TRANSYT 15

Version: 15.5.2.7994
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Filename: M62 JN 28 CRF Scheme_Mar 20- Scenario 1.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: 24/06/2021 13:53:44

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

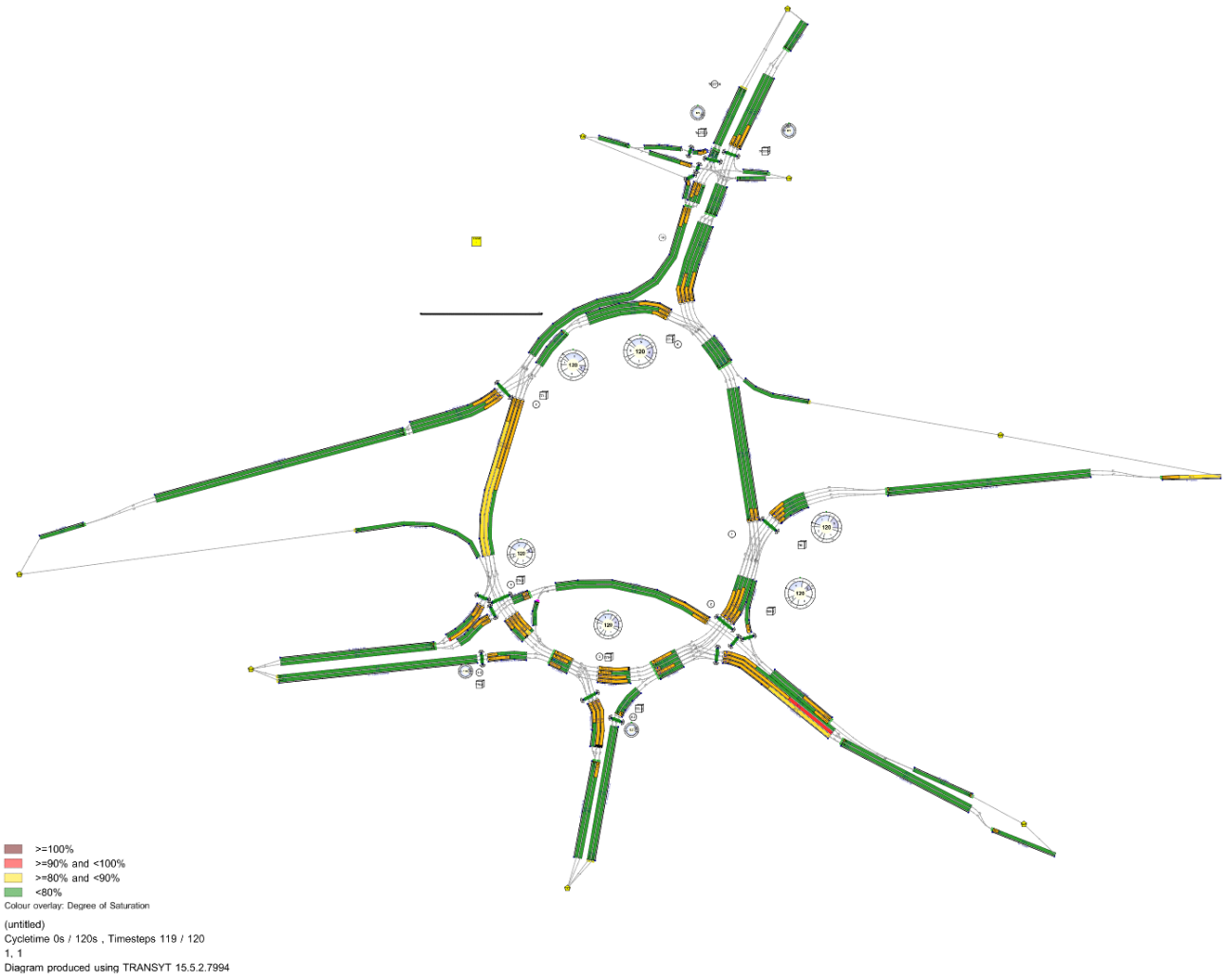
Units

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 - AM Base
D1 - AM 2019*

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	24/06/2021 13:52:11	24/06/2021 13:52:15	07:30	120	2592.27	145.85	98.61	D/3	4	3	TC42/1	Ecf/4	TC4

Analysis Set Details

Name	Description	Demand set	Include in report	Locked
AM Base		D1	✓	

Demand Set Details

Name	Description	Composite	Demand sets	Start time (HH:mm)	Locked
AM 2019				07:30	

Network Options

Network timings

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

Signals options

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

Advanced

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

Traffic options

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

Advanced

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

Normal Traffic parameters

Dispersion type	Dispersion coefficient	Travel time coefficient
Default	35	80

Normal Traffic Types

Name	PCU Factor
Normal	1.00

Bus parameters

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

Tram parameters

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

Pedestrian parameters

Dispersion type
Default

Optimisation options

Enable optimisation	Auto redistribute	Optimisation level	Enable OUT Profile accuracy
			✓

Advanced

Optimisation type	Hill climb increments	OUTProfile accuracy	Use enhanced optimisation	Auto optimisation order	Optimisation order	Master controller	Offsets relative to master controller	Master controller offset after each run
				✓				Do nothing

Economics

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

Traffic Nodes

Traffic Nodes

Traffic node	Name	Description
(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

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto length	Length (m)	Has Saturation Flow	Saturation flow source	Saturation flow (PCU/hr)	Auto-calculate cell saturation flow	Cell saturation flow (PCU/hr)	Is signal controlled	Is give way	Traffic type	Allow Nearside Turn On Red
A	1	(untitled)	M62E	✓	74.52	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.88	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.61	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.35	✓	Directly entered	2050		2050	✓		Normal	
Ac	1	(untitled)	M62E	✓	95.80	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Wake	✓	92.34	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.95	✓	Directly entered	2263		2263	✓		Normal	
Acf	1	(untitled)		✓	69.59	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	70.42	✓	Directly entered	2263		2263			Normal	
Af	1	(untitled)	M62E/Wake	✓	53.54	✓	Directly entered	2050		2050			Normal	
	2	(untitled)	Dews	✓	53.19	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	53.01	✓	Directly entered	2050		2050			Normal	
B	1	(untitled)	Wake/Dews	✓	94.67	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Brad	✓	97.18	✓	Directly entered	2150		2150	✓		Normal	
	3	(untitled)	Leeds	✓	99.69	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)		✓	102.42	✓	Directly entered	2050		2050	✓		Normal	
Bc	1	(untitled)	Wake	✓	132.85	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Dews	✓	131.47	✓	Directly entered	2050		2263	✓		Normal	
	3	(untitled)	Brad/M62W	✓	130.10	✓	Directly entered	2050		2050	✓		Normal	
Bcf	1	(untitled)		✓	62.67	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	63.14	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.35	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.25	✓	Directly entered	2263		2050			Normal	
Bf	1	(untitled)		✓	227.81	✓	Sum of lanes	1800		1600			Normal	
	2	(untitled)		✓	228.44	✓	Sum of lanes	1800		1700			Normal	
C	1	(untitled)	Dews/Brad	✓	121.13	✓	Directly entered	2100		2050	✓		Normal	
	2	(untitled)	M62W/Brad/Leeds	✓	122.36	✓	Directly entered	2200		2100	✓		Normal	
	3	(untitled)	Leeds/M62E	✓	124.35	✓	Directly entered	2050		1900	✓		Normal	
Cf	1	(untitled)		✓	144.60	✓	Sum of lanes	1965		1965			Normal	
	2	(untitled)		✓	145.86	✓	Sum of lanes	1965		1965			Normal	
D	1	(untitled)	Brad/M62		55.00	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Leeds		55.00	✓	Directly entered	1850		2075	✓		Normal	

	3	(untitled)	Leeds/M62/Wake	✓	52.87	✓	Directly entered	2250		2250	✓		Normal	
Dc	1	(untitled)	Brad	✓	50.67	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	46.78	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	44.83	✓	Directly entered	2100		2100	✓		Normal	
Dcf	1	(untitled)		✓	65.95	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	65.92	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	68.61	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	66.73	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	66.90	✓	Directly entered	2100		2100			Normal	
Df	1	(untitled)			200.00	✓	Sum of lanes	1900					Normal	
	2	(untitled)			200.00	✓	Directly entered	2250					Normal	
Dxp	1	(untitled)		✓	46.62	✓	Directly entered	2050			✓		Normal	
	2	(untitled)		✓	48.64	✓	Directly entered	2050			✓		Normal	
Ec	1	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal	
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)	M62E	✓	45.93	✓	Directly entered	2250		2250	✓		Normal	
Ecf	1	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal	
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	46.93	✓	Directly entered	2263		2263			Normal	
	4	(untitled)		✓	50.37	✓	Directly entered	2300		2300			Normal	
Ef	1	(untitled)		✓	127.54	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal	
Exp	1	(untitled)		✓	51.83	✓	Directly entered	2050		2100	✓		Normal	
	2	(untitled)		✓	53.71	✓	Directly entered	2050		2100	✓		Normal	
F	1	(untitled)	Leeds	✓	85.13	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.25	✓	Directly entered	2100		2100	✓		Normal	
Fc	1	(untitled)	Leeds	✓	183.21	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Leeds	✓	181.45	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	M62E/Dews	✓	180.28	✓	Directly entered	2263		2263	✓		Normal	
Ff	1	(untitled)		✓	275.73	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	275.39	✓	Sum of lanes	1900		1900			Normal	

G	1	(untitled)		✓	156.15	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)		✓	152.60	✓	Directly entered	2050		2050	✓		Normal	
Gf	1	(untitled)		✓	38.89	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	38.45	✓	Directly entered	2050		2050			Normal	
xA	1	(untitled)		✓	229.66	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	229.97	✓	Directly entered	2263		2263			Normal	
xB	1	(untitled)		✓	77.15								Normal	
xC	1	(untitled)		✓	115.60	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	115.98	✓	Sum of lanes	1900		1900			Normal	
xD	1	(untitled)		✓	121.71								Normal	
	2	(untitled)		✓	122.74								Normal	
xE	1	(untitled)		✓	173.89								Normal	
	2	(untitled)		✓	173.83								Normal	
xF	1	(untitled)		✓	162.53								Normal	
Cc1	1	(untitled)	Wake	✓	95.84	✓	Directly entered	2050		2050	✓		Normal	
E1	1	(untitled)	M62W/Leeds		80.00	✓	Directly entered	2050		1900	✓		Normal	
	2	(untitled)	Leeds/M62E		80.00	✓	Directly entered	2200		2100	✓		Normal	
Gf1	1	(untitled)		✓	49.26							✓	Normal	
Cc2	2	(untitled)	Dews	✓	91.58	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	89.25	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	88.96	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	88.65	✓	Directly entered	2050		2050	✓		Normal	
E2	3	(untitled)	Wake	✓	53.28	✓	Directly entered	2150		2050	✓		Normal	
	4	(untitled)	Wake	✓	54.33	✓	Directly entered	2050		2050	✓		Normal	
TC5	2	(untitled)		✓	23.03	✓	Sum of lanes	2263		2263	✓		Normal	
	3	(untitled)		✓	23.02	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)		✓	24.43	✓	Sum of lanes	1800		2263	✓		Normal	
TC9	1	(untitled)		✓	91.71	✓	Directly entered	1925		1925	✓		Normal	
	2	(untitled)		✓	92.11	✓	Sum of lanes	1966		1966	✓		Normal	
	3	(untitled)		✓	92.69	✓	Sum of lanes	1947		1947	✓		Normal	
TC35	1	(untitled)		✓	24.16	✓	Directly entered	1900		2263	✓		Normal	
TC36	1	(untitled)		✓	25.22	✓	Sum of lanes	1800					Normal	
TC37	1	(untitled)		✓	44.32	✓	Directly entered	1850		1850	✓		Normal	
TC38	1	(untitled)		✓	21.32	✓	Directly entered	1850		1850		✓	Normal	
TC39	2	(untitled)		✓	35.24	✓	Directly entered	2263		2263			Normal	
	3	(untitled)		✓	33.28	✓	Directly entered	2263		2263			Normal	
TC40	2	(untitled)		✓	58.74								Normal	
	3	(untitled)		✓	55.82								Normal	

TC41	1	(untitled)		✓	54.63	✓	Directly entered	1850		1850	✓		Normal	
TC42	1	(untitled)		✓	23.35	✓	Sum of lanes	1771			✓		Normal	
TC43	1	(untitled)		✓	51.77	✓	Sum of lanes	1800					Normal	
47	1	(untitled)		✓	133.63	✓	Directly entered	1300		1300			Normal	
48	1	(untitled)		✓	55.12	✓	Sum of lanes	1965					Normal	
49	1	(untitled)		✓	26.24	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	26.24	✓	Directly entered	1900					Normal	
50	1	(untitled)		✓	48.15	✓	Sum of lanes	1900					Normal	
51	1	(untitled)		✓	37.47	✓	Sum of lanes	1900					Normal	

Lanes

Arm	Traffic Stream	Lane	Name	Description	Use RR67	Surface condition	Site quality factor	Gradient (%)	Width (m)	Use connector turning radius	Proportion that turn (%)	Turning radius (m)	Nearside lane	Saturation flow (PCU/hr)
A	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
	4	4	(untitled)											
Ac	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
Acf	1	1	(untitled)											
	2	2	(untitled)											
Af	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
B	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
	4	4	(untitled)											
Bc	1	1	(untitled)											
	2	1	(untitled)											
	3	1	(untitled)											
Bcf	1	1	(untitled)											
	2	1	(untitled)											
	3	1	(untitled)											
	4	1	(untitled)											
Bf	1	1	(untitled)											1800
	2	1	(untitled)											1800
C	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
Cf	1	2	(untitled)											1965
	2	1	(untitled)											1965
D	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
Dc	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
	4	4	(untitled)											

Dcf	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
	4	4	(untitled)											
	5	5	(untitled)											
Df	1	1	(untitled)											1900
	2	2	(untitled)											
Dxp	1	1	(untitled)											
	2	1	(untitled)											
Ec	1	1	(untitled)											
	2	1	(untitled)											
	3	1	(untitled)											
	4	1	(untitled)											
Ecf	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
	4	4	(untitled)											
Ef	1	1	(untitled)											
	2	2	(untitled)											1900
Exp	1	1	(untitled)											
	2	2	(untitled)											
F	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
Fc	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
Ff	1	1	(untitled)											1900
	2	2	(untitled)											1900
G	1	1	(untitled)											
	2	2	(untitled)											
Gf	1	1	(untitled)											
	2	2	(untitled)											
xA	1	1	(untitled)											
	2	2	(untitled)											
xB	1	1	(untitled)											
xC	1	1	(untitled)											1900
	2	2	(untitled)											1900
xD	1	1	(untitled)											
	2	2	(untitled)											
xE	1	1	(untitled)											
	2	2	(untitled)											
xF	1	1	(untitled)											
Cc1	1	1	(untitled)											
E1	1	1	(untitled)											
	2	2	(untitled)											
Gf1	1	1	(untitled)											
Cc2	2	2	(untitled)											
	3	3	(untitled)											
	4	4	(untitled)											
	5	5	(untitled)											
E2	3	3	(untitled)											
	4	4	(untitled)											
TC5	2	1	(untitled)		✓	N/A	Clearly Good	0	3.50	✓	0	99999.00		2263
	3	1	(untitled)											
	4	1	(untitled)											1800
	1	1	(untitled)											

TC9	2	1	(untitled)		✓	N/A	Average	0	3.70	✓	0	99999.00		1966
	3	1	(untitled)		✓	N/A	Average	0	3.50	✓	0	99999.00		1947
TC35	1	1	(untitled)											
TC36	1	1	(untitled)											1800
TC37	1	1	(untitled)											
TC38	1	1	(untitled)											
TC39	2	1	(untitled)											
	3	1	(untitled)											
TC40	2	1	(untitled)											
	3	1	(untitled)											
TC41	1	1	(untitled)											
TC42	1	1	(untitled)		✓	N/A	Average	0	3.00	✓	0	9.44	✓	1771
TC43	1	1	(untitled)											1800
47	1	1	(untitled)											
48	1	1	(untitled)											1965
49	1	2	(untitled)											
	2	1	(untitled)											
50	1	1	(untitled)											1900
51	1	1	(untitled)											1900

Modelling

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

Dc	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Dcf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
Df	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Dxp	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Ec	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Ecf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Ef	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Exp	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
F	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Fc	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Ff	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00	✓	0.00	0.00	✓	2	0.00	0.00
G	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
Gf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xA	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xB	1	NetworkDefault	100	100	100		0.00							
xC	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xD	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xE	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xF	1	NetworkDefault	100	100	100		0.00							
Cc1	1	CTM	100	100	100		0.00							
E1	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
Gf1	1	NetworkDefault	100	100	100		0.00							
Cc2	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
E2	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							

TC5	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
TC9	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
TC35	1	CTM	100	100	100		0.00							
TC36	1	NetworkDefault	100	100	100		0.00							
TC37	1	CTM	100	100	100		0.00							
TC38	1	CTM	100	100	100		0.00							
TC39	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
TC40	2	PDM	100	100	100		0.00							
	3	PDM	100	100	100		0.00							
TC41	1	CTM	100	100	100		0.00							
TC42	1	NetworkDefault	100	100	100		0.00							
TC43	1	NetworkDefault	100	100	100		0.00							
47	1	CTM	100	100	100		0.00							
48	1	NetworkDefault	100	100	100		0.00							
49	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
50	1	NetworkDefault	100	100	100		0.00							
51	1	NetworkDefault	100	100	100		0.00							

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	326	326
	2	181	181
	3	295	295
	4	220	220
Ac	1	983	983
	2	169	169
	3	279	279
Acf	1	1152	1152
	2	279	279
Af	1	507	507
	2	295	295
	3	220	220
B	1	275	275
	2	381	381
	3	465	465
	4	498	498
Bc	1	386	386
	2	462	462
	3	296	296
	1	1309	1309

Bcf	**2**	386	386
	3	462	462
	4	296	296
Bf	**1**	656	656
	2	963	963
C	**1**	464	464
	2	540	540
	3	366	366
Cf	**1**	464	464
	2	906	906
D	**1**	365	365
	2	620	620
	3	728	728
Dc	**1**	850	850
	2	732	732
	3	532	532
	4	864	864
Dcf	**1**	566	566
	2	1071	1071
	3	732	732
	4	532	532
	5	864	864
Df	**1**	985	985
	2	728	728
Dxp	**1**	566	566
	2	222	222
Ec	**1**	580	580
	2	1085	1085
	3	1127	1127
	4	504	504
Ecf	**1**	1009	1009
	2	938	938
	3	1085	1085
	4	1659	1659
Ef	**1**	805	805
	2	449	449
Exp	**1**	1009	1009
	2	358	358
F	**1**	261	261
	2	168	168
	3	209	209
Fc	**1**	1275	1275
	2	1171	1171
	3	1025	1025
Ff	**1**	429	429
	2	209	209
G	**1**	317	317
	2	160	160
Gf	**1**	314	314
	2	135	135
xA	**1**	1303	1303
	2	1375	1375
xB	**1**	1309	1309
xC	**1**	523	523
	2	323	323
xD	**1**	566	566
	2	222	222

xE	1	1009	1009
	2	358	358
xF	1	630	630
Cc1	1	368	368
E1	1	284	284
	2	521	521
Gf1	1	28	28
Cc2	2	502	502
	3	647	647
	4	749	749
	5	498	498
E2	3	314	314
	4	135	135
TC5	2	1098	1098
	3	1375	1375
	4	0	0
TC9	1	491	491
	2	288	288
	3	215	215
TC35	1	205	205
TC36	1	41	41
TC37	1	13	13
TC38	1	13	13
TC39	2	1098	1098
	3	1375	1375
TC40	2	1111	1111
	3	1375	1375
TC41	1	28	28
TC42	1	0	0
TC43	1	0	0
47	1	845	845
48	1	1370	1370
49	1	491	491
	2	503	503
50	1	1619	1619
51	1	638	638

