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\2033 Sensitivity Test
Report generation date: 19/07/2021 20:09:09

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

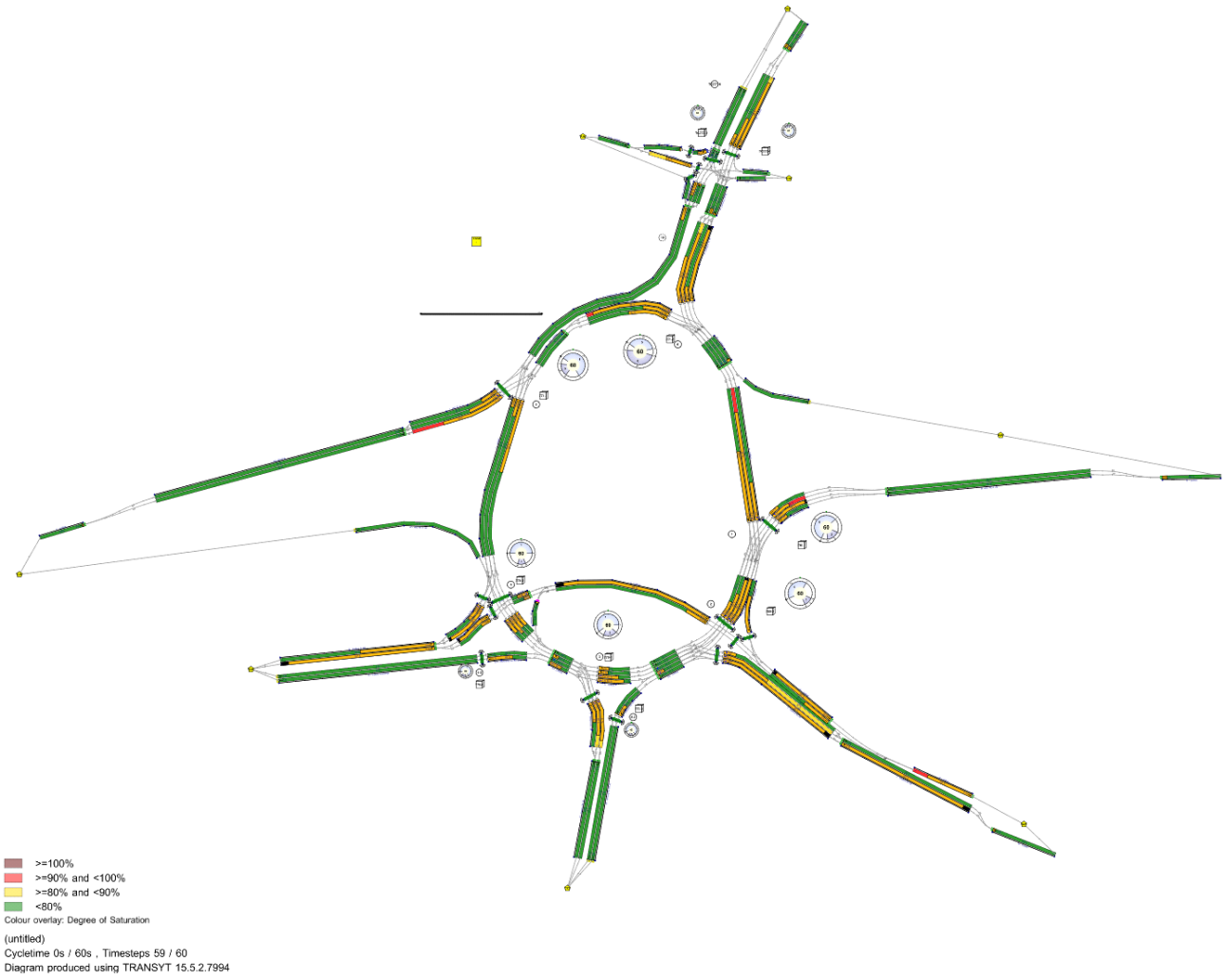
Units

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 - 2033 Base + Committed PM
D2 - 2033 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	Local Matrix	Local Matrix 1	Local Matrix 1: Resultant Flows have warnings in one or more time segments - see the Resultant Flows tab of the OD Matrix screen.
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	19/07/2021 20:08:00	19/07/2021 20:08:13	16:30	60	6186.31	383.43	126.63	Ef/2	14	10	TC5/4	Ef/2	TC5

