TRANSYT 15

Filename: M62 JN 28 CRF Scheme_Mar 20- Scenario 4a-AM - Mitigation - LCC Scheme.t15
Path: Z:\Projects\10127ITM Capitol Park, Leeds F2 (F1A)\Tech\Transyt\TRANSYT - AGREED HE_LCC BASE MODEL (MARCH 2020)\Post-Submission Work
Report generation date: 16/07/2021 01:04:18

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

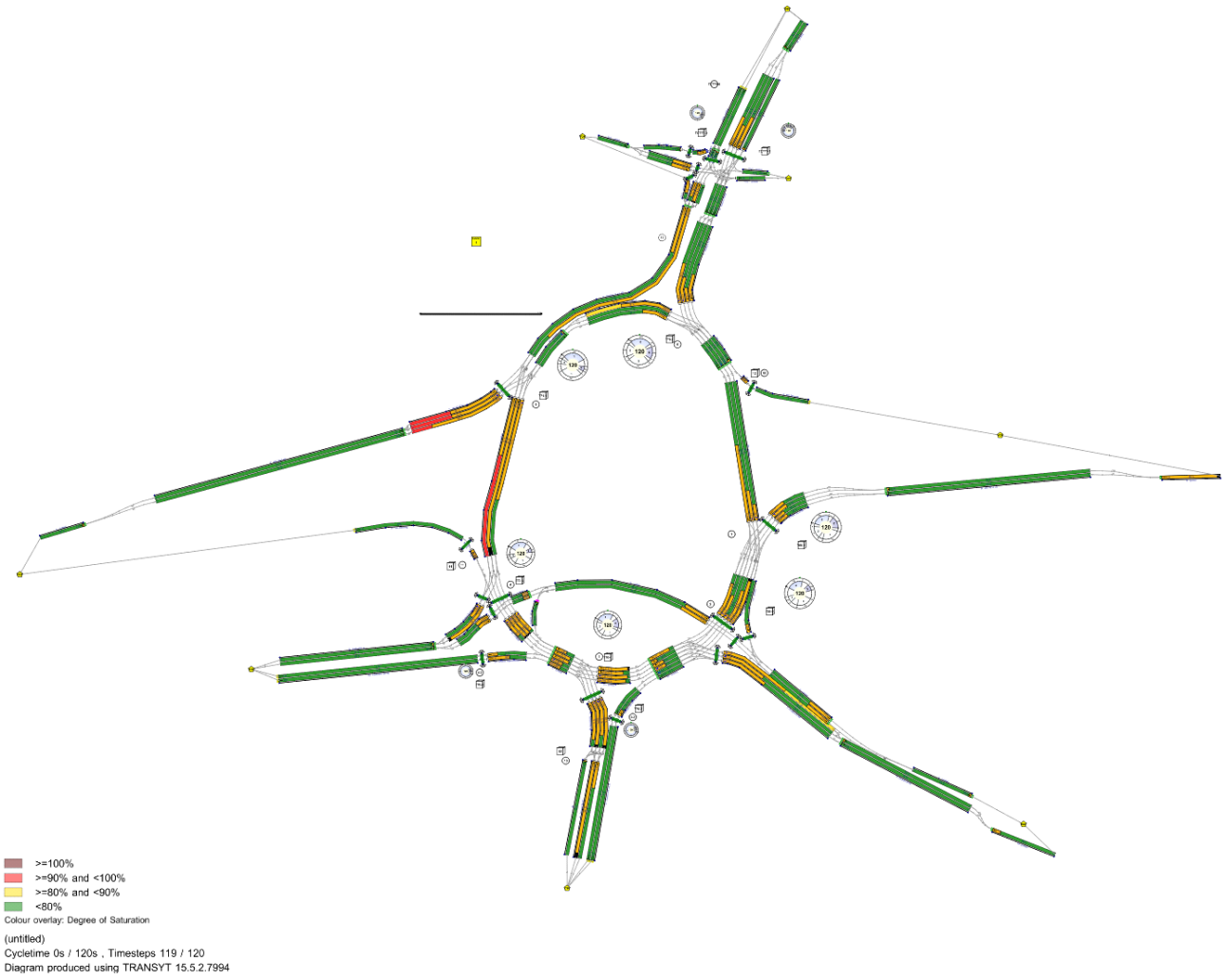
Units

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

Summary

Data Errors and Warnings

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

Run Summary

Analysis set used	Run start time	Run finish time	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Ite wit wor over PR
1	16/07/2021 01:03:42	16/07/2021 01:03:54	07:30	120	4745.30	283.34	106.63	Df/1	12	8	TC42/1	50/1	TC4

Analysis Set Details

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

Demand Set Details

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

Network Options

Network timings

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

Signals options

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

Advanced

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

Traffic options

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

Advanced

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

Normal Traffic parameters

Dispersion type	Dispersion coefficient	Travel time coefficient
Default	35	80

Normal Traffic Types

Name	PCU Factor
Normal	1.00

Bus parameters

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

Tram parameters

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

Pedestrian parameters

Dispersion type
Default

Optimisation options

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

Advanced

Optimisation type	Hill climb increments	OUTProfile accuracy	Use enhanced optimisation	Auto optimisation order	Optimisation order	Master controller	Offsets relative to master controller	Master controller offset after each run
Hill Climb (Fast)	15, 40, -1, 15, 40, 1, -1, 1	50, 50, 5, 5, 0.5, 0.5, 0.05, 0.05		✓	770-1, 770-3, 771-1, 13			Do nothing

Economics

Vehicle Monetary Value Of Delay (£ per PCU-hr)	Vehicle Monetary Value Of Stops (£ per 100 stops)	Pedestrian monetary value of delay (£ per Ped-hr)
14.20	2.60	14.20

Traffic Nodes

Traffic Nodes

Traffic node	Name	Description
(ALL)	(untitled)	

Arms and Traffic Streams

Arms

Arm	Name	Description	Traffic node
A	Dewsbury Rd SB		6
Ac	(untitled)		6
Acf	(untitled)		6
Af	Dewsbury Rd SB		6
B	M62 WB off slip		1
Bc	(untitled)		1
Bcf	(untitled)		1
Bf	M62 WB off slip		1
C	Bradford Rd WB		2
Cf	Bradford Rd WB		2
D	Dewsbury Rd NB		3
Dc	(untitled)		3
Dcf	(untitled)		3
Df	Dewsbury Rd NB		3-2
Dxp	Dewsbury Rd exit SB (ped)		3-2
Ec	(untitled)		4
Ecf	(untitled)		4
Ef	Bradford Rd EB		4
Exp	Bradford Rd exit WB (ped)		4-2
F	M62 EB off slip		5
Fc	(untitled)		5
Ff	M62 EB off slip		5
G	(untitled)		2
Gf	(untitled)		4
xA	Dewsbury Rd exit NB		10
xB	M62 EB on slip		
xC	(untitled)		
xD	Dewsbury Rd exit SB		
xE	Bradford Rd exit WB		
xF	M62 WB on slip		
Cc1	(untitled)		2
E1	Bradford Rd EB (left)		4
Gf1	(untitled)		4
Cc2	(untitled)		2
E2	Bradford Rd EB (ahead)		4
TC5	(untitled)		TC771-6
TC9	(untitled)		TC771-6
TC35	(untitled)		TC771-6
TC36	(untitled)		TC771-6
TC37	(untitled)		TC771-6
TC38	(untitled)		TC771-6
TC39	(untitled)		TC771-6
TC40	(untitled)		TC771-6
TC41	(untitled)		TC771-6
TC42	(untitled)		TC771-6
TC43	(untitled)		
47	(untitled)		2
48	(untitled)		2
49	(untitled)		TC771-6
50	(untitled)		1
51	(untitled)		4-2
52			4
53			6
55			TC771-6
56			3-2

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto length	Length (m)	Has Saturation Flow	Saturation flow source	Saturation flow (PCU/hr)	Auto-calculate cell saturation flow	Cell saturation flow (PCU/hr)	Is signal controlled	Is give way	Traffic type	Allow Nearside Turn On Red
A	1	(untitled)	M62E	✓	74.52	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.88	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.61	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.35	✓	Directly entered	2050		2050	✓		Normal	
Ac	1	(untitled)	M62E	✓	95.80	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Wake	✓	92.34	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.95	✓	Directly entered	2263		2263	✓		Normal	
Acf	1	(untitled)		✓	69.38	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	70.22	✓	Directly entered	2263		2263			Normal	
Af	1	(untitled)	M62E/Wake	✓	54.98	✓	Directly entered	2050		2050			Normal	
	2	(untitled)	Dews	✓	54.73	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	54.86	✓	Directly entered	2050		2050			Normal	
B	1	(untitled)	Wake/Dews	✓	94.67	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Brad	✓	97.18	✓	Directly entered	2150		2150	✓		Normal	
	3	(untitled)	Leeds	✓	99.69	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)		✓	102.42	✓	Directly entered	2050		2050	✓		Normal	
Bc	1	(untitled)	Wake	✓	132.94	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Dews	✓	131.59	✓	Directly entered	2050		2263	✓		Normal	
	3	(untitled)	Brad/M62W	✓	130.23	✓	Directly entered	2050		2050	✓		Normal	
Bcf	1	(untitled)		✓	62.67	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	63.14	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.35	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.25	✓	Directly entered	2263		2050			Normal	
Bf	1	(untitled)		✓	227.81	✓	Sum of lanes	1800		1600			Normal	
	2	(untitled)		✓	228.44	✓	Sum of lanes	1800		1700			Normal	
C	1	(untitled)	Dews/Brad	✓	121.13	✓	Directly entered	2100		2050	✓		Normal	
	2	(untitled)	M62W/Brad/Leeds	✓	122.36	✓	Directly entered	2200		2100	✓		Normal	
	3	(untitled)	Leeds/M62E	✓	124.35	✓	Directly entered	2050		1900	✓		Normal	
Cf	1	(untitled)		✓	144.60	✓	Sum of lanes	1965		1965			Normal	
	2	(untitled)		✓	145.86	✓	Sum of lanes	1965		1965			Normal	
	1	(untitled)	Brad/M62		55.00	✓	Directly entered	2050		2050	✓		Normal	

D	**2**	(untitled)	Leeds		55.00	✓	Directly entered	1850		2075	✓		Normal	
	3	(untitled)	Leeds/M62/Wake	✓	55.60	✓	Directly entered	2250		2250	✓		Normal	
	4	(untitled)	Leeds/M62/Wake	✓	59.33	✓	Directly entered	2250		2250	✓		Normal	
Dc	**1**	(untitled)	Brad	✓	50.27	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.34	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	46.42	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	44.49	✓	Directly entered	2100		2100	✓		Normal	
Dcf	**1**	(untitled)		✓	65.95	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	65.92	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	66.37	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	66.58	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	66.90	✓	Directly entered	2100		2100			Normal	
	6	(untitled)		✓	67.13	✓	Directly entered	2100		2100			Normal	
Df	**1**	(untitled)			200.00	✓	Sum of lanes	1900			✓		Normal	
	2	(untitled)			200.00	✓	Directly entered	2250			✓		Normal	
Dxp	**1**	(untitled)		✓	46.62	✓	Directly entered	2050			✓		Normal	
	2	(untitled)		✓	48.64	✓	Directly entered	2050			✓		Normal	
Ec	**1**	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal	
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)	M62E	✓	45.11	✓	Directly entered	2250		2250	✓		Normal	
Ecf	**1**	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal	
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	46.93	✓	Directly entered	2263		2263			Normal	
	4	(untitled)		✓	47.50	✓	Directly entered	2300		2300			Normal	
	5	(untitled)		✓	48.55	✓	Directly entered	2300		2300			Normal	
Ef	**1**	(untitled)		✓	127.54	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal	
Exp	**1**	(untitled)		✓	51.37	✓	Directly entered	2050		2100	✓		Normal	
	2	(untitled)		✓	53.23	✓	Directly entered	2050		2100	✓		Normal	
F	**1**	(untitled)	Leeds	✓	85.16	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.24	✓	Directly entered	2100		2100	✓		Normal	
	1	(untitled)	Leeds	✓	182.36	✓	Directly entered	2263		2263	✓		Normal	

Fc	**2**	(untitled)	Leeds	✓	180.86	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	M62E/Dews	✓	179.86	✓	Directly entered	2263		2263	✓		Normal	
Ff	**1**	(untitled)		✓	275.15	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	274.83	✓	Sum of lanes	1900		1900			Normal	
G	**1**	(untitled)		✓	156.15	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)		✓	152.60	✓	Directly entered	2050		2050	✓		Normal	
Gf	**1**	(untitled)		✓	38.89	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	38.45	✓	Directly entered	2050		2050			Normal	
xA	**1**	(untitled)		✓	229.62	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	229.90	✓	Directly entered	2263		2263			Normal	
xB	**1**	(untitled)		✓	54.14								Normal	
xC	**1**	(untitled)		✓	115.60	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	115.98	✓	Sum of lanes	1900		1900			Normal	
xD	**1**	(untitled)		✓	121.71								Normal	
	2	(untitled)		✓	122.74								Normal	
xE	**1**	(untitled)		✓	173.78								Normal	
	2	(untitled)		✓	173.74								Normal	
xF	**1**	(untitled)		✓	106.54								Normal	
Cc1	**1**	(untitled)	Wake	✓	95.84	✓	Directly entered	2050		2050	✓		Normal	
E1	**1**	(untitled)	M62W/Leeds		80.00	✓	Directly entered	2050		1900	✓		Normal	
	2	(untitled)	Leeds/M62E		80.00	✓	Directly entered	2200		2100	✓		Normal	
Gf1	**1**	(untitled)		✓	47.81							✓	Normal	
Cc2	**2**	(untitled)	Dews	✓	90.61	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	89.28	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	90.72	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	88.37	✓	Directly entered	2050		2050	✓		Normal	
	6	(untitled)	Leeds	✓	87.95	✓	Directly entered	2050		2050	✓		Normal	
E2	**3**	(untitled)	Wake	✓	53.28	✓	Directly entered	2150		2050	✓		Normal	
	4	(untitled)	Wake	✓	54.33	✓	Directly entered	2050		2050	✓		Normal	
TC5	**2**	(untitled)		✓	23.03	✓	Sum of lanes	2263		2263	✓		Normal	
	3	(untitled)		✓	23.02	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)		✓	24.43	✓	Sum of lanes	1800		2263	✓		Normal	
TC9	**1**	(untitled)		✓	91.71	✓	Directly entered	1925		1925	✓		Normal	
	2	(untitled)		✓	92.11	✓	Sum of lanes	1966		1966	✓		Normal	
	3	(untitled)		✓	92.69	✓	Sum of lanes	1947		1947	✓		Normal	
TC35	**1**	(untitled)		✓	24.16	✓	Directly entered	1900		2263	✓		Normal	
TC36	**1**	(untitled)		✓	25.22	✓	Sum of lanes	1800					Normal	

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

Lanes

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

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

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

Modelling

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

Acf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
Af	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
B	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Bc	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Bcf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Bf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
C	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Cf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
D	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Dc	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Dcf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
	6	CTM	100	100	100		0.00							
Df	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Dxp	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Ec	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Ecf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
Ef	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Exp	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
F	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	1	CTM	100	100	100		0.00							

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

Modelling - Advanced

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

Normal traffic - Modelling

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

Normal traffic - Advanced

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

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)
A	1	402	402
	2	160	160
	3	341	341
	4	510	510
Ac	1	1073	1073
	2	213	213
	3	381	381
Acf	1	1286	1286
	2	381	381
Af	1	562	562
	2	341	341
	3	510	510
B	1	395	395
	2	399	399
	3	527	527
	4	511	511
Bc	1	373	373
	2	508	508
	3	724	724
Bcf	1	1475	1475
	2	373	373
	3	508	508
	4	724	724
Bf	1	794	794
	2	1038	1038
C	1	477	477
	2	460	460
	3	553	553
Cf	1	477	477
	2	1013	1013
D	1	509	509
	2	591	591
	3	491	491
	4	594	594
Dc	1	892	892
	2	849	849
	3	739	739
	4	881	881
Dcf	1	953	953
	2	209	209
	3	892	892
	4	849	849
	5	739	739

	6	881	881
Df	1	1086	1086
	2	1085	1085
Dxp	1	953	953
	2	209	209
Ec	1	800	800
	2	1330	1330
	3	1337	1337
	4	593	593
Ecf	1	974	974
	2	1275	1275
	3	1330	1330
	4	1337	1337
	5	629	629
Ef	1	841	841
	2	471	471
Exp	1	974	974
	2	475	475
F	1	290	290
	2	290	290
	3	309	309
Fc	1	1548	1548
	2	1371	1371
	3	1131	1131
Ff	1	580	580
	2	309	309
G	1	259	259
	2	248	248
Gf	1	241	241
	2	230	230
xA	1	1688	1688
	2	1584	1584
xB	1	1475	1475
xC	1	464	464
	2	448	448
xD	1	953	953
	2	209	209
xE	1	974	974
	2	475	475
xF	1	851	851
Cc1	1	405	405
E1	1	303	303
	2	538	538
Gf1	1	36	36
Cc2	2	871	871
	3	389	389
	4	705	705
	5	556	556
	6	511	511
E2	3	241	241
	4	230	230
TC5	2	1117	1117
	3	1584	1584
	4	0	0
TC9	1	459	459
	2	333	333
	3	422	422
TC35	1	571	571

TC36	**1**	226	226
TC37	**1**	40	40
TC38	**1**	40	40
TC39	**2**	1117	1117
	3	1584	1584
TC40	**2**	1157	1157
	3	1584	1584
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**	471	471
	2	755	755
50	**1**	1832	1832
51	**1**	889	889
52	**1**	851	851
53	**1**	1475	1475
55	**1**	12	12
56	**1**	14	14

Signals

Arm	Traffic Stream	Controller stream	Phase	Second phase enabled
A	**1**	771-2	E	
	2	771-2	E	
	3	771-2	E	
	4	771-2	E	
Ac	**1**	771-2	D	
	2	771-2	D	
	3	771-2	D	
B	**1**	769-1	B	
	2	769-1	B	
	3	769-1	B	
	4	769-1	B	
Bc	**1**	769-1	A	
	2	769-1	A	
	3	769-1	A	
C	**1**	769-2	G	
	2	769-2	G	
	3	769-2	G	
D	**1**	770-1	B	
	2	770-1	B	
	3	770-1	B	
	4	770-1	B	
Dc	**1**	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
Df	**1**	13	B	
	2	13	B	
Dxp	**1**	770-2	D	
	2	770-2	D	
Ec	**1**	770-3	F	
	2	770-3	F	
	3	770-3	F	
	4	770-3	F	

Exp	1	770-4	L	
	2	770-4	L	
F	1	771-1	B	
	2	771-1	B	
	3	771-1	B	
Fc	1	771-1	A	
	2	771-1	A	
	3	771-1	A	
G	1	769-2	F	
	2	769-2	F	
Cc1	1	769-2	E	
E1	1	770-3	G	
	2	770-3	G	
Cc2	2	769-2	D	
	3	769-2	D	
	4	769-2	D	
	5	769-2	D	
	6	769-2	D	
E2	3	770-3	H	
	4	770-3	H	
TC5	2	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	1	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	1	TC777-1	A	
TC37	1	TC777-2	J	
TC41	1	TC777-1	D	
	2	TC777-1	D	
TC42	1	TC777-1	E	
52	1	11	A	
53	1	12	A	
55	1	TC777-1	J	
56	1	13	A	

