TRANSYT 15

Filename: M62 JN 28 CRF Scheme_Mar 20- Scenario 2 - PM.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: 02/07/2021 14:56:19

File summary

File description

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

Model and Results

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

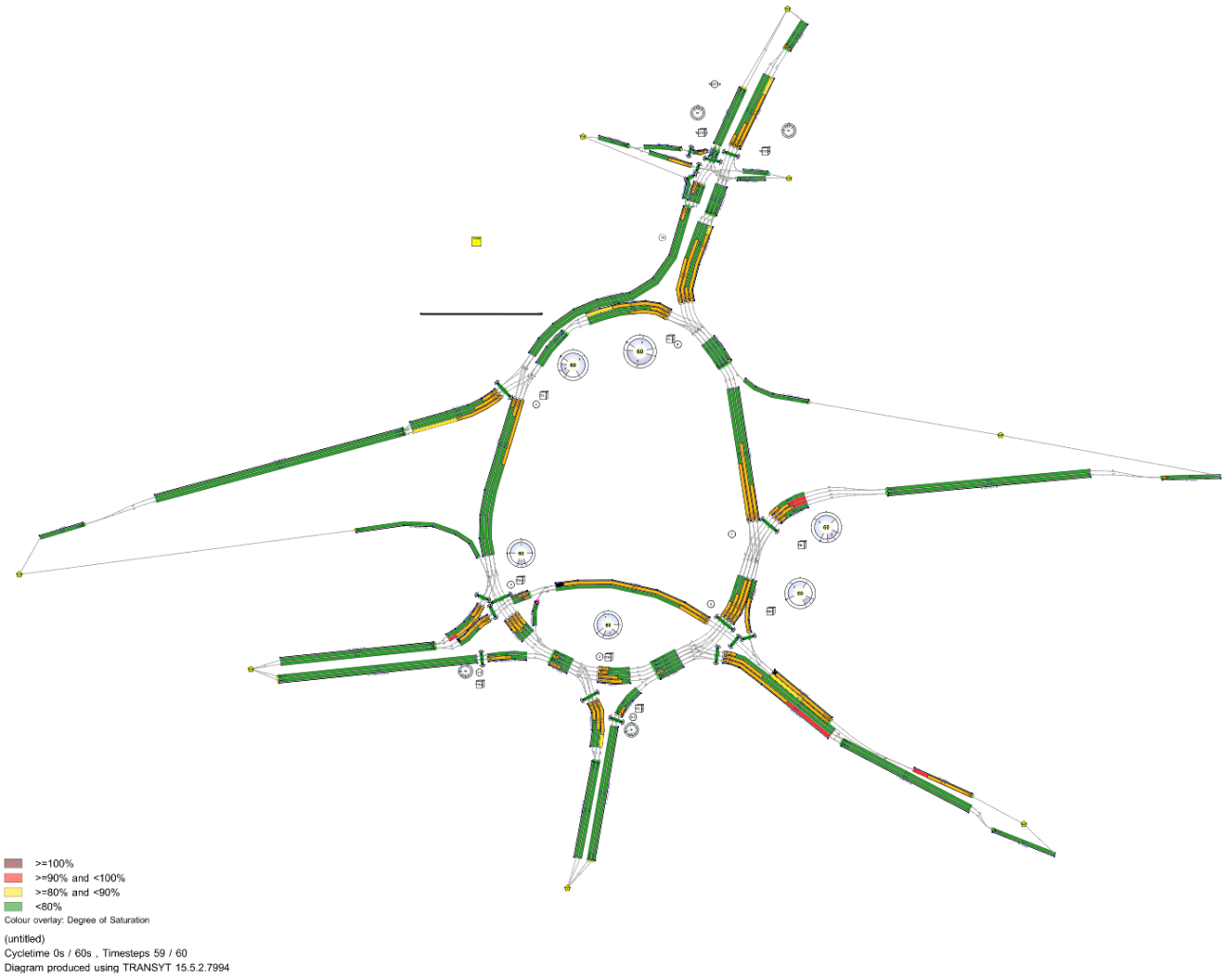
Units

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

Sorting

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

Network Diagrams



A2 - 2019 Base + Committed PM
D2 - 2019 Base + Committed PM*

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 TC5 - Traffic Stream 4 - Signals (TC777-1, C)	Traffic Stream 4 controlling phase C never runs in the current stage sequence.
Warning	Traffic Stream Signals	Arm TC42 - Traffic Stream 1 - Signals (TC777-1, E)	Traffic Stream 1 controlling phase E never runs in the current stage sequence.
Info	Arm Data	Arm xC	No traffic node specified for arm(s): xC
Info	Traffic Stream Signals	Arm TC5 - Traffic Stream 4 - Signals (TC777-1, C)	Traffic Stream 4 controlling phase C never runs in stage sequence 1.
Info	Traffic Stream Signals	Arm TC42 - Traffic Stream 1 - Signals (TC777-1, E)	Traffic Stream 1 controlling phase E never runs in stage sequence 1.

Run Summary

Analysis set used	Run start time	Run finish time	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Ite wit wor over PR
2	02/07/2021 14:55:47	02/07/2021 14:56:00	16:30	60	3792.58	226.00	110.42	E2/3	8	5	TC5/4	xC/1	TC5

Analysis Set Details

Name	Description	Demand set	Include in report	Locked
2019 Base + Committed PM		D2	✓	

Demand Set Details

Name	Description	Composite	Demand sets	Start time (HH:mm)	Locked
2019 Base + Committed PM				16:30	

Network Options

Network timings

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

Signals options

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

Advanced

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

Traffic options

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

Advanced

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

Normal Traffic parameters

Dispersion type	Dispersion coefficient	Travel time coefficient
Default	35	80

Normal Traffic Types

Name	PCU Factor
Normal	1.00

Bus parameters

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

Tram parameters

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

Pedestrian parameters

Dispersion type
Default

Optimisation options

Enable optimisation	Auto redistribute	Optimisation level	Enable OUT Profile accuracy
			✓

Advanced

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

Economics

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

Traffic Nodes

Traffic Nodes

Traffic node	Name	Description
(ALL)	(untitled)	

Arms and Traffic Streams

Arms

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

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	✓	60

Normal traffic - Modelling

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

Normal traffic - Advanced

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

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)
A	1	834	834
	2	375	375
	3	744	744
	4	542	542
Ac	1	733	733
	2	262	262
	3	427	427
Acf	1	995	995
	2	427	427
Af	1	1209	1209
	2	744	744
	3	542	542
B	1	246	246
	2	368	368
	3	345	345
	4	260	260
Bc	1	724	724
	2	1025	1025
	3	601	601
	1	1567	1567

Bcf	**2**	724	724
	3	1025	1025
	4	601	601
Bf	**1**	614	614
	2	605	605
C	**1**	460	460
	2	391	391
	3	142	142
Cf	**1**	460	460
	2	533	533
D	**1**	260	260
	2	315	315
	3	350	350
Dc	**1**	758	758
	2	795	795
	3	287	287
	4	402	402
Dcf	**1**	1083	1083
	2	1279	1279
	3	795	795
	4	287	287
	5	402	402
Df	**1**	575	575
	2	350	350
Dxp	**1**	1083	1083
	2	521	521
Ec	**1**	553	553
	2	532	532
	3	518	518
	4	274	274
Ecf	**1**	850	850
	2	963	963
	3	532	532
	4	822	822
Ef	**1**	793	793
	2	584	584
Exp	**1**	850	850
	2	410	410
F	**1**	173	173
	2	267	267
	3	341	341
Fc	**1**	623	623
	2	609	609
	3	779	779
Ff	**1**	440	440
	2	341	341
G	**1**	343	343
	2	272	272
Gf	**1**	339	339
	2	245	245
xA	**1**	706	706
	2	663	663
xB	**1**	1567	1567
xC	**1**	715	715
	2	617	617
xD	**1**	1083	1083
	2	521	521

xE	1	850	850
	2	410	410
xF	1	659	659
Cc1	1	716	716
E1	1	288	288
	2	505	505
Gf1	1	31	31
Cc2	2	996	996
	3	625	625
	4	972	972
	5	260	260
E2	3	339	339
	4	245	245
TC5	2	649	649
	3	663	663
	4	0	0
TC9	1	1078	1078
	2	731	731
	3	402	402
TC35	1	57	57
TC36	1	356	356
TC37	1	72	72
TC38	1	72	72
TC39	2	649	649
	3	663	663
TC40	2	721	721
	3	663	663
TC41	1	284	284
TC42	1	0	0
TC43	1	0	0
47	1	1331	1331
48	1	993	993
49	1	1078	1078
	2	1133	1133
50	1	1219	1219
51	1	781	781

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	3	48	328	12	413	13	403	0
	B28	17	0	91	164	477	7	237	0
	C28	265	31	0	168	92	8	361	0
	D28	5	349	238	0	16	13	160	0
	E28	443	584	85	106	1	6	152	0
	F28	99	26	54	78	27	0	72	0
	G28	735	293	808	131	234	10	0	0
	H28	0	0	0	0	0	0	0	0

Bus Input Flows not shown as they are blank.

Tram Input Flows not shown as they are blank.

Pedestrian Input Flows not shown as they are blank.

Locations

OD Matrix	Location	Name	Entries	Exits	Colour
1	A28	(untitled)	50/1	xB/1	#FF0000
	B28	(untitled)	48/1	47/1	#00FF40
	C28	(untitled)	Df/2, Df/1	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	Fixed	
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	Fixed	
107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	
108		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
109	I3	C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
111		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	
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	Fixed	
119		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
120		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
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	Fixed	
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	Fixed	
149	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	
150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	
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	Fixed
	211		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal
	212		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	Fixed
	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	Fixed	
	244		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	245		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	246		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	247		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	248		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	
	249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	250		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	251		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	252		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	253		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	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: 60s cycle time; 60 steps

Controller Stream 769-1

Controller Stream	Name	Description	Use sequence	Cycle time source	Cycle time (s)
769-1	(untitled)		1	NetworkDefault	60

Controller Stream 769-1 - Properties

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

Controller Stream 769-1 - Optimisation

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

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
769-1	1	(untitled)	Single	1, 2	8, 29

Intergreen Matrix for Controller Stream 769-1

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

Banned Stage transitions for Controller Stream 769-1

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 769-1

		To	
		1	2
From	1	0	11
	2	5	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
769-1	1	✓	1	A,C	34	8	34	1	7
	2	✓	2	B	19	29	10	1	7

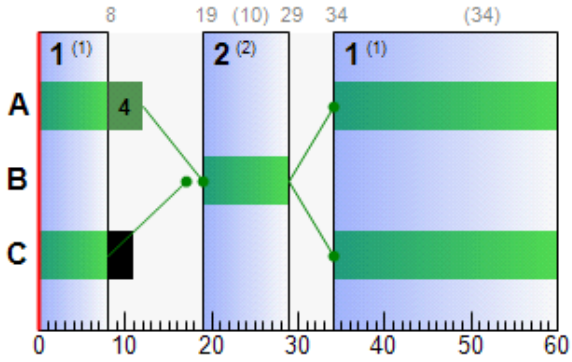
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
769-1	A	1	✓	34	12	38
	B	1	✓	19	29	10
	C	1	✓	34	8	34

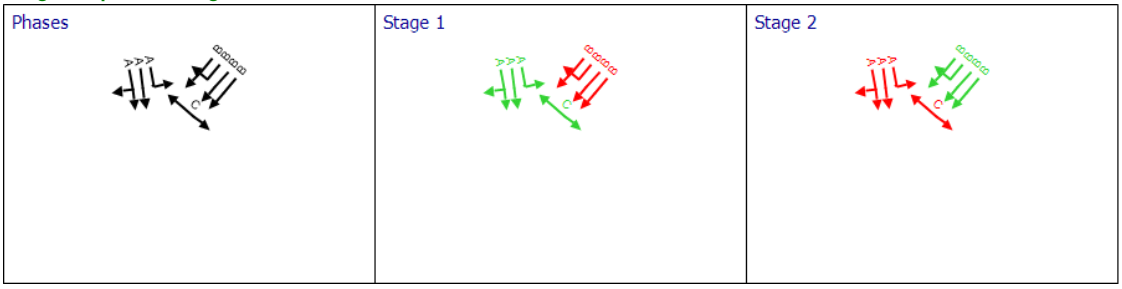
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
B	1	1	769-1	B	19	29	10
B	2	1	769-1	B	19	29	10
B	3	1	769-1	B	19	29	10
B	4	1	769-1	B	19	29	10
Bc	1	1	769-1	A	34	12	38
Bc	2	1	769-1	A	34	12	38
Bc	3	1	769-1	A	34	12	38

Phase Timings Diagram for Controller Stream 769-1



Stage Sequence Diagram for Controller Stream 769-1



Controller Stream 769-2

Controller Stream	Name	Description	Use sequence	Cycle time source	Cycle time (s)
769-2	(untitled)		1	NetworkDefault	60

Controller Stream 769-2 - Properties

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

Controller Stream 769-2 - Optimisation

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

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Equal length multiple cycling	Stage IDs	Stage ends	Multiple cycling stage IDs	Multiple cycling stage ends
769-2	1	(untitled)	Single		4, 5	5, 26		
	2	(untitled)	Single		4, 6, 5	0, 16, 32		
	3	(untitled)	Single		4, 5, 6	0, 29, 38		
	4	(untitled)	Double	✓	4, 6	2, 23	4, 6	62, 83

Intergreen Matrix for Controller Stream 769-2

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

Banned Stage transitions for Controller Stream 769-2

		To		
		4	5	6
From	4			
	5			
	6			

Interstage Matrix for Controller Stream 769-2

		To		
		4	5	6
From	4	0	14	13
	5	15	0	0
	6	14	0	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
769-2	1	✓	4	D,E,H,I	41	5	24	1	1
	2	✓	5	F,G,J,K	19	26	7	1	7

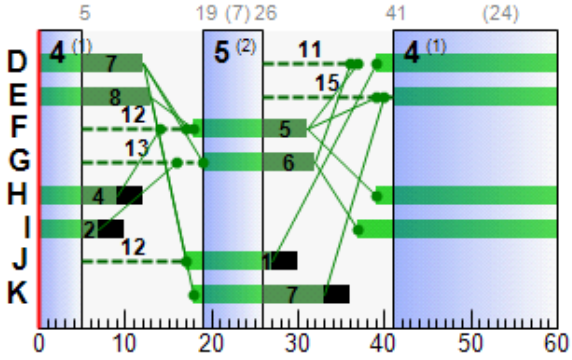
Resultant Phase Green Periods

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

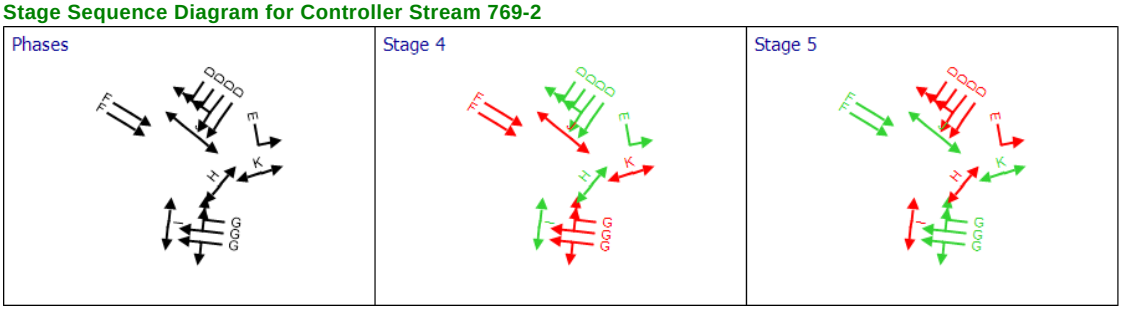
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 769-2