Analysis Set Details

Name	Description	Demand set	Include in report	Locked
2033 Base + Committed PM		D2	✓	

Demand Set Details

Name	Description	Composite	Demand sets	Start time (HH:mm)	Locked
2033 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	897	897
	2	399	399
	3	808	808
	4	574	574
Ac	1	789	789
	2	289	289
	3	453	453
Acf	1	1078	1078
	2	453	453
Af	1	1296	1296
	2	808	808
	3	574	574
B	1	275	275
	2	401	401
	3	347	347
	4	260	260
Bc	1	775	775
	2	1114	1114
	3	633	633
	1	1686	1686

Bcf	**2**	775	775
	3	1114	1114
	4	633	633
Bf	**1**	676	676
	2	607	607
C	**1**	503	503
	2	422	422
	3	143	143
Cf	**1**	503	503
	2	565	565
D	**1**	280	280
	2	342	342
	3	373	373
Dc	**1**	846	846
	2	823	823
	3	306	306
	4	403	403
Dcf	**1**	1139	1139
	2	1433	1433
	3	823	823
	4	306	306
	5	403	403
Df	**1**	622	622
	2	373	373
Dxp	**1**	1139	1139
	2	587	587
Ec	**1**	593	593
	2	578	578
	3	518	518
	4	296	296
Ecf	**1**	945	945
	2	1004	1004
	3	578	578
	4	846	846
Ef	**1**	854	854
	2	627	627
Exp	**1**	945	945
	2	411	411
F	**1**	187	187
	2	294	294
	3	360	360
Fc	**1**	681	681
	2	609	609
	3	842	842
Ff	**1**	481	481
	2	360	360
G	**1**	386	386
	2	274	274
Gf	**1**	382	382
	2	245	245
xA	**1**	778	778
	2	663	663
xB	**1**	1686	1686
xC	**1**	785	785
	2	645	645
xD	**1**	1139	1139
	2	587	587

xE	1	945	945
	2	411	411
xF	1	707	707
Cc1	1	770	770
E1	1	308	308
	2	546	546
Gf1	1	33	33
Cc2	2	1045	1045
	3	641	641
	4	1090	1090
	5	260	260
E2	3	382	382
	4	245	245
TC5	2	719	719
	3	663	663
	4	0	0
TC9	1	1158	1158
	2	793	793
	3	430	430
TC35	1	59	59
TC36	1	372	372
TC37	1	75	75
TC38	1	75	75
TC39	2	719	719
	3	663	663
TC40	2	794	794
	3	663	663
TC41	1	297	297
TC42	1	0	0
TC43	1	0	0
47	1	1430	1430
48	1	1068	1068
49	1	1158	1158
	2	1223	1223
50	1	1283	1283
51	1	841	841

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	52	353	13	446	14	434	0
	B28	18	0	98	177	513	7	255	0
	C28	286	33	0	181	99	8	388	0
	D28	5	376	256	0	17	14	173	0
	E28	477	627	92	114	1	6	164	0
	F28	104	27	57	81	28	0	75	0
	G28	793	315	870	141	252	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