Signals

Arm	Traffic Stream	Controller stream	Phase	Second phase enabled
A	1	771-2	E	
	2	771-2	E	
	3	771-2	E	
	4	771-2	E	
Ac	1	771-2	D	
	2	771-2	D	
	3	771-2	D	
B	1	769-1	B	
	2	769-1	B	
	3	769-1	B	
	4	769-1	B	
Bc	1	769-1	A	
	2	769-1	A	
	3	769-1	A	
C	1	769-2	G	
	2	769-2	G	
	3	769-2	G	
D	1	770-1	B	
	2	770-1	B	

	3	770-1	B	
Dc	1	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
Dxp	1	770-2	D	
	2	770-2	D	
Ec	1	770-3	F	
	2	770-3	F	
	3	770-3	F	
	4	770-3	F	
Exp	1	770-4	L	
	2	770-4	L	
F	1	771-1	B	
	2	771-1	B	
	3	771-1	B	
Fc	1	771-1	A	
	2	771-1	A	
	3	771-1	A	
G	1	769-2	F	
	2	769-2	F	
Cc1	1	769-2	E	
E1	1	770-3	G	
	2	770-3	G	
Cc2	2	769-2	D	
	3	769-2	D	
	4	769-2	D	
	5	769-2	D	
E2	3	770-3	H	
	4	770-3	H	
TC5	2	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	1	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	1	TC777-1	A	
TC37	1	TC777-2	J	
TC41	1	TC777-1	D	
TC42	1	TC777-1	E	

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

Sources

Arm	Traffic Stream	Source	Source traffic stream	Destination traffic stream	Cruise time for Normal Traffic (s)	Cruise speed for Normal Traffic (kph)	Auto turning radius	Traffic turn style	Turning radius (m)

A	1	1	Af/1	A/1	5.59	48.00	✓	Straight	Straight Movement
	2	1	Af/1	A/2	5.77	48.00	✓	Straight	Straight Movement
	3	1	Af/2	A/3	5.90	48.00	✓	Straight	Straight Movement
	4	1	Af/3	A/4	6.03	48.00	✓	Straight	Straight Movement
Ac	1	1	Acf/1	Ac/1	7.19	48.00	✓	Offside	48.59
	2	1	Acf/1	Ac/2	9.50	35.00	✓	Offside	46.08
	3	1	Acf/2	Ac/3	6.60	48.00	✓	Offside	42.76
Acf	1	1	F/2	Acf/1	5.22	48.00	✓	Straight	Straight Movement
	2	1	F/3	Acf/2	7.24	35.00	✓	Straight	Straight Movement
Af	1	1	TC42/1	Af/1	6.42	30.00	✓	Nearside	10.60
	2	1	TC42/1	Af/2	6.38	30.00	✓	Nearside	10.60
	3	1	TC42/1	Af/3	6.36	30.00	✓	Nearside	10.60
B	1	1	Bf/1	B/1	7.10	48.00	✓	Straight	Straight Movement
	2	1	Bf/1	B/2	7.29	48.00	✓	Straight	Straight Movement
	3	1	Bf/2	B/3	7.48	48.00	✓	Straight	Straight Movement
	4	1	Bf/2	B/4	12.29	30.00	✓	Straight	Straight Movement
Bc	1	1	Bcf/2	Bc/1	11.96	40.00	✓	Offside	51.76
	2	1	Bcf/3	Bc/2	11.83	40.00	✓	Offside	48.45
	3	1	Bcf/4	Bc/3	11.71	40.00	✓	Offside	45.13
Bcf	1	1	A/1	Bcf/1	4.70	48.00	✓	Nearside	68.65
	2	1	A/2	Bcf/2	6.69	34.00	✓	Nearside	71.96
	3	1	A/3	Bcf/3	6.60	34.00	✓	Nearside	75.27
	4	1	A/4	Bcf/4	6.59	34.00	✓	Nearside	78.59
Bf	1	1	50/1	Bf/1	27.34	30.00	✓	Straight	Straight Movement
	2	1	50/1	Bf/2	27.41	30.00	✓	Straight	Straight Movement
C	1	1	Cf/1	C/1	14.54	30.00	✓	Offside	59.30
	2	1	Cf/2	C/2	14.68	30.00	✓	Offside	55.98
	3	1	Cf/2	C/3	14.92	30.00	✓	Offside	53.27
Cf	1	1	48/1	Cf/1	17.35	30.00	✓	Straight	Straight Movement
	2	1	48/1	Cf/2	17.50	30.00	✓	Straight	Straight Movement
D	1	1	Df/1	D/1	4.13	48.00	✓	Straight	Straight Movement
	2	1	Df/1	D/2	4.13	48.00	✓	Straight	Straight Movement
	3	1	Df/2	D/3	3.97	48.00	✓	Straight	Straight Movement
Dc	1	1	Dcf/2	Dc/1	3.80	48.00	✓	Offside	56.07
	2	1	Dcf/3	Dc/2	3.65	48.00	✓	Offside	52.76
	3	1	Dcf/4	Dc/3	3.51	48.00	✓	Offside	49.44
	4	1	Dcf/5	Dc/4	3.36	48.00	✓	Offside	46.13
Dcf	1	1	Cc2/2	Dcf/1	4.95	48.00	✓	Straight	Straight Movement
	2	1	Cc2/4	Dcf/2	4.94	48.00	✓	Straight	Straight Movement
	3	1	Cc2/3	Dcf/3	5.15	48.00	✓	Straight	Straight Movement
	4	1	C/2	Dcf/4	5.00	48.00	✓	Nearside	58.86
	5	1	Cc2/5	Dcf/5	5.02	48.00	✓	Straight	Straight Movement

Dxp	**1**	**1**	Dcf/1	Dxp/1	3.50	48.00	✓	Nearside	80.62
	2	**1**	Dcf/2	Dxp/2	3.65	48.00	✓	Nearside	83.93
Ec	**1**	**1**	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42
	2	**1**	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	**1**	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	**1**	Ecf/4	Ec/4	3.44	48.00	✓	Offside	67.06
Ecf	**1**	**1**	Dc/1	Ecf/1	3.45	48.00	✓	Offside	76.11
	2	**1**	Dc/2	Ecf/2	3.48	48.00	✓	Offside	72.80
	3	**1**	Dc/3	Ecf/3	3.52	48.00	✓	Offside	69.49
	4	**1**	Dc/4	Ecf/4	3.78	48.00	✓	Offside	66.17
Exp	**1**	**1**	Ecf/1	Exp/1	3.89	48.00	✓	Nearside	52.96
	2	**1**	Ecf/2	Exp/2	4.03	48.00	✓	Nearside	56.27
F	**1**	**1**	Ff/1	F/1	6.38	48.00	✓	Straight	Straight Movement
	2	**1**	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement
	3	**1**	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	**1**	**1**	Ec/2	Fc/1	18.84	35.00	✓	Straight	Straight Movement
	2	**1**	Ec/3	Fc/2	18.66	35.00	✓	Straight	Straight Movement
	3	**1**	Ec/4	Fc/3	18.54	35.00	✓	Straight	Straight Movement
Ff	**1**	**1**	51/1	Ff/1	33.09	30.00	✓	Straight	Straight Movement
	2	**1**	51/1	Ff/2	33.05	30.00	✓	Straight	Straight Movement
G	**1**	**1**	Gf/1	G/1	16.06	35.00	✓	Offside	96.83
	2	**1**	Gf/2	G/2	11.45	48.00	✓	Offside	93.51
Gf	**1**	**1**	E2/3	Gf/1	2.92	48.00	✓	Straight	Straight Movement
	2	**1**	E2/4	Gf/2	2.88	48.00	✓	Straight	Straight Movement
xA	**1**	**1**	F/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	**1**	F/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
xB	**1**	**1**	Bcf/1	xB/1	5.79	48.00	✓	Nearside	59.55
xC	**1**	**1**	G/1	xC/1	8.67	48.00	✓	Straight	Straight Movement
	2	**1**	G/2	xC/2	8.70	48.00	✓	Straight	Straight Movement
xD	**1**	**1**	Dxp/1	xD/1	9.13	48.00	✓	Nearside	30.26
	2	**1**	Dxp/2	xD/2	9.21	48.00	✓	Nearside	33.58
xE	**1**	**1**	Exp/1	xE/1	13.04	48.00	✓	Straight	Straight Movement
	2	**1**	Exp/2	xE/2	13.04	48.00	✓	Straight	Straight Movement
xF	**1**	**1**	Ec/1	xF/1	12.19	48.00	✓	Straight	Straight Movement
Cc1	**1**	**1**	B/1	Cc1/1	8.63	40.00	✓	Straight	Straight Movement
E1	**1**	**1**	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	**1**	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96
Gf1	**1**	**1**	Ecf/4	Gf1/1	3.69	48.00	✓	Offside	25.08
Cc2	**2**	**1**	B/1	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	3	**1**	Bc/3	Cc2/3	5.95	54.00	✓	Straight	Straight Movement
	4	**1**	Bc/3	Cc2/4	5.93	54.00	✓	Straight	Straight Movement
	5	**1**	Bc/3	Cc2/5	5.91	54.00	✓	Offside	97.08

E2	**3**	**1**	Ef/2	E2/3	4.00	48.00	✓	Nearside	43.25
	4	**1**	Ef/2	E2/4	4.07	48.00	✓	Nearside	43.25
TC5	**2**	**1**	xA/1	TC5/2	2.76	30.00	✓	Straight	Straight Movement
	3	**1**	xA/2	TC5/3	2.76	30.00	✓	Straight	Straight Movement
	4	**1**	xA/2	TC5/4	2.93	30.00	✓	Straight	Straight Movement
TC9	**1**	**1**	49/1	TC9/1	11.00	30.00	✓	Straight	Straight Movement
	2	**1**	49/2	TC9/2	11.05	30.00	✓	Straight	Straight Movement
	3	**1**	49/2	TC9/3	11.12	30.00	✓	Straight	Straight Movement
TC35	**1**	**1**	xA/1	TC35/1	2.90	30.00	✓	Straight	Straight Movement
TC37	**1**	**1**	TC36/1	TC37/1	3.19	50.00	✓	Nearside	46.04
TC38	**1**	**1**	TC37/1	TC38/1	1.53	50.00	✓	Straight	Straight Movement
TC39	**2**	**1**	TC5/2	TC39/2	2.54	50.00	✓	Straight	Straight Movement
	3	**1**	TC5/3	TC39/3	2.40	50.00	✓	Straight	Straight Movement
TC40	**2**	**1**	TC38/1	TC40/2	4.23	50.00	✓	Nearside	11.92
	3	**1**	TC39/3	TC40/3	4.02	50.00	✓	Offside	77.43
TC41	**1**	**1**	TC36/1	TC41/1	3.93	50.00	✓	Straight	Straight Movement
TC43	**1**	**1**	TC9/1	TC43/1	3.73	50.00	✓	Nearside	6.11
47	**1**	**1**	xC/1	47/1	16.04	30.00	✓	Straight	Straight Movement
Acf	**1**	**2**	Fc/3	Acf/1	5.22	48.00	✓	Straight	Straight Movement
	2	**2**	Fc/3	Acf/2	7.24	35.00	✓	Straight	Straight Movement
Af	**1**	**2**	TC9/1	Af/1	6.42	30.00	✓	Straight	Straight Movement
	2	**2**	TC9/2	Af/2	6.38	30.00	✓	Straight	Straight Movement
	3	**2**	TC9/3	Af/3	6.36	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
Dcf	**1**	**2**	C/1	Dcf/1	4.95	48.00	✓	Nearside	55.54
	2	**2**	C/1	Dcf/2	4.94	48.00	✓	Nearside	55.54
	3	**2**	C/2	Dcf/3	5.15	48.00	✓	Nearside	58.86
	4	**2**	Cc2/3	Dcf/4	8.01	30.00	✓	Straight	Straight Movement
	5	**2**	C/3	Dcf/5	5.02	48.00	✓	Nearside	62.17
Ecf	**1**	**2**	D/1	Ecf/1	3.45	48.00	✓	Nearside	43.36
	2	**2**	D/1	Ecf/2	3.48	48.00	✓	Nearside	43.36
	3	**2**	D/2	Ecf/3	3.52	48.00	✓	Nearside	46.68
	4	**2**	D/3	Ecf/4	3.78	48.00	✓	Nearside	49.99
Fc	**1**	**2**	E1/1	Fc/1	20.61	32.00	✓	Nearside	58.94
	2	**2**	E1/1	Fc/2	20.41	32.00	✓	Nearside	60.85
	3	**2**	E1/2	Fc/3	20.28	32.00	✓	Nearside	64.16
G	**1**	**2**	Gf1/1	G/1	16.06	35.00	✓	Offside	17.91
	2	**2**	Gf1/1	G/2	11.45	48.00	✓	Offside	15.13
xA	**1**	**2**	Fc/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	**2**	Fc/2	xA/2	17.25	48.00	✓	Straight	Straight Movement

xC	1	2	Cc1/1	xC/1	8.67	48.00	✓	Nearside	56.51
	2	2	Cc1/1	xC/2	8.70	48.00	✓	Nearside	57.28
xF	1	2	E1/1	xF/1	12.19	48.00	✓	Nearside	40.67
Cc1	1	2	Bc/1	Cc1/1	6.39	54.00	✓	Straight	Straight Movement
Cc2	2	2	Bc/2	Cc2/2	6.11	54.00	✓	Straight	Straight Movement
	3	2	B/3	Cc2/3	8.03	40.00	✓	Straight	Straight Movement
	4	2	B/2	Cc2/4	8.01	40.00	✓	Straight	Straight Movement
	5	2	B/4	Cc2/5	7.98	40.00	✓	Straight	Straight Movement
TC39	2	2	TC42/1	TC39/2	2.54	50.00	✓	Offside	9.44
	3	2	TC42/1	TC39/3	2.40	50.00	✓	Offside	9.44
TC40	2	2	TC39/2	TC40/2	4.23	50.00	✓	Offside	80.74
TC43	1	2	TC5/4	TC43/1	3.73	50.00	✓	Offside	21.45
47	1	2	xC/2	47/1	16.04	30.00	✓	Straight	Straight Movement
Acf	1	3	Fc/2	Acf/1	5.22	48.00	✓	Straight	Straight Movement
Af	1	3	TC41/1	Af/1	6.42	30.00	✓	Offside	6.19
	2	3	TC41/1	Af/2	6.38	30.00	✓	Offside	6.19
	3	3	TC41/1	Af/3	6.36	30.00	✓	Offside	6.19
Bcf	2	3	Ac/3	Bcf/2	3.99	57.00	✓	Offside	86.42
Dcf	3	3	Cc2/4	Dcf/3	8.23	30.00	✓	Straight	Straight Movement
Ecf	4	3	D/2	Ecf/4	6.04	30.00	✓	Nearside	46.68
xA	2	3	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
Cc2	2	3	B/2	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	4	3	Bc/2	Cc2/4	5.93	54.00	✓	Straight	Straight Movement
	2	4	Bc/1	Cc2/2	6.11	54.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

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

Pedestrian Crossings

Pedestrian Crossings

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

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	

Pedestrian Crossings - Sides

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

Pedestrian Crossings - Modelling

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

Local OD Matrix - Local Matrix: 1

Local Matrix Options

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

Normal Input Flows (PCU/hr)

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	0	46	278	2	432	64	797	0
	B28	34	0	73	252	536	23	452	0
	C28	477	28	0	206	159	21	822	0
	D28	3	201	135	0	38	42	219	0
	E28	469	449	74	50	0	29	183	0
	F28	8	7	3	6	4	0	13	0
	G28	318	114	224	114	198	26	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	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
	23	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	
	24		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	25		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
	32	I1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	
	36		C28	E28	Df/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	
	41		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	
	42		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	43		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
	44		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	45		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	49	I1	C28	D28	Df/1, D/1, Ecf/2, Ec/1, xF/1	Normal	
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	86		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/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	
96		A28	C28	50/1, Bf/1, B/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Disabled	
97		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	
98		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
99	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	
100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Fixed	
101		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	
104	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	
106		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	
108		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
109	I3	C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
111		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	
113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	
114		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	
116		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
117		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
118		F28	C28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
119		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
120		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
121		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	
122		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
123		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
124		E28	C28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	
126		D28	C28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
127		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
128		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
129		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
131		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	
132		H28	C28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
133		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
134		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
135		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
136		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	
138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	
139		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
140		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
141		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
142		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	
144		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
145		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
146		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
147		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
148		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
149	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	
150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	
151		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	
152		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	

	153		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal
	154		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed
	155		E28	C28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed
	156		C28	G28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed
	157		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal
	158		B28	D28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal
	159		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed
	160		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal
	161		B28	F28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal
	162		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal
1	163		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal
	164		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal
	165		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal
	166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal
	167		B28	E28	48/1, Cf/1, C/1, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal
	168		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal
	169		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal
	170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal
	171		G28	H28	49/1, TC9/1, TC43/1	Normal
	175		G28	C28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed
	176		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal
	177		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal
	178		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed
	181		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal
	185		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal
	186		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed
	187		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal
	195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal
	196		D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal
	197		D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed
	198		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal
	199		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal
	200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal
	201		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal
	204		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed
	205		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed
	206		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal
	207		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal
	210		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal
	211		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal
	212		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal
	213		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed
	214		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal
	215		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal
	218		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Fixed
	219		A28	F28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal
	220		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal
	221		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal
	222		A28	D28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal
	223		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed
	224		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal
	225		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed
	226		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal
	227		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal
	228		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed
	229		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed
	230		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal
	231		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed

	232		A28	H28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	233		B28	H28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	234	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	235		E28	G28	Ef/1, E1/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	236		E28	H28	Ef/1, E1/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	237		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	238		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Fixed	
	239		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	
	240		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
	241		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
	242		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	243		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	244		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	245		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	246		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	247		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	248		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
	249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	250		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	251		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	252		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	253		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	254		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	
	255	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	
	256		C28	C28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	257		C28	H28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	258		C28	A28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	
	259		C28	C28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	260		C28	A28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	
	261		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	262		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	263		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	264		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	265		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	266		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	
	267		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Fixed	

Signal Timings

Network Default: 120s cycle time; 120 steps

Controller Stream 769-1

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

Controller Stream 769-1 - Properties

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

Controller Stream 769-1 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 769-1

