00
		2	0	0	8	0.00	0.00
	4	1	0	0	68	0.00	0.00
		2	0	0	68	0.00	0.00
	5	1	0	0	68	0.00	0.00
		2	0	0	68	0.00	0.00
	6	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	7	1	0	0	68	0.00	0.00
		2	0	0	68	0.00	0.00
	8	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	9	1	0	0	20	0.00	0.00
		2	0	0	20	0.00	0.00
	10	1	0	0	32	0.00	0.00
		2	0	0	32	0.00	0.00
	11	1	0	0	64	0.00	0.00
		2	0	0	64	0.00	0.00
	12	1	0	0	62	0.00	0.00
		2	0	0	62	0.00	0.00
	13	1	0	0	10	0.00	0.00
		2	0	0	10	0.00	0.00
	14	1	0	0	100	0.00	0.00
		2	0	0	100	0.00	0.00
	15	1	0	0	11	0.00	0.00
		2	0	0	11	0.00	0.00
	16	1	0	0	8	0.00	0.00
		2	0	0	8	0.00	0.00
	17	1	0	0	5	0.00	0.00
		2	0	0	5	0.00	0.00
	18	1	0	0	6	0.00	0.00
		2	0	0	6	0.00	0.00
	19	1	0	0	6	0.00	0.00
		2	0	0	6	0.00	0.00

Traffic Stream Results

Traffic Stream Results: Vehicle summary

Time Segment	Arm	Traffic Stream	Degree of saturation (%)	Practical reserve capacity (%)	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Performance Index (£ per hr)
	A	1	62	45	402	2050	36	17.20	5.34	41.17	27.28	8.16	35.45
		2	34	166	220	2050	36	12.53	2.72	20.34	10.87	3.73	14.61
		3	64	40	417	2050	36	14.33	5.60	40.99	23.57	6.61	30.18

		4	58	56	374	2050	36	14.29	3.98	28.51	21.08	6.94	28.02
	Ac	1	83	9	1027	2263	64	13.42	6.82	40.94	54.37	12.53	66.90
		2	17	416	214	2263	64	2.15	3.51	21.88	1.81	2.15	3.97
		3	31	193	382	2263	64	2.78	5.27	34.48	4.19	6.25	10.44
	Acf	1	55	64	1241	2263	120	0.96	0.33	2.75	4.72	0.00	4.72
		2	17	433	382	2263	120	0.16	0.02	0.14	0.24	0.00	0.24
	Af	1	30	197	622	2050	120	0.38	0.07	0.69	0.94	0.00	0.94
		2	20	342	417	2050	120	0.22	0.03	0.27	0.37	0.00	0.37
		3	18	393	374	2050	120	0.20	0.02	0.21	0.29	0.00	0.29
	B	1	58	55	396	2050	38	20.14	5.32	32.31	31.46	10.03	41.48
		2	52	74	368	2150	38	18.89	4.93	29.19	27.42	8.83	36.25
		3	104	-13	566	2100	38	165.02	32.51	187.48	368.42	38.95	407.38
		4	74	22	503	2050	38	24.88	7.75	43.53	49.36	5.81	55.17
	Bc	1	42	113	434	2050	58	6.46	2.09	9.04	11.06	1.93	12.99
		2	72	25	720	2050	58	12.32	9.03	39.49	34.99	7.35	42.34
		3	73	23	453	2050	58	17.11	7.06	31.19	30.58	9.32	39.89
	Bcf	1	63	43	1429	2263	120	1.36	0.54	4.95	7.66	0.00	7.66
		2	19	369	434	2263	120	0.19	0.02	0.21	0.32	0.00	0.32
		3	32	183	720	2263	120	0.37	0.07	0.68	1.05	0.00	1.05
		4	20	350	453	2263	120	0.20	0.03	0.23	0.36	0.00	0.36
	Bf	1	42	112	764	1800	120	0.74	0.16	0.39	2.22	0.00	2.22
		2	59	52	1069	1800	120	1.46	0.43	1.09	6.15	0.00	6.15
	C	1	98	-9	551	2100	30	91.74	19.74	93.69	199.38	10.91	210.29
		2	98	-8	572	2200	30	122.52	27.52	129.34	276.44	17.17	293.61
		3	67	34	367	2050	30	26.44	5.77	26.69	38.28	4.33	42.61
	Cf	1	28	221	551	1965	120	0.36	0.05	0.22	0.78	0.00	0.78
		2	48	88	939	1965	120	0.84	0.22	0.86	3.10	0.00	3.10
	D	1	53	68	384	2050	40	25.84	5.12	53.58	39.11	9.79	48.90
		2	100	-10	648	1850	40	101.04	21.52	224.95	258.07	27.19	285.25
		3	100	-10	755	2250	40	92.81	22.53	231.51	276.23	28.10	304.33
	Dc	1	87	4	943	2100	60	19.86	9.68	109.86	73.87	18.41	92.29
		2	73	24	788	2100	60	13.79	7.88	92.94	42.88	14.98	57.85
		3	100	-10	731	2100	60	87.43	20.29	249.24	252.22	11.91	264.13
		4	90	0	870	2100	60	23.83	10.88	139.43	81.77	10.02	91.79
	Dcf	1	44	106	894	2050	120	0.68	0.17	1.47	2.39	0.00	2.39
		2	83	8	1210	2100	120	12.48	10.85	94.62	59.54	20.51	80.04
		3	48	87	788	2100	120	3.68	5.73	48.02	11.46	7.19	18.64
		4	100	-10	731	2100	120	81.27	22.79	196.40	234.43	16.68	251.12
		5	49	82	870	2100	120	4.74	9.63	82.75	16.26	12.16	28.42
	Df	1	133	-32	1351	1900	103	458.99	202.00	580.75	2445.92	41.41	2487.33
		2	109	-17	820	2250	103	178.92	49.98	143.68	578.70	24.65	603.35
	Dxp	1	51	75	894	2050	101	1.41	1.60	19.77	4.97	1.35	6.32
		2	15	487	267	2050	101	0.47	0.22	2.57	0.50	0.20	0.69
	Ec	1	55	63	711	2150	70	6.65	4.99	57.28	18.64	8.59	27.23
		2	100	-10	1328	2263	70	54.77	24.69	293.09	286.98	29.62	316.60
		3	81	11	1097	2263	70	7.83	5.29	65.07	33.90	10.07	43.97
		4	40	123	545	2250	70	11.77	7.01	87.77	25.29	13.47	38.75
	Ecf	1	51	77	1066	2100	120	0.90	4.91	61.42	3.78	0.61	4.40
		2	50	80	1049	2100	120	0.85	0.25	3.09	3.53	0.00	3.53
		3	85	6	1328	2263	120	11.43	9.07	111.11	59.90	17.70	77.60
		4	85	5	1675	2300	120	6.83	8.22	93.89	45.10	14.44	59.54
	Ef	1	44	103	841	1900	120	0.75	0.18	0.79	2.49	0.00	2.49
		2	25	263	471	1900	120	0.31	0.04	0.18	0.58	0.00	0.58
	Exp	1	62	46	1066	2050	100	2.43	5.18	57.51	10.24	3.46	13.69
		2	20	360	338	2050	100	0.26	2.34	25.08	0.34	0.04	0.38
07:30-08:30	F	1	96	-6	368	2100	20	80.79	11.23	75.89	117.28	19.37	136.64
		2	55	63	213	2100	20	28.02	3.36	22.52	23.54	6.45	29.99
		3	81	12	310	2100	20	41.66	6.24	41.11	50.94	11.32	62.27

	Fc	1	100	-10	1546	2263	80	52.44	49.61	155.70	319.85	24.13	343.98
		2	78	15	1141	2263	80	10.35	11.62	36.83	46.59	9.19	55.78
		3	70	28	1073	2263	80	5.80	18.68	59.58	24.54	10.56	35.09
	Ff	1	31	194	581	1900	120	0.42	0.07	0.14	0.96	0.00	0.96
		2	16	452	310	1900	120	0.18	0.02	0.03	0.23	0.00	0.23
	G	1	69	30	339	2050	28	45.32	6.43	23.66	60.56	6.69	67.25
		2	33	172	165	2050	28	40.95	2.84	10.69	26.71	5.82	32.53
	Gf	1	16	449	336	2050	120	0.18	2.34	34.56	0.23	0.04	0.28
		2	7	1265	135	2050	120	0.08	2.32	34.71	0.04	0.06	0.10
	xA	1	80	12	1724	2263	120	5.12	24.90	62.34	34.81	12.39	47.20
		2	59	52	1304	2263	120	1.45	5.10	12.76	7.45	2.90	10.35
	xB	1	0	Unrestricted	1429	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	46	95	553	1900	120	6.74	9.49	47.18	14.69	9.89	24.58
		2	28	225	359	1900	120	3.23	4.72	23.41	4.57	5.39	9.97
	xD	1	0	Unrestricted	894	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	267	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	0	Unrestricted	1066	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	338	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	0	Unrestricted	762	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	36	149	408	2050	64	7.22	2.63	15.78	11.62	4.68	16.30
	E1	1	61	47	313	2050	28	25.37	4.56	32.78	31.33	8.76	40.09
		2	96	-6	528	2200	28	68.44	14.48	104.04	142.55	25.53	168.08
	Gf1	1	5	1741	33	678	120	1.81	0.23	2.73	0.24	0.33	0.57
	Cc2	2	69	31	812	2150	66	14.93	11.01	69.15	47.83	19.70	67.53
		3	100	-10	878	2050	66	88.44	29.54	190.34	306.37	40.78	347.15
		4	100	-10	819	2150	66	85.16	26.23	169.54	275.10	43.65	318.75
		5	43	108	503	2050	66	16.88	11.76	76.29	33.49	11.70	45.20
	E2	3	64	40	336	2150	28	26.25	5.25	56.69	34.79	9.61	44.39
		4	26	242	135	2050	28	19.34	2.37	25.04	10.30	3.34	13.64
	TC5	2	62	46	1174	2263	99	2.53	3.39	84.68	11.70	1.28	12.97
		3	68	31	1304	2263	99	2.45	3.55	88.72	12.62	1.32	13.94
		4	0	Unrestricted	0	1800	11	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	43	109	519	1925	72	12.69	8.23	51.62	25.97	3.09	29.07
		2	32	179	397	1966	72	11.27	5.97	37.27	17.66	2.18	19.84
		3	25	264	301	1947	72	10.47	4.14	25.67	12.43	1.56	13.99
	TC35	1	34	162	550	1900	99	2.51	2.62	62.46	5.45	0.99	6.44
	TC36	1	13	617	226	1800	120	0.14	0.01	0.21	0.13	0.00	0.13
	TC37	1	2	3577	40	1850	105	0.90	0.16	2.02	0.14	0.16	0.31
	TC38	1	16	446	40	243	120	4.86	2.43	65.58	0.77	0.79	1.56
	TC39	2	52	74	1174	2263	120	0.86	0.28	4.55	3.96	0.00	3.96
		3	58	56	1304	2263	120	1.08	0.39	6.76	5.56	0.00	5.56
	TC40	2	0	Unrestricted	1214	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		3	0	Unrestricted	1304	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	TC41	1	75	19	93	1850	7	95.08	3.98	41.89	34.88	4.07	38.95
		2	75	19	93	1850	7	95.08	3.98	41.55	34.88	4.07	38.95
	TC42	1	0	-100	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	TC43	1	0	Unrestricted	0	1800	120	0.00	0.00	0.00	0.00	0.00	0.00
	47	1	70	28	912	1300	120	3.23	0.82	3.52	11.62	0.00	11.62
	48	1	76	19	1490	1965	120	2.85	1.18	12.31	16.75	0.00	16.75
	49	1	28	223	529	1900	120	0.37	0.05	1.18	0.76	0.00	0.76
		2	37	145	698	1900	120	0.55	0.11	2.34	1.51	0.00	1.51
	50	1	96	-7	1833	1900	120	19.55	9.95	118.88	141.35	0.00	141.35
	51	1	47	92	891	1900	120	0.84	0.21	3.17	2.94	0.00	2.94
	52	1	19	369	14	1800	7	59.60	0.47	1.36	3.29	0.18	3.47
	53	1	8	980	10	1800	7	54.09	0.31	1.99	2.13	0.12	2.25
	54	1	91	-1	1429	1800	104	13.52	29.23	672.21	76.21	14.57	90.78
	55	1	48	86	762	1800	104	2.52	11.01	316.67	7.56	3.81	11.37