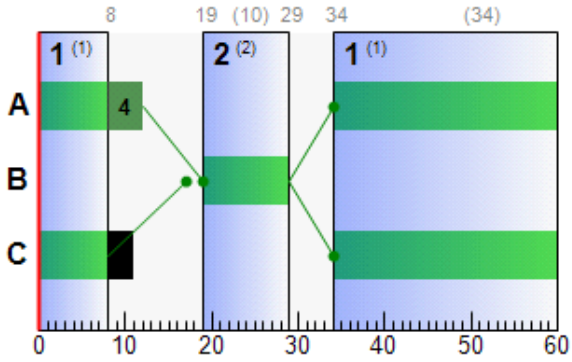
Resultant Phase Green Periods

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

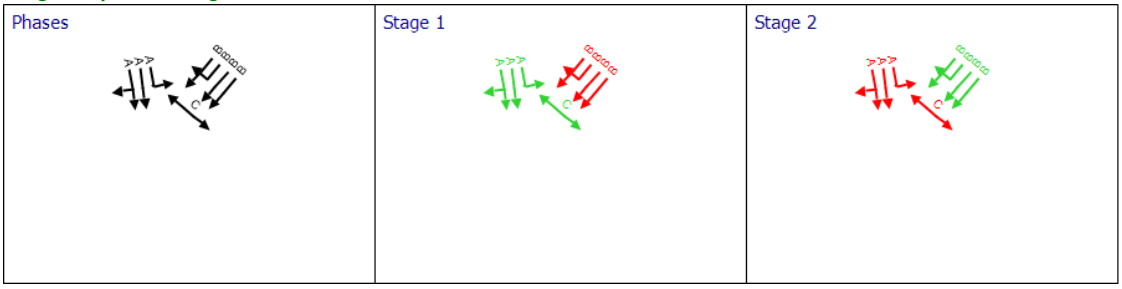
Traffic Stream Green Times

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

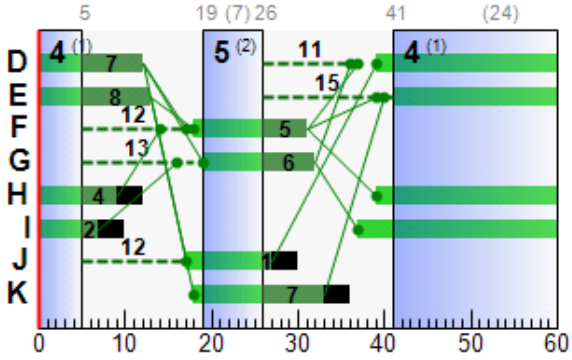
Resultant Phase Green Periods

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

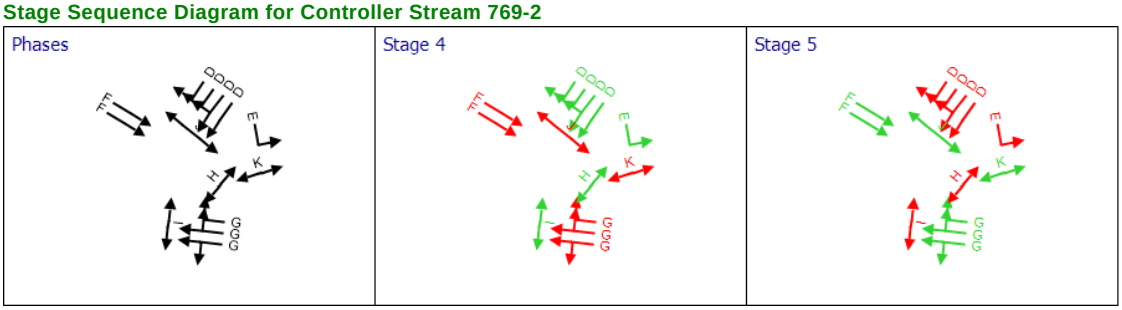
Traffic Stream Green Times

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