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

Banned Stage transitions for Controller Stream 769-1

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 769-1

		To	
		1	2
From	1	0	7
	2	5	0

Resultant Stages

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

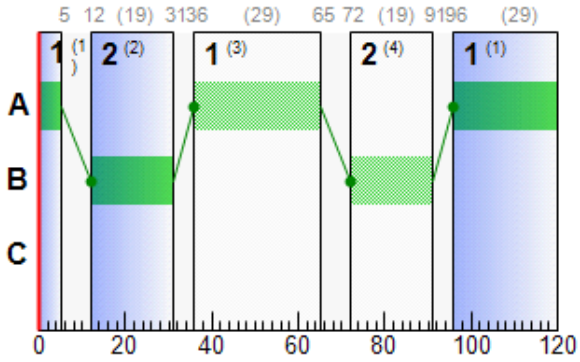
Resultant Phase Green Periods

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

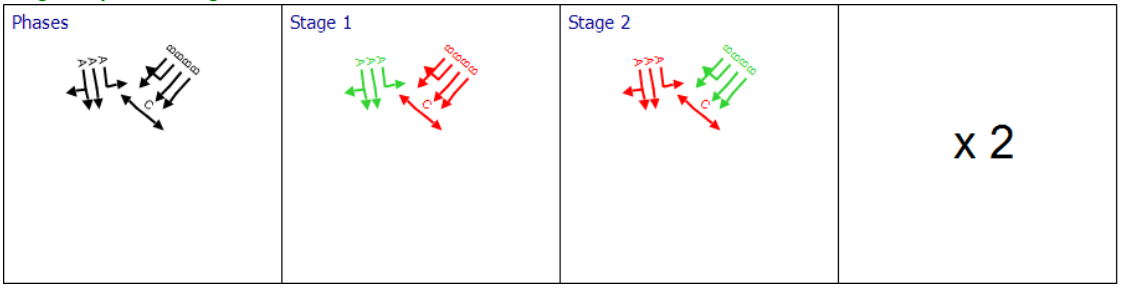
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 769-1



Stage Sequence Diagram for Controller Stream 769-1



Controller Stream 769-2

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

Controller Stream 769-2 - Properties

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

Controller Stream 769-2 - Optimisation

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

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

Controller Stream	Delay	Type	Phase	From stage	To stage	Relative delay	Absolute delay
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, 23	4, 5	64, 83
	2	(untitled)	Double	✓	4, 6, 5	0, 16, 32	4, 6, 5	33, 34, 35
	3	(untitled)	Double	✓	4, 5, 6	0, 26, 34	4, 5, 6	60, 88, 95
	4	(untitled)	Double	✓	4, 6	2, 23	4, 6	62, 83

Intergreen Matrix for Controller Stream 769-2

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

Banned Stage transitions for Controller Stream 769-2

		To		
		4	5	6
From	4			
	5			
	6			

Interstage Matrix for Controller Stream 769-2

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

Resultant Stages

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

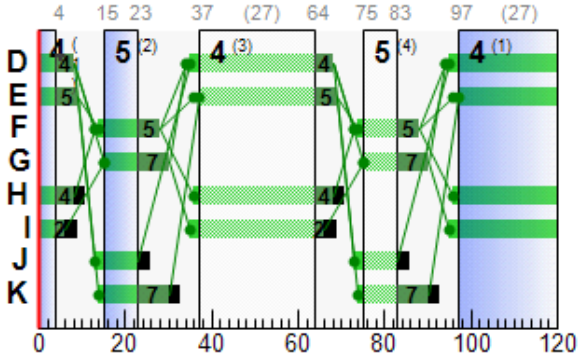
Resultant Phase Green Periods

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

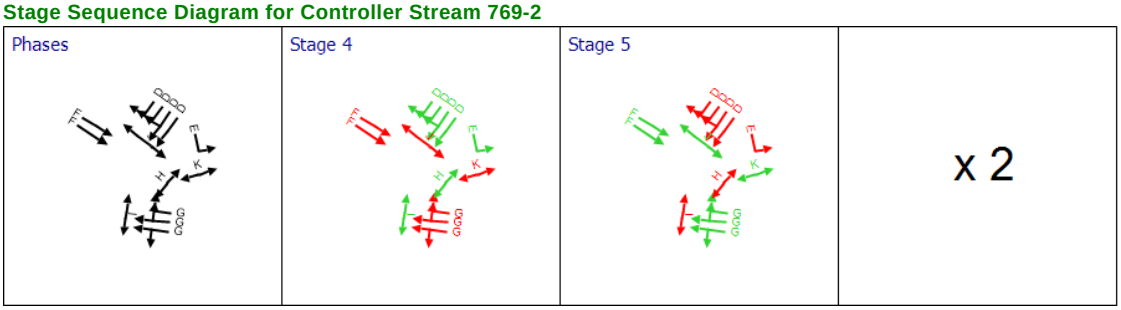
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 769-2



Stage Sequence Diagram for Controller Stream 769-2



Controller Stream 770-1

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

Controller Stream 770-1 - Properties

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

Controller Stream 770-1 - Optimisation

Controller Stream	Allow offset optimisation	Allow green split optimisation	Optimisation level	Auto redistribute	Enable stage constraint
770-1			None		

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Equal length multiple cycling	Stage IDs	Stage ends	Multiple cycling stage IDs	Multiple cycling stage ends
770-1	1	(untitled)	Double	✓	1, 2	7, 34	1, 2	67, 94

Intergreen Matrix for Controller Stream 770-1

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

Banned Stage transitions for Controller Stream 770-1

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 770-1

		To	
		1	2
From	1	0	7
	2	5	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
770-1	1	✓	1	A,C	99	7	28	1	5
	2	✓	2	B	14	34	20	1	7
	3		1	A,C	39	67	28	1	5
	4		2	B	74	94	20	1	7

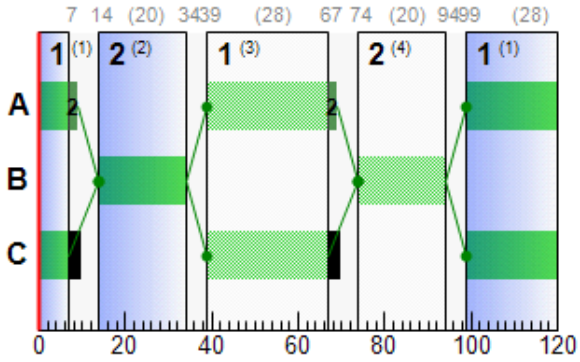
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
770-1	A	1		39	69	30
		2	✓	99	9	30
	B	1	✓	14	34	20
		2		74	94	20
	C	1		39	67	28
		2	✓	99	7	28

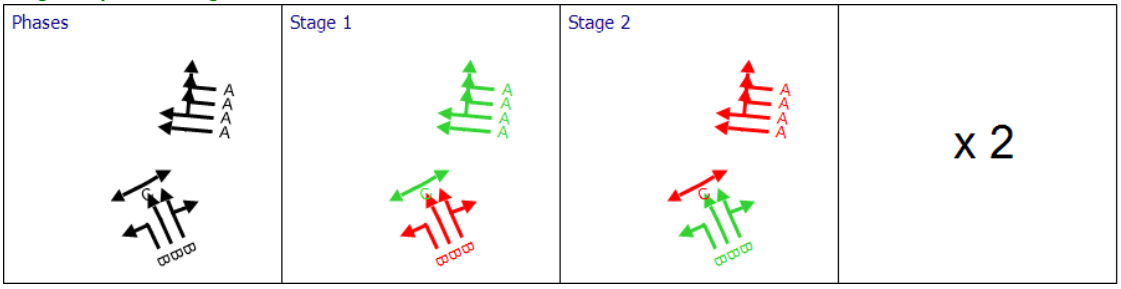
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
D	1	3	770-1	B	14	34	20	74	94	20
D	2	3	770-1	B	14	34	20	74	94	20
D	3	3	770-1	B	14	34	20	74	94	20
Dc	1	3	770-1	A	39	69	30	99	9	30
Dc	2	3	770-1	A	39	69	30	99	9	30
Dc	3	3	770-1	A	39	69	30	99	9	30
Dc	4	3	770-1	A	39	69	30	99	9	30

Phase Timings Diagram for Controller Stream 770-1



Stage Sequence Diagram for Controller Stream 770-1



Controller Stream 770-2

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

Controller Stream 770-2 - Properties

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

Controller Stream 770-2 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 770-2

		To	
		D	E
From	D		5
	E	7	

Banned Stage transitions for Controller Stream 770-2

		To	
		4	5
From	4		
	5		

Interstage Matrix for Controller Stream 770-2

		To	
		4	5
From	4	0	5
	5	7	0

Resultant Stages

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

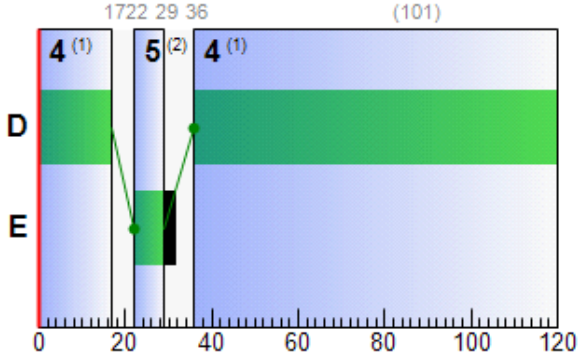
Resultant Phase Green Periods

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

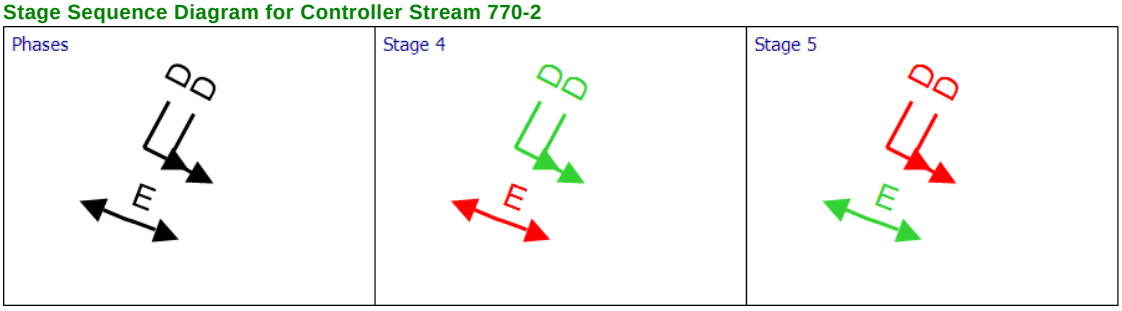
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 770-2



Stage Sequence Diagram for Controller Stream 770-2



Controller Stream 770-3

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

Controller Stream 770-3 - Properties

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

Controller Stream 770-3 - Optimisation

Controller Stream	Allow offset optimisation	Allow green split optimisation	Optimisation level	Auto redistribute	Enable stage constraint
770-3			None		

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 770-3

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

Banned Stage transitions for Controller Stream 770-3

		To		
		7	8	9
From	7			
	8			
	9			

Interstage Matrix for Controller Stream 770-3

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

Resultant Stages

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

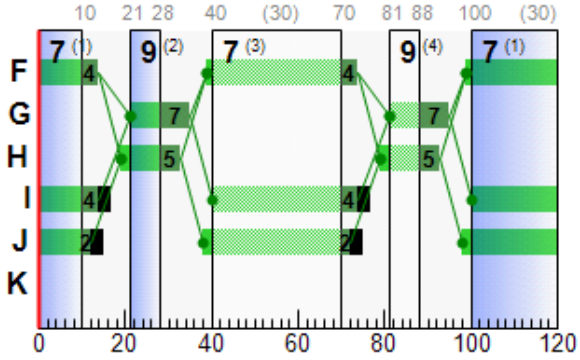
Resultant Phase Green Periods

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

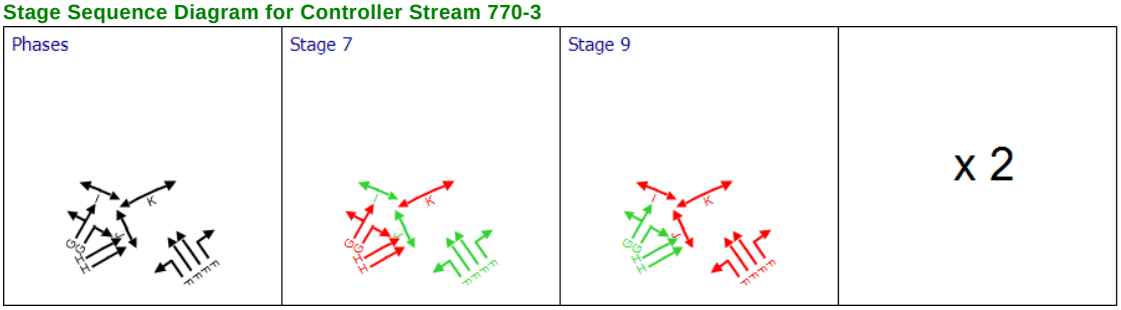
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 770-3



Stage Sequence Diagram for Controller Stream 770-3



Controller Stream 770-4

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

Controller Stream 770-4 - Properties

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

Controller Stream 770-4 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 770-4

		To	
		L	M
From	L		5
	M	7	

Banned Stage transitions for Controller Stream 770-4

		To	
		11	12
From	11		
	12		

Interstage Matrix for Controller Stream 770-4

		To	
		11	12
From	11	0	5
	12	7	0

Resultant Stages

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

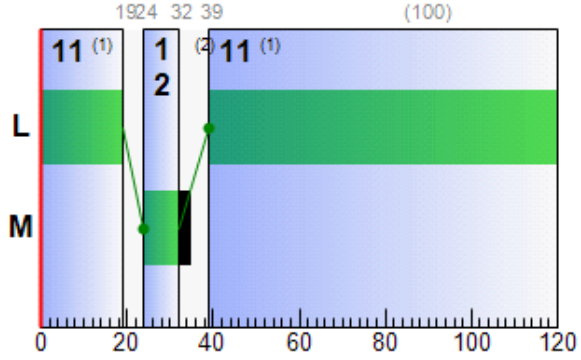
Resultant Phase Green Periods

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

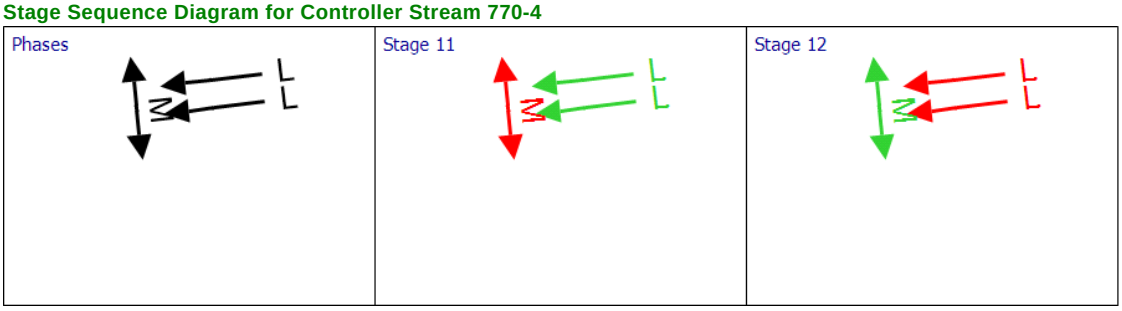
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 770-4



Stage Sequence Diagram for Controller Stream 770-4



Controller Stream 771-1

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

Controller Stream 771-1 - Properties

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

Controller Stream 771-1 - Optimisation

Controller Stream	Allow offset optimisation	Allow green split optimisation	Optimisation level	Auto redistribute	Enable stage constraint
771-1			None		

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Equal length multiple cycling	Stage IDs	Stage ends	Multiple cycling stage IDs	Multiple cycling stage ends
771-1	1	(untitled)	Double	✓	1, 3	20, 41	1, 3	80, 101

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	106	20	34	1	9
	2	✓	3	B	31	41	10	1	7
	3		1	A,C	46	80	34	1	9
	4		3	B	91	101	10	1	7

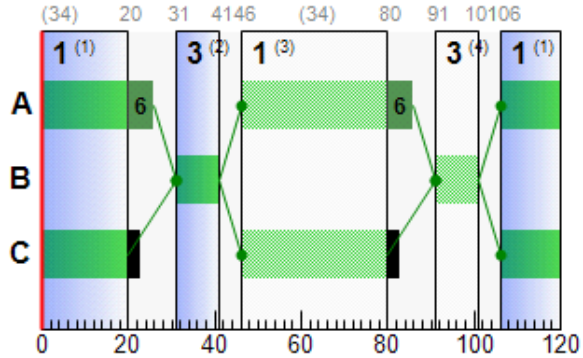
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
771-1	A	1		46	86	40
		2	✓	106	26	40
	B	1	✓	31	41	10
		2		91	101	10
	C	1		46	80	34
		2	✓	106	20	34

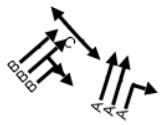
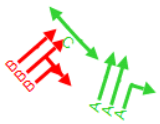
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
F	1	5	771-1	B	31	41	10	91	101	10
F	2	5	771-1	B	31	41	10	91	101	10
F	3	5	771-1	B	31	41	10	91	101	10
Fc	1	5	771-1	A	46	86	40	106	26	40
Fc	2	5	771-1	A	46	86	40	106	26	40
Fc	3	5	771-1	A	46	86	40	106	26	40

Phase Timings Diagram for Controller Stream 771-1



Stage Sequence Diagram for Controller Stream 771-1

Phases	Stage 1	Stage 3	
			x 2

Controller Stream 771-2

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

Controller Stream 771-2 - Properties

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

Controller Stream 771-2 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

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

Intergreen Matrix for Controller Stream 771-2

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

Banned Stage transitions for Controller Stream 771-2

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

Interstage Matrix for Controller Stream 771-2

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

Resultant Stages

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

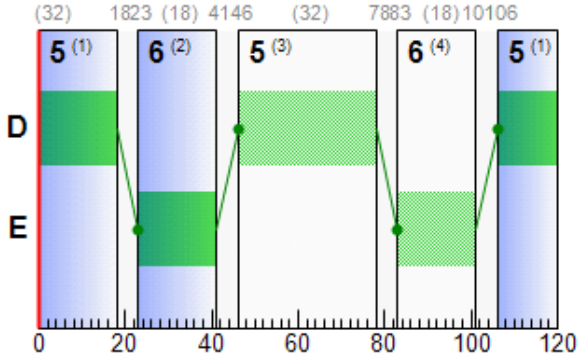
Resultant Phase Green Periods

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

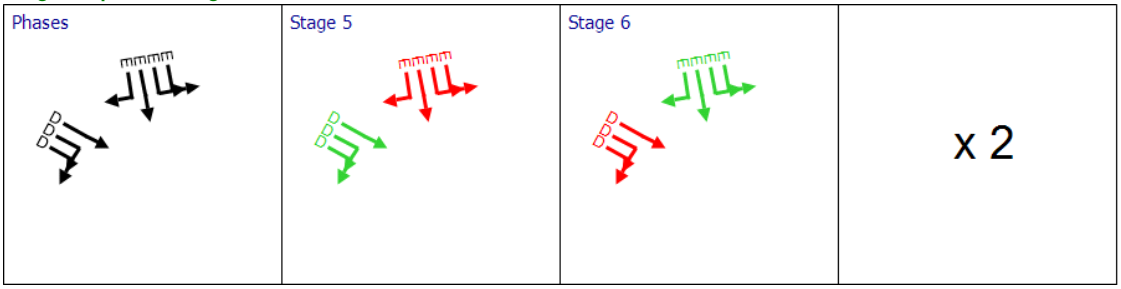
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 771-2



Stage Sequence Diagram for Controller Stream 771-2



Controller Stream TC777-1

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

Controller Stream TC777-1 - Properties

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

Controller Stream TC777-1 - Optimisation

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

Phases

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

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
TC777-1	1	(untitled)	Single	1, 2, 5	89, 105, 118

Intergreen Matrix for Controller Stream TC777-1

		To								
		A	B	C	D	E	F	G	H	I
From	A				5	5			7	5
	B			5	5	5		5		
	C		6		5	5				
	D	5	5	6			5			
	E	5	5	5					8	
	F				5					
	G		10							
	H	6				6				
	I	5								