Entry Sources

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

Sources

Arm	Traffic Stream	Source	Source traffic stream	Destination traffic stream	Cruise time for Normal Traffic (s)	Cruise speed for Normal Traffic (kph)	Auto turning radius	Traffic turn style	Turning radius (m)
	1	1	Af/1	A/1	5.59	48.00	✓	Straight	Straight Movement

A	2	1	Af/1	A/2	5.77	48.00	✓	Straight	Straight Movement
	3	1	Af/2	A/3	5.90	48.00	✓	Straight	Straight Movement
	4	1	Af/3	A/4	6.03	48.00	✓	Straight	Straight Movement
Ac	1	1	Acf/1	Ac/1	7.19	48.00	✓	Offside	48.59
	2	1	Acf/1	Ac/2	9.50	35.00	✓	Offside	46.08
	3	1	Acf/2	Ac/3	6.60	48.00	✓	Offside	42.76
Acf	1	1	F/2	Acf/1	5.20	48.00	✓	Straight	Straight Movement
	2	1	F/3	Acf/2	7.22	35.00	✓	Straight	Straight Movement
Af	1	1	TC42/1	Af/1	6.60	30.00	✓	Nearside	10.60
	2	1	TC42/1	Af/2	6.57	30.00	✓	Nearside	10.60
	3	1	TC42/1	Af/3	6.58	30.00	✓	Nearside	10.60
B	1	1	Bf/1	B/1	7.10	48.00	✓	Straight	Straight Movement
	2	1	Bf/1	B/2	7.29	48.00	✓	Straight	Straight Movement
	3	1	Bf/2	B/3	7.48	48.00	✓	Straight	Straight Movement
	4	1	Bf/2	B/4	12.29	30.00	✓	Straight	Straight Movement
Bc	1	1	Bcf/2	Bc/1	9.97	48.00	✓	Offside	39.60
	2	1	Bcf/3	Bc/2	9.87	48.00	✓	Offside	36.29
	3	1	Bcf/4	Bc/3	9.77	48.00	✓	Offside	32.97
Bcf	1	1	A/1	Bcf/1	4.70	48.00	✓	Nearside	68.65
	2	1	A/2	Bcf/2	6.69	34.00	✓	Nearside	71.96
	3	1	A/3	Bcf/3	6.60	34.00	✓	Nearside	75.27
	4	1	A/4	Bcf/4	6.59	34.00	✓	Nearside	78.59
Bf	1	1	50/1	Bf/1	27.34	30.00	✓	Straight	Straight Movement
	2	1	50/1	Bf/2	27.41	30.00	✓	Straight	Straight Movement
C	1	1	Cf/1	C/1	14.54	30.00	✓	Offside	59.30
	2	1	Cf/2	C/2	14.68	30.00	✓	Offside	55.98
	3	1	Cf/2	C/3	14.92	30.00	✓	Offside	53.27
Cf	1	1	48/1	Cf/1	17.35	30.00	✓	Straight	Straight Movement
	2	1	48/1	Cf/2	17.50	30.00	✓	Straight	Straight Movement
D	1	1	Df/1	D/1	4.13	48.00	✓	Straight	Straight Movement
	2	1	Df/1	D/2	4.13	48.00	✓	Straight	Straight Movement
	3	1	Df/2	D/3	4.17	48.00	✓	Straight	Straight Movement
	4	1	Df/2	D/4	4.45	48.00	✓	Straight	Straight Movement
Dc	1	1	Dcf/3	Dc/1	3.77	48.00	✓	Offside	52.98
	2	1	Dcf/4	Dc/2	3.63	48.00	✓	Offside	49.67
	3	1	Dcf/5	Dc/3	3.48	48.00	✓	Offside	46.35
	4	1	Dcf/6	Dc/4	3.34	48.00	✓	Offside	43.04
Dcf	1	1	Cc2/2	Dcf/1	4.95	48.00	✓	Straight	Straight Movement
	2	1	Cc2/4	Dcf/2	4.94	48.00	✓	Straight	Straight Movement
	3	1	Cc2/4	Dcf/3	4.98	48.00	✓	Straight	Straight Movement
	4	1	C/2	Dcf/4	4.99	48.00	✓	Nearside	58.86
	5	1	Cc2/5	Dcf/5	5.02	48.00	✓	Straight	Straight Movement
	6	1	C/3	Dcf/6	5.04	48.00	✓	Nearside	62.17

Dxp	**1**	**1**	Dcf/1	Dxp/1	3.50	48.00	✓	Nearside	80.62
	2	**1**	Dcf/2	Dxp/2	3.65	48.00	✓	Nearside	83.93
Ec	**1**	**1**	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42
	2	**1**	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	**1**	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	**1**	Ecf/5	Ec/4	3.38	48.00	✓	Offside	66.48
Ecf	**1**	**1**	Dc/1	Ecf/1	3.45	48.00	✓	Offside	76.11
	2	**1**	Dc/2	Ecf/2	3.48	48.00	✓	Offside	72.80
	3	**1**	Dc/3	Ecf/3	3.52	48.00	✓	Offside	69.49
	4	**1**	Dc/4	Ecf/4	3.56	48.00	✓	Offside	66.17
	5	**1**	Dc/4	Ecf/5	3.64	48.00	✓	Offside	62.86
Exp	**1**	**1**	Ecf/1	Exp/1	3.85	48.00	✓	Nearside	52.96
	2	**1**	Ecf/2	Exp/2	3.99	48.00	✓	Nearside	56.27
F	**1**	**1**	Ff/1	F/1	6.39	48.00	✓	Straight	Straight Movement
	2	**1**	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement
	3	**1**	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	**1**	**1**	Ec/2	Fc/1	18.76	35.00	✓	Straight	Straight Movement
	2	**1**	Ec/3	Fc/2	18.60	35.00	✓	Straight	Straight Movement
	3	**1**	Ec/4	Fc/3	18.50	35.00	✓	Straight	Straight Movement
Ff	**1**	**1**	51/1	Ff/1	33.02	30.00	✓	Straight	Straight Movement
	2	**1**	51/1	Ff/2	32.98	30.00	✓	Straight	Straight Movement
G	**1**	**1**	Gf/1	G/1	16.06	35.00	✓	Offside	96.83
	2	**1**	Gf/2	G/2	11.45	48.00	✓	Offside	93.51
Gf	**1**	**1**	E2/3	Gf/1	2.92	48.00	✓	Straight	Straight Movement
	2	**1**	E2/4	Gf/2	2.88	48.00	✓	Straight	Straight Movement
xA	**1**	**1**	F/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	**1**	Fc/2	xA/2	17.24	48.00	✓	Straight	Straight Movement
xB	**1**	**1**	53/1	xB/1	4.06	48.00	✓	Nearside	24.23
xC	**1**	**1**	G/1	xC/1	8.67	48.00	✓	Straight	Straight Movement
	2	**1**	G/2	xC/2	8.70	48.00	✓	Straight	Straight Movement
xD	**1**	**1**	Dxp/1	xD/1	9.13	48.00	✓	Nearside	30.26
	2	**1**	Dxp/2	xD/2	9.21	48.00	✓	Nearside	33.58
xE	**1**	**1**	Exp/1	xE/1	13.03	48.00	✓	Straight	Straight Movement
	2	**1**	Exp/2	xE/2	13.03	48.00	✓	Straight	Straight Movement
xF	**1**	**1**	52/1	xF/1	7.99	48.00	✓	Nearside	22.19
Cc1	**1**	**1**	B/1	Cc1/1	8.63	40.00	✓	Straight	Straight Movement
E1	**1**	**1**	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	**1**	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96
Gf1	**1**	**1**	Ecf/5	Gf1/1	3.59	48.00	✓	Offside	21.77
Cc2	**2**	**1**	B/1	Cc2/2	8.15	40.00	✓	Straight	Straight Movement
	3	**1**	B/3	Cc2/3	8.04	40.00	✓	Straight	Straight Movement
	4	**1**	B/2	Cc2/4	8.16	40.00	✓	Straight	Straight Movement
	5	**1**	B/3	Cc2/5	7.95	40.00	✓	Straight	Straight Movement

	6	1	B/4	Cc2/6	7.92	40.00	✓	Straight	Straight Movement
E2	3	1	Ef/2	E2/3	4.00	48.00	✓	Nearside	43.25
	4	1	Ef/2	E2/4	4.07	48.00	✓	Nearside	43.25
TC5	2	1	xA/1	TC5/2	2.76	30.00	✓	Straight	Straight Movement
	3	1	xA/2	TC5/3	2.76	30.00	✓	Straight	Straight Movement
	4	1	xA/2	TC5/4	2.93	30.00	✓	Straight	Straight Movement
TC9	1	1	49/1	TC9/1	11.00	30.00	✓	Straight	Straight Movement
	2	1	49/2	TC9/2	11.05	30.00	✓	Straight	Straight Movement
	3	1	49/2	TC9/3	11.12	30.00	✓	Straight	Straight Movement
TC35	1	1	xA/1	TC35/1	2.90	30.00	✓	Straight	Straight Movement
TC37	1	1	TC36/1	TC37/1	3.19	50.00	✓	Nearside	46.04
TC38	1	1	TC37/1	TC38/1	1.53	50.00	✓	Straight	Straight Movement
TC39	2	1	TC5/2	TC39/2	2.54	50.00	✓	Straight	Straight Movement
	3	1	TC5/3	TC39/3	2.40	50.00	✓	Straight	Straight Movement
TC40	2	1	TC38/1	TC40/2	4.23	50.00	✓	Nearside	11.92
	3	1	TC39/3	TC40/3	4.02	50.00	✓	Offside	77.43
TC41	1	1	TC36/1	TC41/1	3.93	50.00	✓	Straight	Straight Movement
	2	1	TC36/1	TC41/2	3.97	50.00	✓	Straight	Straight Movement
TC43	1	1	TC9/1	TC43/1	3.74	50.00	✓	Nearside	6.11
47	1	1	xC/1	47/1	16.04	30.00	✓	Straight	Straight Movement
52	1	1	Ec/1	52/1	1.50	48.00	✓	Straight	Straight Movement
53	1	1	Bcf/1	53/1	1.88	48.00	✓	Nearside	76.13
55	1	1	49/1	55/1	10.92	30.00	✓	Straight	Straight Movement
Acf	1	2	Fc/3	Acf/1	5.20	48.00	✓	Offside	94.99
	2	2	Fc/3	Acf/2	7.22	35.00	✓	Offside	92.02
Af	1	2	TC9/1	Af/1	6.60	30.00	✓	Straight	Straight Movement
	2	2	TC9/2	Af/2	6.57	30.00	✓	Straight	Straight Movement
	3	2	TC9/3	Af/3	6.58	30.00	✓	Straight	Straight Movement
Bcf	1	2	Ac/1	Bcf/1	3.96	57.00	✓	Offside	93.05
	2	2	Ac/2	Bcf/2	3.99	57.00	✓	Offside	89.74
	3	2	Ac/3	Bcf/3	3.94	57.00	✓	Offside	86.42
	4	2	Ac/3	Bcf/4	3.93	57.00	✓	Offside	86.42
D	1	2	56/1	D/1	4.13	48.00	✓	Straight	Straight Movement
	2	2	56/1	D/2	4.13	48.00	✓	Straight	Straight Movement
	3	2	56/1	D/3	4.17	48.00	✓	Straight	Straight Movement
	4	2	56/1	D/4	4.45	48.00	✓	Straight	Straight Movement
Dcf	1	2	C/1	Dcf/1	4.95	48.00	✓	Nearside	55.54
	2	2	C/1	Dcf/2	4.94	48.00	✓	Nearside	55.54
	3	2	C/1	Dcf/3	4.98	48.00	✓	Nearside	55.54
	4	2	Cc2/3	Dcf/4	4.99	48.00	✓	Straight	Straight Movement
	5	2	C/3	Dcf/5	5.02	48.00	✓	Nearside	62.17

	6	2	Cc2/6	Dcf/6	5.04	48.00	✓	Offside	96.74
Ecf	1	2	D/1	Ecf/1	3.45	48.00	✓	Nearside	43.36
	2	2	D/1	Ecf/2	3.48	48.00	✓	Nearside	43.36
	3	2	D/2	Ecf/3	3.52	48.00	✓	Nearside	46.68
	4	2	D/3	Ecf/4	3.56	48.00	✓	Nearside	49.99
	5	2	D/4	Ecf/5	3.64	48.00	✓	Nearside	53.30
Fc	1	2	E1/1	Fc/1	20.52	32.00	✓	Nearside	57.49
	2	2	E1/1	Fc/2	20.35	32.00	✓	Nearside	57.49
	3	2	E1/2	Fc/3	20.23	32.00	✓	Nearside	60.81
G	1	2	Gf1/1	G/1	16.06	35.00	✓	Offside	17.91
	2	2	Gf1/1	G/2	11.45	48.00	✓	Offside	15.13
xA	1	2	Fc/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	2	Fc/1	xA/2	17.24	48.00	✓	Straight	Straight Movement
xC	1	2	Cc1/1	xC/1	8.67	48.00	✓	Nearside	56.51
	2	2	Cc1/1	xC/2	8.70	48.00	✓	Nearside	57.28
Cc1	1	2	Bc/1	Cc1/1	6.39	54.00	✓	Straight	Straight Movement
Cc2	2	2	Bc/1	Cc2/2	10.87	30.00	✓	Straight	Straight Movement
	3	2	Bc/3	Cc2/3	10.71	30.00	✓	Offside	99.23
	4	2	Bc/3	Cc2/4	10.89	30.00	✓	Straight	Straight Movement
	5	2	Bc/3	Cc2/5	10.60	30.00	✓	Offside	95.92
	6	2	Bc/3	Cc2/6	10.55	30.00	✓	Offside	92.60
TC39	2	2	TC42/1	TC39/2	2.54	50.00	✓	Offside	9.44
	3	2	TC42/1	TC39/3	2.40	50.00	✓	Offside	9.44
TC40	2	2	TC39/2	TC40/2	4.23	50.00	✓	Offside	80.74
TC43	1	2	TC5/4	TC43/1	3.74	50.00	✓	Offside	21.45
47	1	2	xC/2	47/1	16.04	30.00	✓	Straight	Straight Movement
52	1	2	E1/1	52/1	1.50	48.00	✓	Nearside	38.64
Acf	1	3	Fc/2	Acf/1	5.20	48.00	✓	Offside	95.33
Af	1	3	TC41/1	Af/1	6.60	30.00	✓	Offside	6.19
	2	3	TC41/2	Af/2	6.57	30.00	✓	Offside	6.00
	3	3	TC41/2	Af/3	6.58	30.00	✓	Offside	6.00
Bcf	2	3	Ac/3	Bcf/2	3.99	57.00	✓	Offside	86.42
xA	2	3	F/2	xA/2	17.24	48.00	✓	Straight	Straight Movement
Cc2	2	3	Bc/2	Cc2/2	10.87	30.00	✓	Straight	Straight Movement
Af	1	4	55/1	Af/1	6.60	30.00	✓	Straight	Straight Movement
	2	4	55/1	Af/2	6.57	30.00	✓	Straight	Straight Movement
	3	4	55/1	Af/3	6.58	30.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

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

Pedestrian Crossings

Pedestrian Crossings

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

Pedestrian Crossings - Signals

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

Pedestrian Crossings - Sides

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

Pedestrian Crossings - Modelling

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

Local OD Matrix - Local Matrix: 1

Local Matrix Options

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

Normal Input Flows (PCU/hr)

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	0	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, 56/1	xD/1, xD/2	#804000
	D28	(untitled)	51/1	xF/1	#FF00FF
	E28	(untitled)	Ef/2, Ef/1	xE/1, xE/2	#FF8000
	F28	(untitled)	TC36/1	TC35/1	#FFA500
	G28	(untitled)	49/2, 49/1	TC40/2, TC40/3	#0000FF
	H28	(untitled)	TC42/1	TC43/1	#008000

Normal Paths and Flows

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

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

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

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

Signal Timings

Network Default: 120s cycle time; 120 steps

Controller Stream 11

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

Controller Stream 11 - Properties

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

Controller Stream 11 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
11	**1**	(untitled)	Single	1, 2	78, 90

Intergreen Matrix for Controller Stream 11

		To	
		A	B
From	A		5
	B	5	

Banned Stage transitions for Controller Stream 11

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 11

		To	
		1	2
From	1	0	5
	2	5	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
11	1	✓	1	A	95	78	103	1	7
	2	✓	2	B	83	90	7	1	6

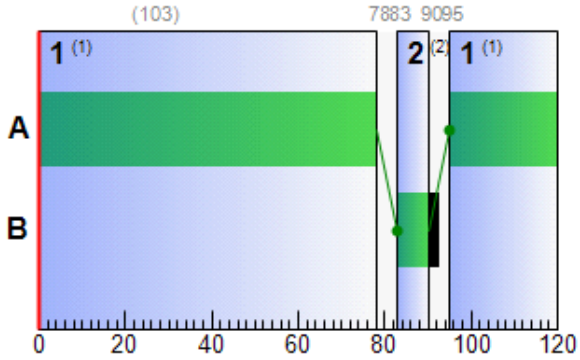
Resultant Phase Green Periods

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

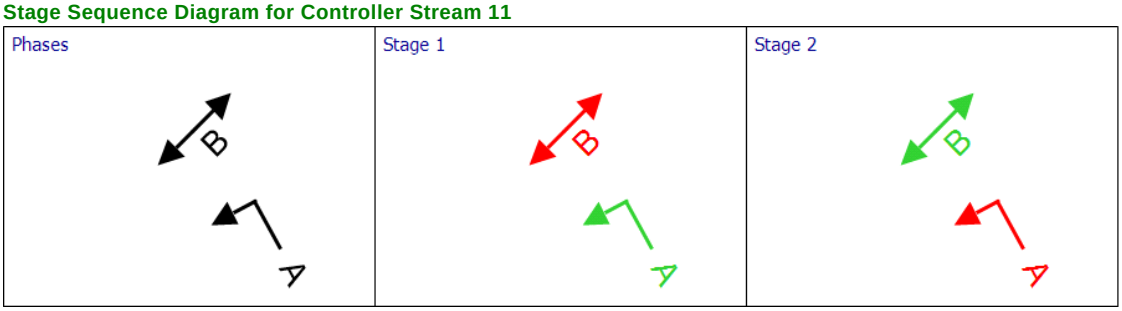
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 11



Stage Sequence Diagram for Controller Stream 11



Controller Stream 12

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

Controller Stream 12 - Properties

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

Controller Stream 12 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 12

		To	
		A	B
From	A		5
	B	5	

Banned Stage transitions for Controller Stream 12

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 12

		To	
		1	2
From	1	0	5
	2	5	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
12	1	✓	1	A	95	78	103	1	7
	2	✓	2	B	83	90	7	1	6