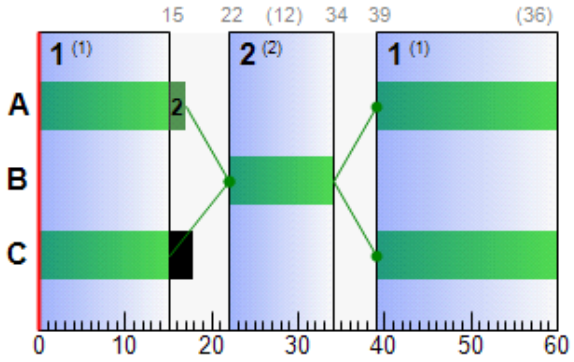
Resultant Phase Green Periods

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

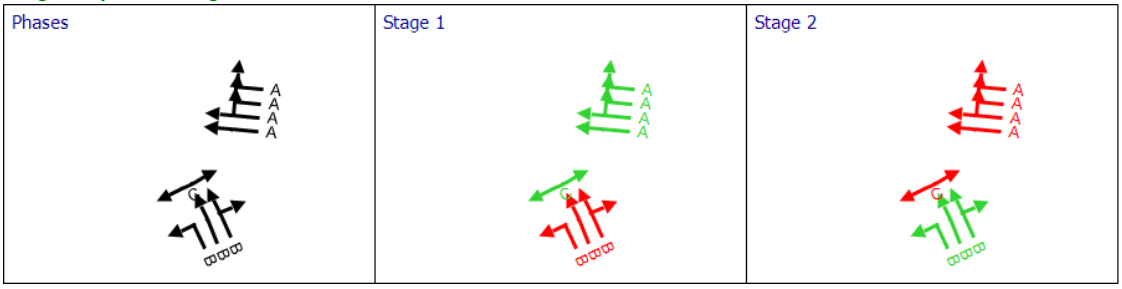
Traffic Stream Green Times

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

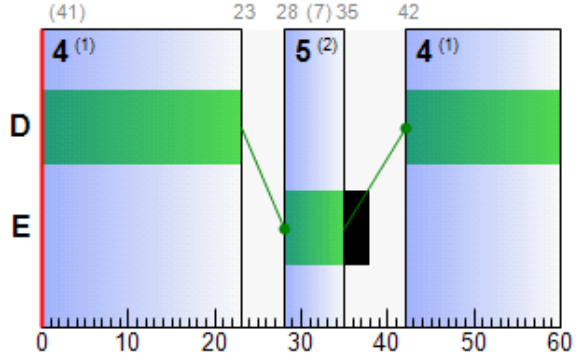
Resultant Phase Green Periods

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

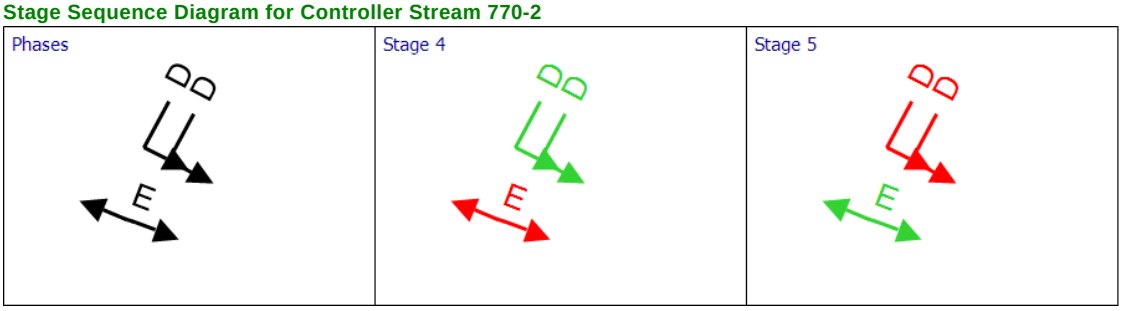
Traffic Stream Green Times

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)
	2	✓	9	G,H	26	33	7	1	1