Banned Stage transitions for Controller Stream TC777-1

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

Interstage Matrix for Controller Stream TC777-1

		To					
		1	2	3	4	5	6
From	1	0	5	7	5	7	5
	2	10	0	10	5	7	5
	3	6	6	0	6	5	6
	4	5	6	8	0	8	5
	5	6	6	5	6	0	6
	6	5	5	8	5	8	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	4	89	85	1	6
	2	✓	2	A,C,F,G	94	105	11	1	7
	3	✓	5	D,H,I	112	118	6	1	6

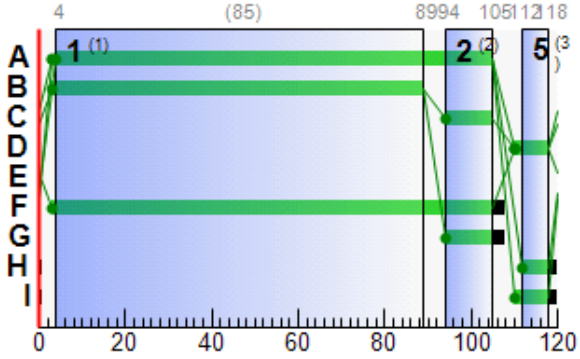
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
TC777-1	A	1	✓	4	105	101
	B	1	✓	3	89	86
	C	1	✓	94	105	11
	D	1	✓	110	118	8
	F	1	✓	3	105	102
	G	1	✓	94	105	11
	H	1	✓	112	118	6
	I	1	✓	110	118	8

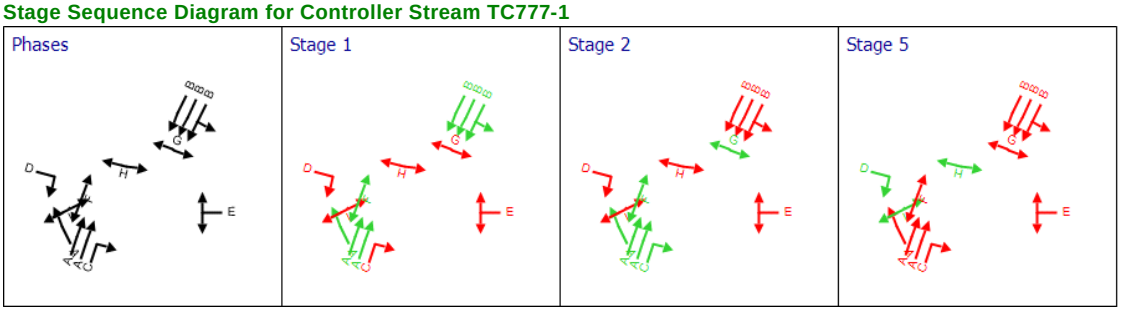
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
TC5	2	TC771-6	TC777-1	A	4	105	101			
TC5	3	TC771-6	TC777-1	A	4	105	101			
TC5	4	TC771-6	TC777-1	C	94	105	11			
TC9	1	TC771-6	TC777-1	B	3	89	86			
TC9	2	TC771-6	TC777-1	B	3	89	86			
TC9	3	TC771-6	TC777-1	B	3	89	86			
TC35	1	TC771-6	TC777-1	A	4	105	101			
TC41	1	TC771-6	TC777-1	D	110	118	8			
TC42	1	TC771-6	TC777-1	E						

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

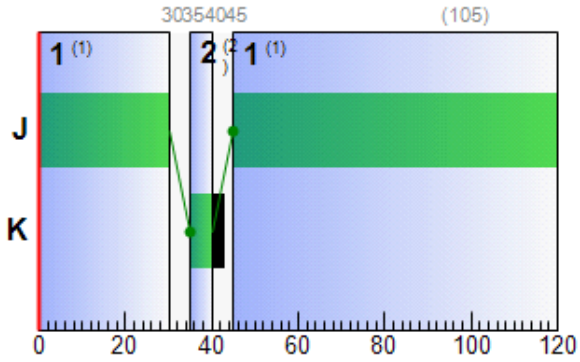
Resultant Phase Green Periods

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

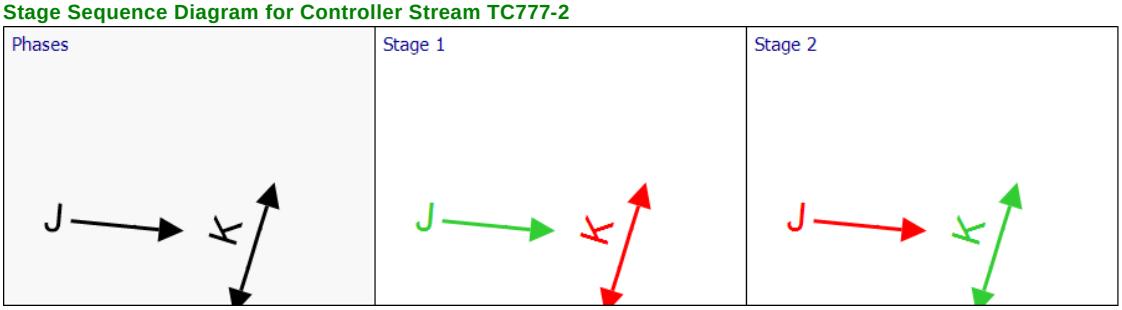
Traffic Stream Green Times

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)
		1	(untitled)	E	326	2050	36	649	50	79	14.42	4.90	37.84	20.01

	A	2	(untitled)	E	181	2050	36	649	28	223	11.67	2.54	18.99	17.43
		3	(untitled)	E	296	2050	36	649	46	97	14.31	4.89	35.79	20.21
		4	(untitled)	E	220	2050	36	649	34	166	12.88	2.92	20.90	18.91
	Ac	1	(untitled)	D	983	2263	64	1245	79	14	12.18	6.38	38.29	19.36
		2	(untitled)	D	170	2263	64	1195	14	532	1.60	2.12	13.21	11.10
		3	(untitled)	D	280	2263	64	1245	22	300	1.66	3.00	19.62	8.26
	Acf	1	(untitled)		1153	2263	120	2263	51	77	0.83	0.26	2.18	6.04
		2	(untitled)		280	2263	120	2263	12	627	0.11	0.01	0.07	7.36
	Af	1	(untitled)		507	2050	120	2050	25	264	0.29	0.04	0.44	6.71
		2	(untitled)		296	2050	120	2050	14	523	0.15	0.01	0.13	6.53
		3	(untitled)		220	2050	120	2050	11	739	0.11	0.01	0.07	6.47
	B	1	(untitled)	B	275	2050	38	683	40	124	17.18	3.34	20.31	24.28
		2	(untitled)	B	381	2150	38	710	54	68	19.21	5.06	29.91	26.50
		3	(untitled)	B	465	2100	38	691	67	34	22.55	6.44	37.12	30.03
		4	(untitled)	B	498	2050	38	683	73	23	24.57	7.64	42.89	36.86
	Bc	1	(untitled)	A	387	2050	58	1025	38	138	3.57	2.05	8.86	15.53
		2	(untitled)	A	464	2050	58	1025	45	99	5.56	2.12	9.27	17.39
		3	(untitled)	A	296	2050	58	1025	29	212	2.83	0.42	1.84	14.54
	Bcf	1	(untitled)		1309	2263	120	2263	58	56	1.09	0.40	3.63	5.23
		2	(untitled)		387	2263	120	2263	17	426	0.16	0.02	0.16	5.41
		3	(untitled)		464	2263	120	2263	21	339	0.21	0.03	0.24	5.84
		4	(untitled)		296	2263	120	2263	13	588	0.12	0.01	0.09	6.03
	Bf	1	(untitled)		656	1800	120	1800	36	147	0.57	0.10	0.26	27.91
		2	(untitled)		963	1800	120	1800	53	68	1.15	0.31	0.77	28.56
	C	1	(untitled)	G	464	2100	30	560	83	9	35.49	8.62	40.94	50.03
		2	(untitled)	G	540	2200	30	587	92	-2	50.58	12.51	58.79	65.26
		3	(untitled)	G	366	2050	30	547	67	34	26.38	5.75	26.60	41.30
	Cf	1	(untitled)		464	1965	120	1965	24	281	0.28	0.04	0.15	17.64
		2	(untitled)		906	1965	120	1965	46	95	0.78	0.20	0.78	18.29
	D	1	(untitled)	B	365	2050	40	718	51	77	18.02	4.42	46.20	22.14
		2	(untitled)	B	620	1850	40	648	96	-6	59.01	14.98	156.62	63.13
		3	(untitled)	B	728	2250	40	738	99	-9	69.36	17.64	191.81	73.32
	Dc	1	(untitled)	A	850	2100	60	1085	78	15	13.93	8.15	92.50	17.73
		2	(untitled)	A	733	2100	60	1085	68	33	11.82	7.47	88.17	15.47
		3	(untitled)	A	532	2100	60	893	60	51	6.95	3.33	40.91	10.46
		4	(untitled)	A	864	2100	60	962	90	0	23.92	9.99	128.12	27.28
	Dcf	1	(untitled)		566	2050	120	2050	28	226	0.33	0.05	0.46	5.28
		2	(untitled)		1072	2100	120	1768	61	48	4.10	8.32	72.54	9.05
		3	(untitled)		733	2100	120	1731	42	113	1.28	2.38	19.96	6.76
		4	(untitled)		532	2100	120	2100	25	255	0.29	0.04	0.37	7.49
		5	(untitled)		864	2100	120	1761	49	83	4.58	9.72	83.57	9.60
	Df	1	(untitled)		985	1900	120	1900	52	74	1.02	0.28	0.80	25.02
		2	(untitled)		728	2250	120	1583	46	96	3.84	5.45	15.68	27.84
	Dxp	1	(untitled)	D	566	2050	101	1743	32	177	0.94	1.13	13.93	4.43
		2	(untitled)	D	222	2050	101	1743	13	606	0.33	0.16	1.92	3.98
	Ec	1	(untitled)	F	580	2150	70	1290	45	100	6.72	3.65	41.89	10.48
		2	(untitled)	F	1085	2263	70	1358	80	13	11.85	8.50	100.86	15.48
		3	(untitled)	F	1127	2263	70	1358	83	8	9.41	6.33	77.79	12.92
		4	(untitled)	F	504	2250	70	1350	37	141	13.61	7.01	87.81	17.06
	Ecf	1	(untitled)		1009	2100	120	2094	48	87	0.83	4.87	61.01	4.27
		2	(untitled)		939	2100	120	2100	45	101	0.69	0.18	2.24	4.17
		3	(untitled)		1085	2263	120	1669	65	38	5.95	6.74	82.63	9.47
		4	(untitled)		1659	2300	120	1938	86	5	6.89	8.27	94.44	10.76
	Ef	1	(untitled)		805	1900	120	1900	42	112	0.70	0.16	0.70	16.00
		2	(untitled)		449	1900	120	1900	24	281	0.29	0.04	0.16	15.60
07:30-08:30	Exp	1	(untitled)	L	1009	2050	100	1725	58	54	2.77	5.10	56.59	6.65
		2	(untitled)	L	359	2050	100	1725	21	333	0.28	2.35	25.12	4.31
		1	(untitled)	B	261	2100	20	385	68	33	32.48	4.40	29.69	38.86

F	2	(untitled)	B	169	2100	20	385	44	105	25.42	2.59	17.35	31.85
	3	(untitled)	B	210	2100	20	385	55	65	27.81	3.30	21.74	34.35
Fc	1	(untitled)	A	1275	2263	80	1546	82	9	6.02	4.75	14.92	25.13
	2	(untitled)	A	1171	2263	80	1384	85	6	10.95	14.07	44.57	29.68
	3	(untitled)	A	1025	2263	80	1529	67	34	6.42	18.48	58.93	25.84
Ff	1	(untitled)		430	1900	120	1900	23	298	0.28	0.03	0.07	33.36
	2	(untitled)		210	1900	120	1900	11	714	0.12	0.01	0.01	33.16
G	1	(untitled)	F	317	2050	28	488	65	38	43.75	7.36	27.10	59.81
	2	(untitled)	F	160	2050	28	500	32	181	41.53	2.74	10.33	52.97
Gf	1	(untitled)		314	2050	120	2049	15	487	0.17	2.34	34.56	3.08
	2	(untitled)		135	2050	120	2047	7	1265	0.11	2.33	34.79	2.99
xA	1	(untitled)		1303	2263	120	2207	59	52	1.37	3.58	8.96	18.60
	2	(untitled)		1375	2263	120	2256	61	48	1.25	2.79	6.98	18.50
xB	1	(untitled)		1309	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	1	(untitled)		523	1900	120	1246	42	114	6.12	9.44	46.95	14.79
	2	(untitled)		323	1900	120	1379	23	284	2.97	4.70	23.32	11.67
xD	1	(untitled)		566	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
	2	(untitled)		222	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
xE	1	(untitled)		1009	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		359	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	1	(untitled)		630	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
Cc1	1	(untitled)	E	369	2050	64	1128	33	175	7.81	2.60	15.62	14.48
E1	1	(untitled)	G	284	2050	28	513	55	62	23.93	4.05	29.11	29.93
	2	(untitled)	G	521	2200	28	550	95	-5	62.32	13.41	96.39	68.32
Gf1	1	(untitled)		28	682	120	682	4	2093	1.71	0.18	2.10	5.40
Cc2	2	(untitled)	D	502	2150	66	1202	42	115	11.10	4.84	30.39	18.18
	3	(untitled)	D	647	2050	66	1162	56	62	13.78	10.97	70.66	21.23
	4	(untitled)	D	750	2150	66	1134	66	36	14.72	12.08	78.07	21.71
	5	(untitled)	D	498	2050	66	1162	43	110	16.84	9.86	63.94	24.82
E2	3	(untitled)	H	314	2150	28	524	60	50	25.02	4.54	49.03	29.01
	4	(untitled)	H	135	2050	28	513	26	242	19.34	2.37	25.04	23.41
TC5	2	(untitled)	A	1098	2263	101	1942	57	59	2.15	3.23	80.76	4.92
	3	(untitled)	A	1375	2263	101	1942	71	27	2.46	2.54	63.52	5.22
	4	(untitled)	C	0	1800	11	180	0	Unrestricted	0.00	0.00	0.00	0.00
TC9	1	(untitled)	B	491	1925	86	1428	34	162	6.04	5.17	32.39	17.04
	2	(untitled)	B	289	1966	86	1458	20	354	5.00	2.67	16.69	16.06
	3	(untitled)	B	215	1947	86	1444	15	504	4.72	1.98	12.31	15.85
TC35	1	(untitled)	A	205	1900	101	1631	13	616	1.27	1.46	34.71	4.17
TC36	1	(untitled)		41	1800	120	1800	2	3851	0.02	0.00	0.01	3.05
TC37	1	(untitled)	J	13	1850	105	1634	1	11213	0.88	0.05	0.66	4.07
TC38	1	(untitled)		13	257	120	257	5	1678	6.71	2.42	65.18	8.24
TC39	2	(untitled)		1098	2263	120	2263	49	85	0.75	0.23	3.73	3.29
	3	(untitled)		1375	2263	120	2263	61	48	1.23	0.47	8.11	3.63
TC40	2	(untitled)		1111	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
	3	(untitled)		1375	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
TC41	1	(untitled)	D	28	1850	8	139	20	346	55.45	2.44	25.69	59.38
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)		846	1300	120	1300	65	38	2.57	0.60	2.59	18.60
48	1	(untitled)		1370	1965	120	1965	70	29	2.10	0.80	8.33	8.71
49	1	(untitled)		491	1900	120	1900	26	248	0.33	0.05	0.99	3.48
	2	(untitled)		504	1900	120	1900	27	239	0.34	0.05	1.05	3.49
50	1	(untitled)		1619	1900	120	1900	85	6	5.33	2.40	28.65	11.11
51	1	(untitled)		640	1900	120	1900	34	167	0.48	0.09	1.31	4.98

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)
769-1	1	✓	1	A	96	5	29	1	7
	2	✓	2	B	12	31	19	1	7
	3		1	A	36	65	29	1	7
	4		2	B	72	91	19	1	7
769-2	1	✓	4	D,E,H,I	97	4	27	1	3
	2	✓	5	F,G,J,K	15	23	8	1	8
	3		4	D,E,H,I	37	64	27	1	3
	4		5	F,G,J,K	75	83	8	1	8
770-1	1	✓	1	A,C	99	7	28	1	5
	2	✓	2	B	14	34	20	1	7
	3		1	A,C	39	67	28	1	5
	4		2	B	74	94	20	1	7
770-2	1	✓	4	D	36	17	101	1	7
	2	✓	5	E	22	29	7	1	5
770-3	1	✓	7	F,I,J	100	10	30	1	2
	2	✓	9	G,H	21	28	7	1	1
	3		7	F,I,J	40	70	30	1	2
	4		9	G,H	81	88	7	1	1
770-4	1	✓	11	L	39	19	100	1	7
	2	✓	12	M	24	32	8	1	6
771-1	1	✓	1	A,C	106	20	34	1	9
	2	✓	3	B	31	41	10	1	7
	3		1	A,C	46	80	34	1	9
	4		3	B	91	101	10	1	7
771-2	1	✓	5	D	106	18	32	1	7
	2	✓	6	E	23	41	18	1	7
	3		5	D	46	78	32	1	7
	4		6	E	83	101	18	1	7
TC777-1	1	✓	1	A,B,F	4	89	85	1	6
	2	✓	2	A,C,F,G	94	105	11	1	7
	3	✓	5	D,H,I	112	118	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
769-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	7	300	0	0	Pedestrian
769-2	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	4	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	5	300	0	0	Pedestrian
	I	I	7	300	0	0	Pedestrian
	J	J	10	300	0	0	Pedestrian
	K	K	5	300	0	0	Pedestrian
770-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	5	300	0	0	Pedestrian
770-2	D	D	7	300	0	0	Traffic
	E	E	5	300	0	0	Pedestrian
770-3	F	F	7	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	4	300	0	0	Traffic
	I	I	5	300	0	0	Pedestrian
	J	J	5	300	0	0	Pedestrian
	K	K	10	300	0	0	Pedestrian
770-4	L	L	7	300	0	0	Traffic
	M	M	6	300	0	0	Pedestrian
771-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	9	300	0	0	Pedestrian
771-2	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
TC777-1	A	A	7	300	0	1	Traffic
	B	B	7	300	0	2	Traffic
	C	C	7	300	0	0	Traffic
	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	5	300	0	0	Pedestrian
	G	G	7	300	0	0	Pedestrian
	H	H	6	300	0	0	Pedestrian
	I	I	5	300	0	0	Pedestrian
TC777-2	J	J	7	300	0	0	Traffic
	K	K	5	300	0	0	Pedestrian

Data Entry - Traffic Stream

Traffic Stream

Arm	Traffic Stream	Auto length	Length (m)	Traffic model	Max queue storage (PCU)	Traffic type	Has Saturation Flow	Is signal controlled	Is give way	Saturation flow source	Saturation flow (PCU/hr)	Delay weighting multiplier (%)	Stop weighting multiplier (%)
A	1	✓	74.52	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	76.88	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	78.61	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100

	4	✓	80.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ac	1	✓	95.80	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	2	✓	92.34	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	87.95	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
Acf	1	✓	69.59	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	70.42	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Af	1	✓	53.54	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	53.19	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	53.01	CTM	0.00	Normal	✓			Directly entered	2050	100	100
B	1	✓	94.67	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	97.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	99.69	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	4	✓	102.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Bc	1	✓	132.85	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	131.47	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	130.10	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Bcf	1	✓	62.67	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	63.14	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.35	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	62.25	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Bf	1	✓	227.81	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
	2	✓	228.44	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
C	1	✓	121.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	122.36	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Cf	1	✓	144.60	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
	2	✓	145.86	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
D	1		55.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2		55.00	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
	3	✓	52.87	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	100
Dc	1	✓	50.67	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	48.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	46.78	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	4	✓	44.83	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100