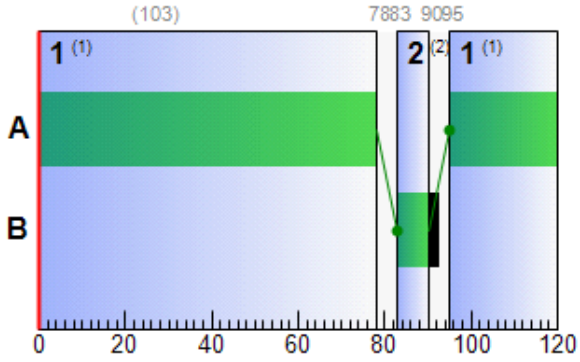
Resultant Phase Green Periods

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

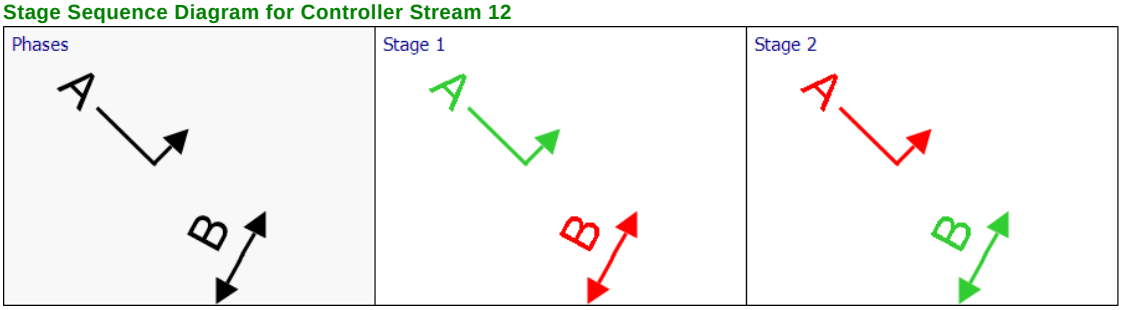
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 12



Stage Sequence Diagram for Controller Stream 12



Controller Stream 13

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

Controller Stream 13 - Properties

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

Controller Stream 13 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
13	1	(untitled)	Single	1, 2	7, 115

Intergreen Matrix for Controller Stream 13

		To	
		A	B
From	A		5
	B	5	

Banned Stage transitions for Controller Stream 13

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 13

		To	
		1	2
From	1	0	5
	2	5	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
13	1	✓	1	A	0	7	7	1	7
	2	✓	2	B	12	115	103	1	7

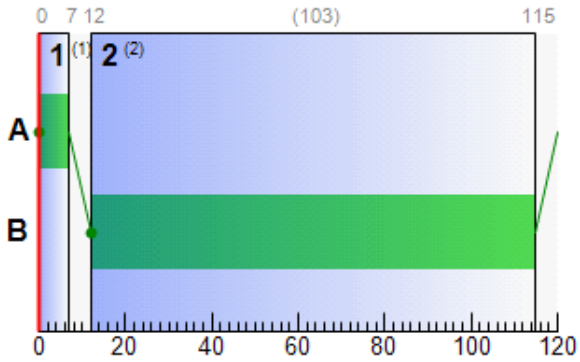
Resultant Phase Green Periods

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

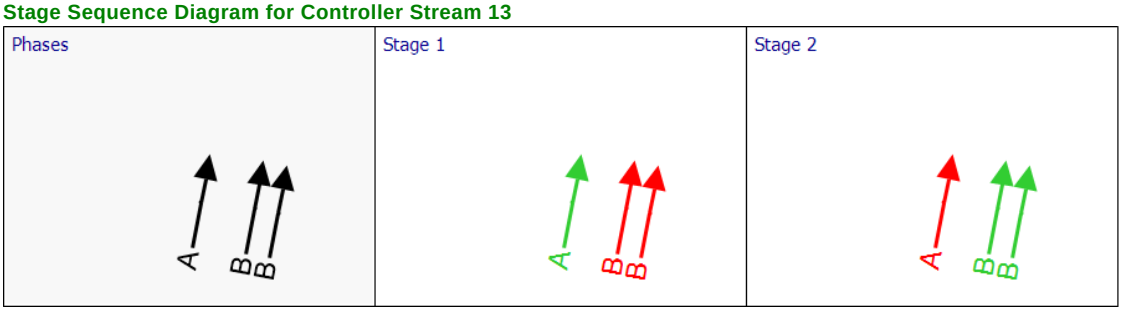
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 13



Stage Sequence Diagram for Controller Stream 13



Controller Stream 769-1

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

Controller Stream 769-1 - Properties

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

Controller Stream 769-1 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 769-1

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

Banned Stage transitions for Controller Stream 769-1

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

Interstage Matrix for Controller Stream 769-1

		To	
		1	2
From	1	0	7
	2	5	0

Resultant Stages

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

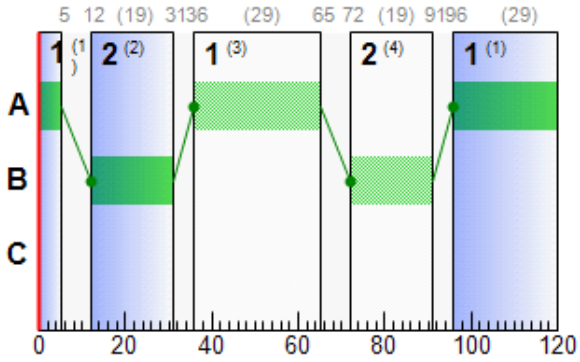
Resultant Phase Green Periods

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

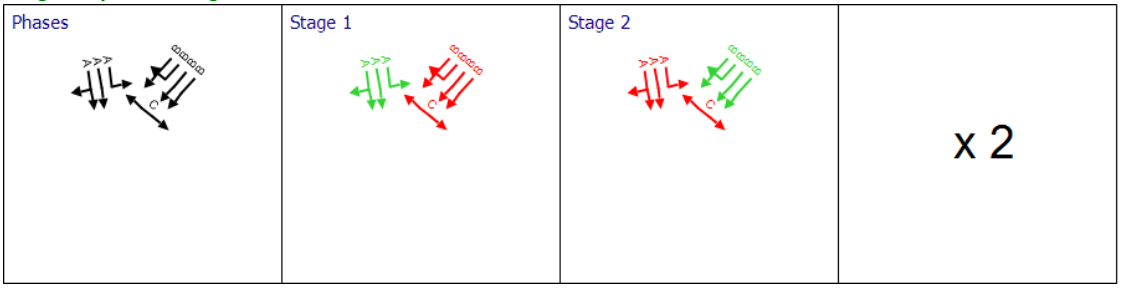
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 769-1



Stage Sequence Diagram for Controller Stream 769-1



Controller Stream 769-2

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

Controller Stream 769-2 - Properties

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

Controller Stream 769-2 - Optimisation

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

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 769-2

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

Banned Stage transitions for Controller Stream 769-2

		To		
		4	5	6
From	4			
	5			
	6			

Interstage Matrix for Controller Stream 769-2

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

Resultant Stages

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

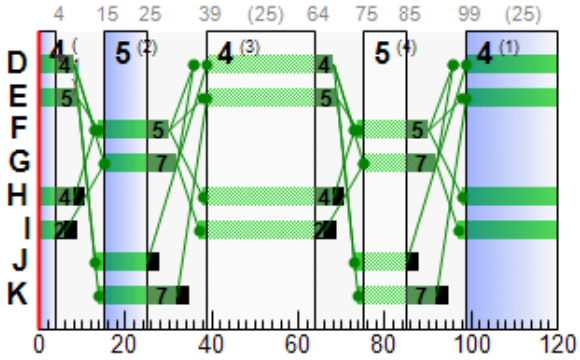
Resultant Phase Green Periods

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

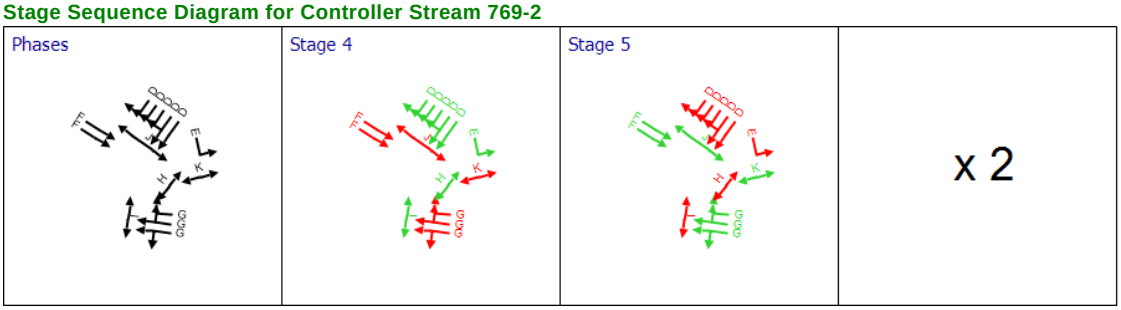
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 769-2



Stage Sequence Diagram for Controller Stream 769-2



Controller Stream 770-1

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

Controller Stream 770-1 - Properties

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

Controller Stream 770-1 - Optimisation

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

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 770-1

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

Banned Stage transitions for Controller Stream 770-1

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 770-1

		To	
		1	2
From	1	0	9
	2	5	0

Resultant Stages

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

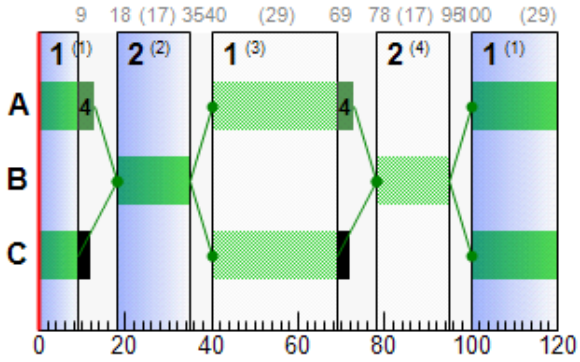
Resultant Phase Green Periods

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

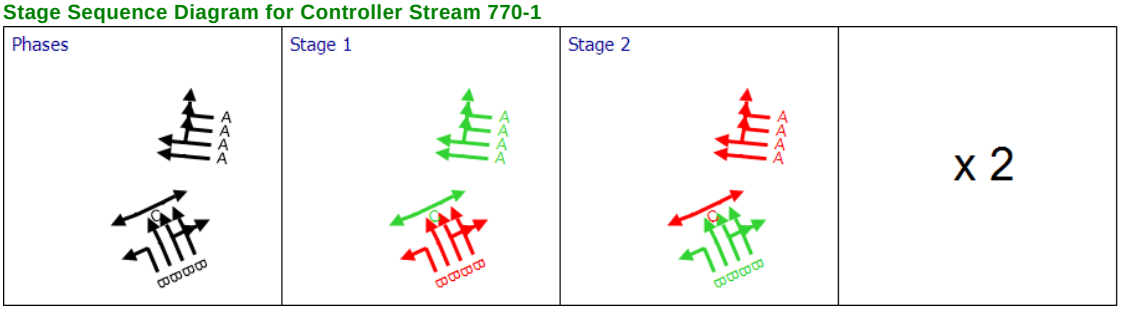
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 770-1



Stage Sequence Diagram for Controller Stream 770-1



Controller Stream 770-2

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

Controller Stream 770-2 - Properties

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

Controller Stream 770-2 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 770-2

		To	
		D	E
From	D		5
	E	7	

Banned Stage transitions for Controller Stream 770-2

		To	
		4	5
From	4		
	5		

Interstage Matrix for Controller Stream 770-2

		To	
		4	5
From	4	0	5
	5	7	0

Resultant Stages

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

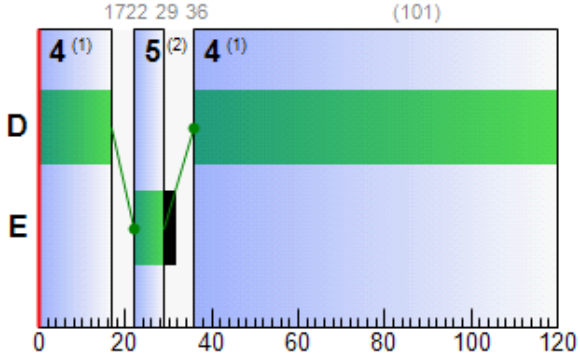
Resultant Phase Green Periods

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

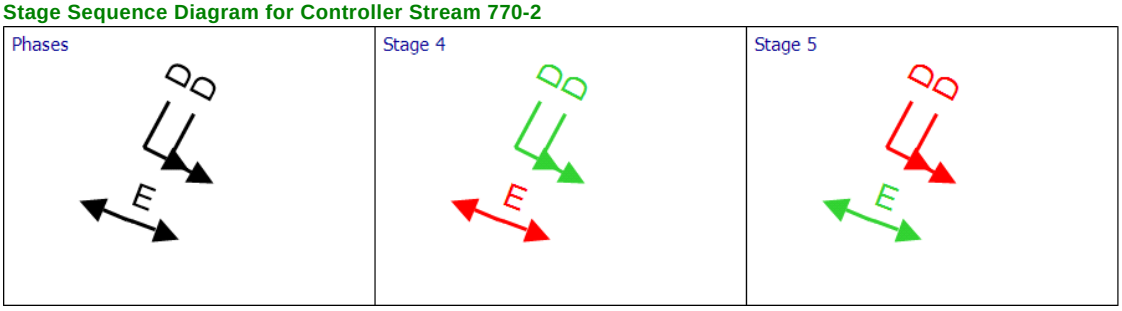
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 770-2



Stage Sequence Diagram for Controller Stream 770-2



Controller Stream 770-3

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

Controller Stream 770-3 - Properties

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

Controller Stream 770-3 - Optimisation

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

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 770-3

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

Banned Stage transitions for Controller Stream 770-3

		To		
		7	8	9
From	7			
	8			
	9			

Interstage Matrix for Controller Stream 770-3

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

Resultant Stages

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

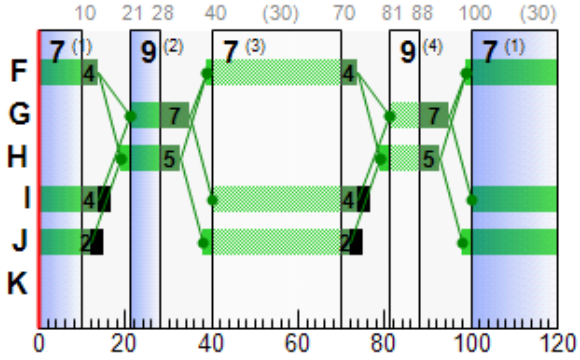
Resultant Phase Green Periods

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

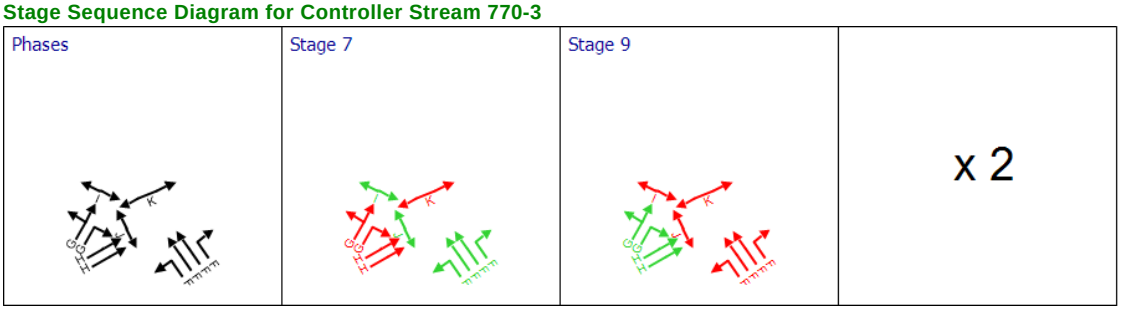
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 770-3



Stage Sequence Diagram for Controller Stream 770-3



Controller Stream 770-4

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

Controller Stream 770-4 - Properties

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

Controller Stream 770-4 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 770-4

		To	
		L	M
From	L		5
	M	7	

Banned Stage transitions for Controller Stream 770-4

		To	
		11	12
From	11		
	12		

Interstage Matrix for Controller Stream 770-4

		To	
		11	12
From	11	0	5
	12	7	0

Resultant Stages

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

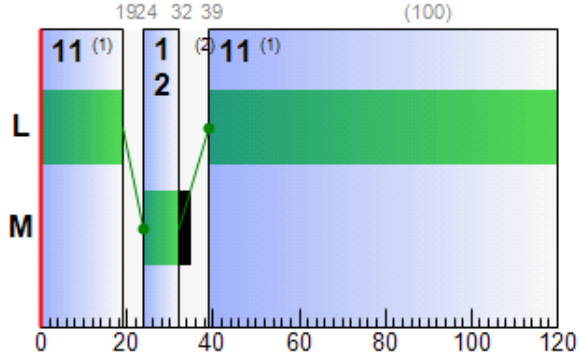
Resultant Phase Green Periods

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

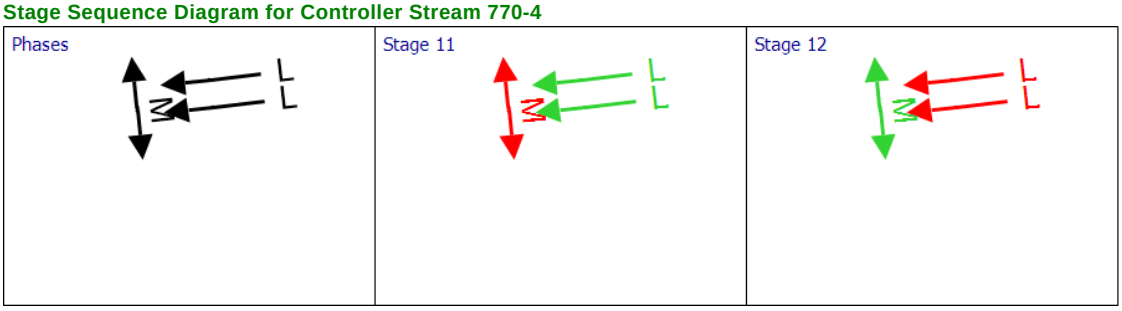
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 770-4



Stage Sequence Diagram for Controller Stream 770-4



Controller Stream 771-1

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

Controller Stream 771-1 - Properties

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

Controller Stream 771-1 - Optimisation

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

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 771-1

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

Banned Stage transitions for Controller Stream 771-1

		To		
		1	2	3
From	1			
	2			
	3			

Interstage Matrix for Controller Stream 771-1

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

Resultant Stages

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

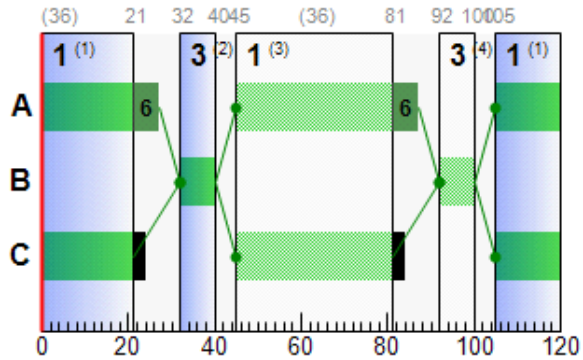
Resultant Phase Green Periods

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

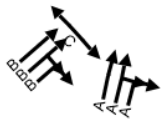
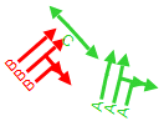
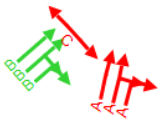
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 771-1



Stage Sequence Diagram for Controller Stream 771-1

Phases	Stage 1	Stage 3	
			x 2

Controller Stream 771-2

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

Controller Stream 771-2 - Properties

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

Controller Stream 771-2 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 771-2