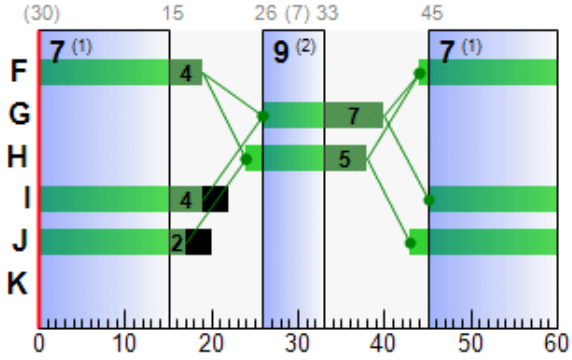
Resultant Phase Green Periods

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

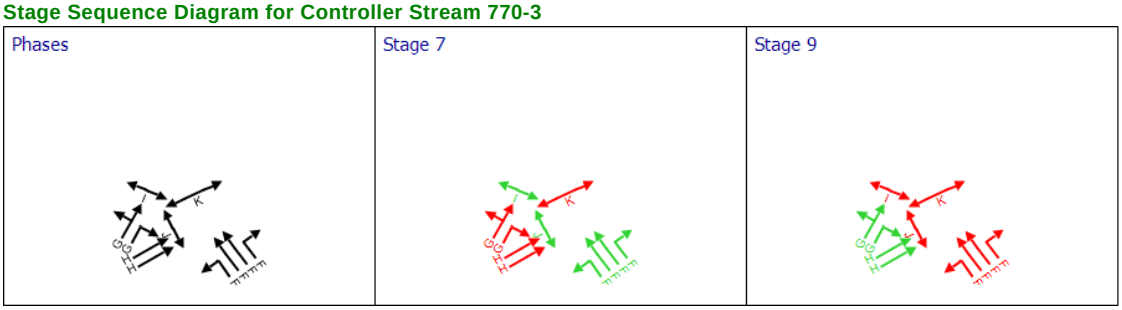
Traffic Stream Green Times

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

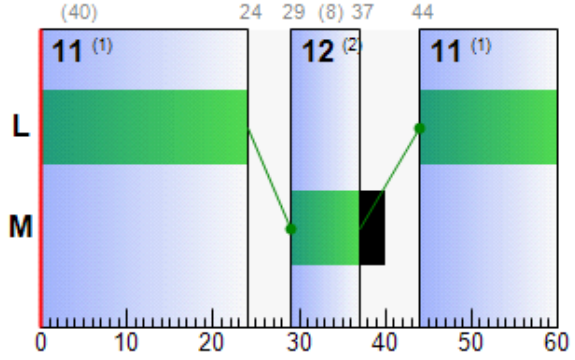
Resultant Phase Green Periods

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

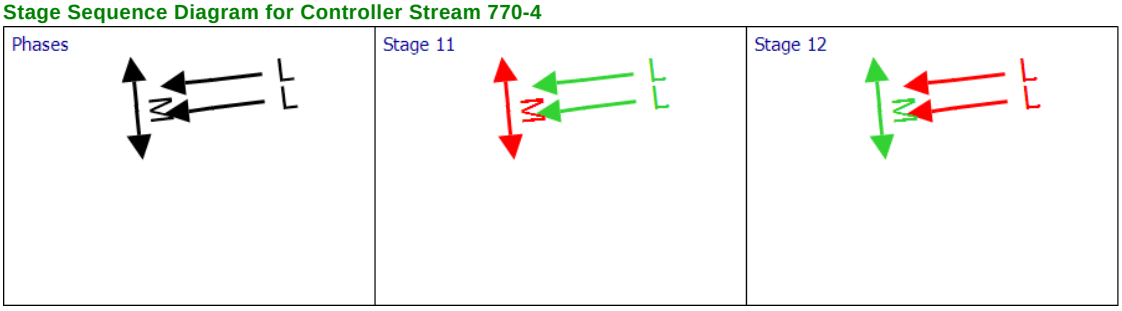
Traffic Stream Green Times

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