Traffic Stream Results: Flows and signals

Time Segment	Arm	Traffic Stream	Calculated flow entering (PCU/hr)	Calculated flow out (PCU/hr)	Flow discrepancy (PCU/hr)	Adjusted flow warning	Calculated sat flow (PCU/hr)	Calculated capacity (PCU/hr)	Degree of saturation (%)	DOS Threshold exceeded	Practical reserve capacity (%)	Mean modulus of error	Actual green (s (per cycle))
	A	1	402	402	0		2050	649	62		45	0.82	36
		2	220	220	-1	✓	2050	649	34		166	0.76	36
		3	417	417	0		2050	649	64		40	0.70	36
		4	374	374	0		2050	649	58		56	0.86	36
	Ac	1	1027	1027	46	✓	2263	1245	83		9	1.00	64
		2	214	214	-1	✓	2263	1227	17		416	1.60	64
		3	382	382	-1		2263	1245	31		193	1.27	64
	Acf	1	1241	1241	45	✓	2263	2263	55		64	0.79	120
		2	382	382	-1		2263	2263	17		433	1.27	120
	Af	1	622	622	-1	✓	2050	2050	30		197	0.79	120
		2	417	417	0		2050	2050	20		342	0.70	120
		3	374	374	0		2050	2050	18		393	0.86	120
	B	1	396	396	-1		2050	683	58		55	0.00	38
		2	368	368	0		2150	710	52		74	0.00	38
		3	566	546	0		2100	546	104	✓	-13	0.00	38
		4	503	503	0		2050	683	74		22	0.00	38
	Bc	1	434	434	-2	✓	2050	1025	42		113	1.28	58
		2	720	720	-1		2050	996	72		25	1.02	58
		3	453	453	0		2050	617	73		23	1.19	58
	Bcf	1	1429	1429	46	✓	2263	2263	63		43	0.56	120
		2	434	434	-2	✓	2263	2263	19		369	1.28	120
		3	720	720	-1		2263	2263	32		183	1.02	120
		4	453	453	0		2263	2263	20		350	1.19	120
	Bf	1	764	764	-1		1800	1800	42		112	0.00	120
		2	1069	1069	0		1800	1800	59		52	0.00	120
	C	1	551	550	0		2100	560	98	✓	-9	0.00	30
		2	572	564	0		2200	587	98	✓	-8	0.00	30
		3	367	367	0		2050	547	67		34	0.00	30
	Cf	1	551	551	0		1965	1965	28		221	0.00	120
		2	939	939	0		1965	1965	48		88	0.00	120
	D	1	384	384	125	✓	2050	718	53		68	0.84	40
		2	648	648	209	✓	1850	648	100	✓	-10	0.81	40
		3	755	755	65	✓	2250	755	100	✓	-10	1.01	40
	Dc	1	943	943	1	✓	2100	1085	87		4	0.66	60
		2	788	788	8	✓	2100	1085	73		24	0.76	60
		3	731	731	19	✓	2100	731	100	✓	-10	0.92	60
		4	870	870	0		2100	968	90		0	0.90	60
	Dcf	1	894	894	0		2050	2050	44		106	0.91	120
		2	1210	1210	1	✓	2100	1455	83		8	0.54	120
		3	788	788	8	✓	2100	1635	48		87	0.71	120
		4	731	731	19	✓	2100	731	100	✓	-10	0.53	120
		5	870	870	0		2100	1761	49		82	1.07	120
	Df	1	1351	1017	0		1900	1017	133	✓	-32	0.00	103
		2	820	755	0		2250	755	109	✓	-17	0.00	103
	Dxp	1	894	894	0		2050	1743	51		75	0.85	101
		2	267	267	0		2050	1743	15		487	1.16	101
	Ec	1	711	711	89	✓	2150	1290	55		63	0.89	70
		2	1328	1328	211	✓	2263	1328	100	✓	-10	0.63	70
		3	1097	1097	35	✓	2263	1358	81		11	0.73	70
		4	545	545	44	✓	2250	1350	40		123	1.03	70
	Ecf	1	1066	1066	41	✓	2100	2096	51		77	0.76	120
		2	1049	1049	93	✓	2100	2100	50		80	0.79	120
		3	1328	1328	211	✓	2263	1558	85		6	0.48	120
		4	1675	1675	82	✓	2300	1962	85		5	0.42	120

07:30-08:30	Ef	1	841	841	0		1900	1900	44		103	0.00	120
		2	471	471	0		1900	1900	25		263	0.00	120
	Exp	1	1066	1066	41	✓	2050	1725	62		46	0.76	100
		2	338	338	4	✓	2050	1725	20		360	1.06	100
	F	1	368	368	0		2100	385	96	✓	-6	0.00	20
		2	213	213	-1	✓	2100	385	55		63	0.00	20
		3	310	310	-1		2100	385	81		12	0.00	20
	Fc	1	1546	1546	211	✓	2263	1546	100	✓	-10	0.52	80
		2	1141	1141	35	✓	2263	1463	78		15	0.86	80
		3	1073	1073	44	✓	2263	1530	70		28	0.98	80
	Ff	1	581	581	-1	✓	1900	1900	31		194	0.00	120
		2	310	310	-1		1900	1900	16		452	0.00	120
	G	1	339	339	0		2050	488	69		30	1.49	28
		2	165	165	3	✓	2050	500	33		172	1.40	28
	Gf	1	336	336	0		2050	2050	16		449	1.50	120
		2	135	135	0		2050	2048	7		1265	1.50	120
	xA	1	1724	1724	168	✓	2263	2154	80		12	0.28	120
		2	1304	1304	76	✓	2263	2199	59		52	0.72	120
	xB	1	1429	1429	46	✓	Unrestricted	Unrestricted	0		Unrestricted	0.31	120
	xC	1	553	553	-1	✓	1900	1198	46		95	1.12	120
		2	359	359	1	✓	1900	1296	28		225	1.23	120
	xD	1	894	894	0		Unrestricted	Unrestricted	0		Unrestricted	0.78	120
		2	267	267	0		Unrestricted	Unrestricted	0		Unrestricted	0.96	120
	xE	1	1066	1066	41	✓	Unrestricted	Unrestricted	0		Unrestricted	0.63	120
		2	338	338	4	✓	Unrestricted	Unrestricted	0		Unrestricted	0.86	120
	xF	1	762	762	89	✓	Unrestricted	Unrestricted	0		Unrestricted	0.84	120
	Cc1	1	408	408	-3	✓	2050	1128	36		149	1.12	64
	E1	1	313	313	0		2050	513	61		47	0.00	28
		2	528	528	0		2200	550	96	✓	-6	0.00	28
	Gf1	1	33	33	3	✓	678	678	5		1741	1.04	120
	Cc2	2	812	812	0		2150	1185	69		31	0.80	66
		3	878	878	19	✓	2050	878	100	✓	-10	0.83	66
		4	819	819	-1		2150	819	100	✓	-10	0.75	66
		5	503	503	0		2050	1162	43		108	1.33	66
	E2	3	336	336	0		2150	524	64		40	0.00	28
		4	135	135	0		2050	513	26		242	0.00	28
	TC5	2	1174	1174	147	✓	2263	1905	62		46	0.44	99
		3	1304	1304	76	✓	2263	1905	68		31	0.71	99
		4	0	0	0		1800	180	0		Unrestricted	0.00	11
	TC9	1	519	519	-1	✓	1925	1203	43		109	0.00	72
		2	397	397	0		1966	1229	32		179	0.00	72
		3	301	301	0		1947	1217	25		264	0.00	72
	TC35	1	550	550	21	✓	1900	1599	34		162	0.60	99
	TC36	1	226	226	0		1800	1800	13		617	0.00	120
	TC37	1	40	40	0		1850	1634	2		3577	0.00	105
	TC38	1	40	40	0		243	243	16		446	0.23	120
	TC39	2	1174	1174	147	✓	2263	2263	52		74	0.52	120
		3	1304	1304	76	✓	2263	2263	58		56	0.75	120
	TC40	2	1214	1214	147	✓	Unrestricted	Unrestricted	0		Unrestricted	0.44	120
		3	1304	1304	76	✓	Unrestricted	Unrestricted	0		Unrestricted	0.64	120
	TC41	1	93	93	0		1850	123	75		19	0.00	7
		2	93	93	0		1850	123	75		19	0.00	7
	TC42	1	0	0	0		0	0	0		-100	0.00	0
	TC43	1	0	0	0		1800	1800	0		Unrestricted	0.00	120
	47	1	912	912	0	✓	1300	1300	70		28	0.54	120
	48	1	1490	1490	0		1965	1965	76		19	0.00	120
	49	1	529	529	-1	✓	1900	1900	28		223	0.00	120
		2	698	698	0		1900	1900	37		145	0.00	120