Dcf	1	✓	65.95	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	65.92	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	68.61	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	66.73	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	66.90	CTM	0.00	Normal	✓			Directly entered	2100	100	100
Df	1		200.00	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
	2		200.00	NetworkDefault	0.00	Normal	✓			Directly entered	2250	100	100
Dxp	1	✓	46.62	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	48.64	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ec	1	✓	50.09	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	46.77	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	4	✓	45.93	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	100
Ecf	1	✓	45.94	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	2	✓	46.37	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	46.93	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	50.37	CTM	0.00	Normal	✓			Directly entered	2300	100	100
Ef	1	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	1	✓	51.83	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.71	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	1	✓	85.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	87.25	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
Fc	1	✓	183.21	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	2	✓	181.45	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	180.28	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
Ff	1	✓	275.73	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
	2	✓	275.39	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
G	1	✓	156.15	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	152.60	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Gf	1	✓	38.89	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	38.45	CTM	0.00	Normal	✓			Directly entered	2050	100	100

xA	1	✓	229.66	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	229.97	CTM	0.00	Normal	✓			Directly entered	2263	100	100
xB	1	✓	77.15	NetworkDefault	0.00	Normal						100	100
xC	1	✓	115.60	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
	2	✓	115.98	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
xD	1	✓	121.71	NetworkDefault	0.00	Normal						100	100
	2	✓	122.74	NetworkDefault	0.00	Normal						100	100
xE	1	✓	173.89	NetworkDefault	0.00	Normal						100	100
	2	✓	173.83	NetworkDefault	0.00	Normal						100	100
xF	1	✓	162.53	NetworkDefault	0.00	Normal						100	100
Cc1	1	✓	95.84	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E1	1		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
Gf1	1	✓	49.26	NetworkDefault	0.00	Normal			✓			100	100
Cc2	2	✓	91.58	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	89.25	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	4	✓	88.96	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	5	✓	88.65	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E2	3	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
TC5	2	✓	23.03	CTM	0.00	Normal	✓	✓		Sum of lanes	2263	100	100
	3	✓	23.02	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	4	✓	24.43	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
TC9	1	✓	91.71	CTM	0.00	Normal	✓	✓		Directly entered	1925	100	100
	2	✓	92.11	CTM	0.00	Normal	✓	✓		Sum of lanes	1966	100	100
	3	✓	92.69	CTM	0.00	Normal	✓	✓		Sum of lanes	1947	100	100
TC35	1	✓	24.16	CTM	0.00	Normal	✓	✓		Directly entered	1900	100	100
TC36	1	✓	25.22	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
TC37	1	✓	44.32	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
TC38	1	✓	21.32	CTM	0.00	Normal	✓		✓	Directly entered	1850	100	100
TC39	2	✓	35.24	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	33.28	CTM	0.00	Normal	✓			Directly entered	2263	100	100
TC40	2	✓	58.74	PDM	0.00	Normal						100	100
	3	✓	55.82	PDM	0.00	Normal						100	100
TC41	1	✓	54.63	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
TC42	1	✓	23.35	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1771	100	100
TC43	1	✓	51.77	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
47	1	✓	133.63	CTM	0.00	Normal	✓			Directly entered	1300	100	100

48	1	✓	55.12	NetworkDefault	0.00	Normal	✓			Sum of lanes	1965	100	100
49	1	✓	26.24	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	26.24	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
50	1	✓	48.15	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
51	1	✓	37.47	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100

Data entry - Link

Results - Pedestrian

Pedestrian Crossings: Pedestrian summary

Time Segment	Pedestrian crossing	Side	Calculated Flow Entering (Ped/hr)	Degree of saturation (%)	Actual green (s (per cycle))	Mean Delay Per Ped (s)	Mean max queue (Ped)
07:30-08:30	1	1	0	0	7	0.00	0.00
		2	0	0	7	0.00	0.00
	2	1	0	0	56	0.00	0.00
		2	0	0	56	0.00	0.00
	3	1	0	0	8	0.00	0.00
		2	0	0	8	0.00	0.00
	4	1	0	0	68	0.00	0.00
		2	0	0	68	0.00	0.00
	5	1	0	0	68	0.00	0.00
		2	0	0	68	0.00	0.00
	6	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	7	1	0	0	68	0.00	0.00
		2	0	0	68	0.00	0.00
	8	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	9	1	0	0	20	0.00	0.00
		2	0	0	20	0.00	0.00
	10	1	0	0	32	0.00	0.00
		2	0	0	32	0.00	0.00
	11	1	0	0	64	0.00	0.00
		2	0	0	64	0.00	0.00
	12	1	0	0	62	0.00	0.00
		2	0	0	62	0.00	0.00
	13	1	0	0	8	0.00	0.00
		2	0	0	8	0.00	0.00
	14	1	0	0	102	0.00	0.00
		2	0	0	102	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	6	0.00	0.00
		2	0	0	6	0.00	0.00
	17	1	0	0	5	0.00	0.00
		2	0	0	5	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	50	79	326	2050	36	14.42	4.90	37.84	18.54	8.01	26.55
		2	28	223	181	2050	36	11.67	2.54	18.99	8.33	4.07	12.40
		3	46	97	296	2050	36	14.31	4.89	35.79	16.71	7.27	23.98
		4	34	166	220	2050	36	12.88	2.92	20.90	11.18	5.34	16.52
	Ac	1	79	14	983	2263	64	12.18	6.38	38.29	47.21	11.41	58.62
		2	14	532	170	2263	64	1.60	2.12	13.21	1.07	1.14	2.22
		3	22	300	280	2263	64	1.66	3.00	19.62	1.84	3.56	5.40
	Acf	1	51	77	1153	2263	120	0.83	0.26	2.18	3.75	0.00	3.75
		2	12	627	280	2263	120	0.11	0.01	0.07	0.12	0.00	0.12
	Af	1	25	264	507	2050	120	0.29	0.04	0.44	0.58	0.00	0.58
		2	14	523	296	2050	120	0.15	0.01	0.13	0.17	0.00	0.17
		3	11	739	220	2050	120	0.11	0.01	0.07	0.09	0.00	0.09
	B	1	40	124	275	2050	38	17.18	3.34	20.31	18.63	6.44	25.07
		2	54	68	381	2150	38	19.21	5.06	29.91	28.88	9.35	38.23
		3	67	34	465	2100	38	22.55	6.44	37.12	41.36	12.35	53.71
		4	73	23	498	2050	38	24.57	7.64	42.89	48.26	5.73	53.98
	Bc	1	38	138	387	2050	58	3.57	2.05	8.86	5.45	0.94	6.38
		2	45	99	464	2050	58	5.56	2.12	9.27	10.17	2.42	12.60
		3	29	212	296	2050	58	2.83	0.42	1.84	3.30	0.56	3.86
	Bcf	1	58	56	1309	2263	120	1.09	0.40	3.63	5.62	0.00	5.62
		2	17	426	387	2263	120	0.16	0.02	0.16	0.25	0.00	0.25
		3	21	339	464	2263	120	0.21	0.03	0.24	0.38	0.00	0.38
		4	13	588	296	2263	120	0.12	0.01	0.09	0.14	0.00	0.14
	Bf	1	36	147	656	1800	120	0.57	0.10	0.26	1.48	0.00	1.48
		2	53	68	963	1800	120	1.15	0.31	0.77	4.36	0.00	4.36
	C	1	83	9	464	2100	30	35.49	8.62	40.94	64.96	6.40	71.36
		2	92	-2	540	2200	30	50.58	12.51	58.79	107.73	9.05	116.78
		3	67	34	366	2050	30	26.38	5.75	26.60	38.08	4.31	42.39
	Cf	1	24	281	464	1965	120	0.28	0.04	0.15	0.52	0.00	0.52
		2	46	95	906	1965	120	0.78	0.20	0.78	2.80	0.00	2.80
	D	1	51	77	365	2050	40	18.02	4.42	46.20	25.94	8.51	34.44
		2	96	-6	620	1850	40	59.01	14.98	156.62	144.31	26.76	171.07
		3	99	-9	728	2250	40	69.36	17.64	191.81	199.16	30.04	229.20
	Dc	1	78	15	850	2100	60	13.93	8.15	92.50	46.69	15.65	62.34
		2	68	33	733	2100	60	11.82	7.47	88.17	34.17	14.31	48.48
		3	60	51	532	2100	60	6.95	3.33	40.91	14.59	9.43	24.02
		4	90	0	864	2100	60	23.92	9.99	128.12	81.52	21.20	102.72
	Dcf	1	28	226	566	2050	120	0.33	0.05	0.46	0.75	0.00	0.75
		2	61	48	1072	2100	120	4.10	8.32	72.54	17.35	11.44	28.79
		3	42	113	733	2100	120	1.28	2.38	19.96	3.71	2.51	6.22
		4	25	255	532	2100	120	0.29	0.04	0.37	0.61	0.00	0.61
		5	49	83	864	2100	120	4.58	9.72	83.57	15.60	10.32	25.93
	Df	1	52	74	985	1900	120	1.02	0.28	0.80	3.96	0.00	3.96
		2	46	96	728	2250	120	3.84	5.45	15.68	11.04	3.50	14.54
	Dxp	1	32	177	566	2050	101	0.94	1.13	13.93	2.09	0.97	3.06
		2	13	606	222	2050	101	0.33	0.16	1.92	0.29	0.14	0.43
	Ec	1	45	100	580	2150	70	6.72	3.65	41.89	15.38	7.02	22.41
		2	80	13	1085	2263	70	11.85	8.50	100.86	50.70	16.29	66.99
		3	83	8	1127	2263	70	9.41	6.33	77.79	41.85	12.08	53.94
		4	37	141	504	2250	70	13.61	7.01	87.81	27.06	13.49	40.55
	Ecf	1	48	87	1009	2100	120	0.83	4.87	61.01	3.29	0.60	3.90
		2	45	101	939	2100	120	0.69	0.18	2.24	2.56	0.00	2.56
		3	65	38	1085	2263	120	5.95	6.74	82.63	25.48	12.71	38.19
		4	86	5	1659	2300	120	6.89	8.27	94.44	45.10	13.61	58.71

07:30-08:30	Ef	1	42	112	805	1900	120	0.70	0.16	0.70	2.21	0.00	2.21
		2	24	281	449	1900	120	0.29	0.04	0.16	0.52	0.00	0.52
	Exp	1	58	54	1009	2050	100	2.77	5.10	56.59	11.01	4.09	15.11
		2	21	333	359	2050	100	0.28	2.35	25.12	0.40	0.09	0.48
	F	1	68	33	261	2100	20	32.48	4.40	29.69	33.44	8.41	41.85
		2	44	105	169	2100	20	25.42	2.59	17.35	16.94	4.88	21.82
		3	55	65	210	2100	20	27.81	3.30	21.74	23.03	6.34	29.37
	Fc	1	82	9	1275	2263	80	6.02	4.75	14.92	30.27	4.68	34.95
		2	85	6	1171	2263	80	10.95	14.07	44.57	50.58	11.06	61.65
		3	67	34	1025	2263	80	6.42	18.48	58.93	25.94	11.30	37.24
	Ff	1	23	298	430	1900	120	0.28	0.03	0.07	0.47	0.00	0.47
		2	11	714	210	1900	120	0.12	0.01	0.01	0.10	0.00	0.10
	G	1	65	38	317	2050	28	43.75	7.36	27.10	54.71	6.27	60.98
		2	32	181	160	2050	28	41.53	2.74	10.33	26.21	5.65	31.85
	Gf	1	15	487	314	2050	120	0.17	2.34	34.56	0.21	0.05	0.26
		2	7	1265	135	2050	120	0.11	2.33	34.79	0.06	0.10	0.16
	xA	1	59	52	1303	2263	120	1.37	3.58	8.96	7.06	2.69	9.74
		2	61	48	1375	2263	120	1.25	2.79	6.98	6.80	0.67	7.47
	xB	1	0	Unrestricted	1309	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	42	114	523	1900	120	6.12	9.44	46.95	12.63	10.31	22.94
		2	23	284	323	1900	120	2.97	4.70	23.32	3.78	4.79	8.57
	xD	1	0	Unrestricted	566	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	222	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	0	Unrestricted	1009	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	359	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	0	Unrestricted	630	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	33	175	369	2050	64	7.81	2.60	15.62	11.37	4.54	15.91
	E1	1	55	62	284	2050	28	23.93	4.05	29.11	26.81	7.79	34.59
		2	95	-5	521	2200	28	62.32	13.41	96.39	128.07	23.98	152.05
	Gf1	1	4	2093	28	682	120	1.71	0.18	2.10	0.19	0.26	0.45
	Cc2	2	42	115	502	2150	66	11.10	4.84	30.39	21.98	9.50	31.47
		3	56	62	647	2050	66	13.78	10.97	70.66	35.17	14.34	49.51
		4	66	36	750	2150	66	14.72	12.08	78.07	43.55	19.68	63.23
		5	43	110	498	2050	66	16.84	9.86	63.94	33.08	11.60	44.69
	E2	3	60	50	314	2150	28	25.02	4.54	49.03	30.99	8.73	39.72
		4	26	242	135	2050	28	19.34	2.37	25.04	10.30	3.34	13.64
	TC5	2	57	59	1098	2263	101	2.15	3.23	80.76	9.32	1.22	10.54
		3	71	27	1375	2263	101	2.46	2.54	63.52	13.33	0.74	14.08
		4	0	Unrestricted	0	1800	11	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	34	162	491	1925	86	6.04	5.17	32.39	11.69	1.94	13.64
		2	20	354	289	1966	86	5.00	2.67	16.69	5.71	1.01	6.71
		3	15	504	215	1947	86	4.72	1.98	12.31	4.01	0.75	4.75
	TC35	1	13	616	205	1900	101	1.27	1.46	34.71	1.03	0.27	1.30
	TC36	1	2	3851	41	1800	120	0.02	0.00	0.01	0.00	0.00	0.00
	TC37	1	1	11213	13	1850	105	0.88	0.05	0.66	0.05	0.05	0.10
	TC38	1	5	1678	13	257	120	6.71	2.42	65.18	0.34	0.26	0.60
	TC39	2	49	85	1098	2263	120	0.75	0.23	3.73	3.24	0.00	3.24
		3	61	48	1375	2263	120	1.23	0.47	8.11	6.66	0.00	6.66
	TC40	2	0	Unrestricted	1111	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		3	0	Unrestricted	1375	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	TC41	1	20	346	28	1850	8	55.45	2.44	25.69	6.12	0.93	7.05
	TC42	1	0	-100	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	TC43	1	0	Unrestricted	0	1800	120	0.00	0.00	0.00	0.00	0.00	0.00
	47	1	65	38	846	1300	120	2.57	0.60	2.59	8.56	0.00	8.56
	48	1	70	29	1370	1965	120	2.10	0.80	8.33	11.34	0.00	11.34
	49	1	26	248	491	1900	120	0.33	0.05	0.99	0.64	0.00	0.64
		2	27	239	504	1900	120	0.34	0.05	1.05	0.68	0.00	0.68
	50	1	85	6	1619	1900	120	5.33	2.40	28.65	34.07	0.00	34.07

	51	1	34	167	640	1900	120	0.48	0.09	1.31	1.21	0.00	1.21

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	326	326	0		2050	649	50		79	0.51	36
		2	181	181	0		2050	649	28		223	0.54	36
		3	296	296	-1	✓	2050	649	46		97	0.51	36
		4	220	220	0		2050	649	34		166	0.51	36
	Ac	1	983	983	0		2263	1245	79		14	1.05	64
		2	170	170	-1	✓	2263	1195	14		532	1.59	64
		3	280	280	-1		2263	1245	22		300	1.21	64
	Acf	1	1153	1153	-1	✓	2263	2263	51		77	0.88	120
		2	280	280	-1		2263	2263	12		627	1.21	120
	Af	1	507	507	0		2050	2050	25		264	0.52	120
		2	296	296	-1	✓	2050	2050	14		523	0.51	120
		3	220	220	0		2050	2050	11		739	0.51	120
	B	1	275	275	0		2050	683	40		124	0.00	38
		2	381	381	0		2150	710	54		68	0.00	38
		3	465	465	0		2100	691	67		34	0.00	38
		4	498	498	0		2050	683	73		23	0.00	38
	Bc	1	387	387	-1	✓	2050	1025	38		138	1.35	58
		2	464	464	-2	✓	2050	1025	45		99	1.00	58
		3	296	296	0		2050	1025	29		212	1.27	58
	Bcf	1	1309	1309	0		2263	2263	58		56	0.71	120
		2	387	387	-1	✓	2263	2263	17		426	1.35	120
		3	464	464	-2	✓	2263	2263	21		339	1.00	120
		4	296	296	0		2263	2263	13		588	1.27	120
	Bf	1	656	656	0		1800	1800	36		147	0.00	120
		2	963	963	0		1800	1800	53		68	0.00	120
	C	1	464	464	0		2100	560	83		9	0.00	30
		2	540	540	0		2200	587	92	✓	-2	0.00	30
		3	366	366	0		2050	547	67		34	0.00	30
	Cf	1	464	464	0		1965	1965	24		281	0.00	120
		2	906	906	0		1965	1965	46		95	0.00	120
	D	1	365	365	0		2050	718	51		77	0.00	40
		2	620	620	0		1850	648	96	✓	-6	0.00	40
		3	728	728	0		2250	738	99	✓	-9	0.41	40
	Dc	1	850	850	0		2100	1085	78		15	0.76	60
		2	733	733	-1		2100	1085	68		33	0.86	60
		3	532	532	0		2100	893	60		51	0.92	60
		4	864	864	0		2100	962	90		0	0.80	60
	Dcf	1	566	566	-1	✓	2050	2050	28		226	1.08	120
		2	1072	1072	-1	✓	2100	1768	61		48	0.70	120
		3	733	733	-1		2100	1731	42		113	0.81	120
		4	532	532	0		2100	2100	25		255	0.92	120
		5	864	864	0		2100	1761	49		83	1.07	120
	Df	1	985	985	0		1900	1900	52		74	0.00	120
		2	728	728	0		2250	1583	46		96	0.00	120
	Dxp	1	566	566	-1	✓	2050	1743	32		177	1.01	101
		2	222	222	-1	✓	2050	1743	13		606	0.92	101
	Ec	1	580	580	0		2150	1290	45		100	0.92	70
		2	1085	1085	0		2263	1358	80		13	0.75	70
		3	1127	1127	0		2263	1358	83		8	0.70	70
		4	504	504	0		2250	1350	37		141	1.03	70
		1	1009	1009	0		2100	2094	48		87	0.75	120