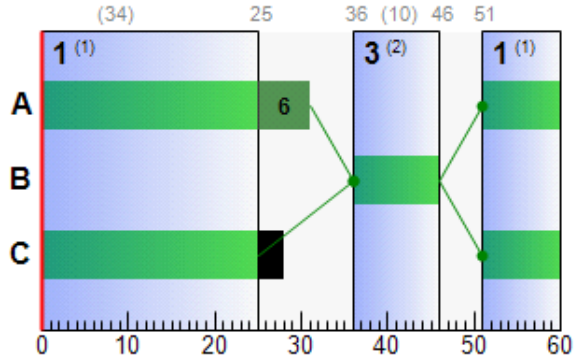
Resultant Phase Green Periods

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

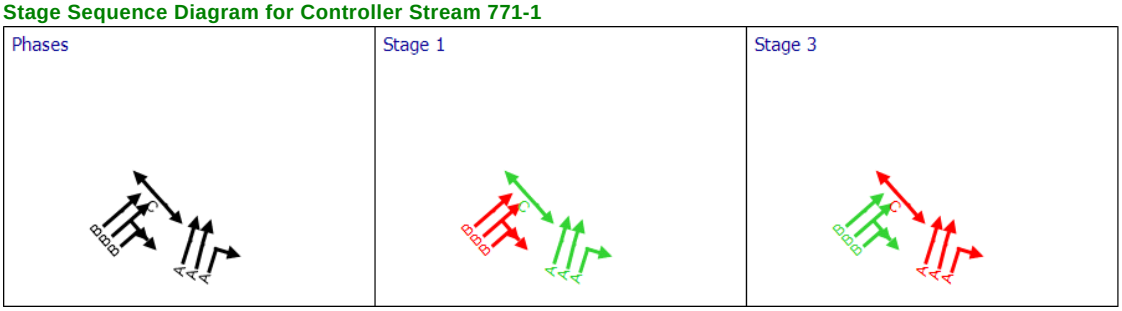
Traffic Stream Green Times

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

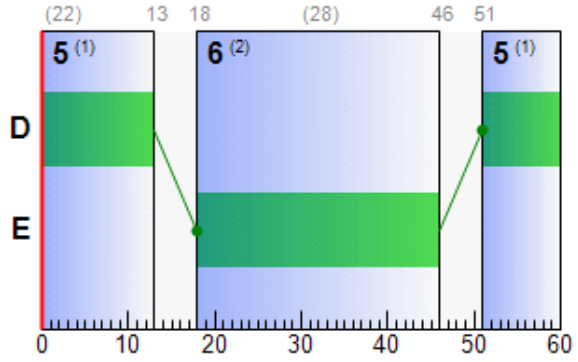
Resultant Phase Green Periods

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

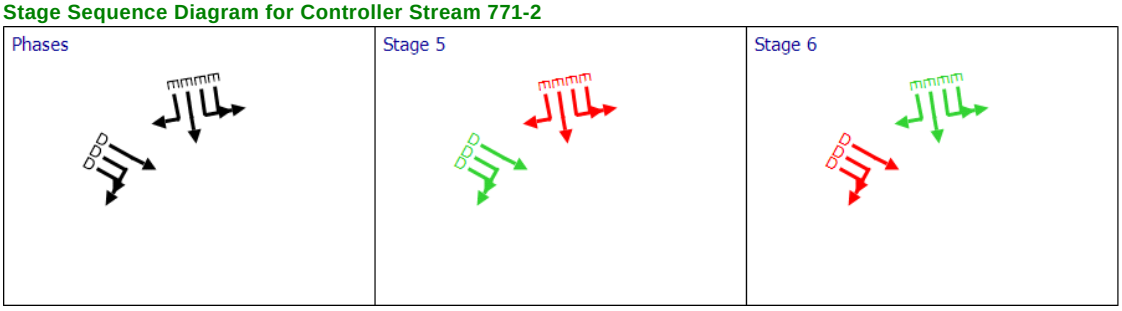
Traffic Stream Green Times

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

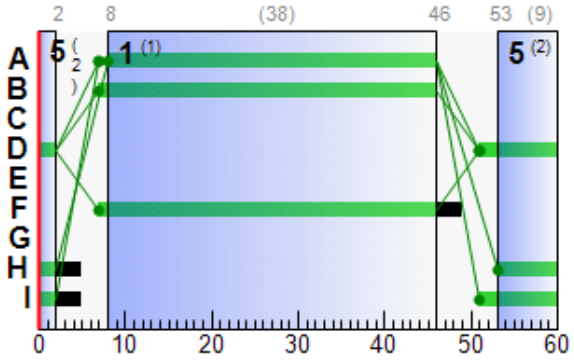