Stage Sequence Diagram for Controller Stream 769-2



Controller Stream 770-1

Controller Stream	Name	Description	Use sequence	Cycle time source	Cycle time (s)
770-1	(untitled)		1	NetworkDefault	60

Controller Stream 770-1 - Properties

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

Controller Stream 770-1 - Optimisation

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

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
770-1	1	(untitled)	Single	1, 2	15, 34

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	39	15	36	1	5
	2	✓	2	B	22	34	12	1	7

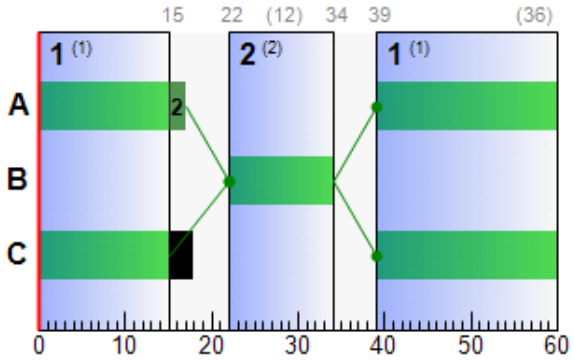
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
770-1	A	1	✓	39	17	38
	B	1	✓	22	34	12
	C	1	✓	39	15	36

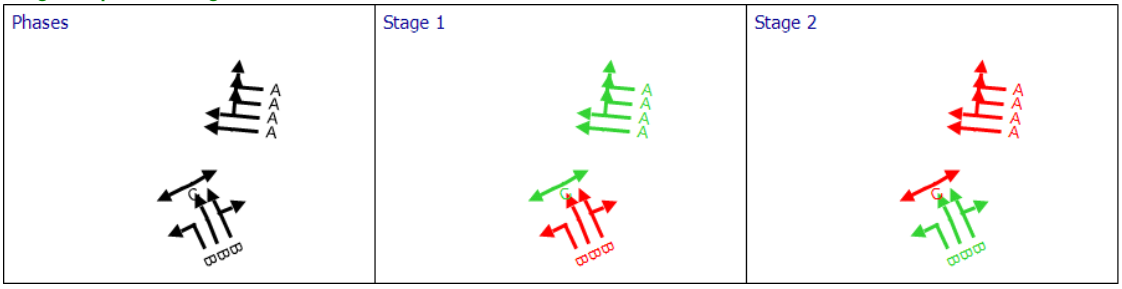
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
D	1	3	770-1	B	22	34	12
D	2	3	770-1	B	22	34	12
D	3	3	770-1	B	22	34	12
Dc	1	3	770-1	A	39	17	38
Dc	2	3	770-1	A	39	17	38
Dc	3	3	770-1	A	39	17	38
Dc	4	3	770-1	A	39	17	38

Phase Timings Diagram for Controller Stream 770-1



Stage Sequence Diagram for Controller Stream 770-1



Controller Stream 770-2

Controller Stream	Name	Description	Use sequence	Cycle time source	Cycle time (s)
770-2	(untitled)		1	Manual	60

Controller Stream 770-2 - Properties

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

Controller Stream 770-2 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
770-2	1	(untitled)	Single	4, 5	23, 35

Intergreen Matrix for Controller Stream 770-2

		To	
		D	E
From	D		5
	E	7	

Banned Stage transitions for Controller Stream 770-2

		To	
		4	5
From	4		
	5		

Interstage Matrix for Controller Stream 770-2

		To	
		4	5
From	4	0	5
	5	7	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
770-2	1	✓	4	D	42	23	41	1	7
	2	✓	5	E	28	35	7	1	5

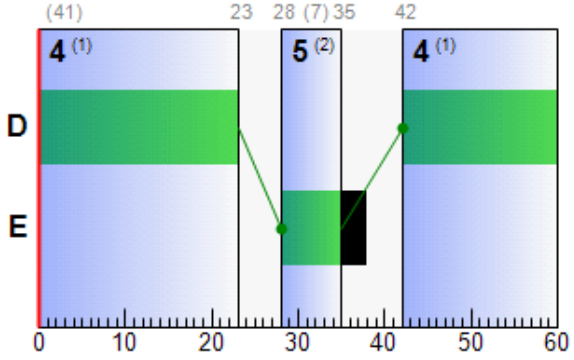
Resultant Phase Green Periods

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

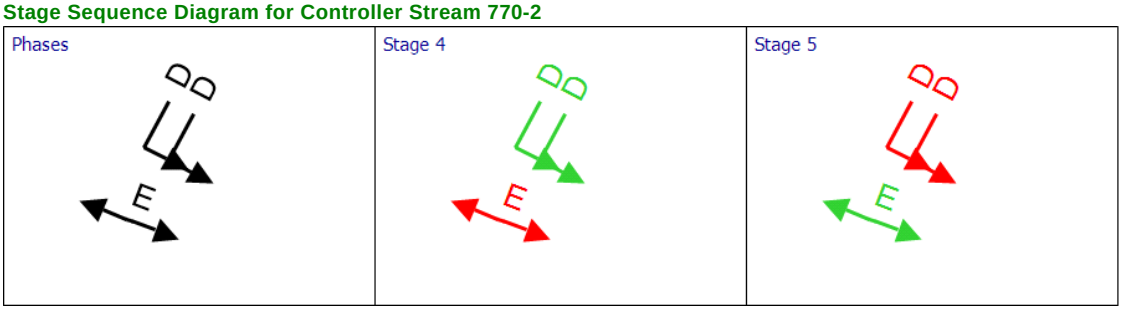
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 770-2



Stage Sequence Diagram for Controller Stream 770-2



Controller Stream 770-3

Controller Stream	Name	Description	Use sequence	Cycle time source	Cycle time (s)
770-3	(untitled)		1	NetworkDefault	60

Controller Stream 770-3 - Properties

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

Controller Stream 770-3 - Optimisation

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

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
770-3	1	(untitled)	Single	7, 9	15, 33

Intergreen Matrix for Controller Stream 770-3

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

Banned Stage transitions for Controller Stream 770-3

		To		
		7	8	9
From	7			
	8			
	9			

Interstage Matrix for Controller Stream 770-3

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

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
770-3	1	✓	7	F,I,J	45	15	30	1	2
	2	✓	9	G,H	26	33	7	1	1

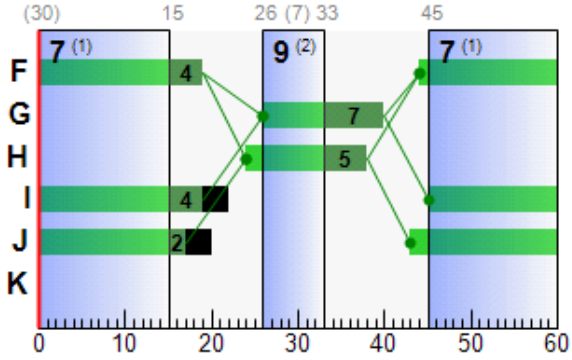
Resultant Phase Green Periods

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

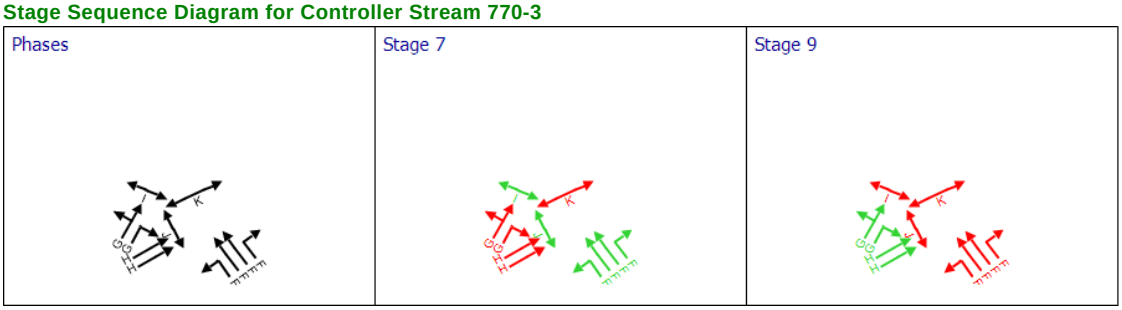
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 770-3



Stage Sequence Diagram for Controller Stream 770-3



Controller Stream 770-4

Controller Stream	Name	Description	Use sequence	Cycle time source	Cycle time (s)
770-4	(untitled)		1	NetworkDefault	60

Controller Stream 770-4 - Properties

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

Controller Stream 770-4 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
770-4	1	(untitled)	Single	11, 12	24, 37

Intergreen Matrix for Controller Stream 770-4

		To	
		L	M
From	L		5
	M	7	

Banned Stage transitions for Controller Stream 770-4

		To	
		11	12
From	11		
	12		

Interstage Matrix for Controller Stream 770-4

		To	
		11	12
From	11	0	5
	12	7	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
770-4	1	✓	11	L	44	24	40	1	7
	2	✓	12	M	29	37	8	1	6

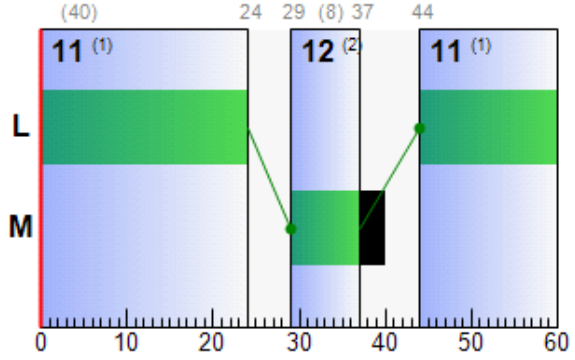
Resultant Phase Green Periods

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

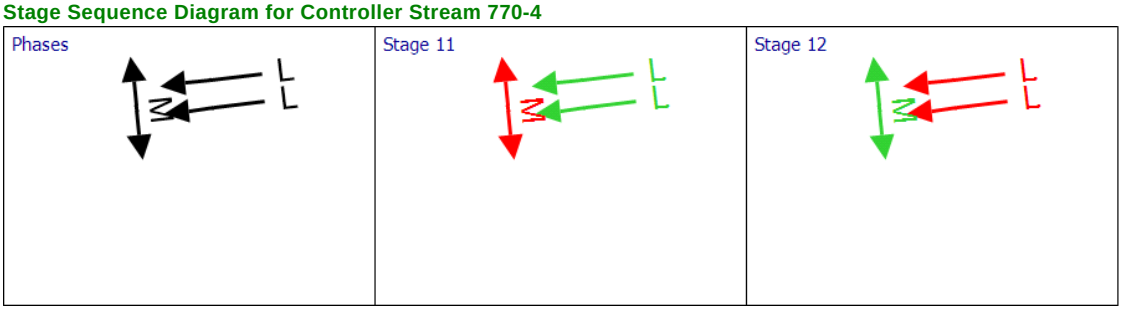
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 770-4



Stage Sequence Diagram for Controller Stream 770-4



Controller Stream 771-1

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

Controller Stream 771-1 - Properties

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

Controller Stream 771-1 - Optimisation

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

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
771-1	1	(untitled)	Single	1, 3	25, 46

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	51	25	34	1	9
	2	✓	3	B	36	46	10	1	7

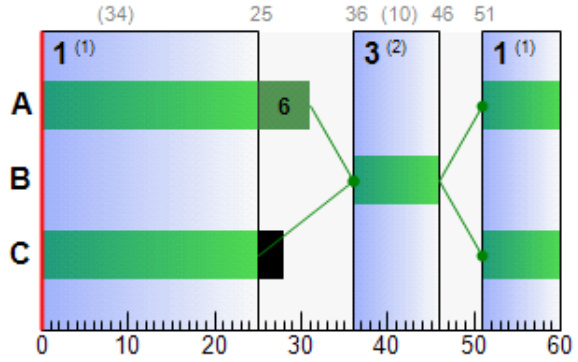
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
771-1	A	1	✓	51	31	40
	B	1	✓	36	46	10
	C	1	✓	51	25	34

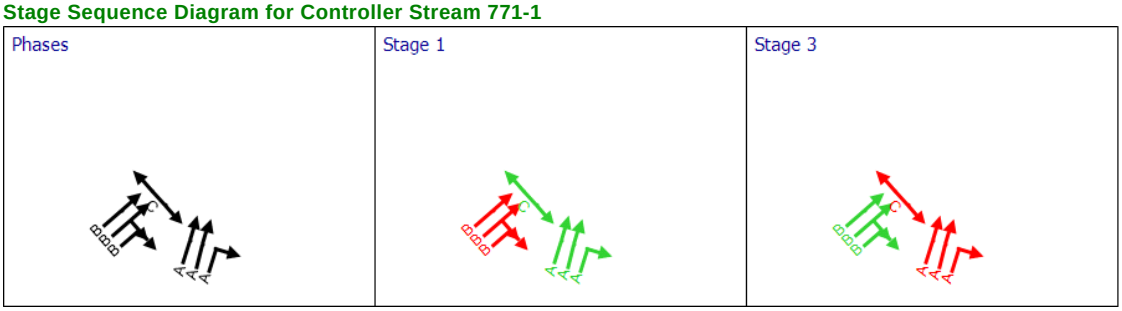
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
F	1	5	771-1	B	36	46	10
F	2	5	771-1	B	36	46	10
F	3	5	771-1	B	36	46	10
Fc	1	5	771-1	A	51	31	40
Fc	2	5	771-1	A	51	31	40
Fc	3	5	771-1	A	51	31	40

Phase Timings Diagram for Controller Stream 771-1



Stage Sequence Diagram for Controller Stream 771-1



Controller Stream 771-2

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

Controller Stream 771-2 - Properties

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

Controller Stream 771-2 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
771-2	1	(untitled)	Single	5, 6	13, 46

Intergreen Matrix for Controller Stream 771-2

		To	
		D	E
From	D		5
	E	5	

Banned Stage transitions for Controller Stream 771-2

		To	
		5	6
From	5		
	6		

Interstage Matrix for Controller Stream 771-2

		To	
		5	6
From	5	0	5
	6	5	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
771-2	1	✓	5	D	51	13	22	1	7
	2	✓	6	E	18	46	28	1	7

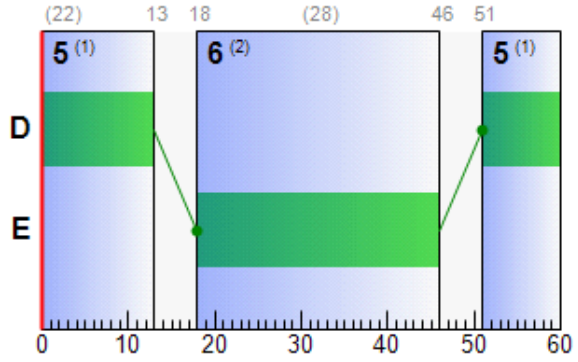
Resultant Phase Green Periods

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

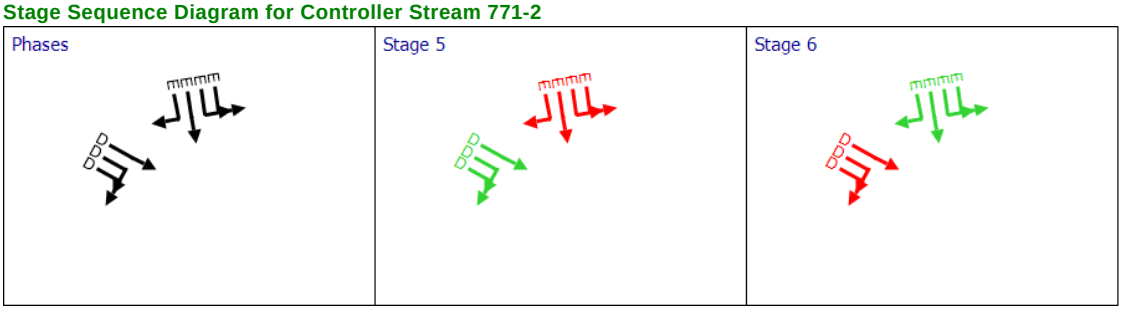
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream 771-2