	50	**1**	1833	1833	-1		1900	1900	96	✓	-7	0.00	120
	51	**1**	891	891	-2	✓	1900	1900	47		92	0.00	120
	52	**1**	14	14	0		1800	73	19		369	0.00	7
	53	**1**	10	10	0		1800	120	8		980	0.00	7
	54	**1**	1429	1429	46	✓	1800	1575	91	✓	-1	0.46	104
	55	**1**	762	762	89	✓	1800	1575	48		86	0.94	104

Traffic Stream Results: Stops and delays

Time Segment	Arm	Traffic Stream	Mean Cruise Time per Veh (s)	Mean Delay per Veh (s)	Total delay (PCU-hr/hr)	Weighted cost of delay (£ per hr)	Mean stops per Veh (%)	Total stops (Stops per hr)	Weighted cost of stops (£ per hr)
	A	**1**	5.59	17.20	1.92	27.28	63.27	254.36	8.16
		2	5.77	12.53	0.77	10.87	52.89	116.36	3.73
		3	5.90	14.33	1.66	23.57	49.35	205.79	6.61
		4	6.03	14.29	1.48	21.08	57.81	216.21	6.94
	Ac	**1**	7.19	13.42	3.83	54.37	38.00	390.33	12.53
		2	9.50	2.15	0.13	1.81	58.90	126.05	2.15
		3	6.60	2.78	0.29	4.19	50.98	194.75	6.25
	Acf	**1**	5.22	0.96	0.33	4.72	0.00	0.00	0.00
		2	7.24	0.16	0.02	0.24	0.00	0.00	0.00
	Af	**1**	6.62	0.38	0.07	0.94	0.00	0.00	0.00
		2	6.60	0.22	0.03	0.37	0.00	0.00	0.00
		3	6.62	0.20	0.02	0.29	0.00	0.00	0.00
	B	**1**	7.10	20.14	2.22	31.46	78.87	312.33	10.03
		2	7.29	18.89	1.93	27.42	74.77	275.16	8.83
		3	7.48	165.02	25.95	368.42	222.17	1213.57	38.95
		4	12.29	24.88	3.48	49.36	92.13	463.41	5.81
	Bc	**1**	11.96	6.46	0.78	11.06	19.95	86.59	1.93
		2	11.83	12.32	2.46	34.99	45.80	329.78	7.35
		3	11.71	17.11	2.15	30.58	92.29	418.09	9.32
	Bcf	**1**	4.17	1.36	0.54	7.66	0.00	0.00	0.00
		2	5.36	0.19	0.02	0.32	0.00	0.00	0.00
		3	5.48	0.37	0.07	1.05	0.00	0.00	0.00
		4	6.13	0.20	0.03	0.36	0.00	0.00	0.00
	Bf	**1**	27.34	0.74	0.16	2.22	0.00	0.00	0.00
		2	27.41	1.46	0.43	6.15	0.00	0.00	0.00
	C	**1**	14.54	91.74	14.04	199.38	158.30	869.96	10.91
		2	14.68	122.52	19.47	276.44	242.60	1369.28	17.17
		3	14.92	26.44	2.70	38.28	94.07	345.25	4.33
	Cf	**1**	17.35	0.36	0.05	0.78	0.00	0.00	0.00
		2	17.50	0.84	0.22	3.10	0.00	0.00	0.00
	D	**1**	4.13	25.84	2.75	39.11	79.52	305.14	9.79
		2	4.13	101.04	18.17	258.07	130.80	846.96	27.19
		3	4.20	92.81	19.45	276.23	116.01	875.33	28.10
	Dc	**1**	3.80	19.86	5.20	73.87	60.84	573.61	18.41
		2	3.65	13.79	3.02	42.88	59.18	466.53	14.98
		3	5.62	87.43	17.76	252.22	129.87	949.81	11.91
		4	5.38	23.83	5.76	81.77	91.86	799.22	10.02
	Dcf	**1**	4.95	0.68	0.17	2.39	0.00	0.01	0.00
		2	4.94	12.48	4.19	59.54	52.80	638.84	20.51
		3	5.45	3.68	0.81	11.46	30.20	238.04	7.19
		4	7.25	81.27	16.51	234.43	130.75	956.22	16.68
		5	5.02	4.74	1.15	16.26	43.53	378.74	12.16
	Df	**1**	24.00	458.99	172.25	2445.92	324.66	3302.58	41.41
		2	24.00	178.92	40.75	578.70	260.50	1965.62	24.65
	Dxp	**1**	3.50	1.41	0.35	4.97	4.69	41.94	1.35
		2	3.65	0.47	0.03	0.50	2.32	6.19	0.20
		1	3.76	6.65	1.31	18.64	37.66	267.73	8.59

07:30-08:30	Ec	2	3.63	54.77	20.21	286.98	69.48	922.92	29.62
		3	3.51	7.83	2.39	33.90	28.59	313.70	10.07
		4	3.44	11.77	1.78	25.29	77.01	419.54	13.47
	Ecf	1	3.45	0.90	0.27	3.78	1.80	19.15	0.61
		2	3.48	0.85	0.25	3.53	0.00	0.00	0.00
		3	3.52	11.43	4.22	59.90	41.51	551.38	17.70
		4	3.85	6.83	3.18	45.10	27.35	458.13	14.44
	Ef	1	15.31	0.75	0.18	2.49	0.00	0.00	0.00
		2	15.31	0.31	0.04	0.58	0.00	0.00	0.00
	Exp	1	3.89	2.43	0.72	10.24	10.11	107.75	3.46
		2	4.03	0.26	0.02	0.34	0.34	1.15	0.04
	F	1	6.38	80.79	8.26	117.28	163.95	603.34	19.37
		2	6.43	28.02	1.66	23.54	94.31	200.88	6.45
		3	6.54	41.66	3.59	50.94	113.78	352.73	11.32
	Fc	1	19.09	52.44	22.52	319.85	93.61	1447.60	24.13
		2	18.73	10.35	3.28	46.59	47.49	541.88	9.19
		3	19.40	5.80	1.73	24.54	62.74	673.09	10.56
	Ff	1	33.09	0.42	0.07	0.96	0.00	0.00	0.00
		2	33.05	0.18	0.02	0.23	0.00	0.00	0.00
	G	1	16.06	45.32	4.26	60.56	115.70	391.93	6.69
		2	11.45	40.95	1.88	26.71	109.66	181.34	5.82
	Gf	1	2.92	0.18	0.02	0.23	0.41	1.37	0.04
		2	2.88	0.08	0.00	0.04	1.42	1.92	0.06
	xA	1	17.22	5.12	2.45	34.81	22.39	386.00	12.39
		2	17.25	1.45	0.52	7.45	6.92	90.24	2.90
	xB	1	7.02	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	8.67	6.74	1.03	14.69	55.72	307.98	9.89
		2	8.70	3.23	0.32	4.57	46.76	168.05	5.39
	xD	1	9.13	0.00	0.00	0.00	0.00	0.00	0.00
		2	9.21	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	13.04	0.00	0.00	0.00	0.00	0.00	0.00
		2	13.04	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	12.33	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	6.65	7.22	0.82	11.62	29.82	121.66	4.68
	E1	1	6.00	25.37	2.21	31.33	87.21	272.98	8.76
		2	6.00	68.44	10.04	142.55	150.64	795.35	25.53
	Gf1	1	3.69	1.81	0.02	0.24	31.40	10.40	0.33
	Cc2	2	7.02	14.93	3.37	47.83	74.03	601.16	19.70
		3	7.25	88.44	21.58	306.37	158.92	1395.69	40.78
		4	6.86	85.16	19.37	275.10	164.56	1347.87	43.65
		5	7.98	16.88	2.36	33.49	104.39	525.06	11.70
	E2	3	4.00	26.25	2.45	34.79	89.07	299.27	9.61
		4	4.07	19.34	0.73	10.30	77.08	104.06	3.34
	TC5	2	2.76	2.53	0.82	11.70	8.66	101.70	1.28
		3	2.76	2.45	0.89	12.62	8.09	105.53	1.32
		4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	11.00	12.69	1.83	25.97	47.55	246.79	3.09
		2	11.05	11.27	1.24	17.66	43.80	173.90	2.18
		3	11.12	10.47	0.88	12.43	41.24	124.13	1.56
	TC35	1	2.90	2.51	0.38	5.45	14.31	78.73	0.99
	TC36	1	3.03	0.14	0.01	0.13	0.00	0.00	0.00
	TC37	1	3.19	0.90	0.01	0.14	11.69	4.68	0.16
	TC38	1	1.53	4.86	0.05	0.77	57.05	22.82	0.79
	TC39	2	2.54	0.86	0.28	3.96	0.00	0.00	0.00
		3	2.40	1.08	0.39	5.56	0.00	0.00	0.00
	TC40	2	4.23	0.00	0.00	0.00	0.00	0.00	0.00
		3	4.02	0.00	0.00	0.00	0.00	0.00	0.00

	TC41	1	3.93	95.08	2.46	34.88	125.73	116.93	4.07
		2	3.97	95.08	2.46	34.88	125.73	116.93	4.07
	TC42	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC43	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	47	1	16.04	3.23	0.82	11.62	0.00	0.00	0.00
	48	1	6.61	2.85	1.18	16.75	0.00	0.00	0.00
	49	1	3.15	0.37	0.05	0.76	0.00	0.00	0.00
		2	3.15	0.55	0.11	1.51	0.00	0.00	0.00
	50	1	5.78	19.55	9.95	141.35	0.00	0.00	0.00
	51	1	4.50	0.84	0.21	2.94	0.00	0.00	0.00
	52	1	24.00	59.60	0.23	3.29	100.37	14.05	0.18
	53	1	10.93	54.09	0.15	2.13	93.48	9.35	0.12
	54	1	3.00	13.52	5.37	76.21	81.31	1162.00	14.57
	55	1	2.40	2.52	0.53	7.56	39.85	303.65	3.81