Resultant Phase Green Periods

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

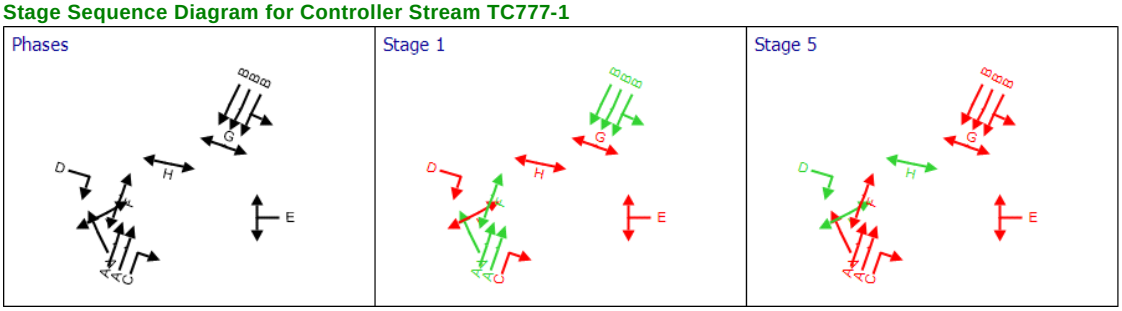
Traffic Stream Green Times

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

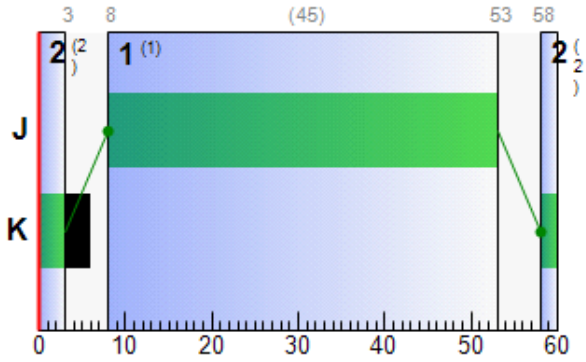
Resultant Phase Green Periods

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

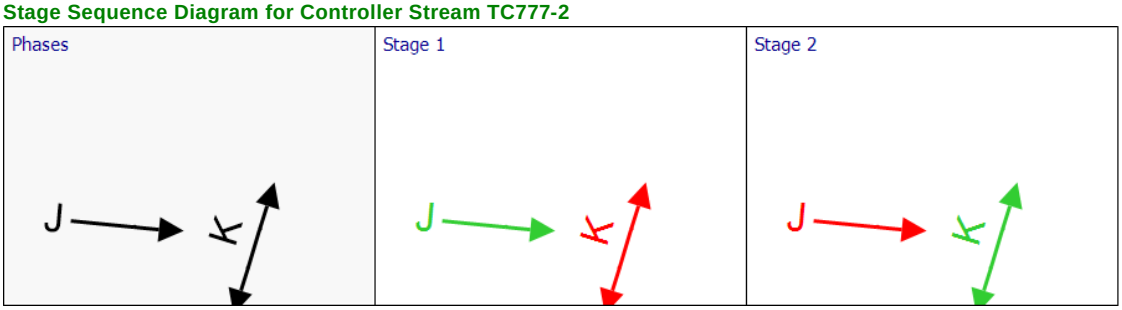
Traffic Stream Green Times

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	897	2050	28	991	91	-1	25.20	13.48	104.02	30.79