Stage Sequence Diagram for Controller Stream 771-2



Controller Stream TC777-1

Controller Stream	Name	Description	Use sequence	Cycle time source	Cycle time (s)
TC777-1	A653 Dewsbury Road / Topcliffe Lane		1	NetworkDefault	60

Controller Stream TC777-1 - Properties

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

Controller Stream TC777-1 - Optimisation

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

Phases

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

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, 5	46, 2

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	8	46	38	1	7
	2	✓	5	D,H,I	53	2	9	1	6

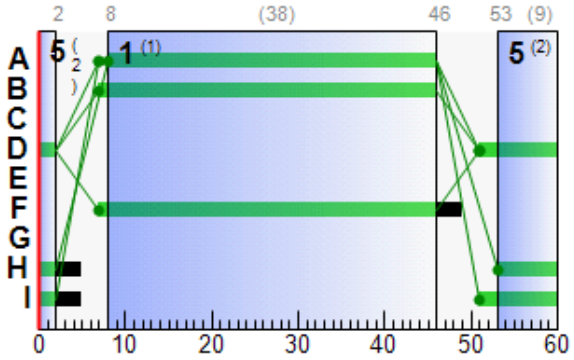
Resultant Phase Green Periods

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

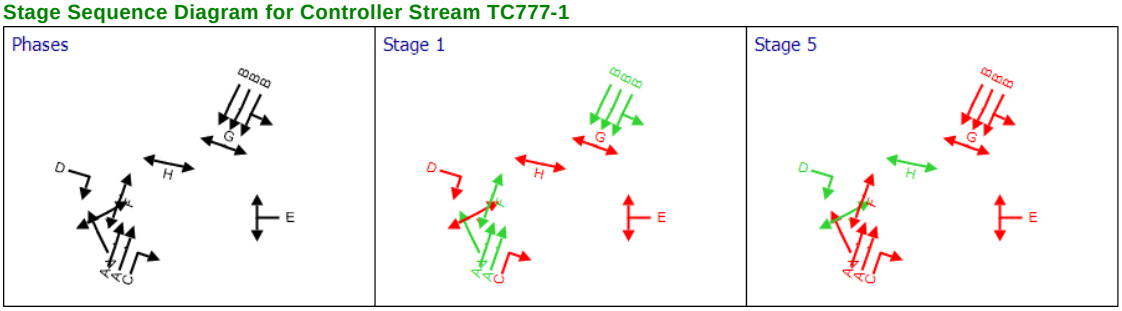
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
TC5	2	TC771-6	TC777-1	A	8	46	38
TC5	3	TC771-6	TC777-1	A	8	46	38
TC5	4	TC771-6	TC777-1	C			
TC9	1	TC771-6	TC777-1	B	7	46	39
TC9	2	TC771-6	TC777-1	B	7	46	39
TC9	3	TC771-6	TC777-1	B	7	46	39
TC35	1	TC771-6	TC777-1	A	8	46	38
TC41	1	TC771-6	TC777-1	D	51	2	11
TC42	1	TC771-6	TC777-1	E			

Phase Timings Diagram for Controller Stream TC777-1



Stage Sequence Diagram for Controller Stream TC777-1



Controller Stream TC777-2

Controller Stream	Name	Description	Use sequence	Cycle time source	Cycle time (s)
TC777-2	Topcliffe Ln LT Ped		1	NetworkDefault	60

Controller Stream TC777-2 - Properties

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

Controller Stream TC777-2 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
TC777-2	1	(untitled)	Single	1, 2	53, 3

Intergreen Matrix for Controller Stream TC777-2

		To	
		J	K
From	J		5
	K	5	

Banned Stage transitions for Controller Stream TC777-2

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream TC777-2

		To	
		1	2
From	1	0	5
	2	5	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
TC777-2	1	✓	1	J	8	53	45	1	7
	2	✓	2	K	58	3	5	1	5

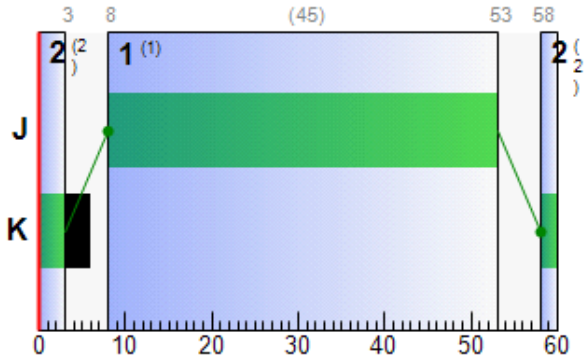
Resultant Phase Green Periods

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

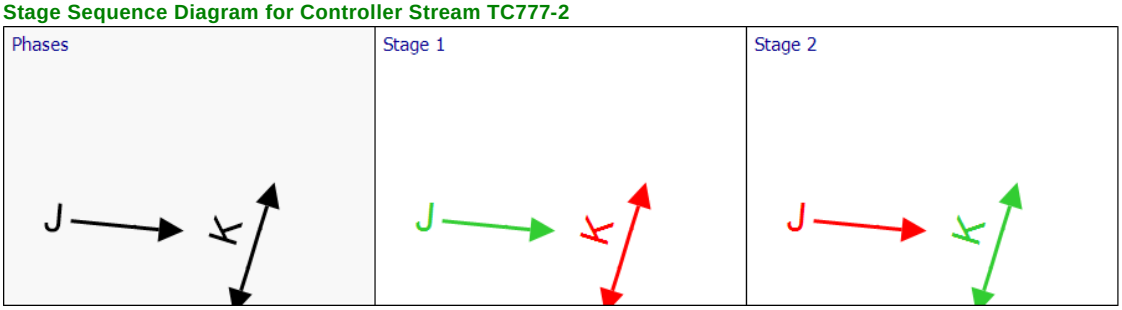
Traffic Stream Green Times

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

Phase Timings Diagram for Controller Stream TC777-2



Stage Sequence Diagram for Controller Stream TC777-2



Resultant penalties

Time Segment	Controller stream	Phase min max penalty (£ per hr)	Intergreen broken penalty (£ per hr)	Stage constraint broken penalty (£ per hr)	Cost of controller stream penalties (£ per hr)
16:30-17:30	(ALL)	0.00	0.00	0.00	0.00

Results - Link

Results - Traffic Stream

Results - Traffic Stream: Vehicle summary

Time Segment	Arm	Traffic Stream	Name	Phase	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Calculated capacity (PCU/hr)	Degree of saturation (%)	Practical reserve capacity (%)	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	JourneyTime (s)
		1	(untitled)	E	834	2050	28	991	84	7	18.57	11.47	88.47	24.16

	A	2	(untitled)	E	376	2050	28	991	38	137	7.57	2.48	18.58	13.33
		3	(untitled)	E	743	2050	28	991	75	20	13.85	10.82	79.17	19.74
		4	(untitled)	E	543	2050	28	991	55	64	12.36	7.63	54.62	18.38
	Ac	1	(untitled)	D	734	2263	22	867	85	6	29.39	11.51	69.07	36.58
		2	(untitled)	D	262	2263	22	745	35	156	3.49	3.78	23.52	12.99
		3	(untitled)	D	426	2263	22	867	49	83	5.72	7.32	47.86	12.32
	Acf	1	(untitled)		996	2263	60	2263	44	104	0.62	0.17	1.43	5.84
		2	(untitled)		426	2263	60	2263	19	378	0.18	0.02	0.18	7.43
	Af	1	(untitled)		1210	2050	60	2050	59	52	1.26	0.42	4.55	7.69
		2	(untitled)		743	2050	60	2050	36	148	0.50	0.10	1.11	6.88
		3	(untitled)		543	2050	60	2050	26	240	0.32	0.05	0.52	6.68
	B	1	(untitled)	B	246	2050	10	376	65	38	31.65	4.09	24.86	38.75
		2	(untitled)	B	368	2150	10	394	93	-4	69.27	10.06	59.54	76.56
		3	(untitled)	B	345	2100	10	378	91	-2	63.37	8.89	51.26	70.85
		4	(untitled)	B	261	2050	10	376	69	30	33.55	4.61	25.89	45.84
	Bc	1	(untitled)	A	725	2050	38	1333	54	65	6.84	6.20	26.84	18.79
		2	(untitled)	A	1024	2050	38	1326	77	17	9.45	13.41	58.65	21.29
		3	(untitled)	A	601	2050	38	1318	46	97	2.10	9.85	43.55	13.81
	Bcf	1	(untitled)		1568	2263	60	2263	69	30	1.79	0.78	7.14	6.14
		2	(untitled)		725	2263	60	2263	32	181	0.37	0.08	0.69	5.76
		3	(untitled)		1024	2263	60	2263	45	99	0.66	0.19	1.72	6.53
		4	(untitled)		601	2263	60	2263	27	239	0.29	0.05	0.44	6.62
	Bf	1	(untitled)		614	1800	60	1800	34	164	0.52	0.09	0.22	27.85
		2	(untitled)		606	1800	60	1800	34	167	0.51	0.09	0.21	27.92
	C	1	(untitled)	G	460	2100	13	490	94	-4	62.79	12.38	58.75	77.33
		2	(untitled)	G	391	2200	13	513	76	18	32.44	7.06	33.18	47.12
		3	(untitled)	G	142	2050	13	478	30	203	20.56	1.96	9.04	35.48
	Cf	1	(untitled)		460	1965	60	1965	23	284	0.28	0.04	0.14	17.63
		2	(untitled)		533	1965	60	1965	27	232	0.34	0.05	0.20	17.84
	D	1	(untitled)	B	260	2050	12	444	59	54	26.75	3.95	41.27	30.88
		2	(untitled)	B	315	1850	12	401	79	15	37.89	6.01	62.85	42.01
		3	(untitled)	B	350	2250	12	429	82	10	40.00	6.69	72.71	43.96
	Dc	1	(untitled)	A	758	2100	38	1362	56	62	7.50	6.63	75.24	11.30
		2	(untitled)	A	794	2100	38	1365	58	55	5.36	5.19	61.29	9.02
		3	(untitled)	A	287	2100	38	1365	21	328	3.33	2.35	28.85	6.84
		4	(untitled)	A	403	2100	38	1365	30	205	4.45	2.55	32.76	7.81
	Dcf	1	(untitled)		1083	2050	60	2050	53	70	0.98	0.30	2.57	5.93
		2	(untitled)		1279	2100	60	2068	62	46	1.41	2.82	24.59	6.36
		3	(untitled)		794	2100	60	2100	38	138	0.52	0.11	0.96	5.92
		4	(untitled)		287	2100	60	2100	14	559	0.14	0.01	0.09	6.90
		5	(untitled)		403	2100	60	2100	19	369	0.20	0.02	0.20	5.22
	Df	1	(untitled)		575	1900	60	1900	30	197	0.41	0.07	0.19	24.41
		2	(untitled)		350	2250	60	2250	16	479	0.15	0.01	0.04	24.15
	Dxp	1	(untitled)	D	1083	2050	41	1435	75	19	4.60	2.59	32.00	8.09
		2	(untitled)	D	521	2050	41	1435	36	148	0.78	0.17	2.00	4.43
	Ec	1	(untitled)	F	553	2150	35	1290	43	110	6.49	4.90	56.26	10.24
		2	(untitled)	F	532	2263	35	1358	39	130	8.56	6.21	73.67	12.19
		3	(untitled)	F	518	2263	35	1358	38	136	4.55	4.89	60.07	8.06
		4	(untitled)	F	274	2250	35	1350	20	343	13.45	4.67	58.53	16.89
	Ecf	1	(untitled)		850	2100	60	2042	42	116	1.07	4.96	62.03	4.51
		2	(untitled)		962	2100	60	2100	46	96	0.72	0.19	2.40	4.20
		3	(untitled)		532	2263	60	2255	24	282	0.26	2.36	28.86	3.78
		4	(untitled)		823	2300	60	2300	36	152	0.44	0.10	1.14	4.41
	Ef	1	(untitled)		793	1900	60	1900	42	116	0.68	0.15	0.67	15.98
		2	(untitled)		584	1900	60	1900	31	193	0.42	0.07	0.31	15.73
16:30-17:30	Exp	1	(untitled)	L	850	2050	40	1401	61	48	4.19	5.54	61.44	8.08
		2	(untitled)	L	409	2050	40	1401	29	208	0.53	0.06	0.64	4.56
		1	(untitled)	B	173	2100	10	385	45	100	25.62	2.65	17.88	32.00

	F	2	(untitled)	B	267	2100	10	385	69	30	33.25	4.55	30.51	39.68
		3	(untitled)	B	340	2100	10	385	88	2	54.18	7.91	52.11	60.72
	Fc	1	(untitled)	A	623	2263	40	1546	40	123	1.25	1.81	5.67	20.35
		2	(untitled)	A	609	2263	40	1506	40	123	1.54	3.50	11.08	20.47
		3	(untitled)	A	779	2263	40	1536	51	77	5.62	13.22	42.16	25.29
	Ff	1	(untitled)		440	1900	60	1900	23	289	0.29	0.03	0.07	33.37
		2	(untitled)		340	1900	60	1900	18	403	0.21	0.02	0.04	33.25
	G	1	(untitled)	F	311	2050	13	311	100	-10	359.73	35.40	130.34	375.79
		2	(untitled)	F	272	2050	13	458	59	52	45.96	5.27	19.85	57.40
	Gf	1	(untitled)		307	2050	60	1091	28	220	20.11	4.56	67.50	23.03
		2	(untitled)		245	2050	60	2044	12	651	0.18	2.35	35.11	3.06
	xA	1	(untitled)		706	2263	60	2211	32	182	0.48	2.39	5.99	17.71
		2	(untitled)		663	2263	60	2263	29	207	0.33	0.06	0.15	17.58
	xB	1	(untitled)		1568	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
	xC	1	(untitled)		683	1900	60	683	100	-10	123.27	30.25	150.48	131.94
		2	(untitled)		617	1900	60	733	84	7	19.78	9.12	45.20	28.47
	xD	1	(untitled)		1083	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
		2	(untitled)		521	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
	xE	1	(untitled)		850	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		409	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	xF	1	(untitled)		659	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
	Cc1	1	(untitled)	E	717	2050	32	1122	64	41	14.05	11.02	66.09	20.59
	E1	1	(untitled)	G	288	2050	14	513	56	60	24.11	4.12	29.60	30.11
		2	(untitled)	G	505	2200	14	550	92	-2	51.90	11.57	83.17	57.90
	Gf1	1	(untitled)		31	648	60	594	5	1624	3.75	0.45	5.28	7.44
	Cc2	2	(untitled)	D	996	2150	33	1172	85	6	19.58	15.38	96.60	26.26
		3	(untitled)	D	625	2050	33	1162	54	67	11.49	9.29	59.84	18.59
		4	(untitled)	D	971	2150	33	1218	80	13	15.56	14.66	94.75	22.13
		5	(untitled)	D	261	2050	33	1162	22	301	13.35	5.87	38.08	21.33
	E2	3	(untitled)	H	339	2150	14	307	110	-18	246.42	25.69	277.30	250.41
		4	(untitled)	H	245	2050	14	513	48	88	22.37	3.42	36.16	26.45
	TC5	2	(untitled)	A	649	2263	38	1509	43	109	3.58	2.50	62.31	6.35
		3	(untitled)	A	663	2263	38	1509	44	105	1.26	0.51	12.62	4.02
		4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	1079	1925	39	1348	80	12	11.42	12.06	75.64	22.42
		2	(untitled)	B	731	1966	39	1376	53	69	5.78	5.26	32.83	16.83
		3	(untitled)	B	402	1947	39	1363	29	205	3.96	2.30	14.24	15.08
	TC35	1	(untitled)	A	57	1900	38	1267	5	1900	3.26	0.25	6.05	6.16
	TC36	1	(untitled)		356	1800	60	1800	20	355	0.25	0.02	0.56	3.27
	TC37	1	(untitled)	J	72	1850	45	1418	5	1673	1.82	0.28	3.65	5.01
	TC38	1	(untitled)		72	455	60	455	16	469	2.65	2.43	65.55	4.18
	TC39	2	(untitled)		649	2263	60	2263	29	214	0.32	0.06	0.94	2.86
		3	(untitled)		663	2263	60	2263	29	207	0.33	0.06	1.05	2.73
	TC40	2	(untitled)		721	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		663	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	284	1850	11	370	77	17	38.05	5.16	54.28	41.98
	TC42	1	(untitled)	E	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC43	1	(untitled)		0	1800	60	1800	0	Unrestricted	0.00	0.00	0.00	0.00
	47	1	(untitled)		1300	1300	60	1300	100	-10	48.58	17.54	75.48	64.61
	48	1	(untitled)		993	1965	60	1965	51	78	0.93	0.26	2.69	7.55
	49	1	(untitled)		1079	1900	60	1900	57	58	1.24	0.37	8.16	4.39
		2	(untitled)		1133	1900	60	1900	60	51	1.40	0.44	9.62	4.54
	50	1	(untitled)		1220	1900	60	1900	64	40	1.69	0.57	6.85	7.47
	51	1	(untitled)		780	1900	60	1900	41	119	0.66	0.14	2.19	5.16