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

Banned Stage transitions for Controller Stream 771-2

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

Interstage Matrix for Controller Stream 771-2

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

Resultant Stages

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

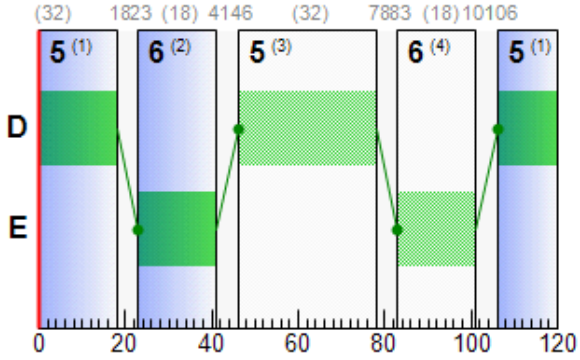
Resultant Phase Green Periods

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

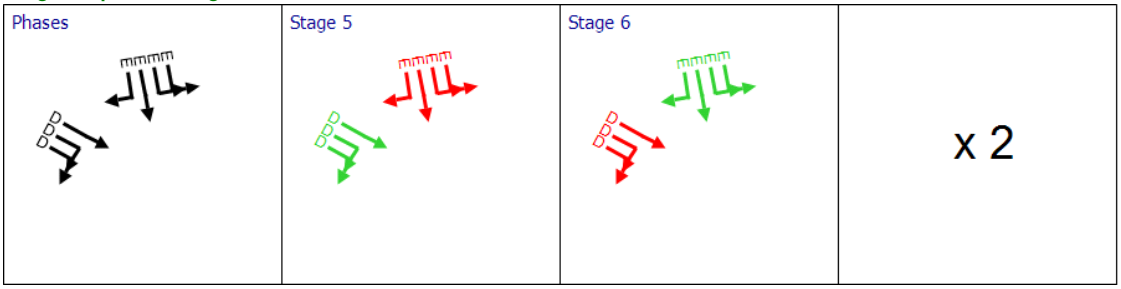
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 771-2



Stage Sequence Diagram for Controller Stream 771-2



Controller Stream TC777-1

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

Controller Stream TC777-1 - Properties

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

Controller Stream TC777-1 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream TC777-1

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

Banned Stage transitions for Controller Stream TC777-1

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

Interstage Matrix for Controller Stream TC777-1

		To						
		1	2	3	4	5	6	7
From	1	0	5	7	8	8	5	5
	2	16	0	16	8	8	5	16
	3	6	6	0	8	8	6	6
	4	5	6	8	0	8	5	5
	5	6	6	5	6	0	6	6
	6	5	5	8	8	8	0	5
	7	5	5	7	8	8	5	0

Resultant Stages

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

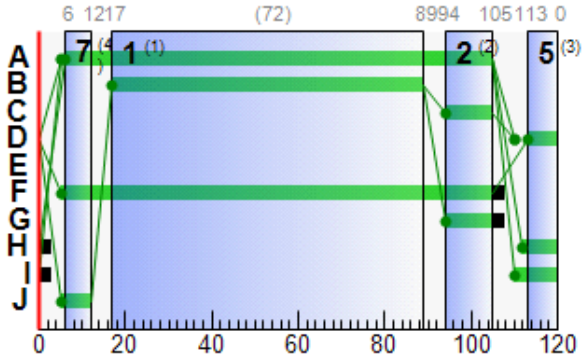
Resultant Phase Green Periods

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

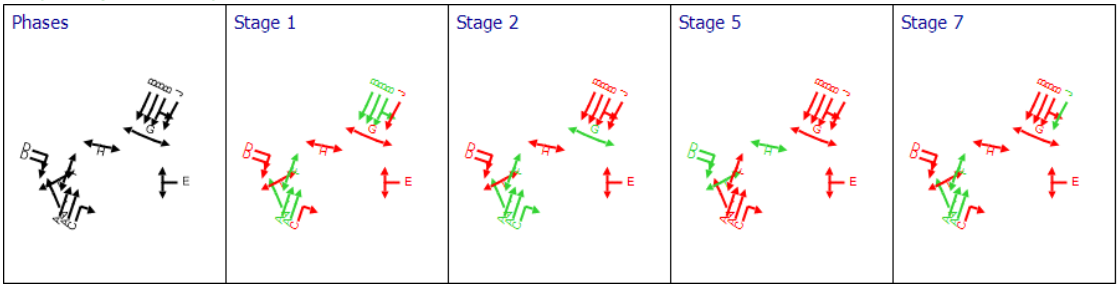
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream TC777-1



Stage Sequence Diagram for Controller Stream TC777-1



Controller Stream TC777-2

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

Controller Stream TC777-2 - Properties

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

Controller Stream TC777-2 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream TC777-2

		To	
		J	K
From	J		5
	K	5	

Banned Stage transitions for Controller Stream TC777-2

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream TC777-2

		To	
		1	2
From	1	0	5
	2	5	0

Resultant Stages

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

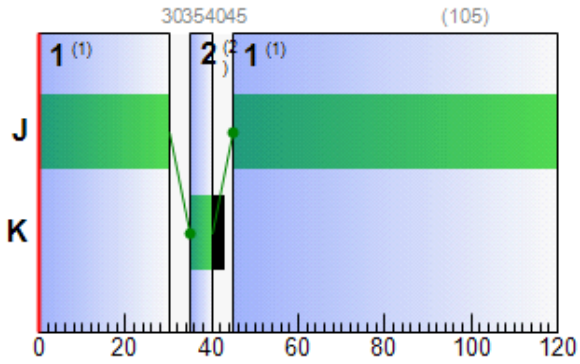
Resultant Phase Green Periods

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

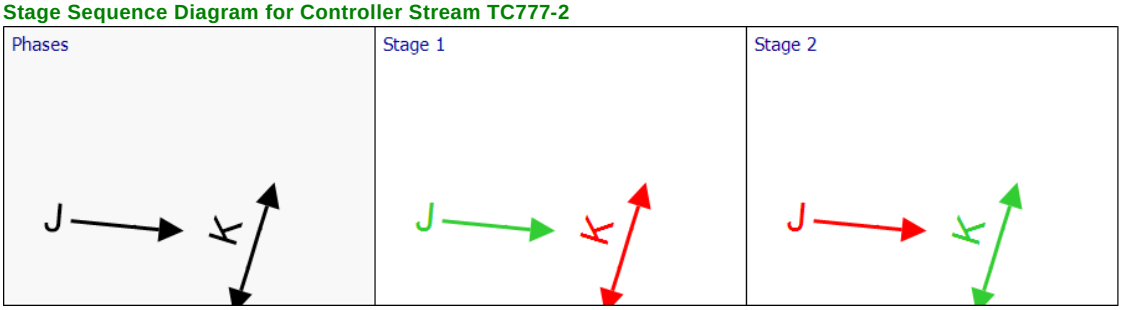
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream TC777-2



Stage Sequence Diagram for Controller Stream TC777-2



Resultant penalties

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

Results - Link

Results - Traffic Stream

Results - Traffic Stream: Vehicle summary

Time Segment	Arm	Traffic Stream	Name	Phase	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Calculated capacity (PCU/hr)	Degree of saturation (%)	Practical reserve capacity (%)	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	JourneyTime (s)
	A	1	(untitled)	E	402	2050	36	649	62	45	15.01	4.48	34.56	20.60
		2	(untitled)	E	161	2050	36	649	25	263	10.02	2.36	17.65	15.78
		3	(untitled)	E	341	2050	36	649	53	71	11.94	4.27	31.21	17.83
		4	(untitled)	E	510	2050	36	649	79	15	20.77	6.74	48.21	26.79
	Ac	1	(untitled)	D	1073	2263	64	1245	86	4	16.49	9.66	58.00	23.67
		2	(untitled)	D	214	2263	64	1245	17	423	0.30	0.02	0.11	9.80
		3	(untitled)	D	382	2263	64	1245	31	193	1.20	4.78	31.24	7.79
	Acf	1	(untitled)		1287	2263	120	2263	57	58	1.05	0.37	3.10	6.25
		2	(untitled)		382	2263	120	2263	17	433	0.16	0.02	0.14	7.38
	Af	1	(untitled)		563	2050	120	2050	27	228	0.33	0.05	0.54	6.93
		2	(untitled)		341	2050	120	2050	17	441	0.18	0.02	0.17	6.74
		3	(untitled)		510	2050	120	2050	25	262	0.29	0.04	0.43	6.87
	B	1	(untitled)	B	396	2050	38	683	58	55	20.14	5.32	32.31	27.24
		2	(untitled)	B	399	2150	38	709	56	60	19.72	5.30	31.37	27.00
		3	(untitled)	B	527	2100	38	700	75	20	25.47	8.17	47.12	32.95
		4	(untitled)	B	511	2050	38	683	75	20	25.41	7.94	44.58	37.70
	Bc	1	(untitled)	A	375	2050	58	1025	37	146	4.05	2.67	11.53	14.02
		2	(untitled)	A	508	2050	58	1006	50	78	5.54	5.01	21.91	15.40
		3	(untitled)	A	725	2050	58	1025	71	27	7.86	12.45	54.98	17.63
	Bcf	1	(untitled)		1475	2263	120	2263	65	38	1.48	0.61	5.57	5.64
		2	(untitled)		375	2263	120	2263	17	443	0.16	0.02	0.15	5.30
		3	(untitled)		508	2263	120	2263	22	301	0.23	0.03	0.30	5.96
		4	(untitled)		725	2263	120	2263	32	181	0.37	0.08	0.70	6.18
	Bf	1	(untitled)		795	1800	120	1800	44	104	0.79	0.17	0.44	28.13
		2	(untitled)		1038	1800	120	1800	58	56	1.36	0.39	0.99	28.77
	C	1	(untitled)	G	477	2100	34	630	76	19	27.79	7.81	37.06	42.32
		2	(untitled)	G	460	2200	34	642	72	26	25.81	7.29	34.25	40.49
		3	(untitled)	G	553	2050	34	615	90	0	43.38	11.66	53.92	58.30
	Cf	1	(untitled)		477	1965	120	1965	24	271	0.29	0.04	0.15	17.65
		2	(untitled)		1013	1965	120	1965	52	75	0.97	0.27	1.08	18.48
		1	(untitled)	B	478	2050	34	615	78	16	37.89	8.07	84.34	42.01

07:30-08:30	D	2	(untitled)	B	555	1850	34	555	100	-10	113.01	20.57	215.10	117.14
		3	(untitled)	B	491	2250	34	675	73	24	23.75	7.28	75.28	27.91
		4	(untitled)	B	594	2250	34	675	88	2	35.78	11.08	107.39	40.23
	Dc	1	(untitled)	A	892	2100	66	1189	75	20	11.97	7.58	86.68	15.74
		2	(untitled)	A	849	2100	66	1190	71	26	12.52	7.80	92.72	16.14
		3	(untitled)	A	739	2100	66	1016	73	24	9.70	6.48	80.26	13.18
		4	(untitled)	A	881	2100	66	1077	82	10	14.94	8.02	103.60	18.28
	Dcf	1	(untitled)		953	2050	120	2050	46	94	0.76	0.20	1.76	5.71
		2	(untitled)		209	2100	120	2100	10	804	0.09	0.01	0.05	5.04
		3	(untitled)		892	2100	120	2005	44	102	1.30	5.08	44.04	6.28
		4	(untitled)		849	2100	120	1494	57	58	3.18	5.01	43.29	8.17
		5	(untitled)		739	2100	120	2029	36	147	0.71	2.63	22.64	5.73
		6	(untitled)		881	2100	120	1902	46	94	2.66	9.64	82.59	7.69
	Df	1	(untitled)	B	1087	1900	103	1019	107	-16	144.51	57.28	164.69	168.51
		2	(untitled)	B	1085	2250	103	1950	56	62	3.22	9.39	27.00	27.22
	Dxp	1	(untitled)	D	953	2050	101	1743	55	65	1.56	1.63	20.04	5.05
		2	(untitled)	D	209	2050	101	1743	12	650	0.28	0.14	1.68	3.93
	Ec	1	(untitled)	F	778	2150	70	1290	60	49	8.34	6.64	76.20	12.10
		2	(untitled)	F	1294	2263	70	1358	95	-6	25.95	14.52	172.36	29.58
		3	(untitled)	F	1337	2263	70	1358	98	-9	40.56	20.28	249.32	44.06
		4	(untitled)	F	593	2250	70	1350	44	105	11.36	7.06	90.05	14.75
	Ecf	1	(untitled)		970	2100	120	2091	46	94	0.80	4.87	60.92	4.24
		2	(untitled)		1249	2100	120	2099	60	51	1.26	5.08	63.03	4.74
		3	(untitled)		1294	2263	120	1748	74	22	6.07	7.09	86.85	9.59
		4	(untitled)		1337	2300	120	1708	78	15	6.11	7.10	86.00	9.67
		5	(untitled)		629	2300	120	1771	36	153	4.05	4.82	57.07	7.69
	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	970	2050	100	1725	56	60	1.87	5.05	56.55	5.72
		2	(untitled)	L	471	2050	100	1725	27	230	1.09	2.37	25.60	5.08
	F	1	(untitled)	B	290	2100	16	315	92	-2	73.13	8.13	54.92	79.51
		2	(untitled)	B	291	2100	16	315	92	-3	74.40	8.26	55.43	80.82
		3	(untitled)	B	310	2100	16	315	98	-9	108.73	11.96	78.83	115.27
	Fc	1	(untitled)	A	1512	2263	84	1622	93	-3	16.09	11.54	36.37	35.10
		2	(untitled)	A	1371	2263	84	1484	92	-3	20.31	32.06	101.93	38.95
		3	(untitled)	A	1130	2263	84	1613	70	28	5.62	20.31	64.92	24.94
	Ff	1	(untitled)		581	1900	120	1900	31	194	0.42	0.07	0.14	33.44
		2	(untitled)		310	1900	120	1900	16	452	0.18	0.02	0.03	33.16
	G	1	(untitled)	F	259	2050	32	561	46	95	38.80	4.51	16.62	54.86
		2	(untitled)	F	248	2050	32	563	44	104	43.44	4.87	18.35	54.89
	Gf	1	(untitled)		241	2050	120	2049	12	665	0.12	2.33	34.41	3.04
		2	(untitled)		230	2050	120	2049	11	702	0.12	2.33	34.79	3.00
	xA	1	(untitled)		1661	2263	120	2160	77	17	3.31	8.26	20.69	20.53
		2	(untitled)		1575	2263	120	2186	72	25	2.65	35.70	89.30	19.90
	xB	1	(untitled)		1475	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.06
	xC	1	(untitled)		465	1900	120	1122	41	117	5.93	7.14	35.51	14.60
		2	(untitled)		450	1900	120	1150	39	130	5.57	7.09	35.16	14.27
	xD	1	(untitled)		953	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
		2	(untitled)		209	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
	xE	1	(untitled)		970	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.03
		2	(untitled)		471	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.03
	xF	1	(untitled)		829	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	7.99
	Cc1	1	(untitled)	E	408	2050	60	1059	39	134	6.58	2.65	15.89	13.24
	E1	1	(untitled)	G	303	2050	28	513	59	52	24.84	4.38	31.48	30.84
		2	(untitled)	G	538	2200	28	550	98	-8	82.73	16.86	121.20	88.73
	Gf1	1	(untitled)		36	676	120	676	5	1591	1.90	0.31	3.77	5.49
		2	(untitled)	D	871	2150	58	1033	84	7	22.63	16.10	102.15	32.41
		3	(untitled)	D	389	2050	58	1025	38	137	4.23	1.65	10.65	14.45

	Cc2	4	(untitled)	D	706	2150	58	1075	66	37	20.62	11.22	71.15	29.97
		5	(untitled)	D	556	2050	58	1025	54	66	16.91	8.16	53.10	25.34
		6	(untitled)	D	511	2050	58	1025	50	81	21.45	11.84	77.44	29.37
	E2	3	(untitled)	H	241	2150	28	529	46	98	21.96	3.34	36.01	25.95
		4	(untitled)	H	230	2050	28	513	45	101	21.87	3.19	33.71	25.94
	TC5	2	(untitled)	A	1094	2263	99	1905	57	57	2.14	3.03	75.61	4.90
		3	(untitled)	A	1575	2263	99	1905	83	9	4.85	4.84	120.85	7.62
		4	(untitled)	C	0	1800	11	180	0	Unrestricted	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	460	1925	72	1203	38	135	12.01	6.96	43.61	23.02
		2	(untitled)	B	333	1966	72	1229	27	232	10.71	4.77	29.77	21.76
		3	(untitled)	B	422	1947	72	1217	35	160	11.56	6.35	39.42	22.68
	TC35	1	(untitled)	A	567	1900	99	1599	35	154	2.55	2.99	71.28	5.45
	TC36	1	(untitled)		227	1800	120	1800	13	614	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	209	120	209	19	370	11.13	2.44	65.76	12.66
	TC39	2	(untitled)		1094	2263	120	2263	48	86	0.74	0.23	3.69	3.28
		3	(untitled)		1575	2263	120	2263	70	29	1.81	0.79	13.69	4.21
	TC40	2	(untitled)		1134	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		1575	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	94	1850	7	123	76	18	96.62	4.06	42.41	100.59
	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)		915	1300	120	1300	70	28	3.26	0.83	3.57	19.30
	48	1	(untitled)		1490	1965	120	1965	76	19	2.85	1.18	12.31	9.46
	49	1	(untitled)		472	1900	120	1900	25	262	0.31	0.04	0.90	3.46
		2	(untitled)		755	1900	120	1900	40	126	0.62	0.13	2.87	3.77
	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	829	1800	103	1560	53	69	2.35	10.41	299.18	3.85
	53	1		A	1475	1800	103	1560	95	-5	22.09	40.49	931.19	23.96
	55	1		J	12	1800	7	120	10	800	54.40	0.38	2.39	65.32
	56	1		A	14	1800	7	116	12	644	55.05	0.45	1.29	79.05

Data Entry - Stage Start and End

Resultant Stage

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

Data Entry - Phase

Phase

Controller Stream	Phase	Phase	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type
11	A	A	7	300	0	0	Traffic
	B	B	6	300	0	0	Pedestrian
12	A	A	7	300	0	0	Traffic
	B	B	6	300	0	0	Pedestrian
13	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
769-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	7	300	0	0	Pedestrian
769-2	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	4	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	5	300	0	0	Pedestrian
	I	I	7	300	0	0	Pedestrian
	J	J	12	300	0	0	Pedestrian
	K	K	5	300	0	0	Pedestrian
770-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	7	300	0	0	Pedestrian
770-2	D	D	7	300	0	0	Traffic
	E	E	5	300	0	0	Pedestrian
770-3	F	F	7	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	4	300	0	0	Traffic
	I	I	5	300	0	0	Pedestrian
	J	J	5	300	0	0	Pedestrian
	K	K	10	300	0	0	Pedestrian
770-4	L	L	7	300	0	0	Traffic
	M	M	6	300	0	0	Pedestrian
771-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	9	300	0	0	Pedestrian
771-2	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
TC777-1	A	A	7	300	0	1	Traffic
	B	B	7	300	0	2	Traffic
	C	C	7	300	0	0	Traffic
	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	5	300	0	0	Pedestrian
	G	G	7	300	0	0	Pedestrian
	H	H	6	300	0	0	Pedestrian
	I	I	5	300	0	0	Pedestrian
	J	J	7	300	0	0	Traffic
TC777-2	J	J	7	300	0	0	Traffic
	K	K	5	300	0	0	Pedestrian