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	5.34	12.96	41.17	0.00	0.00	
		2	0.00	2.72	13.37	20.34	0.00	3.00	
		3	0.00	5.60	13.67	40.99	0.00	3.00	
		4	0.00	3.98	13.97	28.51	0.00	1.00	
	Ac	1	0.00	6.82	16.66	40.94	0.00	8.00	
		2	0.00	3.51	16.06	21.88	0.00	46.94	
		3	0.00	5.27	15.30	34.48	0.00	18.00	
	Acf	1	0.00	0.33	12.10	2.75	0.00	26.00	
		2	0.00	0.02	12.25	0.14	0.00	68.00	
	Af	1	0.00	0.07	9.59	0.69	0.00	36.00	
		2	0.00	0.03	9.56	0.27	0.00	39.00	
		3	0.00	0.02	9.60	0.21	0.00	37.00	
	B	1	0.00	5.32	16.46	32.31	0.00	0.00	
		2	0.00	4.93	16.90	29.19	0.00	0.37	
		3	0.00	32.51	17.34	187.48	0.00	8.79	
		4	0.00	7.75	17.81	43.53	0.00	0.00	
	Bc	1	0.00	2.09	23.10	9.04	0.00	11.00	
		2	0.00	9.03	22.87	39.49	0.00	10.69	
		3	0.00	7.06	22.63	31.19	0.00	25.91	
	Bcf	1	0.00	0.54	10.90	4.95	0.00	100.00	
		2	0.00	0.02	10.98	0.21	0.00	65.00	
		3	0.00	0.07	10.84	0.68	0.00	37.00	
		4	0.00	0.03	10.83	0.23	0.00	65.00	
	Bf	1	0.00	0.16	39.62	0.39	0.00	0.00	
		2	0.00	0.43	39.73	1.09	0.00	0.00	
	C	1	0.00	19.74	21.07	93.69	0.00	0.00	
		2	0.00	27.52	21.28	129.34	0.00	0.00	
		3	0.00	5.77	21.63	26.69	0.00	0.00	
	Cf	1	0.00	0.05	25.15	0.22	0.00	0.00	
		2	0.00	0.22	25.37	0.86	0.00	0.00	
	D	1	0.00	5.12	9.57	53.58	0.00	0.00	
		2	0.00	21.52	9.57	224.95	0.00	0.00	
		3	0.00	22.53	9.73	231.51	0.00	1.76	
	Dc	1	0.00	9.68	8.81	109.86	0.00	0.00	
		2	0.00	7.88	8.47	92.94	0.00	0.00	
		3	0.00	20.29	8.14	249.24	0.00	20.21	
		4	0.00	10.88	7.80	139.43	0.00	10.68	
	Dcf	1	0.00	0.17	11.47	1.47	0.00	28.00	
		2	0.00	10.85	11.46	94.62	0.00	46.86	
		3	0.00	5.73	11.93	48.02	0.00	40.56	

07:30-08:30		4	0.00	22.79	11.60	196.40	0.00	78.21	
		5	0.00	9.63	11.64	82.75	0.00	57.39	
	Df	1	0.00	202.00	34.78	580.75	0.00	39.75	
		2	0.00	49.98	34.78	143.68	0.00	63.76	
	Dxp	1	0.00	1.60	8.11	19.77	0.00	12.00	
		2	0.00	0.22	8.46	2.57	0.00	53.00	
	Ec	1	0.00	4.99	8.71	57.28	0.00	36.00	
		2	0.00	24.69	8.42	293.09	0.00	1.56	
		3	0.00	5.29	8.13	65.07	0.00	0.00	
		4	0.00	7.01	7.99	87.77	0.00	26.00	
	Ecf	1	0.00	4.91	7.99	61.42	0.00	20.22	
		2	0.00	0.25	8.06	3.09	0.00	18.00	
		3	0.00	9.07	8.16	111.11	0.00	45.37	
		4	0.00	8.22	8.76	93.89	0.00	29.66	
	Ef	1	0.00	0.18	22.18	0.79	0.00	0.00	
		2	0.00	0.04	22.18	0.18	0.00	0.00	
	Exp	1	0.00	5.18	9.01	57.51	0.00	16.00	
		2	0.00	2.34	9.34	25.08	0.00	39.00	
	F	1	0.00	11.23	14.80	75.89	0.00	0.00	
		2	0.00	3.36	14.91	22.52	0.00	0.00	
		3	0.00	6.24	15.17	41.11	0.00	0.00	
	Fc	1	0.00	49.61	31.86	155.70	0.00	0.00	
		2	0.00	11.62	31.56	36.83	0.00	9.40	
		3	0.00	18.68	31.35	59.58	0.00	10.88	
	Ff	1	0.00	0.07	47.95	0.14	0.00	0.00	
		2	0.00	0.02	47.89	0.03	0.00	0.00	
	G	1	0.00	6.43	27.16	23.66	0.00	9.46	
		2	0.00	2.84	26.54	10.69	0.00	18.73	
	Gf	1	0.00	2.34	6.76	34.56	0.00	90.02	
		2	0.00	2.32	6.69	34.71	0.00	90.10	
	xA	1	0.00	24.90	39.94	62.34	0.00	18.76	
		2	0.00	5.10	39.99	12.76	0.00	21.40	
	xB	1	0.00	0.00	10.17	0.00	0.00	7.00	
	xC	1	0.00	9.49	20.10	47.18	0.00	58.32	
		2	0.00	4.72	20.17	23.41	0.00	68.16	
	xD	1	0.00	0.00	21.17	0.00	0.00	13.00	
		2	0.00	0.00	21.35	0.00	0.00	53.00	
	xE	1	0.00	0.00	30.24	0.00	0.00	9.00	
		2	0.00	0.00	30.23	0.00	0.00	44.00	
	xF	1	0.00	0.00	17.87	0.00	0.00	15.00	
	Cc1	1	0.00	2.63	16.67	15.78	0.00	13.00	
	E1	1	0.00	4.56	13.91	32.78	0.00	0.00	
		2	0.00	14.48	13.91	104.04	0.00	0.00	
	Gf1	1	0.00	0.23	8.57	2.73	0.00	84.00	
	Cc2	2	0.00	11.01	15.93	69.15	0.00	9.86	
		3	0.00	29.54	15.52	190.34	0.00	16.59	
		4	0.00	26.23	15.47	169.54	0.00	22.27	
		5	0.00	11.76	15.42	76.29	0.00	38.00	
	E2	3	0.00	5.25	9.27	56.69	0.00	0.75	
		4	0.00	2.37	9.45	25.04	0.00	0.00	
	TC5	2	0.00	3.39	4.01	84.68	0.00	7.00	
		3	0.00	3.55	4.00	88.72	0.00	12.00	
		4	0.00	0.00	4.25	0.00	0.00	12.00	
	TC9	1	0.00	8.23	15.95	51.62	0.00	0.00	
		2	0.00	5.97	16.02	37.27	0.00	0.00	
		3	0.00	4.14	16.12	25.67	0.00	0.00	
	TC35	1	0.00	2.62	4.20	62.46	0.00	8.00	
	TC36	1	0.00	0.01	4.39	0.21	0.00	0.00	

	TC37	1	0.00	0.16	7.71	2.02	0.00	105.00	
	TC38	1	0.00	2.43	3.71	65.58	0.00	46.00	
	TC39	2	0.00	0.28	6.13	4.55	0.00	26.00	
		3	0.00	0.39	5.79	6.76	0.00	31.00	
	TC40	2	0.00	0.00	10.22	0.00	0.00	14.00	
		3	0.00	0.00	9.71	0.00	0.00	18.00	
	TC41	1	0.00	3.98	9.50	41.89	0.00	0.00	
		2	0.00	3.98	9.58	41.55	0.00	0.00	
	TC43	1	0.00	0.00	9.04	0.00	0.00	120.00	
	47	1	0.00	0.82	23.24	3.52	0.00	14.00	
	48	1	0.00	1.18	9.59	12.31	0.00	0.00	
	49	1	0.00	0.05	4.56	1.18	0.00	0.00	
		2	0.00	0.11	4.56	2.34	0.00	0.00	
	50	1	0.00	9.95	8.37	118.88	0.00	0.00	
	51	1	0.00	0.21	6.52	3.17	0.00	0.00	
	52	1	0.00	0.47	34.78	1.36	0.00	6.13	
	53	1	0.00	0.31	15.84	1.99	0.00	7.00	
	54	1	0.00	29.23	4.35	672.21	0.00	1.00	
	55	1	0.00	11.01	3.48	316.67	0.00	31.00	

Traffic Stream Results: Advanced

Time Segment	Arm	Traffic Stream	Degree of saturation penalty (£ per hr)	Ped gap accepting penalty (£ per hr)	Warmed up	Mean Max Queue EoTS (PCU)	Max End of Green Queue EoTS (PCU)	Max End of Red Queue EoTS (PCU)	PCU Factor	Cost of traffic penalties (£ per hr)	Performance Index (£ per hr)
	A	1	0.00	0.00	✓	5.34	0.50	5.04	1.00	0.00	35.45
		2	0.00	0.00	✓	2.72	0.09	2.66	1.00	0.00	14.61
		3	0.00	0.00	✓	5.61	0.57	5.28	1.00	0.00	30.18
		4	0.00	0.00	✓	3.99	0.39	3.90	1.00	0.00	28.02
	Ac	1	0.00	0.00	✓	6.84	1.92	6.29	1.00	0.00	66.90
		2	0.00	0.00	✓	3.51	0.02	1.42	1.00	0.00	3.97
		3	0.00	0.00	✓	5.27	0.07	2.13	1.00	0.00	10.44
	Acf	1	0.00	0.00	✓	0.33			1.00	0.00	4.72
		2	0.00	0.00	✓	0.02			1.00	0.00	0.24
	Af	1	0.00	0.00	✓	0.07			1.00	0.00	0.94
		2	0.00	0.00	✓	0.03			1.00	0.00	0.37
		3	0.00	0.00	✓	0.02			1.00	0.00	0.29
	B	1	0.00	0.00	✓	5.32	0.40	4.97	1.00	0.00	41.48
		2	0.00	0.00	✓	4.93	0.28	4.47	1.00	0.00	36.25
		3	0.00	0.00		44.07	34.94	42.11	1.00	0.00	407.38
		4	0.00	0.00	✓	7.76	1.02	7.16	1.00	0.00	55.17
	Bc	1	0.00	0.00	✓	2.09	0.16	1.44	1.00	0.00	12.99
		2	0.00	0.00		9.03	0.94	4.11	1.00	0.00	42.34
		3	0.00	0.00	✓	7.07	1.01	1.68	1.00	0.00	39.89
	Bcf	1	0.00	0.00	✓	0.54			1.00	0.00	7.66
		2	0.00	0.00	✓	0.02			1.00	0.00	0.32
		3	0.00	0.00	✓	0.07			1.00	0.00	1.05
		4	0.00	0.00	✓	0.03			1.00	0.00	0.36
	Bf	1	0.00	0.00	✓	0.16			1.00	0.00	2.22
		2	0.00	0.00	✓	0.43			1.00	0.00	6.15
	C	1	0.00	0.00		22.73	12.22	21.31	1.00	0.00	210.29
		2	0.00	0.00		29.78	14.46	26.94	1.00	0.00	293.61
		3	0.00	0.00	✓	5.78	0.68	5.47	1.00	0.00	42.61
	Cf	1	0.00	0.00	✓	0.05			1.00	0.00	0.78
		2	0.00	0.00	✓	0.22			1.00	0.00	3.10
	D	1	0.00	0.00	✓	5.13	0.31	5.13	1.00	0.00	48.90
		2	0.00	0.00	✓	26.78	18.30	26.78	1.00	0.00	285.25
		3	0.00	0.00	✓	28.21	19.52	28.21	1.00	0.00	304.33