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,C	34	8	34	1	7
	2	✓	2	B	19	29	10	1	7
769-2	1	✓	4	D,E,H,I	41	5	24	1	1
	2	✓	5	F,G,J,K	19	26	7	1	7
770-1	1	✓	1	A,C	39	15	36	1	5
	2	✓	2	B	22	34	12	1	7
770-2	1	✓	4	D	42	23	41	1	7
	2	✓	5	E	28	35	7	1	5
770-3	1	✓	7	F,I,J	45	15	30	1	2
	2	✓	9	G,H	26	33	7	1	1
770-4	1	✓	11	L	44	24	40	1	7
	2	✓	12	M	29	37	8	1	6
771-1	1	✓	1	A,C	51	25	34	1	9
	2	✓	3	B	36	46	10	1	7
771-2	1	✓	5	D	51	13	22	1	7
	2	✓	6	E	18	46	28	1	7
TC777-1	1	✓	1	A,B,F	8	46	38	1	7
	2	✓	5	D,H,I	53	2	9	1	6
TC777-2	1	✓	1	J	8	53	45	1	7
	2	✓	2	K	58	3	5	1	5

Data Entry - Phase

Phase

Controller Stream	Phase	Phase	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type
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)
16:30-17:30	1	1	0	0	7	0.00	0.00
		2	0	0	7	0.00	0.00
	2	1	0	0	36	0.00	0.00
		2	0	0	36	0.00	0.00
	3	1	0	0	8	0.00	0.00
		2	0	0	8	0.00	0.00
	4	1	0	0	34	0.00	0.00
		2	0	0	34	0.00	0.00
	5	1	0	0	34	0.00	0.00
		2	0	0	34	0.00	0.00
	6	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	7	1	0	0	34	0.00	0.00
		2	0	0	34	0.00	0.00
	8	1	0	0	34	0.00	0.00
		2	0	0	34	0.00	0.00
	9	1	0	0	10	0.00	0.00
		2	0	0	10	0.00	0.00
	10	1	0	0	15	0.00	0.00
		2	0	0	15	0.00	0.00
	11	1	0	0	30	0.00	0.00
		2	0	0	30	0.00	0.00
	12	1	0	0	30	0.00	0.00
		2	0	0	30	0.00	0.00
	13	1	0	0	11	0.00	0.00
		2	0	0	11	0.00	0.00
	14	1	0	0	39	0.00	0.00
		2	0	0	39	0.00	0.00
	15	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	16	1	0	0	9	0.00	0.00
		2	0	0	9	0.00	0.00
	17	1	0	0	5	0.00	0.00
		2	0	0	5	0.00	0.00

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	84	7	834	2050	28	18.57	11.47	88.47	61.10	17.53	78.64
		2	38	137	376	2050	28	7.57	2.48	18.58	11.22	3.74	14.96
		3	75	20	743	2050	28	13.85	10.82	79.17	40.58	14.67	55.26
		4	55	64	543	2050	28	12.36	7.63	54.62	26.47	11.99	38.45
	Ac	1	85	6	734	2263	22	29.39	11.51	69.07	85.10	17.03	102.13
		2	35	156	262	2263	22	3.49	3.78	23.52	3.61	1.69	5.30
		3	49	83	426	2263	22	5.72	7.32	47.86	9.62	6.47	16.09
	Acf	1	44	104	996	2263	60	0.62	0.17	1.43	2.45	0.00	2.45
		2	19	378	426	2263	60	0.18	0.02	0.18	0.31	0.00	0.31
	Af	1	59	52	1210	2050	60	1.26	0.42	4.55	6.02	0.00	6.02
		2	36	148	743	2050	60	0.50	0.10	1.11	1.46	0.00	1.46
		3	26	240	543	2050	60	0.32	0.05	0.52	0.68	0.00	0.68
	B	1	65	38	246	2050	10	31.65	4.09	24.86	30.71	7.84	38.55
		2	93	-4	368	2150	10	69.27	10.06	59.54	100.56	17.89	118.44
		3	91	-2	345	2100	10	63.37	8.89	51.26	86.24	15.99	102.23
		4	69	30	261	2050	10	33.55	4.61	25.89	34.54	3.44	37.98
	Bc	1	54	65	725	2050	38	6.84	6.20	26.84	19.55	6.70	26.26
		2	77	17	1024	2050	38	9.45	13.41	58.65	38.18	11.88	50.07
		3	46	97	601	2050	38	2.10	9.85	43.55	4.98	0.97	5.94
	Bcf	1	69	30	1568	2263	60	1.79	0.78	7.14	11.05	0.00	11.05
		2	32	181	725	2263	60	0.37	0.08	0.69	1.07	0.00	1.07
		3	45	99	1024	2263	60	0.66	0.19	1.72	2.65	0.00	2.65
		4	27	239	601	2263	60	0.29	0.05	0.44	0.68	0.00	0.68
	Bf	1	34	164	614	1800	60	0.52	0.09	0.22	1.25	0.00	1.25
		2	34	167	606	1800	60	0.51	0.09	0.21	1.21	0.00	1.21
	C	1	94	-4	460	2100	13	62.79	12.38	58.75	113.94	8.49	122.43
		2	76	18	391	2200	13	32.44	7.06	33.18	50.02	5.16	55.18
		3	30	203	142	2050	13	20.56	1.96	9.04	11.51	1.47	12.99
	Cf	1	23	284	460	1965	60	0.28	0.04	0.14	0.51	0.00	0.51
		2	27	232	533	1965	60	0.34	0.05	0.20	0.72	0.00	0.72
	D	1	59	54	260	2050	12	26.75	3.95	41.27	27.43	7.58	35.02
		2	79	15	315	1850	12	37.89	6.01	62.85	47.08	10.74	57.81
		3	82	10	350	2250	12	40.00	6.69	72.71	55.22	12.57	67.79
	Dc	1	56	62	758	2100	38	7.50	6.63	75.24	22.42	12.61	35.03
		2	58	55	794	2100	38	5.36	5.19	61.29	16.80	9.65	26.45
		3	21	328	287	2100	38	3.33	2.35	28.85	3.78	3.69	7.46
		4	30	205	403	2100	38	4.45	2.55	32.76	7.07	4.96	12.03
	Dcf	1	53	70	1083	2050	60	0.98	0.30	2.57	4.19	0.00	4.19
		2	62	46	1279	2100	60	1.41	2.82	24.59	7.12	1.15	8.27
		3	38	138	794	2100	60	0.52	0.11	0.96	1.63	0.00	1.63
		4	14	559	287	2100	60	0.14	0.01	0.09	0.15	0.00	0.15
		5	19	369	403	2100	60	0.20	0.02	0.20	0.32	0.00	0.32
	Df	1	30	197	575	1900	60	0.41	0.07	0.19	0.93	0.00	0.93
		2	16	479	350	2250	60	0.15	0.01	0.04	0.20	0.00	0.20
	Dxp	1	75	19	1083	2050	41	4.60	2.59	32.00	19.64	4.80	24.44
		2	36	148	521	2050	41	0.78	0.17	2.00	1.61	0.31	1.92
	Ec	1	43	110	553	2150	35	6.49	4.90	56.26	14.15	7.19	21.34
		2	39	130	532	2263	35	8.56	6.21	73.67	17.96	11.31	29.27
		3	38	136	518	2263	35	4.55	4.89	60.07	9.30	6.44	15.74
		4	20	343	274	2250	35	13.45	4.67	58.53	14.53	8.41	22.94
	Ecf	1	42	116	850	2100	60	1.07	4.96	62.03	3.57	1.94	5.51
		2	46	96	962	2100	60	0.72	0.19	2.40	2.75	0.00	2.75
		3	24	282	532	2263	60	0.26	2.36	28.86	0.54	0.22	0.76
		4	36	152	823	2300	60	0.44	0.10	1.14	1.41	0.00	1.41

16:30-17:30	Ef	1	42	116	793	1900	60	0.68	0.15	0.67	2.12	0.00	2.12
		2	31	193	584	1900	60	0.42	0.07	0.31	0.97	0.00	0.97
	Exp	1	61	48	850	2050	40	4.19	5.54	61.44	14.04	5.79	19.84
		2	29	208	409	2050	40	0.53	0.06	0.64	0.85	0.00	0.85
	F	1	45	100	173	2100	10	25.62	2.65	17.88	17.48	5.03	22.51
		2	69	30	267	2100	10	33.25	4.55	30.51	35.02	8.70	43.72
		3	88	2	340	2100	10	54.18	7.91	52.11	72.66	14.51	87.17
	Fc	1	40	123	623	2263	40	1.25	1.81	5.67	3.07	1.23	4.31
		2	40	123	609	2263	40	1.54	3.50	11.08	3.71	2.15	5.85
		3	51	77	779	2263	40	5.62	13.22	42.16	17.26	9.14	26.40
	Ff	1	23	289	440	1900	60	0.29	0.03	0.07	0.50	0.00	0.50
		2	18	403	340	1900	60	0.21	0.02	0.04	0.28	0.00	0.28
	G	1	100	-10	311	2050	13	359.73	35.40	130.34	441.29	23.95	465.24
		2	59	52	272	2050	13	45.96	5.27	19.85	49.31	10.01	59.32
	Gf	1	28	220	307	2050	60	20.11	4.56	67.50	24.35	8.74	33.09
		2	12	651	245	2050	60	0.18	2.35	35.11	0.17	0.22	0.39
	xA	1	32	182	706	2263	60	0.48	2.39	5.99	1.35	1.43	2.77
		2	29	207	663	2263	60	0.33	0.06	0.15	0.86	0.00	0.86
	xB	1	0	Unrestricted	1568	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	100	-10	683	1900	60	123.27	30.25	150.48	332.09	30.25	362.35
		2	84	7	617	1900	60	19.78	9.12	45.20	48.13	13.22	61.35
	xD	1	0	Unrestricted	1083	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	521	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	0	Unrestricted	850	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	409	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	0	Unrestricted	659	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	64	41	717	2050	32	14.05	11.02	66.09	39.73	20.92	60.65
	E1	1	56	60	288	2050	14	24.11	4.12	29.60	27.39	7.92	35.31
		2	92	-2	505	2200	14	51.90	11.57	83.17	103.38	21.05	124.43
	Gf1	1	5	1624	31	648	60	3.75	0.45	5.28	0.46	0.61	1.07
	Cc2	2	85	6	996	2150	33	19.58	15.38	96.60	76.92	28.97	105.89
		3	54	67	625	2050	33	11.49	9.29	59.84	28.33	15.38	43.72
		4	80	13	971	2150	33	15.56	14.66	94.75	59.61	27.03	86.64
		5	22	301	261	2050	33	13.35	5.87	38.08	13.74	6.08	19.83
	E2	3	110	-18	339	2150	14	246.42	25.69	277.30	329.50	29.40	358.90
		4	48	88	245	2050	14	22.37	3.42	36.16	21.62	6.57	28.19
	TC5	2	43	109	649	2263	38	3.58	2.50	62.31	9.17	1.88	11.05
		3	44	105	663	2263	38	1.26	0.51	12.62	3.28	0.38	3.66
		4	0	-100	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	80	12	1079	1925	39	11.42	12.06	75.64	48.60	8.53	57.12
		2	53	69	731	1966	39	5.78	5.26	32.83	16.66	3.92	20.58
		3	29	205	402	1947	39	3.96	2.30	14.24	6.28	1.73	8.01
	TC35	1	5	1900	57	1900	38	3.26	0.25	6.05	0.73	0.19	0.92
	TC36	1	20	355	356	1800	60	0.25	0.02	0.56	0.35	0.00	0.35
	TC37	1	5	1673	72	1850	45	1.82	0.28	3.65	0.52	0.59	1.10
	TC38	1	16	469	72	455	60	2.65	2.43	65.55	0.75	0.78	1.53
	TC39	2	29	214	649	2263	60	0.32	0.06	0.94	0.82	0.00	0.82
		3	29	207	663	2263	60	0.33	0.06	1.05	0.86	0.00	0.86
	TC40	2	0	Unrestricted	721	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		3	0	Unrestricted	663	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	TC41	1	77	17	284	1850	11	38.05	5.16	54.28	42.63	10.62	53.25
	TC42	1	0	-100	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	TC43	1	0	Unrestricted	0	1800	60	0.00	0.00	0.00	0.00	0.00	0.00
	47	1	100	-10	1300	1300	60	48.58	17.54	75.48	249.09	0.00	249.09
	48	1	51	78	993	1965	60	0.93	0.26	2.69	3.66	0.00	3.66
	49	1	57	58	1079	1900	60	1.24	0.37	8.16	5.29	0.00	5.29
		2	60	51	1133	1900	60	1.40	0.44	9.62	6.24	0.00	6.24
	50	1	64	40	1220	1900	60	1.69	0.57	6.85	8.15	0.00	8.15