Data Entry - Traffic Stream

Traffic Stream

Arm	Traffic Stream	Auto length	Length (m)	Traffic model	Max queue storage (PCU)	Traffic type	Has Saturation Flow	Is signal controlled	Is give way	Saturation flow source	Saturation flow (PCU/hr)	Delay weighting multiplier (%)	Stop weighting multiplier (%)
A	1	✓	74.52	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	76.88	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	78.61	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	4	✓	80.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ac	1	✓	95.80	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	2	✓	92.34	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	87.95	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
Acf	1	✓	69.38	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	70.22	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Af	1	✓	54.98	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	54.73	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	54.86	CTM	0.00	Normal	✓			Directly entered	2050	100	100
B	1	✓	94.67	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	97.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	99.69	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	4	✓	102.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Bc	1	✓	132.94	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	131.59	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	130.23	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Bcf	1	✓	62.67	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	63.14	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.35	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	62.25	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Bf	1	✓	227.81	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
	2	✓	228.44	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
C	1	✓	121.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	122.36	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Cf	1	✓	144.60	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
	2	✓	145.86	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
	1		55.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100

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

Fc	**2**	✓	180.86	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	179.86	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
Ff	**1**	✓	275.15	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
	2	✓	274.83	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
G	**1**	✓	156.15	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	152.60	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Gf	**1**	✓	38.89	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	38.45	CTM	0.00	Normal	✓			Directly entered	2050	100	100
xA	**1**	✓	229.62	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	229.90	CTM	0.00	Normal	✓			Directly entered	2263	100	100
xB	**1**	✓	54.14	NetworkDefault	0.00	Normal						100	100
xC	**1**	✓	115.60	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
	2	✓	115.98	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
xD	**1**	✓	121.71	NetworkDefault	0.00	Normal						100	100
	2	✓	122.74	NetworkDefault	0.00	Normal						100	100
xE	**1**	✓	173.78	NetworkDefault	0.00	Normal						100	100
	2	✓	173.74	NetworkDefault	0.00	Normal						100	100
xF	**1**	✓	106.54	NetworkDefault	0.00	Normal						100	100
Cc1	**1**	✓	95.84	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E1	**1**		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
Gf1	**1**	✓	47.81	NetworkDefault	0.00	Normal			✓			100	100
Cc2	**2**	✓	90.61	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	89.28	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	4	✓	90.72	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	5	✓	88.37	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	6	✓	87.95	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E2	**3**	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
TC5	**2**	✓	23.03	CTM	0.00	Normal	✓	✓		Sum of lanes	2263	100	100
	3	✓	23.02	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	4	✓	24.43	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
TC9	**1**	✓	91.71	CTM	0.00	Normal	✓	✓		Directly entered	1925	100	100
	2	✓	92.11	CTM	0.00	Normal	✓	✓		Sum of lanes	1966	100	100
	3	✓	92.69	CTM	0.00	Normal	✓	✓		Sum of lanes	1947	100	100
TC35	**1**	✓	24.16	CTM	0.00	Normal	✓	✓		Directly entered	1900	100	100
TC36	**1**	✓	25.22	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100

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

Data entry - Link

Results - Pedestrian

Pedestrian Crossings: Pedestrian summary

Time Segment	Pedestrian crossing	Side	Calculated Flow Entering (Ped/hr)	Degree of saturation (%)	Actual green (s (per cycle))	Mean Delay Per Ped (s)	Mean max queue (Ped)
07:30-08:30	1	1	0	0	7	0.00	0.00
		2	0	0	7	0.00	0.00
	2	1	0	0	58	0.00	0.00
		2	0	0	58	0.00	0.00
	3	1	0	0	8	0.00	0.00
		2	0	0	8	0.00	0.00
	4	1	0	0	68	0.00	0.00
		2	0	0	68	0.00	0.00
	5	1	0	0	68	0.00	0.00
		2	0	0	68	0.00	0.00
	6	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	7	1	0	0	72	0.00	0.00
		2	0	0	72	0.00	0.00
	8	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	9	1	0	0	24	0.00	0.00
		2	0	0	24	0.00	0.00
	10	1	0	0	36	0.00	0.00
		2	0	0	36	0.00	0.00
	11	1	0	0	60	0.00	0.00
		2	0	0	60	0.00	0.00
	12	1	0	0	58	0.00	0.00
		2	0	0	58	0.00	0.00
	13	1	0	0	10	0.00	0.00
		2	0	0	10	0.00	0.00
	14	1	0	0	100	0.00	0.00
		2	0	0	100	0.00	0.00
	15	1	0	0	11	0.00	0.00
		2	0	0	11	0.00	0.00
	16	1	0	0	8	0.00	0.00
		2	0	0	8	0.00	0.00
	17	1	0	0	5	0.00	0.00
		2	0	0	5	0.00	0.00
	18	1	0	0	7	0.00	0.00
		2	0	0	7	0.00	0.00
	19	1	0	0	7	0.00	0.00
		2	0	0	7	0.00	0.00

Traffic Stream Results

Traffic Stream Results: Vehicle summary

Time Segment	Arm	Traffic Stream	Degree of saturation (%)	Practical reserve capacity (%)	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Performance Index (£ per hr)
	A	1	62	45	402	2050	36	15.01	4.48	34.56	23.80	7.44	31.24
		2	25	263	161	2050	36	10.02	2.36	17.65	6.36	2.55	8.91
		3	53	71	341	2050	36	11.94	4.27	31.21	16.06	4.73	20.78

		4	79	15	510	2050	36	20.77	6.74	48.21	41.78	10.92	52.69
	Ac	1	86	4	1073	2263	64	16.49	9.66	58.00	69.75	15.79	85.54
		2	17	423	214	2263	64	0.30	0.02	0.11	0.25	0.00	0.25
		3	31	193	382	2263	64	1.20	4.78	31.24	1.80	1.91	3.71
	Acf	1	57	58	1287	2263	120	1.05	0.37	3.10	5.31	0.00	5.31
		2	17	433	382	2263	120	0.16	0.02	0.14	0.24	0.00	0.24
	Af	1	27	228	563	2050	120	0.33	0.05	0.54	0.74	0.00	0.74
		2	17	441	341	2050	120	0.18	0.02	0.17	0.24	0.00	0.24
		3	25	262	510	2050	120	0.29	0.04	0.43	0.58	0.00	0.58
	B	1	58	55	396	2050	38	20.14	5.32	32.31	31.46	10.03	41.48
		2	56	60	399	2150	38	19.72	5.30	31.37	31.03	10.03	41.06
		3	75	20	527	2100	38	25.47	8.17	47.12	52.95	14.82	67.78
		4	75	20	511	2050	38	25.41	7.94	44.58	51.22	5.95	57.17
	Bc	1	37	146	375	2050	58	4.05	2.67	11.53	5.99	1.77	7.76
		2	50	78	508	2050	58	5.54	5.01	21.91	11.09	3.62	14.71
		3	71	27	725	2050	58	7.86	12.45	54.98	22.48	6.66	29.14
	Bcf	1	65	38	1475	2263	120	1.48	0.61	5.57	8.62	0.00	8.62
		2	17	443	375	2263	120	0.16	0.02	0.15	0.23	0.00	0.23
		3	22	301	508	2263	120	0.23	0.03	0.30	0.46	0.00	0.46
		4	32	181	725	2263	120	0.37	0.08	0.70	1.07	0.00	1.07
	Bf	1	44	104	795	1800	120	0.79	0.17	0.44	2.48	0.00	2.48
		2	58	56	1038	1800	120	1.36	0.39	0.99	5.56	0.00	5.56
	C	1	76	19	477	2100	34	27.79	7.81	37.06	52.28	5.84	58.13
		2	72	26	460	2200	34	25.81	7.29	34.25	46.83	5.46	52.29
		3	90	0	553	2050	34	43.38	11.66	53.92	94.62	8.53	103.16
	Cf	1	24	271	477	1965	120	0.29	0.04	0.15	0.55	0.00	0.55
		2	52	75	1013	1965	120	0.97	0.27	1.08	3.89	0.00	3.89
	D	1	78	16	478	2050	34	37.89	8.07	84.34	71.49	15.15	86.65
		2	100	-10	555	1850	34	113.01	20.57	215.10	247.40	26.27	273.67
		3	73	24	491	2250	34	23.75	7.28	75.28	45.99	12.68	58.67
		4	88	2	594	2250	34	35.78	11.08	107.39	83.84	19.66	103.50
	Dc	1	75	20	892	2100	66	11.97	7.58	86.68	42.11	14.54	56.65
		2	71	26	849	2100	66	12.52	7.80	92.72	41.91	14.96	56.88
		3	73	24	739	2100	66	9.70	6.48	80.26	28.28	14.91	43.20
		4	82	10	881	2100	66	14.94	8.02	103.60	51.91	17.85	69.76
	Dcf	1	46	94	953	2050	120	0.76	0.20	1.76	2.86	0.00	2.86
		2	10	804	209	2100	120	0.09	0.01	0.05	0.08	0.00	0.08
		3	44	102	892	2100	120	1.30	5.08	44.04	4.57	3.23	7.80
		4	57	58	849	2100	120	3.18	5.01	43.29	10.65	5.09	15.74
		5	36	147	739	2100	120	0.71	2.63	22.64	2.07	1.43	3.50
		6	46	94	881	2100	120	2.66	9.64	82.59	9.24	6.09	15.33
	Df	1	107	-16	1087	1900	103	144.51	57.28	164.69	619.62	30.91	650.53
		2	56	62	1085	2250	103	3.22	9.39	27.00	13.76	3.27	17.03
	Dxp	1	55	65	953	2050	101	1.56	1.63	20.04	5.86	1.42	7.28
		2	12	650	209	2050	101	0.28	0.14	1.68	0.23	0.12	0.35
	Ec	1	60	49	778	2150	70	8.34	6.64	76.20	25.62	12.02	37.63
		2	95	-6	1294	2263	70	25.95	14.52	172.36	132.46	26.69	159.15
		3	98	-9	1337	2263	70	40.56	20.28	249.32	213.88	35.44	249.31
		4	44	105	593	2250	70	11.36	7.06	90.05	26.58	13.56	40.14
	Ecf	1	46	94	970	2100	120	0.80	4.87	60.92	3.05	0.81	3.86
		2	60	51	1249	2100	120	1.26	5.08	63.03	6.22	0.46	6.68
		3	74	22	1294	2263	120	6.07	7.09	86.85	30.98	13.25	44.23
		4	78	15	1337	2300	120	6.11	7.10	86.00	32.20	10.73	42.94
		5	36	153	629	2300	120	4.05	4.82	57.07	10.05	5.94	15.99
	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	56	60	970	2050	100	1.87	5.05	56.55	7.15	2.50	9.65
07:30-		2	27	230	471	2050	100	1.09	2.37	25.60	2.02	1.13	3.15

08:30	F	1	92	-2	290	2100	16	73.13	8.13	54.92	83.65	14.36	98.00
		2	92	-3	291	2100	16	74.40	8.26	55.43	85.39	14.54	99.93
		3	98	-9	310	2100	16	108.73	11.96	78.83	132.95	18.97	151.92
	Fc	1	93	-3	1512	2263	84	16.09	11.54	36.37	95.96	10.97	106.93
		2	92	-3	1371	2263	84	20.31	32.06	101.93	109.83	16.60	126.43
		3	70	28	1130	2263	84	5.62	20.31	64.92	25.04	10.84	35.89
	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	46	95	259	2050	32	38.80	4.51	16.62	39.64	4.75	44.39
		2	44	104	248	2050	32	43.44	4.87	18.35	42.49	8.41	50.90
	Gf	1	12	665	241	2050	120	0.12	2.33	34.41	0.12	0.03	0.15
		2	11	702	230	2050	120	0.12	2.33	34.79	0.11	0.03	0.14
	xA	1	77	17	1661	2263	120	3.31	8.26	20.69	21.70	5.84	27.54
		2	72	25	1575	2263	120	2.65	35.70	89.30	16.49	5.21	21.69
	xB	1	0	Unrestricted	1475	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	41	117	465	1900	120	5.93	7.14	35.51	10.88	7.93	18.81
		2	39	130	450	1900	120	5.57	7.09	35.16	9.89	7.54	17.43
	xD	1	0	Unrestricted	953	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	209	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	0	Unrestricted	970	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	471	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	0	Unrestricted	829	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	39	134	408	2050	60	6.58	2.65	15.89	10.60	4.07	14.66
	E1	1	59	52	303	2050	28	24.84	4.38	31.48	29.69	8.42	38.11
		2	98	-8	538	2200	28	82.73	16.86	121.20	175.57	23.36	198.93
	Gf1	1	5	1591	36	676	120	1.90	0.31	3.77	0.27	0.43	0.70
	Cc2	2	84	7	871	2150	58	22.63	16.10	102.15	77.73	14.37	92.11
		3	38	137	389	2050	58	4.23	1.65	10.65	6.49	1.32	7.80
		4	66	37	706	2150	58	20.62	11.22	71.15	57.42	11.97	69.38
		5	54	66	556	2050	58	16.91	8.16	53.10	37.10	10.11	47.21
		6	50	81	511	2050	58	21.45	11.84	77.44	43.24	12.03	55.28
	E2	3	46	98	241	2150	28	21.96	3.34	36.01	20.87	6.42	27.29
		4	45	101	230	2050	28	21.87	3.19	33.71	19.84	6.13	25.97
	TC5	2	57	57	1094	2263	99	2.14	3.03	75.61	9.24	1.14	10.37
		3	83	9	1575	2263	99	4.85	4.84	120.85	30.14	1.80	31.94
		4	0	Unrestricted	0	1800	11	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	38	135	460	1925	72	12.01	6.96	43.61	21.80	2.62	24.41
		2	27	232	333	1966	72	10.71	4.77	29.77	14.06	1.79	15.85
		3	35	160	422	1947	72	11.56	6.35	39.42	19.24	2.39	21.63
	TC35	1	35	154	567	1900	99	2.55	2.99	71.28	5.70	1.19	6.89
	TC36	1	13	614	227	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	19	370	40	209	120	11.13	2.44	65.76	1.76	0.99	2.75
	TC39	2	48	86	1094	2263	120	0.74	0.23	3.69	3.21	0.00	3.21
		3	70	29	1575	2263	120	1.81	0.79	13.69	11.25	0.00	11.25
	TC40	2	0	Unrestricted	1134	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		3	0	Unrestricted	1575	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	76	18	94	1850	7	96.62	4.06	42.41	35.83	4.15	39.98
	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	915	1300	120	3.26	0.83	3.57	11.78	0.00	11.78
	48	1	76	19	1490	1965	120	2.85	1.18	12.31	16.75	0.00	16.75
	49	1	25	262	472	1900	120	0.31	0.04	0.90	0.58	0.00	0.58
		2	40	126	755	1900	120	0.62	0.13	2.87	1.86	0.00	1.86
	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	53	69	829	1800	103	2.35	10.41	299.18	7.70	8.99	16.69

	53	1	95	-5	1475	1800	103	22.09	40.49	931.19	128.47	41.44	169.91
	55	1	10	800	12	1800	7	54.40	0.38	2.39	2.57	0.14	2.72
	56	1	12	644	14	1800	7	55.05	0.45	1.29	3.04	0.17	3.21

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	161	161	-1	✓	2050	649	25		263	0.81	36
		3	341	341	-1		2050	649	53		71	0.73	36
		4	510	510	-1		2050	649	79		15	0.81	36
	Ac	1	1073	1073	0		2263	1245	86		4	0.98	64
		2	214	214	-1	✓	2263	1245	17		423	1.66	64
		3	382	382	-1		2263	1245	31		193	1.32	64
	Acf	1	1287	1287	-1	✓	2263	2263	57		58	0.71	120
		2	382	382	-1		2263	2263	17		433	1.32	120
	Af	1	563	563	-1	✓	2050	2050	27		228	0.81	120
		2	341	341	-1		2050	2050	17		441	0.73	120
		3	510	510	-1		2050	2050	25		262	0.81	120
	B	1	396	396	-1		2050	683	58		55	0.00	38
		2	399	399	0		2150	709	56		60	0.00	38
		3	527	527	0		2100	700	75		20	0.00	38
		4	511	511	0		2050	683	75		20	0.00	38
	Bc	1	375	375	-2	✓	2050	1025	37		146	1.27	58
		2	508	508	0		2050	1006	50		78	1.10	58
		3	725	725	-1		2050	1025	71		27	1.04	58
	Bcf	1	1475	1475	0		2263	2263	65		38	0.52	120
		2	375	375	-2	✓	2263	2263	17		443	1.27	120
		3	508	508	0		2263	2263	22		301	1.10	120
		4	725	725	-1		2263	2263	32		181	1.04	120
	Bf	1	795	795	-1		1800	1800	44		104	0.00	120
		2	1038	1038	0		1800	1800	58		56	0.00	120
	C	1	477	477	0		2100	630	76		19	0.00	34
		2	460	460	0		2200	642	72		26	0.00	34
		3	553	553	0		2050	615	90		0	0.00	34
	Cf	1	477	477	0		1965	1965	24		271	0.00	120
		2	1013	1013	0		1965	1965	52		75	0.00	120
	D	1	478	478	31	✓	2050	615	78		16	0.82	34
		2	555	555	36	✓	1850	555	100	✓	-10	0.80	34
		3	491	491	0		2250	675	73		24	0.27	34
		4	594	594	0		2250	675	88		2	0.27	34
	Dc	1	892	892	-1		2100	1189	75		20	0.83	66
		2	849	849	-1		2100	1190	71		26	0.72	66
		3	739	739	0		2100	1016	73		24	0.81	66
		4	881	881	0		2100	1077	82		10	0.73	66
	Dcf	1	953	953	0		2050	2050	46		94	0.97	120
		2	209	209	0		2100	2100	10		804	1.43	120
		3	892	892	-1		2100	2005	44		102	0.86	120
		4	849	849	-1		2100	1494	57		58	0.86	120
		5	739	739	0		2100	2029	36		147	0.85	120
		6	881	881	0		2100	1902	46		94	0.92	120
	Df	1	1087	1019	-1	✓	1900	1019	107	✓	-16	0.00	103
		2	1085	1085	0		2250	1950	56		62	0.00	103
	Dxp	1	953	953	0		2050	1743	55		65	0.91	101
		2	209	209	0		2050	1743	12		650	1.28	101
		1	778	778	22	✓	2150	1290	60		49	0.62	70