07:30-08:30	Dc	1	0.00	0.00		9.75	2.81	9.73	1.00	0.00	92.29
		2	0.00	0.00		7.88	0.96	7.83	1.00	0.00	57.85
		3	0.00	0.00	✓	25.88	18.65	25.88	1.00	0.00	264.13
		4	0.00	0.00	✓	11.03	3.80	9.92	1.00	0.00	91.79
	Dcf	1	0.00	0.00		0.17			1.00	0.00	2.39
		2	0.00	0.00		10.87			1.00	0.00	80.04
		3	0.00	0.00		5.73			1.00	0.00	18.64
		4	0.00	0.00	✓	28.39			1.00	0.00	251.12
		5	0.00	0.00	✓	9.63			1.00	0.00	28.42
	Df	1	0.00	0.00	✓	368.89	335.26	339.78	1.00	0.00	2487.33
		2	0.00	0.00	✓	83.08	71.58	74.94	1.00	0.00	603.35
	Dxp	1	0.00	0.00	✓	1.60	0.27	1.43	1.00	0.00	6.32
		2	0.00	0.00		0.22	0.01	0.22	1.00	0.00	0.69
	Ec	1	0.00	0.00		4.99	0.34	4.36	1.00	0.00	27.23
		2	0.00	0.00	✓	32.23	25.71	32.22	1.00	0.00	316.60
		3	0.00	0.00	✓	5.31	1.68	5.26	1.00	0.00	43.97
		4	0.00	0.00	✓	7.01	0.14	6.89	1.00	0.00	38.75
	Ecf	1	0.00	0.00		4.91			1.00	0.00	4.40
		2	0.00	0.00		0.25			1.00	0.00	3.53
		3	0.00	0.00	✓	9.10			1.00	0.00	77.60
		4	0.00	0.00	✓	8.25			1.00	0.00	59.54
	Ef	1	0.00	0.00	✓	0.18			1.00	0.00	2.49
		2	0.00	0.00	✓	0.04			1.00	0.00	0.58
	Exp	1	0.00	0.00		5.19	0.50	2.30	1.00	0.00	13.69
		2	0.00	0.00		2.34	0.02	0.02	1.00	0.00	0.38
	F	1	0.00	0.00	✓	12.50	7.04	12.25	1.00	0.00	136.64
		2	0.00	0.00	✓	3.36	0.34	3.30	1.00	0.00	29.99
		3	0.00	0.00	✓	6.28	1.61	5.92	1.00	0.00	62.27
	Fc	1	0.00	0.00	✓	57.75	27.32	36.49	1.00	0.00	343.98
		2	0.00	0.00	✓	11.63	2.36	7.01	1.00	0.00	55.78
		3	0.00	0.00	✓	18.68	0.82	5.27	1.00	0.00	35.09
	Ff	1	0.00	0.00	✓	0.07			1.00	0.00	0.96
		2	0.00	0.00	✓	0.02			1.00	0.00	0.23
	G	1	0.00	0.00	✓	6.43	0.78	6.43	1.00	0.00	67.25
		2	0.00	0.00	✓	2.84	0.08	2.84	1.00	0.00	32.53
	Gf	1	0.00	0.00	✓	2.34			1.00	0.00	0.28
		2	0.00	0.00	✓	2.32			1.00	0.00	0.10
	xA	1	0.00	0.00	✓	24.91			1.00	0.00	47.20
		2	0.00	0.00	✓	5.10			1.00	0.00	10.35
	xB	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	xC	1	0.00	0.00	✓	9.49			1.00	0.00	24.58
		2	0.00	0.00	✓	4.72			1.00	0.00	9.97
	xD	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
		2	0.00	0.00		0.00			1.00	0.00	0.00
	xE	1	0.00	0.00		0.00			1.00	0.00	0.00
		2	0.00	0.00		0.00			1.00	0.00	0.00
	xF	1	0.00	0.00		0.00			1.00	0.00	0.00
	Cc1	1	0.00	0.00	✓	2.63	0.10	2.03	1.00	0.00	16.30
	E1	1	0.00	0.00	✓	4.56	0.48	4.48	1.00	0.00	40.09
		2	0.00	0.00	✓	15.85	8.15	15.14	1.00	0.00	168.08
	Gf1	1	0.00	0.00	✓	0.23			1.00	0.00	0.57
	Cc2	2	0.00	0.00		11.02	0.74	7.84	1.00	0.00	67.53
		3	0.00	0.00	✓	35.68	27.25	35.42	1.00	0.00	347.15
		4	0.00	0.00		32.08	22.08	29.39	1.00	0.00	318.75
		5	0.00	0.00	✓	11.76	0.17	8.50	1.00	0.00	45.20
	E2	3	0.00	0.00	✓	5.26	0.57	4.86	1.00	0.00	44.39
		4	0.00	0.00	✓	2.37	0.05	1.73	1.00	0.00	13.64
		2	0.00	0.00	✓	3.39	0.49	3.39	1.00	0.00	12.97

	TC5	3	0.00	0.00	✓	3.55	0.74	3.34	1.00	0.00	13.94
		4	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC9	1	0.00	0.00	✓	8.23	0.16	7.27	1.00	0.00	29.07
		2	0.00	0.00	✓	5.97	0.08	5.37	1.00	0.00	19.84
		3	0.00	0.00	✓	4.14	0.04	3.97	1.00	0.00	13.99
	TC35	1	0.00	0.00	✓	2.62	0.09	2.62	1.00	0.00	6.44
	TC36	1	0.00	0.00	✓	0.01			1.00	0.00	0.13
	TC37	1	0.00	0.00	✓	0.16	0.00	0.16	1.00	0.00	0.31
	TC38	1	0.00	0.00	✓	2.43			1.00	0.00	1.56
	TC39	2	0.00	0.00	✓	0.28			1.00	0.00	3.96
		3	0.00	0.00	✓	0.39			1.00	0.00	5.56
	TC40	2	0.00	0.00	✓	0.00			1.00	0.00	0.00
		3	0.00	0.00	✓	0.00			1.00	0.00	0.00
	TC41	1	0.00	0.00	✓	4.03	1.09	4.01	1.00	0.00	38.95
		2	0.00	0.00	✓	4.03	1.09	4.01	1.00	0.00	38.95
	TC42	1	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC43	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	47	1	0.00	0.00	✓	0.82			1.00	0.00	11.62
	48	1	0.00	0.00	✓	1.18			1.00	0.00	16.75
	49	1	0.00	0.00	✓	0.05			1.00	0.00	0.76
		2	0.00	0.00	✓	0.11			1.00	0.00	1.51
	50	1	0.00	0.00	✓	11.17			1.00	0.00	141.35
	51	1	0.00	0.00	✓	0.21			1.00	0.00	2.94
	52	1	0.00	0.00	✓	0.47	0.02	0.46	1.00	0.00	3.47
	53	1	0.00	0.00	✓	0.31	0.00	0.31	1.00	0.00	2.25
	54	1	0.00	0.00	✓	29.36	4.35	8.61	1.00	0.00	90.78
	55	1	0.00	0.00	✓	11.01	0.23	2.00	1.00	0.00	11.37

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	56	0.00	0.00	0.00	0.00
		2	0	0	11000	56	0.00	0.00	0.00	0.00
	3	1	0	0	11000	8	0.00	0.00	0.00	0.00
		2	0	0	11000	8	0.00	0.00	0.00	0.00
	4	1	0	0	11000	68	0.00	0.00	0.00	0.00
		2	0	0	11000	68	0.00	0.00	0.00	0.00
	5	1	0	0	11000	68	0.00	0.00	0.00	0.00
		2	0	0	11000	68	0.00	0.00	0.00	0.00
	6	1	0	0	0	0	0.00	0.00	0.00	0.00
		2	0	0	0	0	0.00	0.00	0.00	0.00
	7	1	0	0	11000	68	0.00	0.00	0.00	0.00
		2	0	0	11000	68	0.00	0.00	0.00	0.00
	8	1	0	0	0	0	0.00	0.00	0.00	0.00
		2	0	0	0	0	0.00	0.00	0.00	0.00
	9	1	0	0	11000	20	0.00	0.00	0.00	0.00
		2	0	0	11000	20	0.00	0.00	0.00	0.00
	10	1	0	0	11000	32	0.00	0.00	0.00	0.00
		2	0	0	11000	32	0.00	0.00	0.00	0.00
	11	1	0	0	11000	64	0.00	0.00	0.00	0.00
		2	0	0	11000	64	0.00	0.00	0.00	0.00
	12	1	0	0	11000	62	0.00	0.00	0.00	0.00
		2	0	0	11000	62	0.00	0.00	0.00	0.00
	13	1	0	0	11000	10	0.00	0.00	0.00	0.00
		2	0	0	11000	10	0.00	0.00	0.00	0.00
	14	1	0	0	11000	100	0.00	0.00	0.00	0.00
		2	0	0	11000	100	0.00	0.00	0.00	0.00
	15	1	0	0	11000	11	0.00	0.00	0.00	0.00
		2	0	0	11000	11	0.00	0.00	0.00	0.00
	16	1	0	0	11000	8	0.00	0.00	0.00	0.00
		2	0	0	11000	8	0.00	0.00	0.00	0.00
	17	1	0	0	11000	5	0.00	0.00	0.00	0.00
		2	0	0	11000	5	0.00	0.00	0.00	0.00
	18	1	0	0	11000	6	0.00	0.00	0.00	0.00
		2	0	0	11000	6	0.00	0.00	0.00	0.00
	19	1	0	0	11000	6	0.00	0.00	0.00	0.00
		2	0	0	11000	6	0.00	0.00	0.00	0.00