07:30-08:30	Ecf	2	939	939	-1		2100	2100	45		101	0.84	120
		3	1085	1085	0		2263	1669	65		38	0.62	120
		4	1659	1659	0		2300	1938	86		5	0.42	120
	Ef	1	805	805	0		1900	1900	42		112	0.00	120
		2	449	449	0		1900	1900	24		281	0.00	120
	Exp	1	1009	1009	0		2050	1725	58		54	0.75	100
		2	359	359	-1		2050	1725	21		333	1.24	100
	F	1	261	261	0		2100	385	68		33	0.00	20
		2	169	169	-1	✓	2100	385	44		105	0.00	20
		3	210	210	-1		2100	385	55		65	0.00	20
	Fc	1	1275	1275	0		2263	1546	82		9	0.75	80
		2	1171	1171	0		2263	1384	85		6	0.86	80
		3	1025	1025	0		2263	1529	67		34	1.01	80
	Ff	1	430	430	-1	✓	1900	1900	23		298	0.00	120
		2	210	210	-1		1900	1900	11		714	0.00	120
	G	1	317	317	0		2050	488	65		38	1.49	28
		2	160	160	0		2050	500	32		181	1.44	28
	Gf	1	314	314	0		2050	2049	15		487	1.50	120
		2	135	135	0		2050	2047	7		1265	1.50	120
	xA	1	1303	1303	0		2263	2207	59		52	0.59	120
		2	1375	1375	0		2263	2256	61		48	0.73	120
	xB	1	1309	1309	0		Unrestricted	Unrestricted	0		Unrestricted	0.52	120
	xC	1	523	523	-1	✓	1900	1246	42		114	1.22	120
		2	323	323	-1	✓	1900	1379	23		284	1.33	120
	xD	1	566	566	-1	✓	Unrestricted	Unrestricted	0		Unrestricted	0.93	120
		2	222	222	-1	✓	Unrestricted	Unrestricted	0		Unrestricted	0.83	120
	xE	1	1009	1009	0		Unrestricted	Unrestricted	0		Unrestricted	0.66	120
		2	359	359	-1		Unrestricted	Unrestricted	0		Unrestricted	1.05	120
	xF	1	630	630	0		Unrestricted	Unrestricted	0		Unrestricted	0.74	120
	Cc1	1	369	369	-1	✓	2050	1128	33		175	1.25	64
	E1	1	284	284	0		2050	513	55		62	0.00	28
		2	521	521	0		2200	550	95	✓	-5	0.00	28
	Gf1	1	28	28	0		682	682	4		2093	1.07	120
	Cc2	2	502	502	-1	✓	2150	1202	42		115	0.99	66
		3	647	647	0		2050	1162	56		62	1.10	66
		4	750	750	-1	✓	2150	1134	66		36	0.91	66
		5	498	498	0		2050	1162	43		110	1.33	66
	E2	3	314	314	0		2150	524	60		50	0.00	28
		4	135	135	0		2050	513	26		242	0.00	28
	TC5	2	1098	1098	0		2263	1942	57		59	0.61	101
		3	1375	1375	0		2263	1942	71		27	0.73	101
		4	0	0	0		1800	180	0		Unrestricted	0.00	11
	TC9	1	491	491	0		1925	1428	34		162	0.00	86
		2	289	289	-1	✓	1966	1458	20		354	0.00	86
		3	215	215	0		1947	1444	15		504	0.00	86
	TC35	1	205	205	0		1900	1631	13		616	0.85	101
	TC36	1	41	41	0		1800	1800	2		3851	0.00	120
	TC37	1	13	13	0		1850	1634	1		11213	0.00	105
	TC38	1	13	13	0		257	257	5		1678	0.23	120
	TC39	2	1098	1098	0		2263	2263	49		85	0.68	120
		3	1375	1375	0		2263	2263	61		48	0.75	120
	TC40	2	1111	1111	0		Unrestricted	Unrestricted	0		Unrestricted	0.55	120
		3	1375	1375	0		Unrestricted	Unrestricted	0		Unrestricted	0.65	120
	TC41	1	28	28	0		1850	139	20		346	0.00	8
	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	846	846	-1	✓	1300	1300	65		38	0.65	120
	48	1	1370	1370	0		1965	1965	70		29	0.00	120

	49	1	491	491	0		1900	1900	26		248	0.00	120
		2	504	504	-1	✓	1900	1900	27		239	0.00	120
	50	1	1619	1619	0		1900	1900	85		6	0.00	120
	51	1	640	640	-2	✓	1900	1900	34		167	0.00	120

Traffic Stream Results: Stops and delays

Time Segment	Arm	Traffic Stream	Mean Cruise Time per Veh (s)	Mean Delay per Veh (s)	Total delay (PCU-hr/hr)	Weighted cost of delay (£ per hr)	Mean stops per Veh (%)	Total stops (Stops per hr)	Weighted cost of stops (£ per hr)
	A	1	5.59	14.42	1.31	18.54	76.51	249.42	8.01
		2	5.77	11.67	0.59	8.33	70.07	126.83	4.07
		3	5.90	14.31	1.18	16.71	76.48	226.37	7.27
		4	6.03	12.88	0.79	11.18	75.67	166.46	5.34
	Ac	1	7.19	12.18	3.32	47.21	36.16	355.49	11.41
		2	9.50	1.60	0.08	1.07	39.34	66.88	1.14
		3	6.60	1.66	0.13	1.84	39.62	110.93	3.56
	Acf	1	5.22	0.83	0.26	3.75	0.00	0.00	0.00
		2	7.24	0.11	0.01	0.12	0.00	0.00	0.00
	Af	1	6.42	0.29	0.04	0.58	0.00	0.00	0.00
		2	6.38	0.15	0.01	0.17	0.00	0.00	0.00
		3	6.36	0.11	0.01	0.09	0.00	0.00	0.00
	B	1	7.10	17.18	1.31	18.63	72.91	200.50	6.44
		2	7.29	19.21	2.03	28.88	76.49	291.42	9.35
		3	7.48	22.55	2.91	41.36	82.73	384.68	12.35
		4	12.29	24.57	3.40	48.26	91.71	456.72	5.73
	Bc	1	11.96	3.57	0.38	5.45	10.85	42.00	0.94
		2	11.83	5.56	0.72	10.17	23.43	108.73	2.42
		3	11.71	2.83	0.23	3.30	8.41	24.90	0.56
	Bcf	1	4.14	1.09	0.40	5.62	0.00	0.00	0.00
		2	5.25	0.16	0.02	0.25	0.00	0.00	0.00
		3	5.64	0.21	0.03	0.38	0.00	0.00	0.00
		4	5.91	0.12	0.01	0.14	0.00	0.00	0.00
	Bf	1	27.34	0.57	0.10	1.48	0.00	0.00	0.00
		2	27.41	1.15	0.31	4.36	0.00	0.00	0.00
	C	1	14.54	35.49	4.57	64.96	110.07	510.72	6.40
		2	14.68	50.58	7.59	107.73	133.62	721.54	9.05
		3	14.92	26.38	2.68	38.08	93.99	343.99	4.31
	Cf	1	17.35	0.28	0.04	0.52	0.00	0.00	0.00
		2	17.50	0.78	0.20	2.80	0.00	0.00	0.00
	D	1	4.13	18.02	1.83	25.94	72.60	264.98	8.51
		2	4.13	59.01	10.16	144.31	134.48	833.79	26.76
		3	3.97	69.36	14.03	199.16	128.54	935.74	30.04
	Dc	1	3.80	13.93	3.29	46.69	57.35	487.46	15.65
		2	3.65	11.82	2.41	34.17	60.80	445.69	14.31
		3	3.51	6.95	1.03	14.59	55.21	293.70	9.43
		4	3.36	23.92	5.74	81.52	76.45	660.52	21.20
	Dcf	1	4.95	0.33	0.05	0.75	0.00	0.00	0.00
		2	4.94	4.10	1.22	17.35	33.25	356.46	11.44
		3	5.47	1.28	0.26	3.71	11.41	83.61	2.51
		4	7.20	0.29	0.04	0.61	0.00	0.00	0.00
		5	5.02	4.58	1.10	15.60	37.23	321.66	10.32
	Df	1	24.00	1.02	0.28	3.96	0.00	0.00	0.00
		2	24.00	3.84	0.78	11.04	38.33	279.05	3.50
	Dxp	1	3.50	0.94	0.15	2.09	5.34	30.24	0.97
		2	3.65	0.33	0.02	0.29	1.95	4.32	0.14
	Ec	1	3.76	6.72	1.08	15.38	37.72	218.79	7.02
		2	3.63	11.85	3.57	50.70	46.77	507.44	16.29
		3	3.51	9.41	2.95	41.85	33.40	376.44	12.08
		4	3.44	13.61	1.91	27.06	83.38	420.25	13.49

07:30-08:30	Ecf	1	3.45	0.83	0.23	3.29	1.87	18.84	0.60
		2	3.48	0.69	0.18	2.56	0.00	0.00	0.00
		3	3.52	5.95	1.79	25.48	36.48	395.85	12.71
		4	3.87	6.89	3.18	45.10	26.21	434.86	13.61
	Ef	1	15.31	0.70	0.16	2.21	0.00	0.00	0.00
		2	15.31	0.29	0.04	0.52	0.00	0.00	0.00
	Exp	1	3.89	2.77	0.78	11.01	12.63	127.47	4.09
		2	4.03	0.28	0.03	0.40	0.76	2.74	0.09
	F	1	6.38	32.48	2.35	33.44	100.42	262.09	8.41
		2	6.43	25.42	1.19	16.94	89.99	152.08	4.88
		3	6.54	27.81	1.62	23.03	94.03	197.46	6.34
	Fc	1	19.11	6.02	2.13	30.27	22.03	280.88	4.68
		2	18.73	10.95	3.56	50.58	55.70	652.22	11.06
		3	19.43	6.42	1.83	25.94	70.46	722.22	11.30
	Ff	1	33.09	0.28	0.03	0.47	0.00	0.00	0.00
		2	33.05	0.12	0.01	0.10	0.00	0.00	0.00
	G	1	16.06	43.75	3.85	54.71	115.93	367.49	6.27
		2	11.45	41.53	1.85	26.21	109.95	175.92	5.65
	Gf	1	2.92	0.17	0.01	0.21	0.48	1.51	0.05
		2	2.88	0.11	0.00	0.06	2.37	3.20	0.10
	xA	1	17.22	1.37	0.50	7.06	6.42	83.71	2.69
		2	17.25	1.25	0.48	6.80	1.51	20.79	0.67
	xB	1	5.79	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	8.67	6.12	0.89	12.63	61.41	321.16	10.31
		2	8.70	2.97	0.27	3.78	46.17	149.13	4.79
	xD	1	9.13	0.00	0.00	0.00	0.00	0.00	0.00
		2	9.21	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	13.04	0.00	0.00	0.00	0.00	0.00	0.00
		2	13.04	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	12.19	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	6.67	7.81	0.80	11.37	32.07	118.32	4.54
	E1	1	6.00	23.93	1.89	26.81	85.42	242.59	7.79
		2	6.00	62.32	9.02	128.07	143.39	747.08	23.98
	Gf1	1	3.69	1.71	0.01	0.19	28.97	8.11	0.26
	Cc2	2	7.08	11.10	1.55	21.98	58.64	294.35	9.50
		3	7.45	13.78	2.48	35.17	80.73	522.31	14.34
		4	6.99	14.72	3.07	43.55	83.81	628.55	19.68
		5	7.98	16.84	2.33	33.08	104.53	520.55	11.60
	E2	3	4.00	25.02	2.18	30.99	86.63	272.02	8.73
		4	4.07	19.34	0.73	10.30	77.08	104.06	3.34
	TC5	2	2.76	2.15	0.66	9.32	8.83	97.00	1.22
		3	2.76	2.46	0.94	13.33	4.31	59.19	0.74
		4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	11.00	6.04	0.82	11.69	31.54	154.88	1.94
		2	11.05	5.00	0.40	5.71	27.75	80.21	1.01
		3	11.12	4.72	0.28	4.01	27.68	59.51	0.75
	TC35	1	2.90	1.27	0.07	1.03	10.38	21.27	0.27
	TC36	1	3.03	0.02	0.00	0.00	0.00	0.00	0.00
	TC37	1	3.19	0.88	0.00	0.05	11.67	1.52	0.05
	TC38	1	1.53	6.71	0.02	0.34	56.50	7.34	0.26
	TC39	2	2.54	0.75	0.23	3.24	0.00	0.00	0.00
		3	2.40	1.23	0.47	6.66	0.00	0.00	0.00
	TC40	2	4.23	0.00	0.00	0.00	0.00	0.00	0.00
		3	4.02	0.00	0.00	0.00	0.00	0.00	0.00
	TC41	1	3.93	55.45	0.43	6.12	95.20	26.66	0.93
	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	2.57	0.60	8.56	0.00	0.00	0.00

	48	1	6.61	2.10	0.80	11.34	0.00	0.00	0.00
	49	1	3.15	0.33	0.05	0.64	0.00	0.00	0.00
		2	3.15	0.34	0.05	0.68	0.00	0.00	0.00
	50	1	5.78	5.33	2.40	34.07	0.00	0.00	0.00
	51	1	4.50	0.48	0.09	1.21	0.00	0.00	0.00

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	4.90	12.96	37.84	0.00	0.00	
		2	0.00	2.54	13.37	18.99	0.00	0.00	
		3	0.00	4.89	13.67	35.79	0.00	0.00	
		4	0.00	2.92	13.97	20.90	0.00	0.00	
	Ac	1	0.00	6.38	16.66	38.29	0.00	10.00	
		2	0.00	2.12	16.06	13.21	0.00	44.66	
		3	0.00	3.00	15.30	19.62	0.00	18.00	
	Acf	1	0.00	0.26	12.10	2.18	0.00	32.00	
		2	0.00	0.01	12.25	0.07	0.00	68.00	
	Af	1	0.00	0.04	9.31	0.44	0.00	29.00	
		2	0.00	0.01	9.25	0.13	0.00	29.00	
		3	0.00	0.01	9.22	0.07	0.00	29.00	
	B	1	0.00	3.34	16.46	20.31	0.00	0.00	
		2	0.00	5.06	16.90	29.91	0.00	0.37	
		3	0.00	6.44	17.34	37.12	0.00	0.52	
		4	0.00	7.64	17.81	42.89	0.00	0.00	
	Bc	1	0.00	2.05	23.10	8.86	0.00	10.00	
		2	0.00	2.12	22.87	9.27	0.00	8.00	
		3	0.00	0.42	22.63	1.84	0.00	12.00	
	Bcf	1	0.00	0.40	10.90	3.63	0.00	26.00	
		2	0.00	0.02	10.98	0.16	0.00	58.00	
		3	0.00	0.03	10.84	0.24	0.00	34.00	
		4	0.00	0.01	10.83	0.09	0.00	64.00	
	Bf	1	0.00	0.10	39.62	0.26	0.00	0.00	
		2	0.00	0.31	39.73	0.77	0.00	0.00	
	C	1	0.00	8.62	21.07	40.94	0.00	0.00	
		2	0.00	12.51	21.28	58.79	0.00	0.00	
		3	0.00	5.75	21.63	26.60	0.00	0.00	
	Cf	1	0.00	0.04	25.15	0.15	0.00	0.00	
		2	0.00	0.20	25.37	0.78	0.00	0.00	
	D	1	0.00	4.42	9.57	46.20	0.00	0.00	
		2	0.00	14.98	9.57	156.62	0.00	0.00	
		3	0.00	17.64	9.20	191.81	0.00	2.62	
	Dc	1	0.00	8.15	8.81	92.50	0.00	0.01	
		2	0.00	7.47	8.47	88.17	0.00	0.00	
		3	0.00	3.33	8.14	40.91	0.00	26.95	
		4	0.00	9.99	7.80	128.12	0.00	11.04	
	Dcf	1	0.00	0.05	11.47	0.46	0.00	28.00	
		2	0.00	8.32	11.46	72.54	0.00	44.99	
		3	0.00	2.38	11.93	19.96	0.00	43.08	
		4	0.00	0.04	11.60	0.37	0.00	52.00	
		5	0.00	9.72	11.64	83.57	0.00	59.36	
	Df	1	0.00	0.28	34.78	0.80	0.00	0.00	
		2	0.00	5.45	34.78	15.68	0.00	35.56	
	Dxp	1	0.00	1.13	8.11	13.93	0.00	20.00	
		2	0.00	0.16	8.46	1.92	0.00	36.00	
	Ec	1	0.00	3.65	8.71	41.89	0.00	8.00	
		2	0.00	8.50	8.42	100.86	0.00	14.00	
		3	0.00	6.33	8.13	77.79	0.00	2.00	

07:30-08:30		4	0.00	7.01	7.99	87.81	0.00	30.00	
	Ecf	1	0.00	4.87	7.99	61.01	0.00	16.35	
		2	0.00	0.18	8.06	2.24	0.00	16.00	
		3	0.00	6.74	8.16	82.63	0.00	55.52	
		4	0.00	8.27	8.76	94.44	0.00	30.87	
	Ef	1	0.00	0.16	22.18	0.70	0.00	0.00	
		2	0.00	0.04	22.18	0.16	0.00	0.00	
	Exp	1	0.00	5.10	9.01	56.59	0.00	13.00	
		2	0.00	2.35	9.34	25.12	0.00	57.00	
	F	1	0.00	4.40	14.80	29.69	0.00	0.00	
		2	0.00	2.59	14.91	17.35	0.00	0.00	
		3	0.00	3.30	15.17	21.74	0.00	0.00	
	Fc	1	0.00	4.75	31.86	14.92	0.00	6.00	
		2	0.00	14.07	31.56	44.57	0.00	18.62	
		3	0.00	18.48	31.35	58.93	0.00	16.90	
	Ff	1	0.00	0.03	47.95	0.07	0.00	0.00	
		2	0.00	0.01	47.89	0.01	0.00	0.00	
	G	1	0.00	7.36	27.16	27.10	0.00	11.46	
		2	0.00	2.74	26.54	10.33	0.00	18.73	
	Gf	1	0.00	2.34	6.76	34.56	0.00	90.03	
		2	0.00	2.33	6.69	34.79	0.00	90.18	
	xA	1	0.00	3.58	39.94	8.96	0.00	24.98	
		2	0.00	2.79	39.99	6.98	0.00	34.39	
	xB	1	0.00	0.00	13.42	0.00	0.00	2.00	
	xC	1	0.00	9.44	20.10	46.95	0.00	84.28	
		2	0.00	4.70	20.17	23.32	0.00	91.89	
	xD	1	0.00	0.00	21.17	0.00	0.00	18.00	
		2	0.00	0.00	21.35	0.00	0.00	40.00	
	xE	1	0.00	0.00	30.24	0.00	0.00	13.00	
		2	0.00	0.00	30.23	0.00	0.00	54.00	
	xF	1	0.00	0.00	28.27	0.00	0.00	6.00	
	Cc1	1	0.00	2.60	16.67	15.62	0.00	12.00	
	E1	1	0.00	4.05	13.91	29.11	0.00	0.00	
		2	0.00	13.41	13.91	96.39	0.00	0.00	
	Gf1	1	0.00	0.18	8.57	2.10	0.00	90.00	
	Cc2	2	0.00	4.84	15.93	30.39	0.00	8.93	
		3	0.00	10.97	15.52	70.66	0.00	8.00	
		4	0.00	12.08	15.47	78.07	0.00	12.73	
		5	0.00	9.86	15.42	63.94	0.00	38.00	
	E2	3	0.00	4.54	9.27	49.03	0.00	0.75	
		4	0.00	2.37	9.45	25.04	0.00	0.00	
	TC5	2	0.00	3.23	4.01	80.76	0.00	15.00	
		3	0.00	2.54	4.00	63.52	0.00	23.00	
		4	0.00	0.00	4.25	0.00	0.00	12.00	
	TC9	1	0.00	5.17	15.95	32.39	0.00	0.00	
		2	0.00	2.67	16.02	16.69	0.00	0.00	
		3	0.00	1.98	16.12	12.31	0.00	0.00	
	TC35	1	0.00	1.46	4.20	34.71	0.00	26.00	
	TC36	1	0.00	0.00	4.39	0.01	0.00	120.00	
	TC37	1	0.00	0.05	7.71	0.66	0.00	105.00	
	TC38	1	0.00	2.42	3.71	65.18	0.00	46.00	
	TC39	2	0.00	0.23	6.13	3.73	0.00	32.00	
		3	0.00	0.47	5.79	8.11	0.00	40.00	
	TC40	2	0.00	0.00	10.22	0.00	0.00	16.00	
		3	0.00	0.00	9.71	0.00	0.00	17.00	
	TC41	1	0.00	2.44	9.50	25.69	0.00	7.00	
	TC42	1	0.00	0.00	4.06	0.00	0.00	0.00	
	TC43	1	0.00	0.00	9.00	0.00	0.00	120.00	