	51	1	41	119	780	1900	60	0.66	0.14	2.19	2.03	0.00	2.03

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	834	834	0		2050	991	84		7	0.44	28
		2	376	376	-1	✓	2050	991	38		137	0.48	28
		3	743	743	1		2050	991	75		20	0.58	28
		4	543	543	-1		2050	991	55		64	0.59	28
	Ac	1	734	734	-1		2263	867	85		6	1.28	22
		2	262	262	0		2263	745	35		156	1.63	22
		3	426	426	0	✓	2263	867	49		83	1.24	22
	Acf	1	996	996	-1		2263	2263	44		104	1.01	60
		2	426	426	0	✓	2263	2263	19		378	1.24	60
	Af	1	1210	1210	-1	✓	2050	2050	59		52	0.45	60
		2	743	743	1		2050	2050	36		148	0.58	60
		3	543	543	-1		2050	2050	26		240	0.59	60
	B	1	246	246	0		2050	376	65		38	0.00	10
		2	368	368	0		2150	394	93	✓	-4	0.00	10
		3	345	345	0		2100	378	91	✓	-2	0.00	10
		4	261	261	-1		2050	376	69		30	0.00	10
	Bc	1	725	725	-1	✓	2050	1333	54		65	0.88	38
		2	1024	1024	0	✓	2050	1326	77		17	0.69	38
		3	601	601	-1		2050	1318	46		97	1.02	38
	Bcf	1	1568	1568	-1		2263	2263	69		30	0.45	60
		2	725	725	-1	✓	2263	2263	32		181	0.88	60
		3	1024	1024	0	✓	2263	2263	45		99	0.69	60
		4	601	601	-1		2263	2263	27		239	1.02	60
	Bf	1	614	614	0		1800	1800	34		164	0.00	60
		2	606	606	-1		1800	1800	34		167	0.00	60
	C	1	460	460	0		2100	490	94	✓	-4	0.00	13
		2	391	391	0		2200	513	76		18	0.00	13
		3	142	142	0		2050	478	30		203	0.00	13
	Cf	1	460	460	0		1965	1965	23		284	0.00	60
		2	533	533	0		1965	1965	27		232	0.00	60
	D	1	260	260	0		2050	444	59		54	0.00	12
		2	315	315	0		1850	401	79		15	0.00	12
		3	350	350	0		2250	429	82		10	0.00	12
	Dc	1	758	758	0		2100	1362	56		62	0.72	38
		2	794	794	0		2100	1365	58		55	0.91	38
		3	287	287	0		2100	1365	21		328	1.17	38
		4	403	403	-1		2100	1365	30		205	1.48	38
	Dcf	1	1083	1083	0	✓	2050	2050	53		70	0.86	60
		2	1279	1279	0	✓	2100	2068	62		46	0.61	60
		3	794	794	0		2100	2100	38		138	0.91	60
		4	287	287	0		2100	2100	14		559	1.17	60
		5	403	403	-1		2100	2100	19		369	1.48	60
	Df	1	575	575	0		1900	1900	30		197	0.00	60
		2	350	350	0		2250	2250	16		479	0.00	60
	Dxp	1	1083	1083	0	✓	2050	1435	75		19	0.80	41
		2	521	521	0	✓	2050	1435	36		148	0.98	41
	Ec	1	553	553	0		2150	1290	43		110	1.02	35
		2	532	532	0		2263	1358	39		130	1.10	35
		3	518	518	-1		2263	1358	38		136	1.22	35
		4	274	274	-1		2250	1350	20		343	1.43	35
		1	850	850	0		2100	2042	42		116	0.75	60

16:30-17:30	Ecf	2	962	962	0		2100	2100	46		96	0.79	60
		3	532	532	0		2263	2255	24		282	1.10	60
		4	823	823	-1		2300	2300	36		152	1.19	60
	Ef	1	793	793	-1	✓	1900	1900	42		116	0.00	60
		2	584	584	0		1900	1900	31		193	0.00	60
	Exp	1	850	850	0		2050	1401	61		48	0.74	40
		2	409	409	0		2050	1401	29		208	1.11	40
	F	1	173	173	0		2100	385	45		100	0.00	10
		2	267	267	0		2100	385	69		30	0.00	10
		3	340	340	1		2100	385	88		2	0.00	10
	Fc	1	623	623	0		2263	1546	40		123	1.01	40
		2	609	609	-1		2263	1506	40		123	1.22	40
		3	779	779	-2	✓	2263	1536	51		77	1.25	40
	Ff	1	440	440	0		1900	1900	23		289	0.00	60
		2	340	340	1		1900	1900	18		403	0.00	60
	G	1	311	311	32	✓	2050	311	100	✓	-10	1.16	13
		2	272	272	0		2050	458	59		52	1.44	13
	Gf	1	307	307	32	✓	2050	1091	28		220	1.52	60
		2	245	245	0		2050	2044	12		651	1.50	60
	xA	1	706	706	0		2263	2211	32		182	0.98	60
		2	663	663	0		2263	2263	29		207	1.27	60
	xB	1	1568	1568	-1		Unrestricted	Unrestricted	0		Unrestricted	0.33	60
	xC	1	683	683	32	✓	1900	683	100	✓	-10	0.79	60
		2	617	617	-1	✓	1900	733	84		7	0.95	60
	xD	1	1083	1083	0	✓	Unrestricted	Unrestricted	0		Unrestricted	0.74	60
		2	521	521	0	✓	Unrestricted	Unrestricted	0		Unrestricted	0.85	60
	xE	1	850	850	0		Unrestricted	Unrestricted	0		Unrestricted	0.75	60
		2	409	409	0		Unrestricted	Unrestricted	0		Unrestricted	0.94	60
	xF	1	659	659	0		Unrestricted	Unrestricted	0		Unrestricted	0.64	60
	Cc1	1	717	717	-1	✓	2050	1122	64		41	0.93	32
	E1	1	288	288	0		2050	513	56		60	0.00	14
		2	505	505	-1	✓	2200	550	92	✓	-2	0.00	14
	Gf1	1	31	31	0		648	594	5		1624	1.50	60
	Cc2	2	996	996	0	✓	2150	1172	85		6	0.60	33
		3	625	625	0		2050	1162	54		67	1.05	33
		4	971	971	0	✓	2150	1218	80		13	0.64	33
		5	261	261	-1		2050	1162	22		301	1.63	33
	E2	3	339	307	0		2150	307	110	✓	-18	0.00	14
		4	245	245	0		2050	513	48		88	0.00	14
	TC5	2	649	649	0		2263	1509	43		109	0.97	38
		3	663	663	0		2263	1509	44		105	1.27	38
		4	0	0	0		0	0	0		-100	0.00	0
	TC9	1	1079	1079	-1	✓	1925	1348	80		12	0.00	39
		2	731	731	0		1966	1376	53		69	0.00	39
		3	402	402	0		1947	1363	29		205	0.00	39
	TC35	1	57	57	0		1900	1267	5		1900	0.80	38
	TC36	1	356	356	0		1800	1800	20		355	0.00	60
	TC37	1	72	72	0		1850	1418	5		1673	0.00	45
	TC38	1	72	72	0		455	455	16		469	0.47	60
	TC39	2	649	649	0		2263	2263	29		214	1.10	60
		3	663	663	0		2263	2263	29		207	1.30	60
	TC40	2	721	721	0		Unrestricted	Unrestricted	0		Unrestricted	0.89	60
		3	663	663	0		Unrestricted	Unrestricted	0		Unrestricted	1.13	60
	TC41	1	284	284	0		1850	370	77		17	0.00	11
	TC42	1	0	0	0		0	0	0		-100	0.00	0
	TC43	1	0	0	0		1800	1800	0		Unrestricted	0.00	60
	47	1	1300	1300	31	✓	1300	1300	100	✓	-10	0.00	60
	48	1	993	993	0		1965	1965	51		78	0.00	60

	49	1	1079	1079	-1	✓	1900	1900	57		58	0.00	60
		2	1133	1133	0		1900	1900	60		51	0.00	60
	50	1	1220	1220	-1		1900	1900	64		40	0.00	60
	51	1	780	780	1		1900	1900	41		119	0.00	60

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	18.57	4.30	61.10	65.50	546.28	17.53
		2	5.77	7.57	0.79	11.22	30.96	116.40	3.74
		3	5.90	13.85	2.86	40.58	61.53	457.17	14.67
		4	6.03	12.36	1.86	26.47	68.78	373.46	11.99
	Ac	1	7.19	29.39	5.99	85.10	72.29	530.62	17.03
		2	9.50	3.49	0.25	3.61	37.81	99.06	1.69
		3	6.60	5.72	0.68	9.62	47.29	201.43	6.47
	Acf	1	5.22	0.62	0.17	2.45	0.00	0.00	0.00
		2	7.24	0.18	0.02	0.31	0.00	0.00	0.00
	Af	1	6.42	1.26	0.42	6.02	0.00	0.00	0.00
		2	6.38	0.50	0.10	1.46	0.00	0.00	0.00
		3	6.36	0.32	0.05	0.68	0.00	0.00	0.00
	B	1	7.10	31.65	2.16	30.71	99.30	244.27	7.84
		2	7.29	69.27	7.08	100.56	151.42	557.24	17.89
		3	7.48	63.37	6.07	86.24	144.39	498.14	15.99
		4	12.29	33.55	2.43	34.54	105.27	274.74	3.44
	Bc	1	11.96	6.84	1.38	19.55	41.49	300.79	6.70
		2	11.83	9.45	2.69	38.18	52.06	533.06	11.88
		3	11.71	2.10	0.35	4.98	7.21	43.32	0.97
	Bcf	1	4.35	1.79	0.78	11.05	0.00	0.00	0.00
		2	5.39	0.37	0.08	1.07	0.00	0.00	0.00
		3	5.87	0.66	0.19	2.65	0.00	0.00	0.00
		4	6.33	0.29	0.05	0.68	0.00	0.00	0.00
	Bf	1	27.34	0.52	0.09	1.25	0.00	0.00	0.00
		2	27.41	0.51	0.09	1.21	0.00	0.00	0.00
	C	1	14.54	62.79	8.02	113.94	147.21	677.18	8.49
		2	14.68	32.44	3.52	50.02	105.26	411.58	5.16
		3	14.92	20.56	0.81	11.51	82.62	117.33	1.47
	Cf	1	17.35	0.28	0.04	0.51	0.00	0.00	0.00
		2	17.50	0.34	0.05	0.72	0.00	0.00	0.00
	D	1	4.13	26.75	1.93	27.43	90.88	236.29	7.58
		2	4.13	37.89	3.32	47.08	106.19	334.51	10.74
		3	3.97	40.00	3.89	55.22	111.90	391.65	12.57
	Dc	1	3.80	7.50	1.58	22.42	51.83	392.87	12.61
		2	3.65	5.36	1.18	16.80	37.88	300.73	9.65
		3	3.51	3.33	0.27	3.78	40.03	114.89	3.69
		4	3.36	4.45	0.50	7.07	38.33	154.48	4.96
	Dcf	1	4.95	0.98	0.30	4.19	0.00	0.00	0.00
		2	4.94	1.41	0.50	7.12	2.81	35.94	1.15
		3	5.40	0.52	0.11	1.63	0.00	0.00	0.00
		4	6.76	0.14	0.01	0.15	0.00	0.00	0.00
		5	5.02	0.20	0.02	0.32	0.00	0.00	0.00
	Df	1	24.00	0.41	0.07	0.93	0.00	0.00	0.00
		2	24.00	0.15	0.01	0.20	0.00	0.00	0.00
	Dxp	1	3.50	4.60	1.38	19.64	13.81	149.52	4.80
		2	3.65	0.78	0.11	1.61	1.88	9.80	0.31
	Ec	1	3.76	6.49	1.00	14.15	40.50	223.97	7.19
		2	3.63	8.56	1.26	17.96	66.20	352.20	11.31
		3	3.51	4.55	0.65	9.30	38.75	200.75	6.44
		4	3.44	13.45	1.02	14.53	95.60	261.93	8.41

16:30-17:30	Ecf	1	3.45	1.07	0.25	3.57	7.10	60.34	1.94
		2	3.48	0.72	0.19	2.75	0.00	0.00	0.00
		3	3.52	0.26	0.04	0.54	1.31	6.98	0.22
		4	3.97	0.44	0.10	1.41	0.00	0.00	0.00
	Ef	1	15.31	0.68	0.15	2.12	0.00	0.00	0.00
		2	15.31	0.42	0.07	0.97	0.00	0.00	0.00
	Exp	1	3.89	4.19	0.99	14.04	21.23	180.46	5.79
		2	4.03	0.53	0.06	0.85	0.00	0.00	0.00
	F	1	6.38	25.62	1.23	17.48	90.61	156.75	5.03
		2	6.43	33.25	2.47	35.02	101.49	270.97	8.70
		3	6.54	54.18	5.12	72.66	132.98	452.12	14.51
	Fc	1	19.10	1.25	0.22	3.07	11.89	74.06	1.23
		2	18.92	1.54	0.26	3.71	21.17	128.92	2.15
		3	19.67	5.62	1.22	17.26	76.89	598.99	9.14
	Ff	1	33.09	0.29	0.03	0.50	0.00	0.00	0.00
		2	33.05	0.21	0.02	0.28	0.00	0.00	0.00
	G	1	16.06	359.73	31.08	441.29	451.27	1403.44	23.95
		2	11.45	45.96	3.47	49.31	114.66	311.88	10.01
	Gf	1	2.92	20.11	1.71	24.35	88.70	272.31	8.74
		2	2.88	0.18	0.01	0.17	2.74	6.72	0.22
	xA	1	17.22	0.48	0.09	1.35	6.30	44.51	1.43
		2	17.25	0.33	0.06	0.86	0.00	0.00	0.00
	xB	1	5.79	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	8.67	123.27	23.39	332.09	137.99	942.46	30.25
		2	8.70	19.78	3.39	48.13	66.73	411.75	13.22
	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	6.54	14.05	2.80	39.73	74.05	530.93	20.92
	E1	1	6.00	24.11	1.93	27.39	85.64	246.65	7.92
		2	6.00	51.90	7.28	103.38	129.85	655.72	21.05
	Gf1	1	3.69	3.75	0.03	0.46	61.21	18.98	0.61
	Cc2	2	6.68	19.58	5.42	76.92	81.55	812.20	28.97
		3	7.10	11.49	2.00	28.33	80.68	504.25	15.38
		4	6.57	15.56	4.20	59.61	79.50	771.93	27.03
		5	7.98	13.35	0.97	13.74	104.55	272.88	6.08
	E2	3	4.00	246.42	23.20	329.50	298.35	915.93	29.40
		4	4.07	22.37	1.52	21.62	83.59	204.78	6.57
	TC5	2	2.76	3.58	0.65	9.17	23.07	149.69	1.88
		3	2.76	1.26	0.23	3.28	4.57	30.28	0.38
		4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	11.00	11.42	3.42	48.60	63.01	679.92	8.53
		2	11.05	5.78	1.17	16.66	42.77	312.67	3.92
		3	11.12	3.96	0.44	6.28	34.25	137.67	1.73
	TC35	1	2.90	3.26	0.05	0.73	26.76	15.25	0.19
	TC36	1	3.03	0.25	0.02	0.35	0.00	0.00	0.00
	TC37	1	3.19	1.82	0.04	0.52	23.45	16.88	0.59
	TC38	1	1.53	2.65	0.05	0.75	31.22	22.48	0.78
	TC39	2	2.54	0.32	0.06	0.82	0.00	0.00	0.00
		3	2.40	0.33	0.06	0.86	0.00	0.00	0.00
	TC40	2	4.23	0.00	0.00	0.00	0.00	0.00	0.00
		3	4.02	0.00	0.00	0.00	0.00	0.00	0.00
	TC41	1	3.93	38.05	3.00	42.63	107.36	304.90	10.62
	TC42	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC43	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	47	1	16.04	48.58	17.54	249.09	0.00	0.00	0.00