07:30-08:30	Ec	2	1294	1294	36	✓	2263	1358	95	✓	-6	0.63	70
		3	1337	1337	0		2263	1358	98	✓	-9	0.65	70
		4	593	593	0		2250	1350	44		105	1.15	70
	Ecf	1	970	970	4	✓	2100	2091	46		94	0.92	120
		2	1249	1249	26	✓	2100	2099	60		51	0.54	120
		3	1294	1294	36	✓	2263	1748	74		22	0.54	120
		4	1337	1337	0		2300	1708	78		15	0.57	120
		5	629	629	0		2300	1771	36		153	1.29	120
	Ef	1	841	841	0		1900	1900	44		103	0.00	120
		2	471	471	0		1900	1900	25		263	0.00	120
	Exp	1	970	970	4	✓	2050	1725	56		60	0.92	100
		2	471	471	4	✓	2050	1725	27		230	0.71	100
	F	1	290	290	0		2100	315	92	✓	-2	0.00	16
		2	291	291	-1	✓	2100	315	92	✓	-3	0.00	16
		3	310	310	-1		2100	315	98	✓	-9	0.00	16
	Fc	1	1512	1512	36	✓	2263	1622	93	✓	-3	0.56	84
		2	1371	1371	0		2263	1484	92	✓	-3	0.76	84
		3	1130	1130	1		2263	1613	70		28	0.96	84
	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	259	259	0		2050	561	46		95	1.46	32
		2	248	248	0		2050	563	44		104	1.46	32
	Gf	1	241	241	0		2050	2049	12		665	1.50	120
		2	230	230	0		2050	2049	11		702	1.50	120
	xA	1	1661	1661	27	✓	2263	2160	77		17	0.38	120
		2	1575	1575	9	✓	2263	2186	72		25	0.57	120
	xB	1	1475	1475	0		Unrestricted	Unrestricted	0		Unrestricted	0.31	120
	xC	1	465	465	-1	✓	1900	1122	41		117	1.15	120
		2	450	450	-2	✓	1900	1150	39		130	1.18	120
	xD	1	953	953	0		Unrestricted	Unrestricted	0		Unrestricted	0.81	120
		2	209	209	0		Unrestricted	Unrestricted	0		Unrestricted	1.05	120
	xE	1	970	970	4	✓	Unrestricted	Unrestricted	0		Unrestricted	0.75	120
		2	471	471	4	✓	Unrestricted	Unrestricted	0		Unrestricted	0.60	120
	xF	1	829	829	22	✓	Unrestricted	Unrestricted	0		Unrestricted	0.72	120
	Cc1	1	408	408	-3	✓	2050	1059	39		134	1.10	60
	E1	1	303	303	0		2050	513	59		52	0.00	28
		2	538	537	0		2200	550	98	✓	-8	0.00	28
	Gf1	1	36	36	0		676	676	5		1591	1.10	120
	Cc2	2	871	871	0		2150	1033	84		7	0.83	58
		3	389	389	-1		2050	1025	38		137	0.95	58
		4	706	706	-1		2150	1075	66		37	0.86	58
		5	556	556	0		2050	1025	54		66	1.01	58
		6	511	511	0		2050	1025	50		81	1.33	58
	E2	3	241	241	0		2150	529	46		98	0.00	28
		4	230	230	0		2050	513	45		101	0.00	28
	TC5	2	1094	1094	23	✓	2263	1905	57		57	0.49	99
		3	1575	1575	9	✓	2263	1905	83		9	0.56	99
		4	0	0	0		1800	180	0		Unrestricted	0.00	11
	TC9	1	460	460	-1	✓	1925	1203	38		135	0.00	72
		2	333	333	0		1966	1229	27		232	0.00	72
		3	422	422	0		1947	1217	35		160	0.00	72
	TC35	1	567	567	4	✓	1900	1599	35		154	0.65	99
	TC36	1	227	227	-1		1800	1800	13		614	0.00	120
	TC37	1	40	40	0		1850	1634	2		3577	0.00	105
	TC38	1	40	40	0		209	209	19		370	0.23	120
	TC39	2	1094	1094	23	✓	2263	2263	48		86	0.56	120
		3	1575	1575	9	✓	2263	2263	70		29	0.58	120

	TC40	2	1134	1134	23	✓	Unrestricted	Unrestricted	0		Unrestricted	0.43	120
		3	1575	1575	9	✓	Unrestricted	Unrestricted	0		Unrestricted	0.53	120
	TC41	1	93	93	0		1850	123	75		19	0.00	7
		2	94	94	-1		1850	123	76		18	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	915	915	-3	✓	1300	1300	70		28	0.53	120
	48	1	1490	1490	0		1965	1965	76		19	0.00	120
	49	1	472	472	-1	✓	1900	1900	25		262	0.00	120
		2	755	755	0		1900	1900	40		126	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	829	829	22	✓	1800	1560	53		69	0.85	103
	53	1	1475	1475	0		1800	1560	95	✓	-5	0.45	103
	55	1	12	12	0		1800	120	10		800	0.00	7
	56	1	14	14	0		1800	116	12		644	0.00	7

Traffic Stream Results: Stops and delays

Time Segment	Arm	Traffic Stream	Mean Cruise Time per Veh (s)	Mean Delay per Veh (s)	Total delay (PCU-hr/hr)	Weighted cost of delay (£ per hr)	Mean stops per Veh (%)	Total stops (Stops per hr)	Weighted cost of stops (£ per hr)
	A	1	5.59	15.01	1.68	23.80	57.66	231.79	7.44
		2	5.77	10.02	0.45	6.36	49.26	79.31	2.55
		3	5.90	11.94	1.13	16.06	43.17	147.22	4.73
		4	6.03	20.77	2.94	41.78	66.68	340.08	10.92
	Ac	1	7.19	16.49	4.91	69.75	45.86	491.83	15.79
		2	9.50	0.30	0.02	0.25	0.00	0.00	0.00
		3	6.60	1.20	0.13	1.80	15.60	59.59	1.91
	Acf	1	5.20	1.05	0.37	5.31	0.00	0.00	0.00
		2	7.22	0.16	0.02	0.24	0.00	0.00	0.00
	Af	1	6.60	0.33	0.05	0.74	0.00	0.00	0.00
		2	6.57	0.18	0.02	0.24	0.00	0.00	0.00
		3	6.58	0.29	0.04	0.58	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	19.72	2.19	31.03	78.33	312.53	10.03
		3	7.48	25.47	3.73	52.95	87.64	461.86	14.82
		4	12.29	25.41	3.61	51.22	92.84	474.41	5.95
	Bc	1	9.97	4.05	0.42	5.99	14.67	55.02	1.77
		2	9.87	5.54	0.78	11.09	22.19	112.74	3.62
		3	9.77	7.86	1.58	22.48	28.64	207.60	6.66
	Bcf	1	4.16	1.48	0.61	8.62	0.00	0.00	0.00
		2	5.15	0.16	0.02	0.23	0.00	0.00	0.00
		3	5.73	0.23	0.03	0.46	0.00	0.00	0.00
		4	5.80	0.37	0.08	1.07	0.00	0.00	0.00
	Bf	1	27.34	0.79	0.17	2.48	0.00	0.00	0.00
		2	27.41	1.36	0.39	5.56	0.00	0.00	0.00
	C	1	14.54	27.79	3.68	52.28	97.68	465.93	5.84
		2	14.68	25.81	3.30	46.83	94.71	435.66	5.46
		3	14.92	43.38	6.66	94.62	123.05	680.46	8.53
	Cf	1	17.35	0.29	0.04	0.55	0.00	0.00	0.00
		2	17.50	0.97	0.27	3.89	0.00	0.00	0.00
	D	1	4.13	37.89	5.03	71.49	98.68	472.10	15.15
		2	4.13	113.01	17.42	247.40	147.44	818.32	26.27
		3	4.17	23.75	3.24	45.99	80.44	394.95	12.68
		4	4.45	35.78	5.90	83.84	103.14	612.63	19.66
	Dc	1	3.77	11.97	2.97	42.11	50.79	453.09	14.54
		2	3.63	12.52	2.95	41.91	54.91	466.17	14.96
		3	3.48	9.70	1.99	28.28	62.87	464.58	14.91
		4	3.34	14.94	3.66	51.91	63.12	556.05	17.85

07:30-08:30	Dcf	1	4.95	0.76	0.20	2.86	0.00	0.00	0.00
		2	4.94	0.09	0.01	0.08	0.00	0.00	0.00
		3	4.98	1.30	0.32	4.57	11.27	100.55	3.23
		4	4.99	3.18	0.75	10.65	18.68	158.61	5.09
		5	5.02	0.71	0.15	2.07	6.02	44.52	1.43
		6	5.04	2.66	0.65	9.24	21.55	189.88	6.09
	Df	1	24.00	144.51	43.63	619.62	241.84	2465.36	30.91
		2	24.00	3.22	0.97	13.76	24.01	260.53	3.27
	Dxp	1	3.50	1.56	0.41	5.86	4.65	44.27	1.42
		2	3.65	0.28	0.02	0.23	1.78	3.72	0.12
	Ec	1	3.76	8.34	1.80	25.62	48.09	374.34	12.02
		2	3.63	25.95	9.33	132.46	64.25	831.36	26.69
		3	3.51	40.56	15.06	213.88	82.57	1103.94	35.44
		4	3.38	11.36	1.87	26.58	71.26	422.57	13.56
	Ecf	1	3.45	0.80	0.21	3.05	2.61	25.35	0.81
		2	3.48	1.26	0.44	6.22	1.15	14.32	0.46
		3	3.52	6.07	2.18	30.98	31.91	412.88	13.25
		4	3.56	6.11	2.27	32.20	25.01	334.39	10.73
		5	3.64	4.05	0.71	10.05	29.44	185.16	5.94
	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	3.85	1.87	0.50	7.15	8.03	77.89	2.50
		2	3.99	1.09	0.14	2.02	7.47	35.16	1.13
	F	1	6.39	73.13	5.89	83.65	154.24	447.28	14.36
		2	6.43	74.40	6.01	85.39	155.63	452.89	14.54
		3	6.54	108.73	9.36	132.95	190.67	591.07	18.97
	Fc	1	19.01	16.09	6.76	95.96	43.53	658.20	10.97
		2	18.65	20.31	7.73	109.83	71.24	976.70	16.60
		3	19.32	5.62	1.76	25.04	60.97	689.23	10.84
	Ff	1	33.02	0.42	0.07	0.96	0.00	0.00	0.00
		2	32.98	0.18	0.02	0.23	0.00	0.00	0.00
	G	1	16.06	38.80	2.79	39.64	107.57	278.61	4.75
		2	11.45	43.44	2.99	42.49	105.59	261.86	8.41
	Gf	1	2.92	0.12	0.01	0.12	0.44	1.07	0.03
		2	2.88	0.12	0.01	0.11	0.43	0.99	0.03
	xA	1	17.22	3.31	1.53	21.70	10.96	182.01	5.84
		2	17.24	2.65	1.16	16.49	10.30	162.19	5.21
	xB	1	4.06	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	8.67	5.93	0.77	10.88	53.12	247.01	7.93
		2	8.70	5.57	0.70	9.89	52.20	234.91	7.54
	xD	1	9.13	0.00	0.00	0.00	0.00	0.00	0.00
		2	9.21	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	13.03	0.00	0.00	0.00	0.00	0.00	0.00
		2	13.03	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	7.99	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	6.65	6.58	0.75	10.60	25.91	105.71	4.07
	E1	1	6.00	24.84	2.09	29.69	86.54	262.23	8.42
		2	6.00	82.73	12.36	175.57	135.42	727.85	23.36
	Gf1	1	3.59	1.90	0.02	0.27	37.15	13.37	0.43
	Cc2	2	9.79	22.63	5.47	77.73	100.40	874.47	14.37
		3	10.22	4.23	0.46	6.49	23.62	91.89	1.32
		4	9.35	20.62	4.04	57.42	93.90	662.89	11.97
		5	8.43	16.91	2.61	37.10	88.58	492.51	10.11
		6	7.92	21.45	3.05	43.24	105.62	539.73	12.03
	E2	3	4.00	21.96	1.47	20.87	82.98	199.99	6.42
		4	4.07	21.87	1.40	19.84	82.99	190.89	6.13
	TC5	2	2.76	2.14	0.65	9.24	8.30	90.83	1.14
		3	2.76	4.85	2.12	30.14	9.11	143.45	1.80

		4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	11.00	12.01	1.54	21.80	45.36	208.65	2.62
		2	11.05	10.71	0.99	14.06	42.91	142.89	1.79
		3	11.12	11.56	1.36	19.24	45.09	190.30	2.39
	TC35	1	2.90	2.55	0.40	5.70	16.73	94.91	1.19
	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	11.13	0.12	1.76	71.39	28.56	0.99
	TC39	2	2.54	0.74	0.23	3.21	0.00	0.00	0.00
		3	2.40	1.81	0.79	11.25	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	96.62	2.52	35.83	126.80	119.19	4.15
	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	3.26	0.83	11.78	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	0.31	0.04	0.58	0.00	0.00	0.00
		2	3.15	0.62	0.13	1.86	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	1.50	2.35	0.54	7.70	33.75	279.97	8.99
	53	1	1.88	22.09	9.05	128.47	87.55	1290.97	41.44
	55	1	10.92	54.40	0.18	2.57	93.73	11.25	0.14
	56	1	24.00	55.05	0.21	3.04	94.95	13.29	0.17

Traffic Stream Results: Queues and blocking

Time Segment	Arm	Traffic Stream	Initial queue (PCU)	Mean max queue (PCU)	Max queue storage (PCU)	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))	Estimated blocking
	A	1	0.00	4.48	12.96	34.56	0.00	0.00	
		2	0.00	2.36	13.37	17.65	0.00	3.00	
		3	0.00	4.27	13.67	31.21	0.00	4.00	
		4	0.00	6.74	13.97	48.21	0.00	0.00	
	Ac	1	0.00	9.66	16.66	58.00	0.00	4.00	
		2	0.00	0.02	16.06	0.11	0.00	46.00	
		3	0.00	4.78	15.30	31.24	0.00	18.00	
	Acf	1	0.00	0.37	12.07	3.10	0.00	38.00	
		2	0.00	0.02	12.21	0.14	0.00	72.00	
	Af	1	0.00	0.05	9.56	0.54	0.00	36.00	
		2	0.00	0.02	9.52	0.17	0.00	39.00	
		3	0.00	0.04	9.54	0.43	0.00	36.00	
	B	1	0.00	5.32	16.46	32.31	0.00	0.00	
		2	0.00	5.30	16.90	31.37	0.00	0.42	
		3	0.00	8.17	17.34	47.12	0.00	0.00	
		4	0.00	7.94	17.81	44.58	0.00	0.00	
	Bc	1	0.00	2.67	23.12	11.53	0.00	10.00	
		2	0.00	5.01	22.88	21.91	0.00	11.11	
		3	0.00	12.45	22.65	54.98	0.00	8.00	
	Bcf	1	0.00	0.61	10.90	5.57	0.00	120.00	
		2	0.00	0.02	10.98	0.15	0.00	65.00	
		3	0.00	0.03	10.84	0.30	0.00	38.00	
		4	0.00	0.08	10.83	0.70	0.00	34.00	
	Bf	1	0.00	0.17	39.62	0.44	0.00	0.00	
		2	0.00	0.39	39.73	0.99	0.00	0.00	
	C	1	0.00	7.81	21.07	37.06	0.00	0.00	
		2	0.00	7.29	21.28	34.25	0.00	1.00	
		3	0.00	11.66	21.63	53.92	0.00	0.00	

07:30-08:30	Cf	1	0.00	0.04	25.15	0.15	0.00	0.00	
		2	0.00	0.27	25.37	1.08	0.00	0.00	
	D	1	0.00	8.07	9.57	84.34	0.00	0.00	
		2	0.00	20.57	9.57	215.10	0.00	0.00	
		3	0.00	7.28	9.67	75.28	0.00	0.00	
		4	0.00	11.08	10.32	107.39	0.00	0.00	
	Dc	1	0.00	7.58	8.74	86.68	0.00	4.07	
		2	0.00	7.80	8.41	92.72	0.00	2.03	
		3	0.00	6.48	8.07	80.26	0.00	15.92	
		4	0.00	8.02	7.74	103.60	0.00	16.48	
	Dcf	1	0.00	0.20	11.47	1.76	0.00	31.00	
		2	0.00	0.01	11.46	0.05	0.00	83.00	
		3	0.00	5.08	11.54	44.04	0.00	37.41	
		4	0.00	5.01	11.58	43.29	0.00	52.61	
		5	0.00	2.63	11.64	22.64	0.00	38.05	
		6	0.00	9.64	11.68	82.59	0.00	53.30	
	Df	1	0.00	57.28	34.78	164.69	0.00	39.62	
		2	0.00	9.39	34.78	27.00	0.00	0.00	
	Dxp	1	0.00	1.63	8.11	20.04	0.00	19.00	
		2	0.00	0.14	8.46	1.68	0.00	58.00	
	Ec	1	0.00	6.64	8.71	76.20	0.00	27.00	
		2	0.00	14.52	8.42	172.36	0.00	0.00	
		3	0.00	20.28	8.13	249.32	0.00	0.00	
		4	0.00	7.06	7.85	90.05	0.00	34.00	
	Ecf	1	0.00	4.87	7.99	60.92	0.00	20.52	
		2	0.00	5.08	8.06	63.03	0.00	18.04	
		3	0.00	7.09	8.16	86.85	0.00	39.29	
		4	0.00	7.10	8.26	86.00	0.00	48.86	
		5	0.00	4.82	8.44	57.07	0.00	79.59	
	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	5.05	8.93	56.55	0.00	16.00	
		2	0.00	2.37	9.26	25.60	0.00	14.00	
	F	1	0.00	8.13	14.81	54.92	0.00	0.00	
		2	0.00	8.26	14.91	55.43	0.00	0.00	
		3	0.00	11.96	15.17	78.83	0.00	0.00	
	Fc	1	0.00	11.54	31.71	36.37	0.00	5.00	
		2	0.00	32.06	31.45	101.93	0.00	12.30	
		3	0.00	20.31	31.28	64.92	0.00	22.49	
	Ff	1	0.00	0.07	47.85	0.14	0.00	0.00	
		2	0.00	0.02	47.80	0.03	0.00	0.00	
	G	1	0.00	4.51	27.16	16.62	0.00	17.17	
		2	0.00	4.87	26.54	18.35	0.00	19.02	
	Gf	1	0.00	2.33	6.76	34.41	0.00	90.03	
		2	0.00	2.33	6.69	34.79	0.00	90.03	
	xA	1	0.00	8.26	39.93	20.69	0.00	23.48	
		2	0.00	35.70	39.98	89.30	0.00	21.07	
	xB	1	0.00	0.00	9.42	0.00	0.00	11.00	
	xC	1	0.00	7.14	20.10	35.51	0.00	65.15	
		2	0.00	7.09	20.17	35.16	0.00	65.37	
	xD	1	0.00	0.00	21.17	0.00	0.00	16.00	
		2	0.00	0.00	21.35	0.00	0.00	62.00	
	xE	1	0.00	0.00	30.22	0.00	0.00	13.00	
		2	0.00	0.00	30.21	0.00	0.00	16.00	
	xF	1	0.00	0.00	18.53	0.00	0.00	18.00	
	Cc1	1	0.00	2.65	16.67	15.89	0.00	10.00	
	E1	1	0.00	4.38	13.91	31.48	0.00	0.00	
		2	0.00	16.86	13.91	121.20	0.00	0.00	