	47	1	0.00	0.60	23.24	2.59	0.00	14.00	
	48	1	0.00	0.80	9.59	8.33	0.00	0.00	
	49	1	0.00	0.05	4.56	0.99	0.00	0.00	
		2	0.00	0.05	4.56	1.05	0.00	0.00	
	50	1	0.00	2.40	8.37	28.65	0.00	0.00	
	51	1	0.00	0.09	6.52	1.31	0.00	0.00	

Traffic Stream Results: Advanced

Time Segment	Arm	Traffic Stream	Degree of saturation penalty (£ per hr)	Ped gap accepting penalty (£ per hr)	Warmed up	Mean Max Queue EoTS (PCU)	Max End of Green Queue EoTS (PCU)	Max End of Red Queue EoTS (PCU)	PCU Factor	Cost of traffic penalties (£ per hr)	Performance Index (£ per hr)
	A	1	0.00	0.00	✓	4.90	0.25	4.05	1.00	0.00	26.55
		2	0.00	0.00	✓	2.54	0.05	2.14	1.00	0.00	12.40
		3	0.00	0.00	✓	4.89	0.19	3.78	1.00	0.00	23.98
		4	0.00	0.00	✓	2.92	0.09	2.73	1.00	0.00	16.52
	Ac	1	0.00	0.00	✓	6.39	1.47	5.68	1.00	0.00	58.62
		2	0.00	0.00	✓	2.12	0.01	0.58	1.00	0.00	2.22
		3	0.00	0.00	✓	3.00	0.03	1.35	1.00	0.00	5.40
	Acf	1	0.00	0.00	✓	0.26			1.00	0.00	3.75
		2	0.00	0.00	✓	0.01			1.00	0.00	0.12
	Af	1	0.00	0.00	✓	0.04			1.00	0.00	0.58
		2	0.00	0.00	✓	0.01			1.00	0.00	0.17
		3	0.00	0.00	✓	0.01			1.00	0.00	0.09
	B	1	0.00	0.00	✓	3.34	0.14	3.27	1.00	0.00	25.07
		2	0.00	0.00	✓	5.06	0.31	4.65	1.00	0.00	38.23
		3	0.00	0.00	✓	6.44	0.69	6.11	1.00	0.00	53.71
		4	0.00	0.00	✓	7.65	0.97	7.05	1.00	0.00	53.98
	Bc	1	0.00	0.00	✓	2.05	0.11	0.70	1.00	0.00	6.38
		2	0.00	0.00	✓	2.12	0.19	1.81	1.00	0.00	12.60
		3	0.00	0.00	✓	0.42	0.06	0.42	1.00	0.00	3.86
	Bcf	1	0.00	0.00	✓	0.40			1.00	0.00	5.62
		2	0.00	0.00	✓	0.02			1.00	0.00	0.25
		3	0.00	0.00	✓	0.03			1.00	0.00	0.38
		4	0.00	0.00	✓	0.01			1.00	0.00	0.14
	Bf	1	0.00	0.00	✓	0.10			1.00	0.00	1.48
		2	0.00	0.00	✓	0.31			1.00	0.00	4.36
	C	1	0.00	0.00	✓	8.67	1.95	8.13	1.00	0.00	71.36
		2	0.00	0.00	✓	12.91	4.75	12.06	1.00	0.00	116.78
		3	0.00	0.00	✓	5.76	0.67	5.45	1.00	0.00	42.39
	Cf	1	0.00	0.00	✓	0.04			1.00	0.00	0.52
		2	0.00	0.00	✓	0.20			1.00	0.00	2.80
	D	1	0.00	0.00	✓	4.42	0.26	4.32	1.00	0.00	34.44
		2	0.00	0.00	✓	16.22	8.12	15.31	1.00	0.00	171.07
		3	0.00	0.00	✓	21.09	14.13	21.08	1.00	0.00	229.20
	Dc	1	0.00	0.00	✓	8.16	1.41	8.05	1.00	0.00	62.34
		2	0.00	0.00	✓	7.47	0.70	7.39	1.00	0.00	48.48
		3	0.00	0.00	✓	3.33	0.44	2.81	1.00	0.00	24.02
		4	0.00	0.00	✓	10.14	3.79	9.87	1.00	0.00	102.72
	Dcf	1	0.00	0.00	✓	0.05			1.00	0.00	0.75
		2	0.00	0.00	✓	8.32			1.00	0.00	28.79
		3	0.00	0.00	✓	2.38			1.00	0.00	6.22
		4	0.00	0.00	✓	0.04			1.00	0.00	0.61
		5	0.00	0.00	✓	9.72			1.00	0.00	25.93
	Df	1	0.00	0.00	✓	0.28			1.00	0.00	3.96
		2	0.00	0.00	✓	5.45			1.00	0.00	14.54
	Dxp	1	0.00	0.00	✓	1.13	0.08	1.10	1.00	0.00	3.06
		2	0.00	0.00	✓	0.16	0.01	0.16	1.00	0.00	0.43
		1	0.00	0.00	✓	3.65	0.18	3.59	1.00	0.00	22.41

07:30-08:30	Ec	2	0.00	0.00	✓	8.51	1.58	8.48	1.00	0.00	66.99
		3	0.00	0.00	✓	6.35	2.00	6.31	1.00	0.00	53.94
		4	0.00	0.00	✓	7.01	0.11	6.93	1.00	0.00	40.55
	Ecf	1	0.00	0.00	✓	4.87			1.00	0.00	3.90
		2	0.00	0.00	✓	0.18			1.00	0.00	2.56
		3	0.00	0.00	✓	6.75			1.00	0.00	38.19
		4	0.00	0.00	✓	8.30			1.00	0.00	58.71
	Ef	1	0.00	0.00	✓	0.16			1.00	0.00	2.21
		2	0.00	0.00	✓	0.04			1.00	0.00	0.52
	Exp	1	0.00	0.00	✓	5.10	0.41	3.02	1.00	0.00	15.11
		2	0.00	0.00	✓	2.35	0.03	0.03	1.00	0.00	0.48
	F	1	0.00	0.00	✓	4.40	0.71	4.33	1.00	0.00	41.85
		2	0.00	0.00	✓	2.59	0.17	2.50	1.00	0.00	21.82
		3	0.00	0.00	✓	3.30	0.33	3.24	1.00	0.00	29.37
	Fc	1	0.00	0.00	✓	4.77	1.92	4.62	1.00	0.00	34.95
		2	0.00	0.00	✓	14.10	2.51	5.93	1.00	0.00	61.65
		3	0.00	0.00	✓	18.48	0.68	6.08	1.00	0.00	37.24
	Ff	1	0.00	0.00	✓	0.03			1.00	0.00	0.47
		2	0.00	0.00	✓	0.01			1.00	0.00	0.10
	G	1	0.00	0.00	✓	7.36	0.60	5.88	1.00	0.00	60.98
		2	0.00	0.00	✓	2.74	0.08	2.74	1.00	0.00	31.85
	Gf	1	0.00	0.00	✓	2.34			1.00	0.00	0.26
		2	0.00	0.00	✓	2.33			1.00	0.00	0.16
	xA	1	0.00	0.00	✓	3.58			1.00	0.00	9.74
		2	0.00	0.00	✓	2.79			1.00	0.00	7.47
	xB	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	xC	1	0.00	0.00	✓	9.44			1.00	0.00	22.94
		2	0.00	0.00	✓	4.70			1.00	0.00	8.57
	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	✓	2.60	0.08	1.97	1.00	0.00	15.91
	E1	1	0.00	0.00	✓	4.05	0.34	3.97	1.00	0.00	34.59
		2	0.00	0.00	✓	14.33	6.73	13.61	1.00	0.00	152.05
	Gf1	1	0.00	0.00	✓	0.18			1.00	0.00	0.45
	Cc2	2	0.00	0.00	✓	4.84	0.15	4.67	1.00	0.00	31.47
		3	0.00	0.00	✓	10.97	0.35	7.99	1.00	0.00	49.51
		4	0.00	0.00	✓	12.08	0.64	7.69	1.00	0.00	63.23
		5	0.00	0.00	✓	9.86	0.16	8.41	1.00	0.00	44.69
	E2	3	0.00	0.00	✓	4.55	0.45	4.46	1.00	0.00	39.72
		4	0.00	0.00	✓	2.37	0.05	1.73	1.00	0.00	13.64
	TC5	2	0.00	0.00	✓	3.23	0.37	3.13	1.00	0.00	10.54
		3	0.00	0.00	✓	2.55	0.86	1.74	1.00	0.00	14.08
		4	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC9	1	0.00	0.00	✓	5.17	0.09	4.72	1.00	0.00	13.64
		2	0.00	0.00	✓	2.67	0.02	2.59	1.00	0.00	6.71
		3	0.00	0.00	✓	1.98	0.01	1.92	1.00	0.00	4.75
	TC35	1	0.00	0.00	✓	1.46	0.01	0.71	1.00	0.00	1.30
	TC36	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	TC37	1	0.00	0.00	✓	0.05	0.00	0.05	1.00	0.00	0.10
	TC38	1	0.00	0.00	✓	2.42			1.00	0.00	0.60
	TC39	2	0.00	0.00	✓	0.23			1.00	0.00	3.24
		3	0.00	0.00	✓	0.47			1.00	0.00	6.66
	TC40	2	0.00	0.00	✓	0.00			1.00	0.00	0.00
		3	0.00	0.00	✓	0.00			1.00	0.00	0.00
	TC41	1	0.00	0.00	✓	2.44	0.03	0.89	1.00	0.00	7.05

	TC42	1	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC43	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	47	1	0.00	0.00	✓	0.60			1.00	0.00	8.56
	48	1	0.00	0.00	✓	0.80			1.00	0.00	11.34
	49	1	0.00	0.00	✓	0.05			1.00	0.00	0.64
		2	0.00	0.00	✓	0.05			1.00	0.00	0.68
	50	1	0.00	0.00	✓	2.43			1.00	0.00	34.07
	51	1	0.00	0.00	✓	0.09			1.00	0.00	1.21

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	56	0.00	0.00	0.00	0.00
		2	0	0	11000	56	0.00	0.00	0.00	0.00
	3	1	0	0	11000	8	0.00	0.00	0.00	0.00
		2	0	0	11000	8	0.00	0.00	0.00	0.00
	4	1	0	0	11000	68	0.00	0.00	0.00	0.00
		2	0	0	11000	68	0.00	0.00	0.00	0.00
	5	1	0	0	11000	68	0.00	0.00	0.00	0.00
		2	0	0	11000	68	0.00	0.00	0.00	0.00
	6	1	0	0	0	0	0.00	0.00	0.00	0.00
		2	0	0	0	0	0.00	0.00	0.00	0.00
	7	1	0	0	11000	68	0.00	0.00	0.00	0.00
		2	0	0	11000	68	0.00	0.00	0.00	0.00
	8	1	0	0	0	0	0.00	0.00	0.00	0.00
		2	0	0	0	0	0.00	0.00	0.00	0.00
	9	1	0	0	11000	20	0.00	0.00	0.00	0.00
		2	0	0	11000	20	0.00	0.00	0.00	0.00
	10	1	0	0	11000	32	0.00	0.00	0.00	0.00
		2	0	0	11000	32	0.00	0.00	0.00	0.00
	11	1	0	0	11000	64	0.00	0.00	0.00	0.00
		2	0	0	11000	64	0.00	0.00	0.00	0.00
	12	1	0	0	11000	62	0.00	0.00	0.00	0.00
		2	0	0	11000	62	0.00	0.00	0.00	0.00
	13	1	0	0	11000	8	0.00	0.00	0.00	0.00
		2	0	0	11000	8	0.00	0.00	0.00	0.00
	14	1	0	0	11000	102	0.00	0.00	0.00	0.00
		2	0	0	11000	102	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	6	0.00	0.00	0.00	0.00
		2	0	0	11000	6	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

Pedestrian Crossings: Flows and signals

Time Segment	Crossing	Side	Calculated flow entering (Ped/hr)	Calculated flow out (Ped/hr)	Flow discrepancy (Ped/hr)	Adjusted flow warning	Calculated sat flow (Ped/hr)	Calculated capacity (Ped/hr)	Degree of saturation (%)	DOS Threshold exceeded	Practical reserve capacity	Mean modulus of error	Actual green (s (per cycle))
07:30-08:30	1	1	0	0	0		11000	917	0		Unrestricted	0.00	7
		2	0	0	0		11000	917	0		Unrestricted	0.00	7
	2	1	0	0	0		11000	5683	0		Unrestricted	0.00	56
		2	0	0	0		11000	5683	0		Unrestricted	0.00	56
	3	1	0	0	0		11000	1008	0		Unrestricted	0.00	8
		2	0	0	0		11000	1008	0		Unrestricted	0.00	8
	4	1	0	0	0		11000	6783	0		Unrestricted	0.00	68
		2	0	0	0		11000	6783	0		Unrestricted	0.00	68
	5	1	0	0	0		11000	6783	0		Unrestricted	0.00	68
		2	0	0	0		11000	6783	0		Unrestricted	0.00	68
	6	1	0	0	0		0	0	0		-100	0.00	0
		2	0	0	0		0	0	0		-100	0.00	0
	7	1	0	0	0		11000	6783	0		Unrestricted	0.00	68
		2	0	0	0		11000	6783	0		Unrestricted	0.00	68
	8	1	0	0	0		0	0	0		-100	0.00	0
		2	0	0	0		0	0	0		-100	0.00	0
	9	1	0	0	0		11000	2383	0		Unrestricted	0.00	20
		2	0	0	0		11000	2383	0		Unrestricted	0.00	20
	10	1	0	0	0		11000	3483	0		Unrestricted	0.00	32
		2	0	0	0		11000	3483	0		Unrestricted	0.00	32
	11	1	0	0	0		11000	6417	0		Unrestricted	0.00	64
		2	0	0	0		11000	6417	0		Unrestricted	0.00	64
	12	1	0	0	0		11000	6233	0		Unrestricted	0.00	62
		2	0	0	0		11000	6233	0		Unrestricted	0.00	62
	13	1	0	0	0		11000	1008	0		Unrestricted	0.00	8
		2	0	0	0		11000	1008	0		Unrestricted	0.00	8
	14	1	0	0	0		11000	9625	0		Unrestricted	0.00	102
		2	0	0	0		11000	9625	0		Unrestricted	0.00	102
	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	825	0		Unrestricted	0.00	6
		2	0	0	0		11000	825	0		Unrestricted	0.00	6
	17	1	0	0	0		11000	733	0		Unrestricted	0.00	5
		2	0	0	0		11000	733	0		Unrestricted	0.00	5

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	24/06/2021 13:52:11	24/06/2021 13:52:15	07:30	120	2592.27	145.85	98.61	D/3	4	3	TC42/1	Ecf/4	TC4

Network Results: Vehicle summary

Time Segment	Degree of saturation (%)	Practical reserve capacity (%)	Calculated flow entering (PCU/hr)	Actual green (s (per cycle))	Mean Delay per Veh (s)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Performance Index (£ per hr)
07:30-08:30	99	-100	67604	9755	7.77	2071.07	521.20	2592.27

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	1170	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	67604	67604	-33	✓	99	✓	-100	10925

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	8.69	7.77	145.85	2071.07	28.46	19242.90	521.20

Network Results: Queues and blocking

Time Segment	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))
07:30-08:30	191.81	0.00	2458.77

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	2592.27

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	118.4	109.3	134.7	137.1	175.5	206.0	0.0
	B28	202.6	0.0	98.5	140.8	134.0	182.0	189.7	0.0
	C28	194.1	199.6	0.0	83.9	77.3	164.4	178.6	0.0
	D28	106.3	154.3	155.6	0.0	185.4	104.1	113.4	0.0
	E28	141.1	139.1	190.2	58.1	0.0	98.9	108.0	0.0
	F28	110.4	152.9	147.4	164.6	168.9	0.0	19.6	0.0
	G28	58.6	99.3	94.6	109.3	118.3	153.9	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Calculated Total Flow (PCU/hr)	Avg journey time (s)
23	C28	A28	470	194.34	470	194.34

24	C28	C28	0	0.00	0	0.00
25	C28	C28	0	0.00	0	0.00
32	C28	E28	159	77.26	159	77.26
36	C28	E28	0	0.00	0	0.00
41	E28	A28	451	142.33	451	142.33
42	E28	C28	35	186.61	35	186.61
43	E28	C28	0	0.00	0	0.00
44	E28	E28	0	0.00	0	0.00
45	E28	E28	0	0.00	0	0.00
49	C28	D28	206	83.92	206	83.92
50	E28	D28	50	58.12	50	58.12
68	E28	G28	161	107.38	161	107.38
86	F28	D28	3	160.63	3	160.63
91	C28	F28	21	164.43	21	164.43
92	E28	F28	29	98.86	29	98.86
96	A28	C28	0	0.00	0	0.00
97	G28	D28	0	0.00	0	0.00
98	G28	E28	0	0.00	0	0.00
99	C28	B28	25	198.34	25	198.34
100	E28	B28	135	128.28	135	128.28
101	E28	E28	0	0.00	0	0.00
102	A28	C28	229	107.38	229	107.38
103	F28	B28	0	0.00	0	0.00
104	C28	G28	362	172.86	362	172.86
105	D28	H28	0	0.00	0	0.00
106	G28	C28	83	91.73	83	91.73
107	A28	B28	23	117.60	23	117.60
108	B28	G28	332	189.38	332	189.38
109	C28	G28	230	190.72	230	190.72
110	E28	G28	22	112.16	22	112.16
111	B28	G28	0	0.00	0	0.00
112	F28	G28	13	19.60	13	19.60
113	F28	A28	8	110.41	8	110.41
114	C28	H28	0	0.00	0	0.00
115	B28	C28	9	99.36	9	99.36
116	F28	C28	1	144.16	1	144.16
117	H28	H28	0	0.00	0	0.00
118	F28	C28	0	0.00	0	0.00
119	F28	E28	1	171.62	1	171.62
120	F28	E28	1	160.89	1	160.89
121	A28	A28	0	0.00	0	0.00
122	C28	C28	0	0.00	0	0.00
123	C28	C28	0	0.00	0	0.00
124	E28	C28	0	0.00	0	0.00
125	H28	A28	0	0.00	0	0.00
126	D28	C28	0	0.00	0	0.00
127	D28	C28	0	0.00	0	0.00
128	H28	C28	0	0.00	0	0.00
129	F28	C28	1	143.02	1	143.02
130	G28	C28	83	101.02	83	101.02
131	G28	E28	123	120.83	123	120.83
132	H28	C28	0	0.00	0	0.00
133	H28	E28	0	0.00	0	0.00
134	H28	D28	0	0.00	0	0.00
135	H28	E28	0	0.00	0	0.00
136	E28	E28	0	0.00	0	0.00
137	H28	G28	0	0.00	0	0.00
138	H28	G28	0	0.00	0	0.00