	48	1	6.61	0.93	0.26	3.66	0.00	0.00	0.00
	49	1	3.15	1.24	0.37	5.29	0.00	0.00	0.00
		2	3.15	1.40	0.44	6.24	0.00	0.00	0.00
	50	1	5.78	1.69	0.57	8.15	0.00	0.00	0.00
	51	1	4.50	0.66	0.14	2.03	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	11.47	12.96	88.47	0.00	0.00	
		2	0.00	2.48	13.37	18.58	0.00	0.00	
		3	0.00	10.82	13.67	79.17	0.00	0.00	
		4	0.00	7.63	13.97	54.62	0.00	0.00	
	Ac	1	0.00	11.51	16.66	69.07	0.00	2.00	
		2	0.00	3.78	16.06	23.52	0.00	15.25	
		3	0.00	7.32	15.30	47.86	0.00	3.00	
	Acf	1	0.00	0.17	12.10	1.43	0.00	28.00	
		2	0.00	0.02	12.25	0.18	0.00	35.00	
	Af	1	0.00	0.42	9.31	4.55	0.00	6.00	
		2	0.00	0.10	9.25	1.11	0.00	10.00	
		3	0.00	0.05	9.22	0.52	0.00	6.00	
	B	1	0.00	4.09	16.46	24.86	0.00	0.00	
		2	0.00	10.06	16.90	59.54	0.00	0.00	
		3	0.00	8.89	17.34	51.26	0.00	0.21	
		4	0.00	4.61	17.81	25.89	0.00	0.00	
	Bc	1	0.00	6.20	23.10	26.84	0.00	4.00	
		2	0.00	13.41	22.87	58.65	0.00	4.18	
		3	0.00	9.85	22.63	43.55	0.00	4.43	
	Bcf	1	0.00	0.78	10.90	7.14	0.00	10.00	
		2	0.00	0.08	10.98	0.69	0.00	20.00	
		3	0.00	0.19	10.84	1.72	0.00	11.00	
		4	0.00	0.05	10.83	0.44	0.00	21.00	
	Bf	1	0.00	0.09	39.62	0.22	0.00	0.00	
		2	0.00	0.09	39.73	0.21	0.00	0.00	
	C	1	0.00	12.38	21.07	58.75	0.00	0.00	
		2	0.00	7.06	21.28	33.18	0.00	0.00	
		3	0.00	1.96	21.63	9.04	0.00	0.00	
	Cf	1	0.00	0.04	25.15	0.14	0.00	0.00	
		2	0.00	0.05	25.37	0.20	0.00	0.00	
	D	1	0.00	3.95	9.57	41.27	0.00	0.00	
		2	0.00	6.01	9.57	62.85	0.00	0.00	
		3	0.00	6.69	9.20	72.71	0.00	1.55	
	Dc	1	0.00	6.63	8.81	75.24	0.00	1.07	
		2	0.00	5.19	8.47	61.29	0.00	0.00	
		3	0.00	2.35	8.14	28.85	0.00	21.00	
		4	0.00	2.55	7.80	32.76	0.00	26.00	
	Dcf	1	0.00	0.30	11.47	2.57	0.00	16.00	
		2	0.00	2.82	11.46	24.59	0.00	15.91	
		3	0.00	0.11	11.93	0.96	0.00	15.00	
		4	0.00	0.01	11.60	0.09	0.00	32.00	
		5	0.00	0.02	11.64	0.20	0.00	38.00	
	Df	1	0.00	0.07	34.78	0.19	0.00	0.00	
		2	0.00	0.01	34.78	0.04	0.00	0.00	
	Dxp	1	0.00	2.59	8.11	32.00	0.00	5.00	
		2	0.00	0.17	8.46	2.00	0.00	8.00	
	Ec	1	0.00	4.90	8.71	56.26	0.00	0.00	
		2	0.00	6.21	8.42	73.67	0.00	12.00	
		3	0.00	4.89	8.13	60.07	0.00	21.00	

16:30-17:30		4	0.00	4.67	7.99	58.53	0.00	28.00	
	Ecf	1	0.00	4.96	7.99	62.03	0.00	10.66	
		2	0.00	0.19	8.06	2.40	0.00	8.00	
		3	0.00	2.36	8.16	28.86	0.00	29.20	
		4	0.00	0.10	8.76	1.14	0.00	34.00	
	Ef	1	0.00	0.15	22.18	0.67	0.00	0.00	
		2	0.00	0.07	22.18	0.31	0.00	0.00	
	Exp	1	0.00	5.54	9.01	61.44	0.00	2.00	
		2	0.00	0.06	9.34	0.64	0.00	15.00	
	F	1	0.00	2.65	14.80	17.88	0.00	0.00	
		2	0.00	4.55	14.91	30.51	0.00	0.00	
		3	0.00	7.91	15.17	52.11	0.00	0.00	
	Fc	1	0.00	1.81	31.86	5.67	0.00	8.00	
		2	0.00	3.50	31.56	11.08	0.00	18.07	
		3	0.00	13.22	31.35	42.16	0.00	20.27	
	Ff	1	0.00	0.03	47.95	0.07	0.00	0.00	
		2	0.00	0.02	47.89	0.04	0.00	0.00	
	G	1	0.00	35.40	27.16	130.34	0.00	4.90	
		2	0.00	5.27	26.54	19.85	0.00	5.59	
	Gf	1	0.00	4.56	6.76	67.50	0.00	50.07	
		2	0.00	2.35	6.69	35.11	0.00	45.18	
	xA	1	0.00	2.39	39.94	5.99	0.00	17.39	
		2	0.00	0.06	39.99	0.15	0.00	30.00	
	xB	1	0.00	0.00	13.42	0.00	0.00	0.00	
	xC	1	0.00	30.25	20.10	150.48	0.00	38.43	
		2	0.00	9.12	20.17	45.20	0.00	39.84	
	xD	1	0.00	0.00	21.17	0.00	0.00	15.00	
		2	0.00	0.00	21.35	0.00	0.00	21.00	
	xE	1	0.00	0.00	30.24	0.00	0.00	14.00	
		2	0.00	0.00	30.23	0.00	0.00	20.00	
	xF	1	0.00	0.00	28.27	0.00	0.00	1.00	
	Cc1	1	0.00	11.02	16.67	66.09	0.00	4.17	
	E1	1	0.00	4.12	13.91	29.60	0.00	0.00	
		2	0.00	11.57	13.91	83.17	0.00	0.00	
	Gf1	1	0.00	0.45	8.57	5.28	0.00	53.57	
	Cc2	2	0.00	15.38	15.93	96.60	0.00	5.30	
		3	0.00	9.29	15.52	59.84	0.00	3.00	
		4	0.00	14.66	15.47	94.75	0.00	3.01	
		5	0.00	5.87	15.42	38.08	0.00	26.00	
	E2	3	0.00	25.69	9.27	277.30	0.00	6.43	
		4	0.00	3.42	9.45	36.16	0.00	0.00	
	TC5	2	0.00	2.50	4.01	62.31	0.00	8.00	
		3	0.00	0.51	4.00	12.62	0.00	14.00	
		4	0.00	0.00	4.25	0.00	0.00	0.00	
	TC9	1	0.00	12.06	15.95	75.64	0.00	0.00	
		2	0.00	5.26	16.02	32.83	0.00	0.00	
		3	0.00	2.30	16.12	14.24	0.00	0.00	
	TC35	1	0.00	0.25	4.20	6.05	0.00	13.00	
	TC36	1	0.00	0.02	4.39	0.56	0.00	0.00	
	TC37	1	0.00	0.28	7.71	3.65	0.00	0.00	
	TC38	1	0.00	2.43	3.71	65.55	0.00	14.00	
	TC39	2	0.00	0.06	6.13	0.94	0.00	28.00	
		3	0.00	0.06	5.79	1.05	0.00	34.00	
	TC40	2	0.00	0.00	10.22	0.00	0.00	14.00	
		3	0.00	0.00	9.71	0.00	0.00	28.00	
	TC41	1	0.00	5.16	9.50	54.28	0.00	0.00	
	TC42	1	0.00	0.00	4.06	0.00	0.00	0.00	
	TC43	1	0.00	0.00	9.00	0.00	0.00	60.00	

	47	1	0.00	17.54	23.24	75.48	0.00	0.00	
	48	1	0.00	0.26	9.59	2.69	0.00	0.00	
	49	1	0.00	0.37	4.56	8.16	0.00	0.00	
		2	0.00	0.44	4.56	9.62	0.00	0.00	
	50	1	0.00	0.57	8.37	6.85	0.00	0.00	
	51	1	0.00	0.14	6.52	2.19	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	✓	11.51	2.20	7.15	1.00	0.00	78.64
		2	0.00	0.00	✓	2.48	0.12	1.89	1.00	0.00	14.96
		3	0.00	0.00	✓	10.83	1.12	4.64	1.00	0.00	55.26
		4	0.00	0.00	✓	7.63	0.33	4.55	1.00	0.00	38.45
	Ac	1	0.00	0.00	✓	11.56	2.27	8.46	1.00	0.00	102.13
		2	0.00	0.00	✓	3.78	0.10	0.67	1.00	0.00	5.30
		3	0.00	0.00	✓	7.32	0.24	2.06	1.00	0.00	16.09
	Acf	1	0.00	0.00	✓	0.17			1.00	0.00	2.45
		2	0.00	0.00	✓	0.02			1.00	0.00	0.31
	Af	1	0.00	0.00	✓	0.42			1.00	0.00	6.02
		2	0.00	0.00	✓	0.10			1.00	0.00	1.46
		3	0.00	0.00	✓	0.05			1.00	0.00	0.68
	B	1	0.00	0.00	✓	4.10	0.61	4.03	1.00	0.00	38.55
		2	0.00	0.00	✓	10.75	5.30	10.51	1.00	0.00	118.44
		3	0.00	0.00	✓	9.31	4.19	9.07	1.00	0.00	102.23
		4	0.00	0.00	✓	4.62	0.78	4.48	1.00	0.00	37.98
	Bc	1	0.00	0.00	✓	6.20	0.32	3.49	1.00	0.00	26.26
		2	0.00	0.00	✓	13.42	1.30	4.34	1.00	0.00	50.07
		3	0.00	0.00	✓	9.85	0.19	0.69	1.00	0.00	5.94
	Bcf	1	0.00	0.00	✓	0.78			1.00	0.00	11.05
		2	0.00	0.00	✓	0.08			1.00	0.00	1.07
		3	0.00	0.00	✓	0.19			1.00	0.00	2.65
		4	0.00	0.00	✓	0.05			1.00	0.00	0.68
	Bf	1	0.00	0.00	✓	0.09			1.00	0.00	1.25
		2	0.00	0.00	✓	0.09			1.00	0.00	1.21
	C	1	0.00	0.00	✓	13.12	5.87	12.26	1.00	0.00	122.43
		2	0.00	0.00	✓	7.08	1.20	6.52	1.00	0.00	55.18
		3	0.00	0.00	✓	1.96	0.06	1.92	1.00	0.00	12.99
	Cf	1	0.00	0.00	✓	0.04			1.00	0.00	0.51
		2	0.00	0.00	✓	0.05			1.00	0.00	0.72
	D	1	0.00	0.00	✓	3.95	0.41	3.88	1.00	0.00	35.02
		2	0.00	0.00	✓	6.04	1.41	5.61	1.00	0.00	57.81
		3	0.00	0.00	✓	6.74	1.74	6.48	1.00	0.00	67.79
	Dc	1	0.00	0.00	✓	6.63	0.35	6.45	1.00	0.00	35.03
		2	0.00	0.00	✓	5.19	0.40	4.86	1.00	0.00	26.45
		3	0.00	0.00	✓	2.35	0.03	1.91	1.00	0.00	7.46
		4	0.00	0.00	✓	2.55	0.06	2.37	1.00	0.00	12.03
	Dcf	1	0.00	0.00	✓	0.30			1.00	0.00	4.19
		2	0.00	0.00	✓	2.82			1.00	0.00	8.27
		3	0.00	0.00	✓	0.11			1.00	0.00	1.63
		4	0.00	0.00	✓	0.01			1.00	0.00	0.15
		5	0.00	0.00	✓	0.02			1.00	0.00	0.32
	Df	1	0.00	0.00	✓	0.07			1.00	0.00	0.93
		2	0.00	0.00	✓	0.01			1.00	0.00	0.20
	Dxp	1	0.00	0.00	✓	2.60	1.15	2.59	1.00	0.00	24.44
		2	0.00	0.00	✓	0.17	0.10	0.17	1.00	0.00	1.92
		1	0.00	0.00	✓	4.90	0.16	3.10	1.00	0.00	21.34

16:30-17:30	Ec	2	0.00	0.00	✓	6.21	0.13	4.60	1.00	0.00	29.27
		3	0.00	0.00	✓	4.89	0.12	2.35	1.00	0.00	15.74
		4	0.00	0.00	✓	4.67	0.03	4.27	1.00	0.00	22.94
	Ecf	1	0.00	0.00	✓	4.96			1.00	0.00	5.51
		2	0.00	0.00	✓	0.19			1.00	0.00	2.75
		3	0.00	0.00	✓	2.36			1.00	0.00	0.76
		4	0.00	0.00	✓	0.10			1.00	0.00	1.41
	Ef	1	0.00	0.00	✓	0.15			1.00	0.00	2.12
		2	0.00	0.00	✓	0.07			1.00	0.00	0.97
	Exp	1	0.00	0.00	✓	5.54	0.47	2.00	1.00	0.00	19.84
		2	0.00	0.00	✓	0.06	0.06	0.06	1.00	0.00	0.85
	F	1	0.00	0.00	✓	2.65	0.18	2.57	1.00	0.00	22.51
		2	0.00	0.00	✓	4.56	0.77	4.48	1.00	0.00	43.72
		3	0.00	0.00	✓	8.11	3.07	7.86	1.00	0.00	87.17
	Fc	1	0.00	0.00	✓	1.81	0.14	1.23	1.00	0.00	4.31
		2	0.00	0.00	✓	3.50	0.14	1.40	1.00	0.00	5.85
		3	0.00	0.00	✓	13.22	0.26	5.70	1.00	0.00	26.40
	Ff	1	0.00	0.00	✓	0.03			1.00	0.00	0.50
		2	0.00	0.00	✓	0.02			1.00	0.00	0.28
	G	1	0.00	0.00		39.04	31.32	38.40	1.00	0.00	465.24
		2	0.00	0.00		5.27	0.43	4.96	1.00	0.00	59.32
	Gf	1	0.00	0.00		4.56			1.00	0.00	33.09
		2	0.00	0.00		2.35			1.00	0.00	0.39
	xA	1	0.00	0.00	✓	2.39			1.00	0.00	2.77
		2	0.00	0.00	✓	0.06			1.00	0.00	0.86
	xB	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	xC	1	0.00	0.00		35.66			1.00	0.00	362.35
		2	0.00	0.00		9.17			1.00	0.00	61.35
	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	✓	11.02	0.56	5.80	1.00	0.00	60.65
	E1	1	0.00	0.00	✓	4.12	0.36	4.04	1.00	0.00	35.31
		2	0.00	0.00	✓	11.96	4.59	11.20	1.00	0.00	124.43
	Gf1	1	0.00	0.00		0.45			1.00	0.00	1.07
	Cc2	2	0.00	0.00	✓	15.42	2.37	9.38	1.00	0.00	105.89
		3	0.00	0.00	✓	9.29	0.31	6.06	1.00	0.00	43.72
		4	0.00	0.00	✓	14.67	1.55	8.19	1.00	0.00	86.64
		5	0.00	0.00	✓	5.87	0.03	4.37	1.00	0.00	19.83
	E2	3	0.00	0.00		42.12	37.95	41.90	1.00	0.00	358.90
		4	0.00	0.00	✓	3.42	0.22	3.35	1.00	0.00	28.19
	TC5	2	0.00	0.00	✓	2.50	0.16	2.50	1.00	0.00	11.05
		3	0.00	0.00	✓	0.51	0.17	0.51	1.00	0.00	3.66
		4	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC9	1	0.00	0.00	✓	12.08	1.59	8.17	1.00	0.00	57.12
		2	0.00	0.00	✓	5.26	0.30	4.39	1.00	0.00	20.58
		3	0.00	0.00	✓	2.30	0.06	2.18	1.00	0.00	8.01
	TC35	1	0.00	0.00	✓	0.25	0.00	0.25	1.00	0.00	0.92
	TC36	1	0.00	0.00	✓	0.02			1.00	0.00	0.35
	TC37	1	0.00	0.00	✓	0.28	0.00	0.28	1.00	0.00	1.10
	TC38	1	0.00	0.00	✓	2.43			1.00	0.00	1.53
	TC39	2	0.00	0.00	✓	0.06			1.00	0.00	0.82
		3	0.00	0.00	✓	0.06			1.00	0.00	0.86
	TC40	2	0.00	0.00	✓	0.00			1.00	0.00	0.00
		3	0.00	0.00	✓	0.00			1.00	0.00	0.00
	TC41	1	0.00	0.00	✓	5.18	1.24	5.10	1.00	0.00	53.25