	Gf1	1	0.00	0.31	8.32	3.77	0.00	86.00	
	Cc2	2	0.00	16.10	15.76	102.15	0.00	9.33	
		3	0.00	1.65	15.53	10.65	0.00	14.00	
		4	0.00	11.22	15.78	71.15	0.00	8.00	
		5	0.00	8.16	15.37	53.10	0.00	10.00	
		6	0.00	11.84	15.30	77.44	0.00	30.00	
	E2	3	0.00	3.34	9.27	36.01	0.00	0.47	
		4	0.00	3.19	9.45	33.71	0.00	0.00	
	TC5	2	0.00	3.03	4.01	75.61	0.00	10.00	
		3	0.00	4.84	4.00	120.85	0.00	9.00	
		4	0.00	0.00	4.25	0.00	0.00	12.00	
	TC9	1	0.00	6.96	15.95	43.61	0.00	0.00	
		2	0.00	4.77	16.02	29.77	0.00	0.00	
		3	0.00	6.35	16.12	39.42	0.00	0.00	
	TC35	1	0.00	2.99	4.20	71.28	0.00	10.00	
	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	2.44	3.71	65.76	0.00	35.00	
	TC39	2	0.00	0.23	6.13	3.69	0.00	29.00	
		3	0.00	0.79	5.79	13.69	0.00	28.00	
	TC40	2	0.00	0.00	10.22	0.00	0.00	11.00	
		3	0.00	0.00	9.71	0.00	0.00	16.00	
	TC41	1	0.00	3.98	9.50	41.89	0.00	0.00	
		2	0.00	4.06	9.58	42.41	0.00	0.00	
	TC42	1	0.00	0.00	4.06	0.00	0.00	0.00	
	TC43	1	0.00	0.00	9.04	0.00	0.00	120.00	
	47	1	0.00	0.83	23.24	3.57	0.00	16.00	
	48	1	0.00	1.18	9.59	12.31	0.00	0.00	
	49	1	0.00	0.04	4.56	0.90	0.00	0.00	
		2	0.00	0.13	4.56	2.87	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	10.41	3.48	299.18	0.00	19.00	
	53	1	0.00	40.49	4.35	931.19	0.00	2.00	
	55	1	0.00	0.38	15.83	2.39	0.00	7.00	
	56	1	0.00	0.45	34.78	1.29	0.00	6.29	

Traffic Stream Results: Advanced

Time Segment	Arm	Traffic Stream	Degree of saturation penalty (£ per hr)	Ped gap accepting penalty (£ per hr)	Warmed up	Mean Max Queue EoTS (PCU)	Max End of Green Queue EoTS (PCU)	Max End of Red Queue EoTS (PCU)	PCU Factor	Cost of traffic penalties (£ per hr)	Performance Index (£ per hr)
	A	2	0.00	0.00	✓	2.36	0.04	1.54	1.00	0.00	8.91
		3	0.00	0.00	✓	4.27	0.29	4.17	1.00	0.00	20.78
		4	0.00	0.00	✓	6.76	1.42	6.44	1.00	0.00	52.69
	Ac	1	0.00	0.00	✓	9.71	2.63	7.83	1.00	0.00	85.54
		2	0.00	0.00	✓	0.02	0.02	0.02	1.00	0.00	0.25
		3	0.00	0.00	✓	4.78	0.07	0.65	1.00	0.00	3.71
	Acf	1	0.00	0.00	✓	0.37			1.00	0.00	5.31
		2	0.00	0.00	✓	0.02			1.00	0.00	0.24
	Af	1	0.00	0.00	✓	0.05			1.00	0.00	0.74
		2	0.00	0.00	✓	0.02			1.00	0.00	0.24
		3	0.00	0.00	✓	0.04			1.00	0.00	0.58
	B	1	0.00	0.00	✓	5.32	0.40	4.97	1.00	0.00	41.48
		2	0.00	0.00	✓	5.30	0.36	4.97	1.00	0.00	41.06
		3	0.00	0.00	✓	8.18	1.13	7.28	1.00	0.00	67.78
		4	0.00	0.00	✓	7.95	1.10	7.34	1.00	0.00	57.17
		1	0.00	0.00	✓	2.67	0.11	0.74	1.00	0.00	7.76

07:30-08:30	Bc	2	0.00	0.00	✓	5.02	0.26	1.45	1.00	0.00	14.71
		3	0.00	0.00	✓	12.46	0.85	2.26	1.00	0.00	29.14
	Bcf	1	0.00	0.00	✓	0.61			1.00	0.00	8.62
		2	0.00	0.00	✓	0.02			1.00	0.00	0.23
		3	0.00	0.00	✓	0.03			1.00	0.00	0.46
		4	0.00	0.00	✓	0.08			1.00	0.00	1.07
	Bf	1	0.00	0.00	✓	0.17			1.00	0.00	2.48
		2	0.00	0.00	✓	0.39			1.00	0.00	5.56
	C	1	0.00	0.00	✓	7.82	1.17	7.25	1.00	0.00	58.13
		2	0.00	0.00	✓	7.30	0.90	6.74	1.00	0.00	52.29
		3	0.00	0.00	✓	11.88	3.73	10.85	1.00	0.00	103.16
	Cf	1	0.00	0.00	✓	0.04			1.00	0.00	0.55
		2	0.00	0.00	✓	0.27			1.00	0.00	3.89
	D	1	0.00	0.00	✓	8.09	1.34	8.09	1.00	0.00	86.65
		2	0.00	0.00	✓	25.45	17.09	25.45	1.00	0.00	273.67
		3	0.00	0.00	✓	7.29	0.96	6.96	1.00	0.00	58.67
		4	0.00	0.00	✓	11.21	3.08	10.48	1.00	0.00	103.50
	Dc	1	0.00	0.00	✓	7.59	1.12	7.55	1.00	0.00	56.65
		2	0.00	0.00	✓	7.80	0.89	7.75	1.00	0.00	56.88
		3	0.00	0.00	✓	6.48	0.96	4.00	1.00	0.00	43.20
		4	0.00	0.00	✓	8.04	1.82	7.97	1.00	0.00	69.76
	Dcf	1	0.00	0.00	✓	0.20			1.00	0.00	2.86
		2	0.00	0.00	✓	0.01			1.00	0.00	0.08
		3	0.00	0.00	✓	5.08			1.00	0.00	7.80
		4	0.00	0.00	✓	5.01			1.00	0.00	15.74
		5	0.00	0.00	✓	2.63			1.00	0.00	3.50
		6	0.00	0.00	✓	9.64			1.00	0.00	15.33
	Df	1	0.00	0.00	✓	91.62	74.35	78.88	1.00	0.00	650.53
		2	0.00	0.00	✓	9.39	0.35	5.17	1.00	0.00	17.03
	Dxp	1	0.00	0.00	✓	1.63	0.33	1.56	1.00	0.00	7.28
		2	0.00	0.00	✓	0.14	0.01	0.14	1.00	0.00	0.35
	Ec	1	0.00	0.00	✓	6.64	0.46	6.43	1.00	0.00	37.63
		2	0.00	0.00	✓	15.33	8.43	15.24	1.00	0.00	159.15
		3	0.00	0.00	✓	23.94	16.98	23.80	1.00	0.00	249.31
		4	0.00	0.00	✓	7.06	0.17	6.97	1.00	0.00	40.14
	Ecf	1	0.00	0.00	✓	4.87			1.00	0.00	3.86
		2	0.00	0.00	✓	5.08			1.00	0.00	6.68
		3	0.00	0.00	✓	7.09			1.00	0.00	44.23
		4	0.00	0.00	✓	7.11			1.00	0.00	42.94
		5	0.00	0.00	✓	4.82			1.00	0.00	15.99
	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	✓	5.05	0.36	1.55	1.00	0.00	9.65
		2	0.00	0.00	✓	2.37	0.05	1.17	1.00	0.00	3.15
	F	1	0.00	0.00	✓	8.67	4.40	8.59	1.00	0.00	98.00
		2	0.00	0.00	✓	8.84	4.56	8.76	1.00	0.00	99.93
		3	0.00	0.00	✓	14.51	9.72	14.23	1.00	0.00	151.92
	Fc	1	0.00	0.00	✓	11.85	6.04	11.63	1.00	0.00	106.93
		2	0.00	0.00	✓	32.31	5.49	10.96	1.00	0.00	126.43
		3	0.00	0.00	✓	20.31	0.82	5.27	1.00	0.00	35.89
	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	✓	4.51	0.20	4.51	1.00	0.00	44.39
		2	0.00	0.00	✓	4.87	0.17	4.31	1.00	0.00	50.90
	Gf	1	0.00	0.00	✓	2.33			1.00	0.00	0.15
		2	0.00	0.00	✓	2.33			1.00	0.00	0.14
	xA	1	0.00	0.00	✓	8.27			1.00	0.00	27.54
		2	0.00	0.00	✓	35.71			1.00	0.00	21.69

	xB	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	xC	1	0.00	0.00	✓	7.14			1.00	0.00	18.81
		2	0.00	0.00	✓	7.09			1.00	0.00	17.43
	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	✓	2.65	0.12	1.76	1.00	0.00	14.66
	E1	1	0.00	0.00	✓	4.38	0.43	4.30	1.00	0.00	38.11
		2	0.00	0.00		19.34	11.01	18.66	1.00	0.00	198.93
	Gf1	1	0.00	0.00	✓	0.31			1.00	0.00	0.70
	Cc2	2	0.00	0.00	✓	16.14	2.22	9.61	1.00	0.00	92.11
		3	0.00	0.00	✓	1.65	0.12	1.53	1.00	0.00	7.80
		4	0.00	0.00	✓	11.23	0.63	9.16	1.00	0.00	69.38
		5	0.00	0.00	✓	8.16	0.32	7.91	1.00	0.00	47.21
		6	0.00	0.00	✓	11.84	0.25	8.75	1.00	0.00	55.28
	E2	3	0.00	0.00	✓	3.34	0.19	3.27	1.00	0.00	27.29
		4	0.00	0.00	✓	3.19	0.18	3.12	1.00	0.00	25.97
	TC5	2	0.00	0.00	✓	3.03	0.39	3.03	1.00	0.00	10.37
		3	0.00	0.00	✓	4.85	1.96	4.74	1.00	0.00	31.94
		4	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC9	1	0.00	0.00	✓	6.96	0.12	6.38	1.00	0.00	24.41
		2	0.00	0.00	✓	4.77	0.05	4.47	1.00	0.00	15.85
		3	0.00	0.00	✓	6.35	0.09	5.73	1.00	0.00	21.63
	TC35	1	0.00	0.00	✓	2.99	0.10	2.99	1.00	0.00	6.89
	TC36	1	0.00	0.00	✓	0.01			1.00	0.00	0.13
	TC37	1	0.00	0.00	✓	0.16	0.00	0.16	1.00	0.00	0.31
	TC38	1	0.00	0.00	✓	2.44			1.00	0.00	2.75
	TC39	2	0.00	0.00	✓	0.23			1.00	0.00	3.21
		3	0.00	0.00	✓	0.79			1.00	0.00	11.25
	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	✓	4.12	1.15	4.10	1.00	0.00	39.98
	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	✓	0.83			1.00	0.00	11.78
	48	1	0.00	0.00	✓	1.18			1.00	0.00	16.75
	49	1	0.00	0.00	✓	0.04			1.00	0.00	0.58
		2	0.00	0.00	✓	0.13			1.00	0.00	1.86
	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	✓	10.41	0.30	1.12	1.00	0.00	16.69
	53	1	0.00	0.00	✓	41.02	8.17	15.38	1.00	0.00	169.91
	55	1	0.00	0.00	✓	0.38	0.01	0.38	1.00	0.00	2.72
	56	1	0.00	0.00	✓	0.45	0.01	0.44	1.00	0.00	3.21

Pedestrian Crossing Results

Pedestrian Crossings: Pedestrian summary

Time Segment	Crossing	Side	Degree of saturation (%)	Calculated Flow Entering (Ped/hr)	Calculated sat flow (Ped/hr)	Actual green (s (per cycle))	Mean Delay Per Ped (s)	Mean max queue (Ped)	Weighted cost of delay (£ per hr)	Performance Index (£ per hr)
07:30-08:30	1	1	0	0	11000	7	0.00	0.00	0.00	0.00
		2	0	0	11000	7	0.00	0.00	0.00	0.00
	2	1	0	0	11000	58	0.00	0.00	0.00	0.00
		2	0	0	11000	58	0.00	0.00	0.00	0.00
	3	1	0	0	11000	8	0.00	0.00	0.00	0.00
		2	0	0	11000	8	0.00	0.00	0.00	0.00
	4	1	0	0	11000	68	0.00	0.00	0.00	0.00
		2	0	0	11000	68	0.00	0.00	0.00	0.00
	5	1	0	0	11000	68	0.00	0.00	0.00	0.00
		2	0	0	11000	68	0.00	0.00	0.00	0.00
	6	1	0	0	0	0	0.00	0.00	0.00	0.00
		2	0	0	0	0	0.00	0.00	0.00	0.00
	7	1	0	0	11000	72	0.00	0.00	0.00	0.00
		2	0	0	11000	72	0.00	0.00	0.00	0.00
	8	1	0	0	0	0	0.00	0.00	0.00	0.00
		2	0	0	0	0	0.00	0.00	0.00	0.00
	9	1	0	0	11000	24	0.00	0.00	0.00	0.00
		2	0	0	11000	24	0.00	0.00	0.00	0.00
	10	1	0	0	11000	36	0.00	0.00	0.00	0.00
		2	0	0	11000	36	0.00	0.00	0.00	0.00
	11	1	0	0	11000	60	0.00	0.00	0.00	0.00
		2	0	0	11000	60	0.00	0.00	0.00	0.00
	12	1	0	0	11000	58	0.00	0.00	0.00	0.00
		2	0	0	11000	58	0.00	0.00	0.00	0.00
	13	1	0	0	11000	10	0.00	0.00	0.00	0.00
		2	0	0	11000	10	0.00	0.00	0.00	0.00
	14	1	0	0	11000	100	0.00	0.00	0.00	0.00
		2	0	0	11000	100	0.00	0.00	0.00	0.00
	15	1	0	0	11000	11	0.00	0.00	0.00	0.00
		2	0	0	11000	11	0.00	0.00	0.00	0.00
	16	1	0	0	11000	8	0.00	0.00	0.00	0.00
		2	0	0	11000	8	0.00	0.00	0.00	0.00
	17	1	0	0	11000	5	0.00	0.00	0.00	0.00
		2	0	0	11000	5	0.00	0.00	0.00	0.00
	18	1	0	0	11000	7	0.00	0.00	0.00	0.00
		2	0	0	11000	7	0.00	0.00	0.00	0.00
	19	1	0	0	11000	7	0.00	0.00	0.00	0.00
		2	0	0	11000	7	0.00	0.00	0.00	0.00

Pedestrian Crossings: Flows and signals

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

Pedestrian Crossings: Stops and delays

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

Pedestrian Crossings: Queues and blocking

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

Pedestrian Crossings: Advanced

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

Network Results

Run Summary

Analysis set used	Run start time	Run finish time	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Ite wit wor over PR
1	16/07/2021 01:03:42	16/07/2021 01:03:54	07:30	120	4745.30	283.34	106.63	Df/1	12	8	TC42/1	50/1	TC4

Network Results: Vehicle summary

Time Segment	Degree of saturation (%)	Practical reserve capacity (%)	Calculated flow entering (PCU/hr)	Actual green (s (per cycle))	Mean Delay per Veh (s)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Performance Index (£ per hr)
07:30-08:30	107	-100	82701	10221	12.33	4023.45	721.85	4745.30

Network Results: Pedestrian summary

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

Network Results: Flows and signals

Time Segment	Calculated flow entering (PCU/hr)	Calculated flow out (PCU/hr)	Flow discrepancy (PCU/hr)	Adjusted flow warning	Degree of saturation (%)	DOS Threshold exceeded	Practical reserve capacity (%)	Actual green (s (per cycle))
07:30-08:30	82701	82633	379	✓	107	✓	-100	11435

Network Results: Stops and delays

Time Segment	Mean Cruise Time per Veh (s)	Mean Delay per Veh (s)	Total delay (PCU-hr/hr)	Weighted cost of delay (£ per hr)	Mean stops per Veh (%)	Total stops (Stops per hr)	Weighted cost of stops (£ per hr)
07:30-08:30	8.41	12.33	283.34	4023.45	34.38	28272.43	721.85

Network Results: Queues and blocking

Time Segment	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))
07:30-08:30	931.19	0.00	2501.51

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	4745.30

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	137.2	136.4	149.4	150.8	222.8	257.9	0.0
	B28	230.5	0.0	92.5	123.7	122.4	206.0	232.0	0.0
	C28	183.7	169.3	0.0	245.5	236.0	387.1	294.2	0.0
	D28	178.7	199.6	252.8	0.0	270.2	148.4	157.6	0.0
	E28	184.2	136.4	224.0	62.0	0.0	114.7	123.2	0.0
	F28	168.6	190.0	202.1	213.9	218.9	0.0	24.2	0.0
	G28	89.1	105.3	114.4	132.2	131.0	219.0	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)
32	C28	E28	81	237.30	81	237.30

36	C28	E28	81	237.02	81	237.02
68	E28	G28	168	122.68	168	122.68
81	G28	B28	65	104.00	65	104.00
82	G28	B28	65	103.90	65	103.90
83	G28	B28	4	147.58	4	147.58
84	G28	B28	0	0.00	0	0.00
85	D28	B28	105	199.62	105	199.62
86	D28	B28	105	199.52	105	199.52
87	D28	B28	0	0.00	0	0.00
88	D28	B28	0	0.00	0	0.00
89	H28	B28	0	0.00	0	0.00
90	H28	B28	0	0.00	0	0.00
91	C28	F28	59	387.05	59	387.05
92	E28	F28	50	114.70	50	114.70
100	E28	B28	230	136.22	230	136.22
102	A28	C28	348	136.81	348	136.81
104	C28	G28	370	395.08	370	395.08
107	A28	B28	24	137.17	24	137.17
109	C28	G28	488	185.60	488	185.60
110	E28	G28	22	126.95	22	126.95
111	G28	G28	0	0.00	0	0.00
112	F28	G28	40	24.15	40	24.15
113	G28	G28	0	0.00	0	0.00
114	C28	H28	0	0.00	0	0.00
115	B28	C28	9	90.76	9	90.76
116	G28	G28	0	0.00	0	0.00
117	G28	F28	2	264.43	2	264.43
118	G28	G28	0	0.00	0	0.00
124	H28	F28	0	0.00	0	0.00
125	H28	H28	0	0.00	0	0.00
128	F28	F28	0	0.00	0	0.00
129	F28	H28	0	0.00	0	0.00
130	G28	G28	0	0.00	0	0.00
131	G28	G28	0	0.00	0	0.00
132	H28	H28	0	0.00	0	0.00
133	F28	H28	0	0.00	0	0.00
136	A28	G28	291	230.77	291	230.77
137	H28	G28	0	0.00	0	0.00
138	H28	G28	0	0.00	0	0.00
139	A28	H28	0	0.00	0	0.00
140	E28	C28	4	184.65	4	184.65
141	E28	C28	0	0.00	0	0.00
142	C28	H28	0	0.00	0	0.00
143	E28	H28	0	0.00	0	0.00
144	D28	C28	0	0.00	0	0.00
145	H28	C28	0	0.00	0	0.00
146	F28	C28	5	197.88	5	197.88
147	G28	C28	0	0.00	0	0.00
148	G28	E28	103	133.43	103	133.43
149	G28	C28	0	0.00	0	0.00
150	E28	B28	241	136.64	241	136.64
151	C28	C28	0	0.00	0	0.00
152	C28	C28	0	0.00	0	0.00
153	E28	C28	36	224.38	36	224.38
154	E28	E28	0	0.00	0	0.00
155	D28	C28	131	250.61	131	250.61
156	D28	E28	24	272.09	24	272.09
157	H28	C28	0	0.00	0	0.00