139	D28	E28	4	187.09	4	187.09
140	D28	D28	0	0.00	0	0.00
141	D28	E28	4	183.76	4	183.76
142	C28	H28	0	0.00	0	0.00
143	E28	H28	0	0.00	0	0.00
144	H28	D28	0	0.00	0	0.00
145	H28	H28	0	0.00	0	0.00
146	F28	H28	0	0.00	0	0.00
147	F28	E28	1	174.41	1	174.41
148	F28	D28	3	168.55	3	168.55
149	C28	B28	3	209.85	3	209.85
150	E28	B28	314	143.68	314	143.68
151	B28	A28	0	0.00	0	0.00
152	H28	B28	0	0.00	0	0.00
153	F28	B28	7	152.86	7	152.86
154	E28	A28	18	110.40	18	110.40
155	E28	C28	4	157.05	4	157.05
156	C28	G28	60	180.13	60	180.13
157	H28	B28	0	0.00	0	0.00
158	B28	D28	252	140.81	252	140.81
159	B28	E28	145	141.07	145	141.07
160	B28	G28	120	190.44	120	190.44
161	B28	F28	23	182.02	23	182.02
162	B28	H28	0	0.00	0	0.00
163	B28	A28	34	202.62	34	202.62
164	B28	B28	0	0.00	0	0.00
165	B28	B28	0	0.00	0	0.00
166	B28	C28	64	98.41	64	98.41
167	B28	E28	391	131.42	391	131.42
168	G28	A28	318	58.58	318	58.58
169	G28	B28	57	99.69	57	99.69
170	G28	B28	57	98.95	57	98.95
171	G28	H28	0	0.00	0	0.00
175	G28	C28	0	0.00	0	0.00
176	G28	E28	41	118.46	41	118.46
177	G28	D28	114	109.29	114	109.29
178	G28	E28	34	109.14	34	109.14
181	G28	G28	0	0.00	0	0.00
185	A28	B28	23	119.25	23	119.25
186	A28	C28	49	118.44	49	118.44
187	A28	E28	262	139.15	262	139.15
195	D28	G28	166	113.27	166	113.27
196	D28	F28	42	104.11	42	104.11
197	D28	G28	53	113.80	53	113.80
198	D28	A28	3	106.33	3	106.33
199	D28	B28	83	154.85	83	154.85
200	D28	B28	83	153.58	83	153.58
201	D28	C28	90	153.91	90	153.91
204	D28	C28	45	158.94	45	158.94
205	D28	E28	27	186.14	27	186.14
206	D28	D28	0	0.00	0	0.00
207	D28	E28	4	179.97	4	179.97
210	A28	G28	498	219.21	498	219.21
211	A28	H28	0	0.00	0	0.00
212	A28	D28	0	0.00	0	0.00
213	A28	E28	102	133.21	102	133.21
214	G28	G28	0	0.00	0	0.00
215	G28	F28	26	153.93	26	153.93

218	A28	G28	289	183.92	289	183.92
219	A28	F28	64	175.50	64	175.50
220	H28	F28	0	0.00	0	0.00
221	F28	F28	0	0.00	0	0.00
222	A28	D28	2	134.73	2	134.73
223	A28	E28	68	135.00	68	135.00
224	D28	D28	0	0.00	0	0.00
225	D28	E28	0	0.00	0	0.00
226	H28	D28	0	0.00	0	0.00
227	H28	E28	0	0.00	0	0.00
228	F28	D28	0	0.00	0	0.00
229	F28	E28	0	0.00	0	0.00
230	G28	G28	0	0.00	0	0.00
231	A28	G28	10	185.17	10	185.17
232	A28	H28	0	0.00	0	0.00
233	B28	H28	0	0.00	0	0.00
234	C28	G28	170	174.11	170	174.11
235	E28	G28	0	0.00	0	0.00
236	E28	H28	0	0.00	0	0.00
237	F28	H28	0	0.00	0	0.00
238	D28	B28	36	154.87	36	154.87
239	D28	B28	0	0.00	0	0.00
240	G28	C28	59	89.67	59	89.67
241	E28	C28	0	0.00	0	0.00
242	H28	C28	0	0.00	0	0.00
243	G28	D28	0	0.00	0	0.00
244	G28	E28	0	0.00	0	0.00
245	C28	C28	0	0.00	0	0.00
246	E28	C28	35	197.57	35	197.57
247	E28	E28	0	0.00	0	0.00
248	D28	C28	0	0.00	0	0.00
249	H28	C28	0	0.00	0	0.00
250	H28	E28	0	0.00	0	0.00
251	H28	E28	0	0.00	0	0.00
252	F28	C28	1	155.08	1	155.08
253	F28	E28	1	168.80	1	168.80
254	A28	A28	0	0.00	0	0.00
255	C28	A28	0	0.00	0	0.00
257	C28	H28	0	0.00	0	0.00
258	C28	A28	7	179.51	7	179.51
259	C28	C28	0	0.00	0	0.00
260	C28	A28	0	0.00	0	0.00
261	C28	C28	0	0.00	0	0.00
262	C28	C28	0	0.00	0	0.00
263	C28	C28	0	0.00	0	0.00
264	C28	C28	0	0.00	0	0.00
265	C28	C28	0	0.00	0	0.00
266	C28	B28	0	0.00	0	0.00
267	C28	B28	0	0.00	0	0.00

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	326	2050	36	0.00	50	79	20.01	14.42	76.51	4.90
	2	(untitled)	6	771-2	E	181	2050	36	0.00	28	223	17.43	11.67	70.07	2.54
	3	(untitled)	6	771-2	E	296	2050	36	0.00	46	97	20.21	14.31	76.48	4.89
	4	(untitled)	6	771-2	E	220	2050	36	0.00	34	166	18.91	12.88	75.67	2.92
Ac	1	(untitled)	6	771-2	D	983	2263	64	10.00	79	14	19.36	12.18	36.16	6.38
	2	(untitled)	6	771-2	D	170	2263	64	44.66	14	532	11.10	1.60	39.34	2.12
	3	(untitled)	6	771-2	D	280	2263	64	18.00	22	300	8.26	1.66	39.62	3.00
Acf	1	(untitled)	6			1153	2263	120	32.00	51	77	6.04	0.83	0.00	0.26
	2	(untitled)	6			280	2263	120	68.00	12	627	7.36	0.11	0.00	0.01
Af	1	(untitled)	6			507	2050	120	29.00	25	264	6.71	0.29	0.00	0.04
	2	(untitled)	6			296	2050	120	29.00	14	523	6.53	0.15	0.00	0.01
	3	(untitled)	6			220	2050	120	29.00	11	739	6.47	0.11	0.00	0.01
B	1	(untitled)	1	769-1	B	275	2050	38	0.00	40	124	24.28	17.18	72.91	3.34
	2	(untitled)	1	769-1	B	381	2150	38	0.37	54	68	26.50	19.21	76.49	5.06
	3	(untitled)	1	769-1	B	465	2100	38	0.52	67	34	30.03	22.55	82.73	6.44
	4	(untitled)	1	769-1	B	498	2050	38	0.00	73	23	36.86	24.57	91.71	7.64
Bc	1	(untitled)	1	769-1	A	387	2050	58	10.00	38	138	15.53	3.57	10.85	2.05
	2	(untitled)	1	769-1	A	464	2050	58	8.00	45	99	17.39	5.56	23.43	2.12
	3	(untitled)	1	769-1	A	296	2050	58	12.00	29	212	14.54	2.83	8.41	0.42
Bcf	1	(untitled)	1			1309	2263	120	26.00	58	56	5.23	1.09	0.00	0.40
	2	(untitled)	1			387	2263	120	58.00	17	426	5.41	0.16	0.00	0.02
	3	(untitled)	1			464	2263	120	34.00	21	339	5.84	0.21	0.00	0.03
	4	(untitled)	1			296	2263	120	64.00	13	588	6.03	0.12	0.00	0.01
Bf	1	(untitled)	1			656	1800	120	0.00	36	147	27.91	0.57	0.00	0.10
	2	(untitled)	1			963	1800	120	0.00	53	68	28.56	1.15	0.00	0.31
C	1	(untitled)	2	769-2	G	464	2100	30	0.00	83	9	50.03	35.49	110.07	8.62
	2	(untitled)	2	769-2	G	540	2200	30	0.00	92	-2	65.26	50.58	133.62	12.51
	3	(untitled)	2	769-2	G	366	2050	30	0.00	67	34	41.30	26.38	93.99	5.75
Cf	1	(untitled)	2			464	1965	120	0.00	24	281	17.64	0.28	0.00	0.04
	2	(untitled)	2			906	1965	120	0.00	46	95	18.29	0.78	0.00	0.20
D	1	(untitled)	3	770-1	B	365	2050	40	0.00	51	77	22.14	18.02	72.60	4.42
	2	(untitled)	3	770-1	B	620 <	1850	40	0.00	96	-6	63.13	59.01	134.48	14.98 +
	3	(untitled)	3	770-1	B	728 <	2250	40	2.62	99	-9	73.32	69.36	128.54	17.64 +
Dc	1	(untitled)	3	770-1	A	850	2100	60	0.01	78	15	17.73	13.93	57.35	8.15
	2	(untitled)	3	770-1	A	733	2100	60	0.00	68	33	15.47	11.82	60.80	7.47
	3	(untitled)	3	770-1	A	532	2100	60	26.95	60	51	10.46	6.95	55.21	3.33
	4	(untitled)	3	770-1	A	864 <	2100	60	11.04	90	0	27.28	23.92	76.45	9.99 +
Dcf	1	(untitled)	3			566	2050	120	28.00	28	226	5.28	0.33	0.00	0.05
	2	(untitled)	3			1072	2100	120	44.99	61	48	9.05	4.10	33.25	8.32
	3	(untitled)	3			733	2100	120	43.08	42	113	6.76	1.28	11.41	2.38
	4	(untitled)	3			532	2100	120	52.00	25	255	7.49	0.29	0.00	0.04
	5	(untitled)	3			864	2100	120	59.36	49	83	9.60	4.58	37.23	9.72
Df	1	(untitled)	3-2			985	1900	120	0.00	52	74	25.02	1.02	0.00	0.28
	2	(untitled)	3-2			728	2250	120	35.56	46	96	27.84	3.84	38.33	5.45
Dxp	1	(untitled)	3-2	770-2	D	566	2050	101	20.00	32	177	4.43	0.94	5.34	1.13
	2	(untitled)	3-2	770-2	D	222	2050	101	36.00	13	606	3.98	0.33	1.95	0.16
Ec	1	(untitled)	4	770-3	F	580	2150	70	8.00	45	100	10.48	6.72	37.72	3.65
	2	(untitled)	4	770-3	F	1085 <	2263	70	14.00	80	13	15.48	11.85	46.77	8.50 +
	3	(untitled)	4	770-3	F	1127	2263	70	2.00	83	8	12.92	9.41	33.40	6.33
	4	(untitled)	4	770-3	F	504	2250	70	30.00	37	141	17.06	13.61	83.38	7.01
Ecf	1	(untitled)	4			1009	2100	120	16.35	48	87	4.27	0.83	1.87	4.87
	2	(untitled)	4			939	2100	120	16.00	45	101	4.17	0.69	0.00	0.18
	3	(untitled)	4			1085	2263	120	55.52	65	38	9.47	5.95	36.48	6.74
	4	(untitled)	4			1659	2300	120	30.87	86	5	10.76	6.89	26.21	8.27

Ef	**1**	(untitled)	4			805	1900	120	0.00	42	112	16.00	0.70	0.00	0.16
	2	(untitled)	4			449	1900	120	0.00	24	281	15.60	0.29	0.00	0.04
Exp	**1**	(untitled)	4-2	770-4	L	1009	2050	100	13.00	58	54	6.65	2.77	12.63	5.10
	2	(untitled)	4-2	770-4	L	359	2050	100	57.00	21	333	4.31	0.28	0.76	2.35
F	**1**	(untitled)	5	771-1	B	261	2100	20	0.00	68	33	38.86	32.48	100.42	4.40
	2	(untitled)	5	771-1	B	169	2100	20	0.00	44	105	31.85	25.42	89.99	2.59
	3	(untitled)	5	771-1	B	210	2100	20	0.00	55	65	34.35	27.81	94.03	3.30
Fc	**1**	(untitled)	5	771-1	A	1275	2263	80	6.00	82	9	25.13	6.02	22.03	4.75
	2	(untitled)	5	771-1	A	1171	2263	80	18.62	85	6	29.68	10.95	55.70	14.07
	3	(untitled)	5	771-1	A	1025	2263	80	16.90	67	34	25.84	6.42	70.46	18.48
Ff	**1**	(untitled)	5			430	1900	120	0.00	23	298	33.36	0.28	0.00	0.03
	2	(untitled)	5			210	1900	120	0.00	11	714	33.16	0.12	0.00	0.01
G	**1**	(untitled)	2	769-2	F	317	2050	28	11.46	65	38	59.81	43.75	115.93	7.36
	2	(untitled)	2	769-2	F	160	2050	28	18.73	32	181	52.97	41.53	109.95	2.74
Gf	**1**	(untitled)	4			314	2050	120	90.03	15	487	3.08	0.17	0.48	2.34
	2	(untitled)	4			135	2050	120	90.18	7	1265	2.99	0.11	2.37	2.33
xA	**1**	(untitled)	10			1303	2263	120	24.98	59	52	18.60	1.37	6.42	3.58
	2	(untitled)	10			1375	2263	120	34.39	61	48	18.50	1.25	1.51	2.79
xB	**1**	(untitled)				1309	Unrestricted	120	2.00	0	Unrestricted	5.79	0.00	0.00	0.00
xC	**1**	(untitled)				523	1900	120	84.28	42	114	14.79	6.12	61.41	9.44
	2	(untitled)				323	1900	120	91.89	23	284	11.67	2.97	46.17	4.70
xD	**1**	(untitled)				566	Unrestricted	120	18.00	0	Unrestricted	9.13	0.00	0.00	0.00
	2	(untitled)				222	Unrestricted	120	40.00	0	Unrestricted	9.21	0.00	0.00	0.00
xE	**1**	(untitled)				1009	Unrestricted	120	13.00	0	Unrestricted	13.04	0.00	0.00	0.00
	2	(untitled)				359	Unrestricted	120	54.00	0	Unrestricted	13.04	0.00	0.00	0.00
xF	**1**	(untitled)				630	Unrestricted	120	6.00	0	Unrestricted	12.19	0.00	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	369	2050	64	12.00	33	175	14.48	7.81	32.07	2.60
E1	**1**	(untitled)	4	770-3	G	284	2050	28	0.00	55	62	29.93	23.93	85.42	4.05
	2	(untitled)	4	770-3	G	521	2200	28	0.00	95	-5	68.32	62.32	143.39	13.41
Gf1	**1**	(untitled)	4			28	682	120	90.00	4	2093	5.40	1.71	28.97	0.18
Cc2	**2**	(untitled)	2	769-2	D	502	2150	66	8.93	42	115	18.18	11.10	58.64	4.84
	3	(untitled)	2	769-2	D	647	2050	66	8.00	56	62	21.23	13.78	80.73	10.97
	4	(untitled)	2	769-2	D	750	2150	66	12.73	66	36	21.71	14.72	83.81	12.08
	5	(untitled)	2	769-2	D	498	2050	66	38.00	43	110	24.82	16.84	104.53	9.86
E2	**3**	(untitled)	4	770-3	H	314	2150	28	0.75	60	50	29.01	25.02	86.63	4.54
	4	(untitled)	4	770-3	H	135	2050	28	0.00	26	242	23.41	19.34	77.08	2.37
TC5	**2**	(untitled)	TC771-6	TC777-1	A	1098	2263	101	15.00	57	59	4.92	2.15	8.83	3.23
	3	(untitled)	TC771-6	TC777-1	A	1375	2263	101	23.00	71	27	5.22	2.46	4.31	2.54
	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	491	1925	86	0.00	34	162	17.04	6.04	31.54	5.17
	2	(untitled)	TC771-6	TC777-1	B	289	1966	86	0.00	20	354	16.06	5.00	27.75	2.67
	3	(untitled)	TC771-6	TC777-1	B	215	1947	86	0.00	15	504	15.85	4.72	27.68	1.98
TC35	**1**	(untitled)	TC771-6	TC777-1	A	205	1900	101	26.00	13	616	4.17	1.27	10.38	1.46
TC36	**1**	(untitled)	TC771-6			41	1800	120	120.00	2	3851	3.05	0.02	0.00	0.00
TC37	**1**	(untitled)	TC771-6	TC777-2	J	13	1850	105	105.00	1	11213	4.07	0.88	11.67	0.05
TC38	**1**	(untitled)	TC771-6			13	257	120	46.00	5	1678	8.24	6.71	56.50	2.42
TC39	**2**	(untitled)	TC771-6			1098	2263	120	32.00	49	85	3.29	0.75	0.00	0.23
	3	(untitled)	TC771-6			1375	2263	120	40.00	61	48	3.63	1.23	0.00	0.47

TC40	2	(untitled)	TC771-6			1111	Unrestricted	120	16.00	0	Unrestricted	4.23	0.00	0.00	0.00
	3	(untitled)	TC771-6			1375	Unrestricted	120	17.00	0	Unrestricted	4.02	0.00	0.00	0.00
TC41	1	(untitled)	TC771-6	TC777-1	D	28	1850	8	7.00	20	346	59.38	55.45	95.20	2.44
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			846	1300	120	14.00	65	38	18.60	2.57	0.00	0.60
48	1	(untitled)	2			1370	1965	120	0.00	70	29	8.71	2.10	0.00	0.80
49	1	(untitled)	TC771-6			491	1900	120	0.00	26	248	3.48	0.33	0.00	0.05
	2	(untitled)	TC771-6			504	1900	120	0.00	27	239	3.49	0.34	0.00	0.05
50	1	(untitled)	1			1619	1900	120	0.00	85	6	11.11	5.33	0.00	2.40
51	1	(untitled)	4-2			640	1900	120	0.00	34	167	4.98	0.48	0.00	0.09

Pedestrian Crossing Results

				SIGNALS		FLOWS		PERFORMANCE			PER PED		QUEUES	WEIGHTS	P
Pedestrian	Side	Name	Traffic node	Controller stream	Phase	Calculated Flow Entering (Ped/hr)	Calculated sat flow (Ped/hr)	Actual green (s (per cycle))	Degree of saturation (%)	Practical reserve capacity	JourneyTime (s)	Mean Delay per Ped (s)	Mean max queue (Ped)	Delay weighting (%)	(
1	1	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	
2	1	(untitled)	3	770-1	C	0	11000	56	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	3	770-1	C	0	11000	56	0	Unrestricted	0.00	0.00	0.00	100	
3	1	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
4	1	(untitled)	4	770-3	J	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	J	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
5	1	(untitled)	4	770-3	I	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	I	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
6	1	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	
7	1	(untitled)	5	771-1	C	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	5	771-1	C	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
8	1	(untitled)	1	769-1	C	0	0	0	0	-100	0.00	0.00	0.00	100	
	2	(untitled)	1	769-1	C	0	0	0	0	-100	0.00	0.00	0.00	100	
9	1	(untitled)	2	769-2	J	0	11000	20	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	J	0	11000	20	0	Unrestricted	0.00	0.00	0.00	100	
10	1	(untitled)	2	769-2	K	0	11000	32	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	K	0	11000	32	0	Unrestricted	0.00	0.00	0.00	100	
11	1	(untitled)		769-2	H	0	11000	64	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		769-2	H	0	11000	64	0	Unrestricted	0.00	0.00	0.00	100	
12	1	(untitled)	2	769-2	I	0	11000	62	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	I	0	11000	62	0	Unrestricted	0.00	0.00	0.00	100	
13	1	(untitled)		TC777-1	I	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	I	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
14	1	(untitled)		TC777-1	F	0	11000	102	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	F	0	11000	102	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	6	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	H	0	11000	6	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	

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	6293.73	309.09	20.36	145.85	2071.07	521.20	0.00	2592.27
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	6293.73	309.09	20.36	145.85	2071.07	521.20	0.00	2592.27

- *< = 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***