Pedestrian Crossings: Flows and signals

Time Segment	Crossing	Side	Calculated flow entering (Ped/hr)	Calculated flow out (Ped/hr)	Flow discrepancy (Ped/hr)	Adjusted flow warning	Calculated sat flow (Ped/hr)	Calculated capacity (Ped/hr)	Degree of saturation (%)	DOS Threshold exceeded	Practical reserve capacity	Mean modulus of error	Actual green (s (per cycle))
07:30-08:30	1	1	0	0	0		11000	917	0		Unrestricted	0.00	7
		2	0	0	0		11000	917	0		Unrestricted	0.00	7
	2	1	0	0	0		11000	5683	0		Unrestricted	0.00	56
		2	0	0	0		11000	5683	0		Unrestricted	0.00	56
	3	1	0	0	0		11000	1008	0		Unrestricted	0.00	8
		2	0	0	0		11000	1008	0		Unrestricted	0.00	8
	4	1	0	0	0		11000	6783	0		Unrestricted	0.00	68
		2	0	0	0		11000	6783	0		Unrestricted	0.00	68
	5	1	0	0	0		11000	6783	0		Unrestricted	0.00	68
		2	0	0	0		11000	6783	0		Unrestricted	0.00	68
	6	1	0	0	0		0	0	0		-100	0.00	0
		2	0	0	0		0	0	0		-100	0.00	0
	7	1	0	0	0		11000	6783	0		Unrestricted	0.00	68
		2	0	0	0		11000	6783	0		Unrestricted	0.00	68
	8	1	0	0	0		0	0	0		-100	0.00	0
		2	0	0	0		0	0	0		-100	0.00	0
	9	1	0	0	0		11000	2383	0		Unrestricted	0.00	20
		2	0	0	0		11000	2383	0		Unrestricted	0.00	20
	10	1	0	0	0		11000	3483	0		Unrestricted	0.00	32
		2	0	0	0		11000	3483	0		Unrestricted	0.00	32
	11	1	0	0	0		11000	6417	0		Unrestricted	0.00	64
		2	0	0	0		11000	6417	0		Unrestricted	0.00	64
	12	1	0	0	0		11000	6233	0		Unrestricted	0.00	62
		2	0	0	0		11000	6233	0		Unrestricted	0.00	62
	13	1	0	0	0		11000	1192	0		Unrestricted	0.00	10
		2	0	0	0		11000	1192	0		Unrestricted	0.00	10
	14	1	0	0	0		11000	9442	0		Unrestricted	0.00	100
		2	0	0	0		11000	9442	0		Unrestricted	0.00	100
	15	1	0	0	0		11000	1283	0		Unrestricted	0.00	11
		2	0	0	0		11000	1283	0		Unrestricted	0.00	11
	16	1	0	0	0		11000	1008	0		Unrestricted	0.00	8
		2	0	0	0		11000	1008	0		Unrestricted	0.00	8
	17	1	0	0	0		11000	733	0		Unrestricted	0.00	5
		2	0	0	0		11000	733	0		Unrestricted	0.00	5
	18	1	0	0	0		11000	825	0		Unrestricted	0.00	6
		2	0	0	0		11000	825	0		Unrestricted	0.00	6
	19	1	0	0	0		11000	825	0		Unrestricted	0.00	6
		2	0	0	0		11000	825	0		Unrestricted	0.00	6

Pedestrian Crossings: Stops and delays

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

Pedestrian Crossings: Queues and blocking

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

Pedestrian Crossings: Advanced

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

Network Results

Run Summary

Analysis set used	Run start time	Run finish time	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Ite wit wor over PR
1	15/07/2021 23:07:41	15/07/2021 23:07:56	07:30	120	8998.74	574.98	132.81	Df/1	17	11	TC42/1	Dcf/4	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	133	-100	80100	9901	25.84	8164.73	834.02	8998.74

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	1198	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	80100	79673	2980	✓	133	✓	-100	11099

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	8.64	25.84	574.98	8164.73	46.59	35996.53	834.02

Network Results: Queues and blocking

Time Segment	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))
07:30-08:30	672.21	0.00	2472.51

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	8998.74

Point to Point Journey Time

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	0.0	136.0	134.5	219.6	258.0	674.6	403.8	0.0
	B28	223.4	0.0	156.8	222.6	204.6	509.8	284.4	0.0
	C28	413.3	398.1	0.0	553.9	536.6	759.4	670.0	0.0
	D28	129.2	164.8	195.4	0.0	285.7	157.1	164.9	0.0
	E28	164.3	142.4	240.1	65.9	0.0	151.8	154.9	0.0
	F28	165.6	190.9	249.1	325.5	315.3	0.0	17.9	0.0
	G28	88.3	110.1	145.1	235.1	239.4	527.0	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

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

25	C28	C28	0	0.00	0	0.00
32	C28	E28	161	541.53	161	541.53
36	C28	E28	0	0.00	0	0.00
42	E28	C28	36	207.25	36	207.25
43	E28	C28	0	0.00	0	0.00
44	E28	E28	0	0.00	0	0.00
45	E28	E28	0	0.00	0	0.00
68	E28	G28	168	160.25	168	160.25
91	C28	F28	59	759.43	59	759.43
92	E28	F28	50	151.84	50	151.84
96	A28	C28	0	0.00	0	0.00
98	G28	E28	0	0.00	0	0.00
99	C28	B28	33	396.92	33	396.92
100	E28	B28	135	129.05	135	129.05
101	E28	E28	0	0.00	0	0.00
102	A28	C28	348	129.39	348	129.39
103	F28	B28	0	0.00	0	0.00
104	C28	G28	548	767.84	548	767.84
105	D28	H28	0	0.00	0	0.00
106	G28	C28	137	107.56	137	107.56
107	A28	B28	24	135.42	24	135.42
109	C28	G28	230	382.53	230	382.53
110	E28	G28	22	113.88	22	113.88
112	F28	G28	40	17.89	40	17.89
114	C28	H28	0	0.00	0	0.00
115	B28	C28	9	164.35	9	164.35
122	C28	C28	0	0.00	0	0.00
123	C28	C28	0	0.00	0	0.00
124	E28	C28	0	0.00	0	0.00
126	D28	C28	0	0.00	0	0.00
127	D28	C28	0	0.00	0	0.00
128	H28	C28	0	0.00	0	0.00
129	F28	C28	5	187.33	5	187.33
130	G28	C28	137	200.55	137	200.55
131	G28	E28	123	238.43	123	238.43
132	H28	C28	0	0.00	0	0.00
133	H28	E28	0	0.00	0	0.00
135	H28	E28	0	0.00	0	0.00
136	E28	E28	0	0.00	0	0.00
137	H28	G28	0	0.00	0	0.00
138	H28	G28	0	0.00	0	0.00
139	D28	E28	7	286.16	7	286.16
141	D28	E28	7	273.27	7	273.27
142	C28	H28	0	0.00	0	0.00
143	E28	H28	0	0.00	0	0.00
149	C28	B28	3	411.64	3	411.64
150	E28	B28	336	147.82	336	147.82
152	H28	B28	0	0.00	0	0.00
153	F28	B28	16	190.86	16	190.86
155	E28	C28	4	164.29	4	164.29
156	C28	G28	60	673.19	60	673.19
157	H28	B28	0	0.00	0	0.00
159	B28	E28	120	217.42	120	217.42
166	B28	C28	82	156.00	82	156.00
167	B28	E28	460	201.28	460	201.28
169	G28	B28	65	109.37	65	109.37
170	G28	B28	65	108.39	65	108.39
171	G28	H28	0	0.00	0	0.00

173	F28	E28	5	321.53	5	321.53
175	G28	C28	0	0.00	0	0.00
176	G28	E28	49	248.54	49	248.54
178	G28	E28	34	229.72	34	229.72
179	F28	E28	5	309.06	5	309.06
182	C28	C28	0	0.00	0	0.00
183	C28	C28	0	0.00	0	0.00
184	C28	C28	0	0.00	0	0.00
185	A28	B28	24	136.62	24	136.62
186	A28	C28	25	206.04	25	206.04
187	A28	E28	273	230.21	273	230.21
188	C28	H28	0	0.00	0	0.00
190	C28	C28	0	0.00	0	0.00
192	C28	C28	0	0.00	0	0.00
193	C28	C28	0	0.00	0	0.00
194	C28	C28	0	0.00	0	0.00
195	D28	G28	167	165.43	167	165.43
196	D28	F28	148	157.09	148	157.09
197	D28	G28	53	163.02	53	163.02
198	G28	D28	0	0.00	0	0.00
199	D28	B28	105	165.34	105	165.34
200	D28	B28	105	164.26	105	164.26
201	D28	C28	217	181.09	217	181.09
202	G28	E28	0	0.00	0	0.00
203	A28	D28	2	219.63	2	219.63
204	D28	C28	45	264.36	45	264.36
205	D28	E28	27	288.66	27	288.66
206	C28	D28	346	553.91	346	553.91
207	D28	E28	7	285.59	7	285.59
209	G28	C28	0	0.00	0	0.00
212	H28	D28	0	0.00	0	0.00
213	A28	E28	102	360.62	102	360.62
216	G28	B28	4	148.12	4	148.12
217	G28	B28	0	0.00	0	0.00
223	A28	E28	68	215.44	68	215.44
225	D28	E28	0	0.00	0	0.00
227	H28	E28	0	0.00	0	0.00
228	C28	A28	0	0.00	0	0.00
229	C28	A28	0	0.00	0	0.00
234	C28	G28	170	764.15	170	764.15
235	E28	G28	0	0.00	0	0.00
236	E28	H28	0	0.00	0	0.00
237	G28	F28	100	527.01	100	527.01
238	D28	B28	0	0.00	0	0.00
239	D28	B28	0	0.00	0	0.00
240	G28	C28	59	103.46	59	103.46
241	E28	C28	0	0.00	0	0.00
242	H28	C28	0	0.00	0	0.00
243	A28	F28	165	674.64	165	674.64
244	G28	E28	0	0.00	0	0.00
245	C28	C28	0	0.00	0	0.00
246	E28	C28	36	281.30	36	281.30
247	E28	E28	0	0.00	0	0.00
248	D28	C28	0	0.00	0	0.00
249	H28	C28	0	0.00	0	0.00
250	H28	E28	0	0.00	0	0.00
251	H28	E28	0	0.00	0	0.00
256	C28	C28	0	0.00	0	0.00