158	H28	E28	0	0.00	0	0.00
159	F28	C28	8	204.63	8	204.63
160	F28	E28	5	223.03	5	223.03
166	B28	C28	82	92.64	82	92.64
171	G28	H28	0	0.00	0	0.00
172	F28	A28	72	168.61	72	168.61
175	G28	A28	0	0.00	0	0.00
179	C28	A28	0	0.00	0	0.00
185	A28	B28	24	137.27	24	137.27
186	A28	C28	25	130.19	25	130.19
195	D28	G28	142	156.18	142	156.18
196	D28	F28	148	148.39	148	148.39
199	C28	E28	2	145.12	2	145.12
200	C28	D28	0	0.00	0	0.00
201	C28	E28	0	0.00	0	0.00
204	A28	G28	511	273.37	511	273.37
205	A28	H28	0	0.00	0	0.00
207	A28	A28	0	0.00	0	0.00
234	C28	G28	150	398.38	150	398.38
235	E28	G28	0	0.00	0	0.00
236	E28	H28	0	0.00	0	0.00
294	C28	B28	18	169.60	18	169.60
295	C28	B28	18	168.94	18	168.94
296	D28	G28	78	160.31	78	160.31
297	D28	H28	0	0.00	0	0.00
304	C28	D28	346	245.54	346	245.54
314	E28	D28	51	62.04	51	62.04
315	G28	A28	330	89.10	330	89.10
320	C28	A28	3	218.58	3	218.58
321	C28	A28	558	183.50	558	183.50
323	E28	A28	8	142.56	8	142.56
324	E28	A28	466	184.95	466	184.95
325	D28	A28	3	178.71	3	178.71
326	H28	A28	0	0.00	0	0.00
395	C28	B28	0	0.00	0	0.00
396	C28	B28	0	0.00	0	0.00
397	C28	G28	0	0.00	0	0.00
398	C28	H28	0	0.00	0	0.00
399	C28	A28	0	0.00	0	0.00
401	C28	G28	12	295.21	12	295.21
402	C28	F28	0	0.00	0	0.00
403	C28	G28	0	0.00	0	0.00
404	C28	H28	0	0.00	0	0.00
411	A28	A28	0	0.00	0	0.00
412	B28	G28	335	239.11	335	239.11
413	B28	H28	0	0.00	0	0.00
414	B28	A28	0	0.00	0	0.00
415	B28	A28	35	230.54	35	230.54
416	B28	B28	0	0.00	0	0.00
417	B28	B28	0	0.00	0	0.00
426	B28	G28	134	214.08	134	214.08
427	B28	F28	49	206.05	49	206.05
428	B28	G28	0	0.00	0	0.00
429	B28	H28	0	0.00	0	0.00
439	B28	D28	266	123.67	266	123.67
440	B28	E28	194	122.29	194	122.29
461	B28	E28	386	122.39	386	122.39
468	A28	F28	165	222.78	165	222.78

469	A28	G28	0	0.00	0	0.00
470	F28	B28	8	190.08	8	190.08
471	F28	B28	8	189.97	8	189.97
478	G28	F28	98	218.05	98	218.05
495	G28	C28	0	0.00	0	0.00
496	G28	C28	6	155.51	6	155.51
497	C28	C28	0	0.00	0	0.00
498	C28	C28	0	0.00	0	0.00
499	C28	C28	0	0.00	0	0.00
500	C28	C28	0	0.00	0	0.00
501	C28	C28	0	0.00	0	0.00
502	C28	C28	0	0.00	0	0.00
503	E28	C28	0	0.00	0	0.00
504	D28	C28	0	0.00	0	0.00
508	A28	E28	374	150.99	374	150.99
514	G28	D28	118	132.16	118	132.16
515	G28	E28	103	128.51	103	128.51
516	G28	D28	0	0.00	0	0.00
517	G28	E28	0	0.00	0	0.00
518	A28	D28	2	149.36	2	149.36
519	A28	E28	69	150.04	69	150.04
520	E28	E28	0	0.00	0	0.00
521	D28	D28	0	0.00	0	0.00
522	D28	E28	24	268.29	24	268.29
523	H28	D28	0	0.00	0	0.00
524	H28	E28	0	0.00	0	0.00
525	F28	D28	68	213.93	68	213.93
526	F28	E28	5	214.68	5	214.68
527	G28	E28	0	0.00	0	0.00
528	G28	C28	333	113.64	333	113.64
529	G28	C28	0	0.00	0	0.00
530	C28	C28	0	0.00	0	0.00
531	C28	C28	0	0.00	0	0.00
532	E28	C28	36	227.92	36	227.92
533	D28	C28	131	254.98	131	254.98
534	H28	C28	0	0.00	0	0.00
535	F28	C28	8	202.41	8	202.41

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	20.60	15.01	57.66	4.48
	2	(untitled)	6	771-2	E	161	2050	36	3.00	25	263	15.78	10.02	49.26	2.36
	3	(untitled)	6	771-2	E	341	2050	36	4.00	53	71	17.83	11.94	43.17	4.27
	4	(untitled)	6	771-2	E	510	2050	36	0.00	79	15	26.79	20.77	66.68	6.74
Ac	1	(untitled)	6	771-2	D	1073	2263	64	4.00	86	4	23.67	16.49	45.86	9.66
	2	(untitled)	6	771-2	D	214	2263	64	46.00	17	423	9.80	0.30	0.00	0.02
	3	(untitled)	6	771-2	D	382	2263	64	18.00	31	193	7.79	1.20	15.60	4.78
Acf	1	(untitled)	6			1287	2263	120	38.00	57	58	6.25	1.05	0.00	0.37
	2	(untitled)	6			382	2263	120	72.00	17	433	7.38	0.16	0.00	0.02
Af	1	(untitled)	6			563	2050	120	36.00	27	228	6.93	0.33	0.00	0.05
	2	(untitled)	6			341	2050	120	39.00	17	441	6.74	0.18	0.00	0.02

	3	(untitled)	6			510	2050	120	36.00	25	262	6.87	0.29	0.00	0.04
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	399	2150	38	0.42	56	60	27.00	19.72	78.33	5.30
	3	(untitled)	1	769-1	B	527	2100	38	0.00	75	20	32.95	25.47	87.64	8.17
	4	(untitled)	1	769-1	B	511	2050	38	0.00	75	20	37.70	25.41	92.84	7.94
Bc	1	(untitled)	1	769-1	A	375	2050	58	10.00	37	146	14.02	4.05	14.67	2.67
	2	(untitled)	1	769-1	A	508	2050	58	11.11	50	78	15.40	5.54	22.19	5.01
	3	(untitled)	1	769-1	A	725	2050	58	8.00	71	27	17.63	7.86	28.64	12.45
Bcf	1	(untitled)	1			1475	2263	120	120.00	65	38	5.64	1.48	0.00	0.61
	2	(untitled)	1			375	2263	120	65.00	17	443	5.30	0.16	0.00	0.02
	3	(untitled)	1			508	2263	120	38.00	22	301	5.96	0.23	0.00	0.03
	4	(untitled)	1			725	2263	120	34.00	32	181	6.18	0.37	0.00	0.08
Bf	1	(untitled)	1			795	1800	120	0.00	44	104	28.13	0.79	0.00	0.17
	2	(untitled)	1			1038	1800	120	0.00	58	56	28.77	1.36	0.00	0.39
C	1	(untitled)	2	769-2	G	477	2100	34	0.00	76	19	42.32	27.79	97.68	7.81
	2	(untitled)	2	769-2	G	460	2200	34	1.00	72	26	40.49	25.81	94.71	7.29
	3	(untitled)	2	769-2	G	553	2050	34	0.00	90	0	58.30	43.38	123.05	11.66
Cf	1	(untitled)	2			477	1965	120	0.00	24	271	17.65	0.29	0.00	0.04
	2	(untitled)	2			1013	1965	120	0.00	52	75	18.48	0.97	0.00	0.27
D	1	(untitled)	3	770-1	B	478	2050	34	0.00	78	16	42.01	37.89	98.68	8.07
	2	(untitled)	3	770-1	B	555 <	1850	34	0.00	100	-10	117.14	113.01	147.44	20.57 +
	3	(untitled)	3	770-1	B	491	2250	34	0.00	73	24	27.91	23.75	80.44	7.28
	4	(untitled)	3	770-1	B	594 <	2250	34	0.00	88	2	40.23	35.78	103.14	11.08 +
Dc	1	(untitled)	3	770-1	A	892	2100	66	4.07	75	20	15.74	11.97	50.79	7.58
	2	(untitled)	3	770-1	A	849	2100	66	2.03	71	26	16.14	12.52	54.91	7.80
	3	(untitled)	3	770-1	A	739	2100	66	15.92	73	24	13.18	9.70	62.87	6.48
	4	(untitled)	3	770-1	A	881 <	2100	66	16.48	82	10	18.28	14.94	63.12	8.02 +
Dcf	1	(untitled)	3			953	2050	120	31.00	46	94	5.71	0.76	0.00	0.20
	2	(untitled)	3			209	2100	120	83.00	10	804	5.04	0.09	0.00	0.01
	3	(untitled)	3			892	2100	120	37.41	44	102	6.28	1.30	11.27	5.08
	4	(untitled)	3			849	2100	120	52.61	57	58	8.17	3.18	18.68	5.01
	5	(untitled)	3			739	2100	120	38.05	36	147	5.73	0.71	6.02	2.63
	6	(untitled)	3			881	2100	120	53.30	46	94	7.69	2.66	21.55	9.64
Df	1	(untitled)	3-2	13	B	1087 <	1900	103	39.62	107	-16	168.51	144.51	241.84	57.28 +
	2	(untitled)	3-2	13	B	1085	2250	103	0.00	56	62	27.22	3.22	24.01	9.39
Dxp	1	(untitled)	3-2	770-2	D	953	2050	101	19.00	55	65	5.05	1.56	4.65	1.63
	2	(untitled)	3-2	770-2	D	209	2050	101	58.00	12	650	3.93	0.28	1.78	0.14
Ec	1	(untitled)	4	770-3	F	778	2150	70	27.00	60	49	12.10	8.34	48.09	6.64
	2	(untitled)	4	770-3	F	1294 <	2263	70	0.00	95	-6	29.58	25.95	64.25	14.52 +
	3	(untitled)	4	770-3	F	1337 <	2263	70	0.00	98	-9	44.06	40.56	82.57	20.28 +
	4	(untitled)	4	770-3	F	593	2250	70	34.00	44	105	14.75	11.36	71.26	7.06
Ecf	1	(untitled)	4			970	2100	120	20.52	46	94	4.24	0.80	2.61	4.87
	2	(untitled)	4			1249	2100	120	18.04	60	51	4.74	1.26	1.15	5.08
	3	(untitled)	4			1294	2263	120	39.29	74	22	9.59	6.07	31.91	7.09
	4	(untitled)	4			1337	2300	120	48.86	78	15	9.67	6.11	25.01	7.10
	5	(untitled)	4			629	2300	120	79.59	36	153	7.69	4.05	29.44	4.82
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	970	2050	100	16.00	56	60	5.72	1.87	8.03	5.05
	2	(untitled)	4-2	770-4	L	471	2050	100	14.00	27	230	5.08	1.09	7.47	2.37
F	1	(untitled)	5	771-1	B	290	2100	16	0.00	92	-2	79.51	73.13	154.24	8.13
	2	(untitled)	5	771-1	B	291	2100	16	0.00	92	-3	80.82	74.40	155.63	8.26
	3	(untitled)	5	771-1	B	310	2100	16	0.00	98	-9	115.27	108.73	190.67	11.96
Fc	1	(untitled)	5	771-1	A	1512	2263	84	5.00	93	-3	35.10	16.09	43.53	11.54
	2	(untitled)	5	771-1	A	1371 <	2263	84	12.30	92	-3	38.95	20.31	71.24	32.06 +
	3	(untitled)	5	771-1	A	1130	2263	84	22.49	70	28	24.94	5.62	60.97	20.31
Ff	1	(untitled)	5			581	1900	120	0.00	31	194	33.44	0.42	0.00	0.07
	2	(untitled)	5			310	1900	120	0.00	16	452	33.16	0.18	0.00	0.02

G	1	(untitled)	2	769-2	F	259	2050	32	17.17	46	95	54.86	38.80	107.57	4.51
	2	(untitled)	2	769-2	F	248	2050	32	19.02	44	104	54.89	43.44	105.59	4.87
Gf	1	(untitled)	4			241	2050	120	90.03	12	665	3.04	0.12	0.44	2.33
	2	(untitled)	4			230	2050	120	90.03	11	702	3.00	0.12	0.43	2.33
xA	1	(untitled)	10			1661	2263	120	23.48	77	17	20.53	3.31	10.96	8.26
	2	(untitled)	10			1575	2263	120	21.07	72	25	19.90	2.65	10.30	35.70
xB	1	(untitled)				1475	Unrestricted	120	11.00	0	Unrestricted	4.06	0.00	0.00	0.00
xC	1	(untitled)				465	1900	120	65.15	41	117	14.60	5.93	53.12	7.14
	2	(untitled)				450	1900	120	65.37	39	130	14.27	5.57	52.20	7.09
xD	1	(untitled)				953	Unrestricted	120	16.00	0	Unrestricted	9.13	0.00	0.00	0.00
	2	(untitled)				209	Unrestricted	120	62.00	0	Unrestricted	9.21	0.00	0.00	0.00
xE	1	(untitled)				970	Unrestricted	120	13.00	0	Unrestricted	13.03	0.00	0.00	0.00
	2	(untitled)				471	Unrestricted	120	16.00	0	Unrestricted	13.03	0.00	0.00	0.00
xF	1	(untitled)				829	Unrestricted	120	18.00	0	Unrestricted	7.99	0.00	0.00	0.00
Cc1	1	(untitled)	2	769-2	E	408	2050	60	10.00	39	134	13.24	6.58	25.91	2.65
E1	1	(untitled)	4	770-3	G	303	2050	28	0.00	59	52	30.84	24.84	86.54	4.38
	2	(untitled)	4	770-3	G	538 <	2200	28	0.00	98	-8	88.73	82.73	135.42	16.86 +
Gf1	1	(untitled)	4			36	676	120	86.00	5	1591	5.49	1.90	37.15	0.31
Cc2	2	(untitled)	2	769-2	D	871 <	2150	58	9.33	84	7	32.41	22.63	100.40	16.10 +
	3	(untitled)	2	769-2	D	389	2050	58	14.00	38	137	14.45	4.23	23.62	1.65
	4	(untitled)	2	769-2	D	706	2150	58	8.00	66	37	29.97	20.62	93.90	11.22
	5	(untitled)	2	769-2	D	556	2050	58	10.00	54	66	25.34	16.91	88.58	8.16
	6	(untitled)	2	769-2	D	511	2050	58	30.00	50	81	29.37	21.45	105.62	11.84
E2	3	(untitled)	4	770-3	H	241	2150	28	0.47	46	98	25.95	21.96	82.98	3.34
	4	(untitled)	4	770-3	H	230	2050	28	0.00	45	101	25.94	21.87	82.99	3.19
TC5	2	(untitled)	TC771-6	TC777-1	A	1094	2263	99	10.00	57	57	4.90	2.14	8.30	3.03
	3	(untitled)	TC771-6	TC777-1	A	1575 <	2263	99	9.00	83	9	7.62	4.85	9.11	4.84 +
	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	460	1925	72	0.00	38	135	23.02	12.01	45.36	6.96
	2	(untitled)	TC771-6	TC777-1	B	333	1966	72	0.00	27	232	21.76	10.71	42.91	4.77
	3	(untitled)	TC771-6	TC777-1	B	422	1947	72	0.00	35	160	22.68	11.56	45.09	6.35
TC35	1	(untitled)	TC771-6	TC777-1	A	567	1900	99	10.00	35	154	5.45	2.55	16.73	2.99
TC36	1	(untitled)	TC771-6			227	1800	120	0.00	13	614	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	209	120	35.00	19	370	12.66	11.13	71.39	2.44
TC39	2	(untitled)	TC771-6			1094	2263	120	29.00	48	86	3.28	0.74	0.00	0.23
	3	(untitled)	TC771-6			1575	2263	120	28.00	70	29	4.21	1.81	0.00	0.79
TC40	2	(untitled)	TC771-6			1134	Unrestricted	120	11.00	0	Unrestricted	4.23	0.00	0.00	0.00
	3	(untitled)	TC771-6			1575	Unrestricted	120	16.00	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	94	1850	7	0.00	76	18	100.59	96.62	126.80	4.06
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			915	1300	120	16.00	70	28	19.30	3.26	0.00	0.83
48	1	(untitled)	2			1490	1965	120	0.00	76	19	9.46	2.85	0.00	1.18

49	1	(untitled)	TC771-6			472	1900	120	0.00	25	262	3.46	0.31	0.00	0.04
	2	(untitled)	TC771-6			755	1900	120	0.00	40	126	3.77	0.62	0.00	0.13
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		4	11	A	829 <	1800	103	19.00	53	69	3.85	2.35	33.75	10.41 +
53	1		6	12	A	1475 <	1800	103	2.00	95	-5	23.96	22.09	87.55	40.49 +
55	1		TC771-6	TC777-1	J	12	1800	7	7.00	10	800	65.32	54.40	93.73	0.38
56	1		3-2	13	A	14	1800	7	6.29	12	644	79.05	55.05	94.95	0.45

Pedestrian Crossing Results

				SIGNALS		FLOWS		PERFORMANCE			PER PED		QUEUES	WEIGHTS	P
Pedestrian	Side	Name	Traffic node	Controller stream	Phase	Calculated Flow Entering (Ped/hr)	Calculated sat flow (Ped/hr)	Actual green (s (per cycle))	Degree of saturation (%)	Practical reserve capacity	JourneyTime (s)	Mean Delay per Ped (s)	Mean max queue (Ped)	Delay weighting (%)	p (
1	1	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	
2	1	(untitled)	3	770-1	C	0	11000	58	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	3	770-1	C	0	11000	58	0	Unrestricted	0.00	0.00	0.00	100	
3	1	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
4	1	(untitled)	4	770-3	J	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	J	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
5	1	(untitled)	4	770-3	I	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	I	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
6	1	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	
7	1	(untitled)	5	771-1	C	0	11000	72	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	5	771-1	C	0	11000	72	0	Unrestricted	0.00	0.00	0.00	100	
8	1	(untitled)	1	769-1	C	0	0	0	0	-100	0.00	0.00	0.00	100	
	2	(untitled)	1	769-1	C	0	0	0	0	-100	0.00	0.00	0.00	100	
9	1	(untitled)	2	769-2	J	0	11000	24	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	J	0	11000	24	0	Unrestricted	0.00	0.00	0.00	100	
10	1	(untitled)	2	769-2	K	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	K	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	
11	1	(untitled)		769-2	H	0	11000	60	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		769-2	H	0	11000	60	0	Unrestricted	0.00	0.00	0.00	100	
12	1	(untitled)	2	769-2	I	0	11000	58	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	I	0	11000	58	0	Unrestricted	0.00	0.00	0.00	100	
13	1	(untitled)		TC777-1	I	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	I	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	
14	1	(untitled)		TC777-1	F	0	11000	100	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	F	0	11000	100	0	Unrestricted	0.00	0.00	0.00	100	
15	1	(untitled)		TC777-1	G	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	G	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	
16	1	(untitled)		TC777-1	H	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	H	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
17	1	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	
18	1	(untitled)	11	11	B	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	11	11	B	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	
19	1	(untitled)	12	12	B	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	12	12	B	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	

Network Results

	Distance travelled (PCU-km/hr)	Time spent (PCU-hr/hr)	Mean journey speed (kph)	Total delay (PCU-hr/hr)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Excess queue penalty (£ per hr)	Performance Index (£ per hr)
Normal traffic	7448.93	476.57	15.63	283.34	4023.45	721.85	0.00	4745.30
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	7448.93	476.57	15.63	283.34	4023.45	721.85	0.00	4745.30

- *< = 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***