	TC42	1	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC43	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	47	1	0.00	0.00		25.00			1.00	0.00	249.09
	48	1	0.00	0.00	✓	0.26			1.00	0.00	3.66
	49	1	0.00	0.00	✓	0.37			1.00	0.00	5.29
		2	0.00	0.00	✓	0.44			1.00	0.00	6.24
	50	1	0.00	0.00	✓	0.57			1.00	0.00	8.15
	51	1	0.00	0.00	✓	0.14			1.00	0.00	2.03

Pedestrian Crossing Results

Pedestrian Crossings: Pedestrian summary

Time Segment	Crossing	Side	Degree of saturation (%)	Calculated Flow Entering (Ped/hr)	Calculated sat flow (Ped/hr)	Actual green (s (per cycle))	Mean Delay Per Ped (s)	Mean max queue (Ped)	Weighted cost of delay (£ per hr)	Performance Index (£ per hr)
16:30-17:30	1	1	0	0	11000	7	0.00	0.00	0.00	0.00
		2	0	0	11000	7	0.00	0.00	0.00	0.00
	2	1	0	0	11000	36	0.00	0.00	0.00	0.00
		2	0	0	11000	36	0.00	0.00	0.00	0.00
	3	1	0	0	11000	8	0.00	0.00	0.00	0.00
		2	0	0	11000	8	0.00	0.00	0.00	0.00
	4	1	0	0	11000	34	0.00	0.00	0.00	0.00
		2	0	0	11000	34	0.00	0.00	0.00	0.00
	5	1	0	0	11000	34	0.00	0.00	0.00	0.00
		2	0	0	11000	34	0.00	0.00	0.00	0.00
	6	1	0	0	0	0	0.00	0.00	0.00	0.00
		2	0	0	0	0	0.00	0.00	0.00	0.00
	7	1	0	0	11000	34	0.00	0.00	0.00	0.00
		2	0	0	11000	34	0.00	0.00	0.00	0.00
	8	1	0	0	11000	34	0.00	0.00	0.00	0.00
		2	0	0	11000	34	0.00	0.00	0.00	0.00
	9	1	0	0	11000	10	0.00	0.00	0.00	0.00
		2	0	0	11000	10	0.00	0.00	0.00	0.00
	10	1	0	0	11000	15	0.00	0.00	0.00	0.00
		2	0	0	11000	15	0.00	0.00	0.00	0.00
	11	1	0	0	11000	30	0.00	0.00	0.00	0.00
		2	0	0	11000	30	0.00	0.00	0.00	0.00
	12	1	0	0	11000	30	0.00	0.00	0.00	0.00
		2	0	0	11000	30	0.00	0.00	0.00	0.00
	13	1	0	0	11000	11	0.00	0.00	0.00	0.00
		2	0	0	11000	11	0.00	0.00	0.00	0.00
	14	1	0	0	11000	39	0.00	0.00	0.00	0.00
		2	0	0	11000	39	0.00	0.00	0.00	0.00
	15	1	0	0	0	0	0.00	0.00	0.00	0.00
		2	0	0	0	0	0.00	0.00	0.00	0.00
	16	1	0	0	11000	9	0.00	0.00	0.00	0.00
		2	0	0	11000	9	0.00	0.00	0.00	0.00
	17	1	0	0	11000	5	0.00	0.00	0.00	0.00
		2	0	0	11000	5	0.00	0.00	0.00	0.00

Pedestrian Crossings: Flows and signals

Time Segment	Crossing	Side	Calculated flow entering (Ped/hr)	Calculated flow out (Ped/hr)	Flow discrepancy (Ped/hr)	Adjusted flow warning	Calculated sat flow (Ped/hr)	Calculated capacity (Ped/hr)	Degree of saturation (%)	DOS Threshold exceeded	Practical reserve capacity	Mean modulus of error	Actual green (s (per cycle))
16:30-17:30	1	1	0	0	0		11000	1833	0		Unrestricted	0.00	7
		2	0	0	0		11000	1833	0		Unrestricted	0.00	7
	2	1	0	0	0		11000	7150	0		Unrestricted	0.00	36
		2	0	0	0		11000	7150	0		Unrestricted	0.00	36
	3	1	0	0	0		11000	2017	0		Unrestricted	0.00	8
		2	0	0	0		11000	2017	0		Unrestricted	0.00	8
	4	1	0	0	0		11000	6783	0		Unrestricted	0.00	34
		2	0	0	0		11000	6783	0		Unrestricted	0.00	34
	5	1	0	0	0		11000	6783	0		Unrestricted	0.00	34
		2	0	0	0		11000	6783	0		Unrestricted	0.00	34
	6	1	0	0	0		0	0	0		-100	0.00	0
		2	0	0	0		0	0	0		-100	0.00	0
	7	1	0	0	0		11000	6783	0		Unrestricted	0.00	34
		2	0	0	0		11000	6783	0		Unrestricted	0.00	34
	8	1	0	0	0		11000	6783	0		Unrestricted	0.00	34
		2	0	0	0		11000	6783	0		Unrestricted	0.00	34
	9	1	0	0	0		11000	2383	0		Unrestricted	0.00	10
		2	0	0	0		11000	2383	0		Unrestricted	0.00	10
	10	1	0	0	0		11000	3300	0		Unrestricted	0.00	15
		2	0	0	0		11000	3300	0		Unrestricted	0.00	15
	11	1	0	0	0		11000	6050	0		Unrestricted	0.00	30
		2	0	0	0		11000	6050	0		Unrestricted	0.00	30
	12	1	0	0	0		11000	6050	0		Unrestricted	0.00	30
		2	0	0	0		11000	6050	0		Unrestricted	0.00	30
	13	1	0	0	0		11000	2567	0		Unrestricted	0.00	11
		2	0	0	0		11000	2567	0		Unrestricted	0.00	11
	14	1	0	0	0		11000	7700	0		Unrestricted	0.00	39
		2	0	0	0		11000	7700	0		Unrestricted	0.00	39
	15	1	0	0	0		0	0	0		-100	0.00	0
		2	0	0	0		0	0	0		-100	0.00	0
	16	1	0	0	0		11000	2200	0		Unrestricted	0.00	9
		2	0	0	0		11000	2200	0		Unrestricted	0.00	9
	17	1	0	0	0		11000	1467	0		Unrestricted	0.00	5
		2	0	0	0		11000	1467	0		Unrestricted	0.00	5

Pedestrian Crossings: Stops and delays

Time Segment	Crossing	Side	Mean Cruise Time per Ped (s)	Mean Delay per Ped (s)	Total delay (Ped-hr/hr)	Weighted cost of delay (£ per hr)
16:30-17:30	(ALL)	(ALL)	1.00	0.00	0.00	0.00

Pedestrian Crossings: Queues and blocking

Time Segment	Crossing	Side	Mean max queue (Ped)	Max queue storage (Ped)	Utilised storage (%)	Excess queue penalty (£ per hr)
16:30-17:30	(ALL)	(ALL)	0.00	10.00	0.00	0.00

Pedestrian Crossings: Advanced

Time Segment	Crossing	Side	Degree of saturation penalty (£ per hr)	Ped gap accepting penalty (£ per hr)	Mean Max Queue EoTS (Ped)	Ped Factor	Cost of traffic penalties (£ per hr)	Performance Index (£ per hr)
16:30-17:30	(ALL)	(ALL)	0.00	0.00	0.00	1.00	0.00	0.00

Network Results

Run Summary

Analysis set used	Run start time	Run finish time	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Ite wit wor over PR
2	02/07/2021 14:55:47	02/07/2021 14:56:00	16:30	60	3792.58	226.00	110.42	E2/3	8	5	TC5/4	xC/1	TC5

Network Results: Vehicle summary

Time Segment	Degree of saturation (%)	Practical reserve capacity (%)	Calculated flow entering (PCU/hr)	Actual green (s (per cycle))	Mean Delay per Veh (s)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Performance Index (£ per hr)
16:30-17:30	110	-100	66761	4784	12.19	3209.13	583.45	3792.58

Network Results: Pedestrian summary

Time Segment	Degree of saturation (%)	Calculated Flow Entering (Ped/hr)	Actual green (s (per cycle))	Mean Delay Per Ped (s)	Weighted cost of delay (£ per hr)	Performance Index (£ per hr)
16:30-17:30	0	0	672	0.00	0.00	0.00

Network Results: Flows and signals

Time Segment	Calculated flow entering (PCU/hr)	Calculated flow out (PCU/hr)	Flow discrepancy (PCU/hr)	Adjusted flow warning	Degree of saturation (%)	DOS Threshold exceeded	Practical reserve capacity (%)	Actual green (s (per cycle))
16:30-17:30	66761	66729	106	✓	110	✓	-100	5456

Network Results: Stops and delays

Time Segment	Mean Cruise Time per Veh (s)	Mean Delay per Veh (s)	Total delay (PCU-hr/hr)	Weighted cost of delay (£ per hr)	Mean stops per Veh (%)	Total stops (Stops per hr)	Weighted cost of stops (£ per hr)
16:30-17:30	8.32	12.19	226.00	3209.13	31.70	21068.24	583.45

Network Results: Queues and blocking

Time Segment	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))
16:30-17:30	277.30	0.00	1182.69

Network Results: Advanced

Time Segment	Degree of saturation penalty (£ per hr)	Ped gap accepting penalty (£ per hr)	Warmed up	PCU Factor	Cost of traffic penalties (£ per hr)	Controller stream penalties (£ per hr)	Performance Index (£ per hr)
16:30-17:30	0.00	0.00		1.00	0.00	0.00	3792.58

Point to Point Journey Time

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	208.1	246.5	143.7	162.4	171.2	190.5	178.8	0.0
	B28	186.1	0.0	134.4	117.5	142.8	142.5	144.7	0.0
	C28	183.5	286.0	0.0	91.0	91.6	129.0	136.8	0.0
	D28	122.3	296.8	199.3	0.0	209.0	101.8	110.7	0.0
	E28	142.0	582.0	204.5	58.3	0.0	91.8	99.8	0.0
	F28	97.6	314.5	139.0	141.0	145.5	0.0	16.7	0.0
	G28	69.8	231.2	113.6	109.5	116.8	142.6	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	255	183.55	255	183.55

24	C28	C28	0	0.00	0	0.00
25	C28	C28	0	0.00	0	0.00
32	C28	E28	92	91.56	92	91.56
36	C28	E28	0	0.00	0	0.00
41	E28	A28	419	143.99	419	143.99
42	E28	C28	43	207.42	43	207.42
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	168	90.98	168	90.98
50	E28	D28	106	58.29	106	58.29
68	E28	G28	85	100.25	85	100.25
86	F28	D28	78	141.02	78	141.02
91	C28	F28	8	128.97	8	128.97
92	E28	F28	6	91.83	6	91.83
96	A28	C28	71	167.65	71	167.65
97	G28	D28	0	0.00	0	0.00
98	G28	E28	0	0.00	0	0.00
99	C28	B28	27	232.03	27	232.03
100	E28	B28	245	196.48	245	196.48
101	E28	E28	0	0.00	0	0.00
102	A28	C28	198	130.19	198	130.19
103	F28	B28	0	0.00	0	0.00
104	C28	G28	196	136.75	196	136.75
105	D28	H28	0	0.00	0	0.00
106	G28	C28	460	117.51	460	117.51
107	A28	B28	24	194.61	24	194.61
108	B28	G28	125	139.84	125	139.84
109	C28	G28	64	136.57	64	136.57
110	E28	G28	67	99.20	67	99.20
111	B28	G28	19	149.91	19	149.91
112	F28	G28	72	16.69	72	16.69
113	F28	A28	99	97.55	99	97.55
114	C28	H28	0	0.00	0	0.00
115	B28	C28	4	131.26	4	131.26
116	F28	C28	6	151.78	6	151.78
117	H28	H28	0	0.00	0	0.00
118	F28	C28	35	134.57	35	134.57
119	F28	E28	14	149.43	14	149.43
120	F28	E28	14	141.63	14	141.63
121	A28	A28	2	207.54	2	207.54
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	6	143.58	6	143.58
130	G28	C28	188	111.76	188	111.76
131	G28	E28	72	126.62	72	126.62
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	1	213.53	1	213.53
140	D28	D28	0	0.00	0	0.00
141	D28	E28	1	211.92	1	211.92
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	0	0.00	0	0.00
148	F28	D28	0	0.00	0	0.00
149	C28	B28	4	650.10	4	650.10
150	E28	B28	339	860.58	339	860.58
151	B28	A28	0	0.00	0	0.00
152	H28	B28	0	0.00	0	0.00
153	F28	B28	26	314.51	26	314.51
154	E28	A28	24	106.65	24	106.65
155	E28	C28	0	0.00	0	0.00
156	C28	G28	60	137.39	60	137.39
157	H28	B28	0	0.00	0	0.00
158	B28	D28	164	117.50	164	117.50
159	B28	E28	108	115.78	108	115.78
160	B28	G28	93	150.25	93	150.25
161	B28	F28	7	142.47	7	142.47
162	B28	H28	0	0.00	0	0.00
163	B28	A28	17	186.11	17	186.11
164	B28	B28	0	0.00	0	0.00
165	B28	B28	0	0.00	0	0.00
166	B28	C28	87	134.56	87	134.56
167	B28	E28	369	150.76	369	150.76
168	G28	A28	735	69.84	735	69.84
169	G28	B28	147	284.01	147	284.01
170	G28	B28	147	178.29	147	178.29
171	G28	H28	0	0.00	0	0.00
175	G28	C28	110	100.45	110	100.45
176	G28	E28	105	115.32	105	115.32
177	G28	D28	120	107.82	120	107.82
178	G28	E28	57	106.92	57	106.92
181	G28	G28	0	0.00	0	0.00
185	A28	B28	24	298.38	24	298.38
186	A28	C28	59	160.18	59	160.18
187	A28	E28	185	177.55	185	177.55
195	D28	G28	140	110.95	140	110.95
196	D28	F28	13	101.78	13	101.78
197	D28	G28	20	109.22	20	109.22
198	D28	A28	5	122.25	5	122.25
199	D28	B28	131	343.16	131	343.16
200	D28	B28	131	239.03	131	239.03
201	D28	C28	162	202.01	162	202.01
204	D28	C28	45	191.84	45	191.84
205	D28	E28	12	209.12	12	209.12
206	D28	D28	0	0.00	0	0.00
207	D28	E28	1	200.56	1	200.56
210	A28	G28	257	167.74	257	167.74
211	A28	H28	0	0.00	0	0.00
212	A28	D28	12	162.44	12	162.44
213	A28	E28	175	163.04	175	163.04
214	G28	G28	0	0.00	0	0.00
215	G28	F28	10	142.60	10	142.60