257	C28	H28	0	0.00	0	0.00
259	C28	C28	0	0.00	0	0.00
261	C28	C28	0	0.00	0	0.00
262	C28	C28	0	0.00	0	0.00
263	C28	C28	0	0.00	0	0.00
264	C28	C28	0	0.00	0	0.00
265	C28	C28	0	0.00	0	0.00
266	C28	B28	0	0.00	0	0.00
267	C28	B28	0	0.00	0	0.00
268	F28	C28	0	0.00	0	0.00
269	F28	E28	0	0.00	0	0.00
271	F28	E28	0	0.00	0	0.00
274	F28	C28	0	0.00	0	0.00
275	F28	C28	15	269.69	15	269.69
276	F28	E28	0	0.00	0	0.00
277	C28	E28	2	143.24	2	143.24
279	C28	E28	0	0.00	0	0.00
280	C28	G28	12	359.28	12	359.28
281	C28	F28	0	0.00	0	0.00
282	C28	G28	0	0.00	0	0.00
283	C28	H28	0	0.00	0	0.00
284	C28	G28	0	0.00	0	0.00
285	C28	H28	0	0.00	0	0.00
287	C28	C28	0	0.00	0	0.00
289	C28	C28	0	0.00	0	0.00
290	C28	C28	0	0.00	0	0.00
291	C28	B28	0	0.00	0	0.00
292	C28	B28	0	0.00	0	0.00
293	C28	G28	0	0.00	0	0.00
294	C28	C28	0	0.00	0	0.00
295	C28	C28	0	0.00	0	0.00
296	C28	B28	0	0.00	0	0.00
297	C28	B28	0	0.00	0	0.00
298	G28	C28	0	0.00	0	0.00
299	G28	E28	0	0.00	0	0.00
301	G28	E28	0	0.00	0	0.00
305	G28	C28	0	0.00	0	0.00
306	G28	E28	0	0.00	0	0.00
308	G28	E28	0	0.00	0	0.00
310	G28	C28	6	144.67	6	144.67
311	G28	A28	330	88.29	330	88.29
312	G28	A28	0	0.00	0	0.00
316	C28	A28	0	0.00	0	0.00
317	C28	A28	554	409.80	554	409.80
318	C28	A28	7	694.05	7	694.05
319	C28	A28	0	0.00	0	0.00
320	C28	A28	0	0.00	0	0.00
321	C28	A28	0	0.00	0	0.00
322	E28	A28	18	129.04	18	129.04
323	E28	A28	456	165.73	456	165.73
324	D28	A28	3	129.24	3	129.24
325	H28	A28	0	0.00	0	0.00
326	F28	A28	72	165.55	72	165.55
327	G28	D28	0	0.00	0	0.00
328	G28	D28	118	235.09	118	235.09
329	G28	D28	0	0.00	0	0.00
330	G28	D28	0	0.00	0	0.00
331	G28	D28	0	0.00	0	0.00

332	A28	D28	0	0.00	0	0.00
333	B28	D28	266	222.56	266	222.56
334	C28	D28	0	0.00	0	0.00
335	E28	D28	51	65.87	51	65.87
336	D28	D28	0	0.00	0	0.00
337	D28	D28	0	0.00	0	0.00
338	D28	D28	0	0.00	0	0.00
339	H28	D28	0	0.00	0	0.00
340	H28	D28	0	0.00	0	0.00
341	F28	D28	0	0.00	0	0.00
342	F28	D28	0	0.00	0	0.00
343	F28	D28	68	325.48	68	325.48
397	G28	G28	0	0.00	0	0.00
398	G28	G28	0	0.00	0	0.00
399	A28	G28	503	237.88	503	237.88
400	A28	H28	0	0.00	0	0.00
401	A28	A28	0	0.00	0	0.00
402	A28	A28	0	0.00	0	0.00
403	B28	G28	332	187.89	332	187.89
404	B28	H28	0	0.00	0	0.00
405	B28	A28	0	0.00	0	0.00
406	B28	A28	35	223.39	35	223.39
407	B28	B28	0	0.00	0	0.00
408	B28	B28	0	0.00	0	0.00
409	H28	H28	0	0.00	0	0.00
410	F28	H28	0	0.00	0	0.00
411	G28	G28	0	0.00	0	0.00
412	G28	G28	0	0.00	0	0.00
413	G28	G28	0	0.00	0	0.00
414	G28	F28	0	0.00	0	0.00
415	G28	G28	0	0.00	0	0.00
416	A28	G28	289	683.04	289	683.04
417	A28	G28	10	680.01	10	680.01
418	A28	H28	0	0.00	0	0.00
419	B28	G28	137	518.19	137	518.19
420	B28	F28	49	509.78	49	509.78
421	B28	G28	0	0.00	0	0.00
422	B28	H28	0	0.00	0	0.00
423	H28	F28	0	0.00	0	0.00
424	H28	H28	0	0.00	0	0.00
425	F28	F28	0	0.00	0	0.00
426	F28	H28	0	0.00	0	0.00

Final Prediction Table

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES
Arm	Traffic Stream	Name	Traffic node	Controller stream	Phase	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Wasted time total (s (per cycle))	Degree of saturation (%)	Practical reserve capacity (%)	JourneyTime (s)	Mean Delay per Veh (s)	Mean stops per Veh (%)	Mean max queue (PCU)
A	1	(untitled)	6	771-2	E	402	2050	36	0.00	62	45	22.79	17.20	63.27	5.34
	2	(untitled)	6	771-2	E	220	2050	36	3.00	34	166	18.30	12.53	52.89	2.72
	3	(untitled)	6	771-2	E	417	2050	36	3.00	64	40	20.23	14.33	49.35	5.60
	4	(untitled)	6	771-2	E	374	2050	36	1.00	58	56	20.32	14.29	57.81	3.98
Ac	1	(untitled)	6	771-2	D	1027	2263	64	8.00	83	9	20.61	13.42	38.00	6.82
	2	(untitled)	6	771-2	D	214	2263	64	46.94	17	416	11.65	2.15	58.90	3.51

	3	(untitled)	6	771-2	D	382	2263	64	18.00	31	193	9.37	2.78	50.98	5.27
Acf	1	(untitled)	6			1241	2263	120	26.00	55	64	6.18	0.96	0.00	0.33
	2	(untitled)	6			382	2263	120	68.00	17	433	7.40	0.16	0.00	0.02
Af	1	(untitled)	6			622	2050	120	36.00	30	197	7.00	0.38	0.00	0.07
	2	(untitled)	6			417	2050	120	39.00	20	342	6.82	0.22	0.00	0.03
	3	(untitled)	6			374	2050	120	37.00	18	393	6.82	0.20	0.00	0.02
B	1	(untitled)	1	769-1	B	396	2050	38	0.00	58	55	27.24	20.14	78.87	5.32
	2	(untitled)	1	769-1	B	368	2150	38	0.37	52	74	26.18	18.89	74.77	4.93
	3	(untitled)	1	769-1	B	566 <	2100	38	8.79	104	-13	172.50	165.02	222.17	32.51 +
	4	(untitled)	1	769-1	B	503	2050	38	0.00	74	22	37.17	24.88	92.13	7.75
Bc	1	(untitled)	1	769-1	A	434	2050	58	11.00	42	113	18.41	6.46	19.95	2.09
	2	(untitled)	1	769-1	A	720	2050	58	10.69	72	25	24.15	12.32	45.80	9.03
	3	(untitled)	1	769-1	A	453	2050	58	25.91	73	23	28.82	17.11	92.29	7.06
Bcf	1	(untitled)	1			1429	2263	120	100.00	63	43	5.53	1.36	0.00	0.54
	2	(untitled)	1			434	2263	120	65.00	19	369	5.54	0.19	0.00	0.02
	3	(untitled)	1			720	2263	120	37.00	32	183	5.85	0.37	0.00	0.07
	4	(untitled)	1			453	2263	120	65.00	20	350	6.33	0.20	0.00	0.03
Bf	1	(untitled)	1			764	1800	120	0.00	42	112	28.07	0.74	0.00	0.16
	2	(untitled)	1			1069	1800	120	0.00	59	52	28.87	1.46	0.00	0.43
C	1	(untitled)	2	769-2	G	551	2100	30	0.00	98	-9	106.27	91.74	158.30	19.74
	2	(untitled)	2	769-2	G	572 <	2200	30	0.00	98	-8	137.21	122.52	242.60	27.52 +
	3	(untitled)	2	769-2	G	367	2050	30	0.00	67	34	41.37	26.44	94.07	5.77
Cf	1	(untitled)	2			551	1965	120	0.00	28	221	17.71	0.36	0.00	0.05
	2	(untitled)	2			939	1965	120	0.00	48	88	18.34	0.84	0.00	0.22
D	1	(untitled)	3	770-1	B	384	2050	40	0.00	53	68	29.96	25.84	79.52	5.12
	2	(untitled)	3	770-1	B	648 <	1850	40	0.00	100	-10	105.17	101.04	130.80	21.52 +
	3	(untitled)	3	770-1	B	755 <	2250	40	1.76	100	-10	97.01	92.81	116.01	22.53 +
Dc	1	(untitled)	3	770-1	A	943 <	2100	60	0.00	87	4	23.66	19.86	60.84	9.68 +
	2	(untitled)	3	770-1	A	788	2100	60	0.00	73	24	17.44	13.79	59.18	7.88
	3	(untitled)	3	770-1	A	731 <	2100	60	20.21	100	-10	93.05	87.43	129.87	20.29 +
	4	(untitled)	3	770-1	A	870 <	2100	60	10.68	90	0	29.21	23.83	91.86	10.88 +
Dcf	1	(untitled)	3			894	2050	120	28.00	44	106	5.62	0.68	0.00	0.17
	2	(untitled)	3			1210	2100	120	46.86	83	8	17.42	12.48	52.80	10.85
	3	(untitled)	3			788	2100	120	40.56	48	87	9.13	3.68	30.20	5.73
	4	(untitled)	3			731 <	2100	120	78.21	100	-10	88.52	81.27	130.75	22.79 +
	5	(untitled)	3			870	2100	120	57.39	49	82	9.76	4.74	43.53	9.63
Df	1	(untitled)	3-2	11	B	1351 <	1900	103	39.75	133	-32	482.99	458.99	324.66	202.00 +
	2	(untitled)	3-2	11	B	820 <	2250	103	63.76	109	-17	202.92	178.92	260.50	49.98 +
Dxp	1	(untitled)	3-2	770-2	D	894	2050	101	12.00	51	75	4.91	1.41	4.69	1.60
	2	(untitled)	3-2	770-2	D	267	2050	101	53.00	15	487	4.12	0.47	2.32	0.22
Ec	1	(untitled)	4	770-3	F	711	2150	70	36.00	55	63	10.40	6.65	37.66	4.99
	2	(untitled)	4	770-3	F	1328 <	2263	70	1.56	100	-10	58.40	54.77	69.48	24.69 +
	3	(untitled)	4	770-3	F	1097	2263	70	0.00	81	11	11.34	7.83	28.59	5.29
	4	(untitled)	4	770-3	F	545	2250	70	26.00	40	123	15.21	11.77	77.01	7.01
Ecf	1	(untitled)	4			1066	2100	120	20.22	51	77	4.35	0.90	1.80	4.91
	2	(untitled)	4			1049	2100	120	18.00	50	80	4.33	0.85	0.00	0.25
	3	(untitled)	4			1328 <	2263	120	45.37	85	6	14.95	11.43	41.51	9.07 +
	4	(untitled)	4			1675	2300	120	29.66	85	5	10.67	6.83	27.35	8.22
Ef	1	(untitled)	4			841	1900	120	0.00	44	103	16.06	0.75	0.00	0.18
	2	(untitled)	4			471	1900	120	0.00	25	263	15.62	0.31	0.00	0.04
Exp	1	(untitled)	4-2	770-4	L	1066	2050	100	16.00	62	46	6.32	2.43	10.11	5.18
	2	(untitled)	4-2	770-4	L	338	2050	100	39.00	20	360	4.28	0.26	0.34	2.34
F	1	(untitled)	5	771-1	B	368	2100	20	0.00	96	-6	87.18	80.79	163.95	11.23
	2	(untitled)	5	771-1	B	213	2100	20	0.00	55	63	34.44	28.02	94.31	3.36
	3	(untitled)	5	771-1	B	310	2100	20	0.00	81	12	48.21	41.66	113.78	6.24
Fc	1	(untitled)	5	771-1	A	1546 <	2263	80	0.00	100	-10	71.53	52.44	93.61	49.61 +
	2	(untitled)	5	771-1	A	1141	2263	80	9.40	78	15	29.08	10.35	47.49	11.62
	3	(untitled)	5	771-1	A	1073	2263	80	10.88	70	28	25.20	5.80	62.74	18.68