218	A28	G28	135	198.33	135	198.33
219	A28	F28	13	190.55	13	190.55
220	H28	F28	0	0.00	0	0.00
221	F28	F28	0	0.00	0	0.00
222	A28	D28	0	0.00	0	0.00
223	A28	E28	53	176.29	53	176.29
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	197.99	10	197.99
232	A28	H28	0	0.00	0	0.00
233	B28	H28	0	0.00	0	0.00
234	C28	G28	41	136.42	41	136.42
235	E28	G28	0	0.00	0	0.00
236	E28	H28	0	0.00	0	0.00
237	F28	H28	0	0.00	0	0.00
238	D28	B28	44	365.37	44	365.37
239	D28	B28	43	261.44	43	261.44
240	G28	C28	50	112.78	50	112.78
241	E28	C28	0	0.00	0	0.00
242	H28	C28	0	0.00	0	0.00
243	G28	D28	11	128.42	11	128.42
244	G28	E28	0	0.00	0	0.00
245	C28	C28	0	0.00	0	0.00
246	E28	C28	43	201.60	43	201.60
247	E28	E28	0	0.00	0	0.00
248	D28	C28	31	195.81	31	195.81
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	6	146.06	6	146.06
253	F28	E28	0	0.00	0	0.00
254	A28	A28	2	208.76	2	208.76
255	C28	A28	0	0.00	0	0.00
256	C28	C28	0	0.00	0	0.00
257	C28	H28	0	0.00	0	0.00
258	C28	A28	10	181.73	10	181.73
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	834	2050	28	0.00	84	7	24.16	18.57	65.50	11.47
	2	(untitled)	6	771-2	E	376	2050	28	0.00	38	137	13.33	7.57	30.96	2.48
	3	(untitled)	6	771-2	E	743	2050	28	0.00	75	20	19.74	13.85	61.53	10.82
	4	(untitled)	6	771-2	E	543	2050	28	0.00	55	64	18.38	12.36	68.78	7.63
Ac	1	(untitled)	6	771-2	D	734	2263	22	2.00	85	6	36.58	29.39	72.29	11.51
	2	(untitled)	6	771-2	D	262	2263	22	15.25	35	156	12.99	3.49	37.81	3.78
	3	(untitled)	6	771-2	D	426	2263	22	3.00	49	83	12.32	5.72	47.29	7.32
Acf	1	(untitled)	6			996	2263	60	28.00	44	104	5.84	0.62	0.00	0.17
	2	(untitled)	6			426	2263	60	35.00	19	378	7.43	0.18	0.00	0.02
Af	1	(untitled)	6			1210	2050	60	6.00	59	52	7.69	1.26	0.00	0.42
	2	(untitled)	6			743	2050	60	10.00	36	148	6.88	0.50	0.00	0.10
	3	(untitled)	6			543	2050	60	6.00	26	240	6.68	0.32	0.00	0.05
B	1	(untitled)	1	769-1	B	246	2050	10	0.00	65	38	38.75	31.65	99.30	4.09
	2	(untitled)	1	769-1	B	368	2150	10	0.00	93	-4	76.56	69.27	151.42	10.06
	3	(untitled)	1	769-1	B	345	2100	10	0.21	91	-2	70.85	63.37	144.39	8.89
	4	(untitled)	1	769-1	B	261	2050	10	0.00	69	30	45.84	33.55	105.27	4.61
Bc	1	(untitled)	1	769-1	A	725	2050	38	4.00	54	65	18.79	6.84	41.49	6.20
	2	(untitled)	1	769-1	A	1024	2050	38	4.18	77	17	21.29	9.45	52.06	13.41
Bcf	1	(untitled)	1			1568	2263	60	10.00	69	30	6.14	1.79	0.00	0.78
	2	(untitled)	1			725	2263	60	20.00	32	181	5.76	0.37	0.00	0.08
	3	(untitled)	1			1024	2263	60	11.00	45	99	6.53	0.66	0.00	0.19
	4	(untitled)	1			601	2263	60	21.00	27	239	6.62	0.29	0.00	0.05
Bf	1	(untitled)	1			614	1800	60	0.00	34	164	27.85	0.52	0.00	0.09
	2	(untitled)	1			606	1800	60	0.00	34	167	27.92	0.51	0.00	0.09
C	1	(untitled)	2	769-2	G	460	2100	13	0.00	94	-4	77.33	62.79	147.21	12.38
	2	(untitled)	2	769-2	G	391	2200	13	0.00	76	18	47.12	32.44	105.26	7.06
	3	(untitled)	2	769-2	G	142	2050	13	0.00	30	203	35.48	20.56	82.62	1.96
Cf	1	(untitled)	2			460	1965	60	0.00	23	284	17.63	0.28	0.00	0.04
	2	(untitled)	2			533	1965	60	0.00	27	232	17.84	0.34	0.00	0.05
D	1	(untitled)	3	770-1	B	260	2050	12	0.00	59	54	30.88	26.75	90.88	3.95
	2	(untitled)	3	770-1	B	315	1850	12	0.00	79	15	42.01	37.89	106.19	6.01
	3	(untitled)	3	770-1	B	350	2250	12	1.55	82	10	43.96	40.00	111.90	6.69
Dc	1	(untitled)	3	770-1	A	758	2100	38	1.07	56	62	11.30	7.50	51.83	6.63
	2	(untitled)	3	770-1	A	794	2100	38	0.00	58	55	9.02	5.36	37.88	5.19
	3	(untitled)	3	770-1	A	287	2100	38	21.00	21	328	6.84	3.33	40.03	2.35
	4	(untitled)	3	770-1	A	403	2100	38	26.00	30	205	7.81	4.45	38.33	2.55
Dcf	1	(untitled)	3			1083	2050	60	16.00	53	70	5.93	0.98	0.00	0.30
	2	(untitled)	3			1279	2100	60	15.91	62	46	6.36	1.41	2.81	2.82
	3	(untitled)	3			794	2100	60	15.00	38	138	5.92	0.52	0.00	0.11
	4	(untitled)	3			287	2100	60	32.00	14	559	6.90	0.14	0.00	0.01
	5	(untitled)	3			403	2100	60	38.00	19	369	5.22	0.20	0.00	0.02
Df	1	(untitled)	3-2			575	1900	60	0.00	30	197	24.41	0.41	0.00	0.07
	2	(untitled)	3-2			350	2250	60	0.00	16	479	24.15	0.15	0.00	0.01
Dxp	1	(untitled)	3-2	770-2	D	1083	2050	41	5.00	75	19	8.09	4.60	13.81	2.59
	2	(untitled)	3-2	770-2	D	521	2050	41	8.00	36	148	4.43	0.78	1.88	0.17
Ec	1	(untitled)	4	770-3	F	553	2150	35	0.00	43	110	10.24	6.49	40.50	4.90
	2	(untitled)	4	770-3	F	532	2263	35	12.00	39	130	12.19	8.56	66.20	6.21
	3	(untitled)	4	770-3	F	518	2263	35	21.00	38	136	8.06	4.55	38.75	4.89
	4	(untitled)	4	770-3	F	274	2250	35	28.00	20	343	16.89	13.45	95.60	4.67
Ecf	1	(untitled)	4			850	2100	60	10.66	42	116	4.51	1.07	7.10	4.96
	2	(untitled)	4			962	2100	60	8.00	46	96	4.20	0.72	0.00	0.19
	3	(untitled)	4			532	2263	60	29.20	24	282	3.78	0.26	1.31	2.36
	4	(untitled)	4			823	2300	60	34.00	36	152	4.41	0.44	0.00	0.10

Ef	**1**	(untitled)	4			793	1900	60	0.00	42	116	15.98	0.68	0.00	0.15
	2	(untitled)	4			584	1900	60	0.00	31	193	15.73	0.42	0.00	0.07
Exp	**1**	(untitled)	4-2	770-4	L	850	2050	40	2.00	61	48	8.08	4.19	21.23	5.54
	2	(untitled)	4-2	770-4	L	409	2050	40	15.00	29	208	4.56	0.53	0.00	0.06
F	**1**	(untitled)	5	771-1	B	173	2100	10	0.00	45	100	32.00	25.62	90.61	2.65
	2	(untitled)	5	771-1	B	267	2100	10	0.00	69	30	39.68	33.25	101.49	4.55
	3	(untitled)	5	771-1	B	340	2100	10	0.00	88	2	60.72	54.18	132.98	7.91
Fc	**1**	(untitled)	5	771-1	A	623	2263	40	8.00	40	123	20.35	1.25	11.89	1.81
	2	(untitled)	5	771-1	A	609	2263	40	18.07	40	123	20.47	1.54	21.17	3.50
	3	(untitled)	5	771-1	A	779	2263	40	20.27	51	77	25.29	5.62	76.89	13.22
Ff	**1**	(untitled)	5			440	1900	60	0.00	23	289	33.37	0.29	0.00	0.03
	2	(untitled)	5			340	1900	60	0.00	18	403	33.25	0.21	0.00	0.02
G	**1**	(untitled)	2	769-2	F	311 <	2050	13	4.90	100	-10	375.79	359.73	451.27	35.40 +
	2	(untitled)	2	769-2	F	272	2050	13	5.59	59	52	57.40	45.96	114.66	5.27
Gf	**1**	(untitled)	4			307	2050	60	50.07	28	220	23.03	20.11	88.70	4.56
	2	(untitled)	4			245	2050	60	45.18	12	651	3.06	0.18	2.74	2.35
xA	**1**	(untitled)	10			706	2263	60	17.39	32	182	17.71	0.48	6.30	2.39
	2	(untitled)	10			663	2263	60	30.00	29	207	17.58	0.33	0.00	0.06
xB	**1**	(untitled)				1568	Unrestricted	60	0.00	0	Unrestricted	5.79	0.00	0.00	0.00
xC	**1**	(untitled)				683 <	1900	60	38.43	100	-10	131.94	123.27	137.99	30.25 +
	2	(untitled)				617	1900	60	39.84	84	7	28.47	19.78	66.73	9.12
xD	**1**	(untitled)				1083	Unrestricted	60	15.00	0	Unrestricted	9.13	0.00	0.00	0.00
	2	(untitled)				521	Unrestricted	60	21.00	0	Unrestricted	9.21	0.00	0.00	0.00
xE	**1**	(untitled)				850	Unrestricted	60	14.00	0	Unrestricted	13.04	0.00	0.00	0.00
	2	(untitled)				409	Unrestricted	60	20.00	0	Unrestricted	13.04	0.00	0.00	0.00
xF	**1**	(untitled)				659	Unrestricted	60	1.00	0	Unrestricted	12.19	0.00	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	717	2050	32	4.17	64	41	20.59	14.05	74.05	11.02
E1	**1**	(untitled)	4	770-3	G	288	2050	14	0.00	56	60	30.11	24.11	85.64	4.12
	2	(untitled)	4	770-3	G	505	2200	14	0.00	92	-2	57.90	51.90	129.85	11.57
Gf1	**1**	(untitled)	4			31	648	60	53.57	5	1624	7.44	3.75	61.21	0.45
Cc2	**2**	(untitled)	2	769-2	D	996	2150	33	5.30	85	6	26.26	19.58	81.55	15.38
	3	(untitled)	2	769-2	D	625	2050	33	3.00	54	67	18.59	11.49	80.68	9.29
	4	(untitled)	2	769-2	D	971	2150	33	3.01	80	13	22.13	15.56	79.50	14.66
	5	(untitled)	2	769-2	D	261	2050	33	26.00	22	301	21.33	13.35	104.55	5.87
E2	**3**	(untitled)	4	770-3	H	339 <	2150	14	6.43	110	-18	250.41	246.42	298.35	25.69 +
	4	(untitled)	4	770-3	H	245	2050	14	0.00	48	88	26.45	22.37	83.59	3.42
TC5	**2**	(untitled)	TC771-6	TC777-1	A	649	2263	38	8.00	43	109	6.35	3.58	23.07	2.50
	3	(untitled)	TC771-6	TC777-1	A	663	2263	38	14.00	44	105	4.02	1.26	4.57	0.51
	4	(untitled)	TC771-6	TC777-1	C	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00
TC9	**1**	(untitled)	TC771-6	TC777-1	B	1079	1925	39	0.00	80	12	22.42	11.42	63.01	12.06
	2	(untitled)	TC771-6	TC777-1	B	731	1966	39	0.00	53	69	16.83	5.78	42.77	5.26
	3	(untitled)	TC771-6	TC777-1	B	402	1947	39	0.00	29	205	15.08	3.96	34.25	2.30
TC35	**1**	(untitled)	TC771-6	TC777-1	A	57	1900	38	13.00	5	1900	6.16	3.26	26.76	0.25
TC36	**1**	(untitled)	TC771-6			356	1800	60	0.00	20	355	3.27	0.25	0.00	0.02
TC37	**1**	(untitled)	TC771-6	TC777-2	J	72	1850	45	0.00	5	1673	5.01	1.82	23.45	0.28
TC38	**1**	(untitled)	TC771-6			72	455	60	14.00	16	469	4.18	2.65	31.22	2.43
TC39	**2**	(untitled)	TC771-6			649	2263	60	28.00	29	214	2.86	0.32	0.00	0.06
	3	(untitled)	TC771-6			663	2263	60	34.00	29	207	2.73	0.33	0.00	0.06

TC40	2	(untitled)	TC771-6			721	Unrestricted	60	14.00	0	Unrestricted	4.23	0.00	0.00	0.00
	3	(untitled)	TC771-6			663	Unrestricted	60	28.00	0	Unrestricted	4.02	0.00	0.00	0.00
TC41	1	(untitled)	TC771-6	TC777-1	D	284	1850	11	0.00	77	17	41.98	38.05	107.36	5.16
TC42	1	(untitled)	TC771-6	TC777-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00
TC43	1	(untitled)				0	1800	60	60.00	0	Unrestricted	0.00	0.00	0.00	0.00
47	1	(untitled)	2			1300	1300	60	0.00	100	-10	64.61	48.58	0.00	17.54
48	1	(untitled)	2			993	1965	60	0.00	51	78	7.55	0.93	0.00	0.26
49	1	(untitled)	TC771-6			1079	1900	60	0.00	57	58	4.39	1.24	0.00	0.37
	2	(untitled)	TC771-6			1133	1900	60	0.00	60	51	4.54	1.40	0.00	0.44
50	1	(untitled)	1			1220	1900	60	0.00	64	40	7.47	1.69	0.00	0.57
51	1	(untitled)	4-2			780	1900	60	0.00	41	119	5.16	0.66	0.00	0.14

Pedestrian Crossing Results

				SIGNALS		FLOWS		PERFORMANCE			PER PED		QUEUES	WEIGHTS	P
Pedestrian	Side	Name	Traffic node	Controller stream	Phase	Calculated Flow Entering (Ped/hr)	Calculated sat flow (Ped/hr)	Actual green (s (per cycle))	Degree of saturation (%)	Practical reserve capacity	JourneyTime (s)	Mean Delay per Ped (s)	Mean max queue (Ped)	Delay weighting (%)	p (
1	1	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	
2	1	(untitled)	3	770-1	C	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	3	770-1	C	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	
3	1	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
4	1	(untitled)	4	770-3	J	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	J	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	
5	1	(untitled)	4	770-3	I	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	I	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	
6	1	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	
7	1	(untitled)	5	771-1	C	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	5	771-1	C	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	
8	1	(untitled)	1	769-1	C	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	1	769-1	C	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	
9	1	(untitled)	2	769-2	J	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	J	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	
10	1	(untitled)	2	769-2	K	0	11000	15	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	K	0	11000	15	0	Unrestricted	0.00	0.00	0.00	100	
11	1	(untitled)		769-2	H	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		769-2	H	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	
12	1	(untitled)	2	769-2	I	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	I	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	
13	1	(untitled)		TC777-1	I	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	I	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	
14	1	(untitled)		TC777-1	F	0	11000	39	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	F	0	11000	39	0	Unrestricted	0.00	0.00	0.00	100	
15	1	(untitled)		TC777-1	G	0	0	0	0	-100	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	G	0	0	0	0	-100	0.00	0.00	0.00	100	
16	1	(untitled)		TC777-1	H	0	11000	9	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	H	0	11000	9	0	Unrestricted	0.00	0.00	0.00	100	
17	1	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	

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	5985.07	380.32	15.74	226.00	3209.13	583.45	0.00	3792.58
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	5985.07	380.32	15.74	226.00	3209.13	583.45	0.00	3792.58

- *< = 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***