Ff	**1**	(untitled)	5			581	1900	120	0.00	31	194	33.50	0.42	0.00	0.07
	2	(untitled)	5			310	1900	120	0.00	16	452	33.23	0.18	0.00	0.02
G	**1**	(untitled)	2	769-2	F	339	2050	28	9.46	69	30	61.39	45.32	115.70	6.43
	2	(untitled)	2	769-2	F	165	2050	28	18.73	33	172	52.40	40.95	109.66	2.84
Gf	**1**	(untitled)	4			336	2050	120	90.02	16	449	3.09	0.18	0.41	2.34
	2	(untitled)	4			135	2050	120	90.10	7	1265	2.96	0.08	1.42	2.32
xA	**1**	(untitled)	10			1724	2263	120	18.76	80	12	22.34	5.12	22.39	24.90
	2	(untitled)	10			1304	2263	120	21.40	59	52	18.70	1.45	6.92	5.10
xB	**1**	(untitled)				1429	Unrestricted	120	7.00	0	Unrestricted	7.02	0.00	0.00	0.00
xC	**1**	(untitled)				553	1900	120	58.32	46	95	15.41	6.74	55.72	9.49
	2	(untitled)				359	1900	120	68.16	28	225	11.92	3.23	46.76	4.72
xD	**1**	(untitled)				894	Unrestricted	120	13.00	0	Unrestricted	9.13	0.00	0.00	0.00
	2	(untitled)				267	Unrestricted	120	53.00	0	Unrestricted	9.21	0.00	0.00	0.00
xE	**1**	(untitled)				1066	Unrestricted	120	9.00	0	Unrestricted	13.04	0.00	0.00	0.00
	2	(untitled)				338	Unrestricted	120	44.00	0	Unrestricted	13.04	0.00	0.00	0.00
xF	**1**	(untitled)				762	Unrestricted	120	15.00	0	Unrestricted	12.33	0.00	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	408	2050	64	13.00	36	149	13.87	7.22	29.82	2.63
E1	**1**	(untitled)	4	770-3	G	313	2050	28	0.00	61	47	31.37	25.37	87.21	4.56
	2	(untitled)	4	770-3	G	528 <	2200	28	0.00	96	-6	74.44	68.44	150.64	14.48 +
Gf1	**1**	(untitled)	4			33	678	120	84.00	5	1741	5.50	1.81	31.40	0.23
Cc2	**2**	(untitled)	2	769-2	D	812	2150	66	9.86	69	31	21.96	14.93	74.03	11.01
	3	(untitled)	2	769-2	D	878 <	2050	66	16.59	100	-10	95.68	88.44	158.92	29.54 +
	4	(untitled)	2	769-2	D	819 <	2150	66	22.27	100	-10	92.02	85.16	164.56	26.23 +
	5	(untitled)	2	769-2	D	503	2050	66	38.00	43	108	24.86	16.88	104.39	11.76
E2	**3**	(untitled)	4	770-3	H	336	2150	28	0.75	64	40	30.24	26.25	89.07	5.25
	4	(untitled)	4	770-3	H	135	2050	28	0.00	26	242	23.41	19.34	77.08	2.37
TC5	**2**	(untitled)	TC771-6	TC777-1	A	1174	2263	99	7.00	62	46	5.29	2.53	8.66	3.39
	3	(untitled)	TC771-6	TC777-1	A	1304	2263	99	12.00	68	31	5.22	2.45	8.09	3.55
	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	519	1925	72	0.00	43	109	23.69	12.69	47.55	8.23
	2	(untitled)	TC771-6	TC777-1	B	397	1966	72	0.00	32	179	22.33	11.27	43.80	5.97
	3	(untitled)	TC771-6	TC777-1	B	301	1947	72	0.00	25	264	21.59	10.47	41.24	4.14
TC35	**1**	(untitled)	TC771-6	TC777-1	A	550	1900	99	8.00	34	162	5.41	2.51	14.31	2.62
TC36	**1**	(untitled)	TC771-6			226	1800	120	0.00	13	617	3.17	0.14	0.00	0.01
TC37	**1**	(untitled)	TC771-6	TC777-2	J	40	1850	105	105.00	2	3577	4.09	0.90	11.69	0.16
TC38	**1**	(untitled)	TC771-6			40	243	120	46.00	16	446	6.39	4.86	57.05	2.43
TC39	**2**	(untitled)	TC771-6			1174	2263	120	26.00	52	74	3.39	0.86	0.00	0.28
	3	(untitled)	TC771-6			1304	2263	120	31.00	58	56	3.48	1.08	0.00	0.39
TC40	**2**	(untitled)	TC771-6			1214	Unrestricted	120	14.00	0	Unrestricted	4.23	0.00	0.00	0.00
	3	(untitled)	TC771-6			1304	Unrestricted	120	18.00	0	Unrestricted	4.02	0.00	0.00	0.00
TC41	**1**	(untitled)	TC771-6	TC777-1	D	93	1850	7	0.00	75	19	99.02	95.08	125.73	3.98
	2	(untitled)	TC771-6	TC777-1	D	93	1850	7	0.00	75	19	99.05	95.08	125.73	3.98
TC42	**1**	(untitled)	TC771-6	TC777-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00
TC43	**1**	(untitled)				0	1800	120	120.00	0	Unrestricted	0.00	0.00	0.00	0.00
47	**1**	(untitled)	2			912	1300	120	14.00	70	28	19.27	3.23	0.00	0.82
48	**1**	(untitled)	2			1490	1965	120	0.00	76	19	9.46	2.85	0.00	1.18

49	1	(untitled)	TC771-6			529	1900	120	0.00	28	223	3.51	0.37	0.00	0.05
	2	(untitled)	TC771-6			698	1900	120	0.00	37	145	3.70	0.55	0.00	0.11
50	1	(untitled)	1			1833 <	1900	120	0.00	96	-7	25.33	19.55	0.00	9.95 +
51	1	(untitled)	4-2			891	1900	120	0.00	47	92	5.33	0.84	0.00	0.21
52	1		3-2	11	A	14	1800	7	6.13	19	369	83.60	59.60	100.37	0.47
53	1		TC771-6	TC777-1	J	10	1800	7	7.00	8	980	65.02	54.09	93.48	0.31
54	1		6	12	A	1429 <	1800	104	1.00	91	-1	16.52	13.52	81.31	29.23 +
55	1		4	13	A	762 <	1800	104	31.00	48	86	4.92	2.52	39.85	11.01 +

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	56	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	3	770-1	C	0	11000	56	0	Unrestricted	0.00	0.00	0.00	100	
3	1	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
4	1	(untitled)	4	770-3	J	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	J	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
5	1	(untitled)	4	770-3	I	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	I	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
6	1	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	
7	1	(untitled)	5	771-1	C	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	5	771-1	C	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
8	1	(untitled)	1	769-1	C	0	0	0	0	-100	0.00	0.00	0.00	100	
	2	(untitled)	1	769-1	C	0	0	0	0	-100	0.00	0.00	0.00	100	
9	1	(untitled)	2	769-2	J	0	11000	20	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	J	0	11000	20	0	Unrestricted	0.00	0.00	0.00	100	
10	1	(untitled)	2	769-2	K	0	11000	32	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	K	0	11000	32	0	Unrestricted	0.00	0.00	0.00	100	
11	1	(untitled)		769-2	H	0	11000	64	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		769-2	H	0	11000	64	0	Unrestricted	0.00	0.00	0.00	100	
12	1	(untitled)	2	769-2	I	0	11000	62	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	I	0	11000	62	0	Unrestricted	0.00	0.00	0.00	100	
13	1	(untitled)		TC777-1	I	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	I	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	
14	1	(untitled)		TC777-1	F	0	11000	100	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	F	0	11000	100	0	Unrestricted	0.00	0.00	0.00	100	
15	1	(untitled)		TC777-1	G	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	G	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	
16	1	(untitled)		TC777-1	H	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	H	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
17	1	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	
18	1	(untitled)	12	12	B	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	12	12	B	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	
19	1	(untitled)	13	13	B	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	13	13	B	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	

Network Results

	Distance travelled (PCU-km/hr)	Time spent (PCU-hr/hr)	Mean journey speed (kph)	Total delay (PCU-hr/hr)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Excess queue penalty (£ per hr)	Performance Index (£ per hr)
Normal traffic	7257.82	767.28	9.46	574.98	8164.73	834.02	0.00	8998.74
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	7257.82	767.28	9.46	574.98	8164.73	834.02	0.00	8998.74

- *< = 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***