	A	2	(untitled)	E	400	2050	28	991	40	123	7.71	2.56	19.13	13.47
		3	(untitled)	E	807	2050	28	991	81	11	16.66	11.88	86.89	22.56
		4	(untitled)	E	574	2050	28	991	58	55	12.77	7.90	56.51	18.79
	Ac	1	(untitled)	D	783	2263	22	867	90	0	37.00	15.38	92.32	44.18
		2	(untitled)	D	290	2263	22	741	39	130	3.79	5.21	32.41	13.29
		3	(untitled)	D	452	2263	22	867	52	73	6.37	7.53	49.23	12.97
	Acf	1	(untitled)		1073	2263	60	2263	47	90	0.72	0.21	1.77	5.94
		2	(untitled)		452	2263	60	2263	20	351	0.20	0.02	0.20	7.44
	Af	1	(untitled)		1297	2050	60	2050	63	42	1.51	0.54	5.83	7.93
		2	(untitled)		807	2050	60	2026	40	126	0.61	1.58	17.09	6.99
		3	(untitled)		574	2050	60	2050	28	221	0.34	0.05	0.59	6.70
	B	1	(untitled)	B	275	2050	10	376	73	23	35.76	4.86	29.53	42.86
		2	(untitled)	B	401	2150	10	394	102	-12	186.67	25.32	149.82	193.95
		3	(untitled)	B	347	2100	10	378	92	-2	65.20	9.11	52.55	72.68
		4	(untitled)	B	261	2050	10	376	69	30	33.55	4.61	25.89	45.84
	Bc	1	(untitled)	A	777	2050	38	1333	58	54	7.81	6.61	28.59	19.76
		2	(untitled)	A	1113	2050	38	1212	92	-2	22.01	18.67	81.63	33.84
		3	(untitled)	A	633	2050	38	1177	54	67	3.13	11.91	52.63	14.84
	Bcf	1	(untitled)		1680	2263	60	2263	74	21	2.28	1.06	9.76	6.63
		2	(untitled)		777	2263	60	2263	34	162	0.42	0.09	0.82	5.79
		3	(untitled)		1113	2263	60	2263	49	83	0.77	0.24	2.19	6.64
		4	(untitled)		633	2263	60	2263	28	222	0.31	0.05	0.50	6.65
	Bf	1	(untitled)		676	1800	60	1800	38	140	0.60	0.11	0.28	27.94
		2	(untitled)		608	1800	60	1800	34	166	0.51	0.09	0.22	27.92
	C	1	(untitled)	G	481	2100	13	490	98	-8	179.87	28.81	136.74	194.40
		2	(untitled)	G	422	2200	13	513	82	9	37.29	8.13	38.19	51.98
		3	(untitled)	G	143	2050	13	478	30	201	20.58	1.97	9.11	35.51
	Cf	1	(untitled)		503	1965	60	481	105	-14	192.31	32.86	130.68	209.67
		2	(untitled)		565	1965	60	1965	29	213	0.37	0.06	0.23	17.87
	D	1	(untitled)	B	280	2050	12	444	63	43	28.15	4.34	45.39	32.27
		2	(untitled)	B	342	1850	12	401	85	5	46.21	7.15	74.77	50.34
		3	(untitled)	B	373	2250	12	429	87	4	47.73	7.90	85.88	51.70
	Dc	1	(untitled)	A	825	2100	38	1353	61	48	7.90	7.04	79.86	11.70
		2	(untitled)	A	822	2100	38	1365	60	49	5.52	5.42	63.99	9.18
		3	(untitled)	A	306	2100	38	1365	22	301	3.53	2.42	29.72	7.04
		4	(untitled)	A	404	2100	38	1365	30	204	4.47	2.57	32.94	7.83
	Dcf	1	(untitled)		1132	2050	60	2050	55	63	1.08	0.34	2.96	6.03
		2	(untitled)		1410	2100	60	2006	70	28	2.16	3.15	27.44	7.11
		3	(untitled)		822	2100	60	2100	39	130	0.55	0.13	1.05	5.94
		4	(untitled)		306	2100	60	2100	15	518	0.15	0.01	0.11	6.81
		5	(untitled)		404	2100	60	2100	19	368	0.20	0.02	0.20	5.22
	Df	1	(untitled)		622	1900	60	1900	33	175	0.46	0.08	0.23	24.46
		2	(untitled)		373	2250	60	2250	17	443	0.16	0.02	0.05	24.16
	Dxp	1	(untitled)	D	1132	2050	41	1435	79	14	5.38	2.95	36.43	8.87
		2	(untitled)	D	585	2050	41	1435	41	121	0.93	0.21	2.46	4.58
	Ec	1	(untitled)	F	593	2150	35	1290	46	96	6.88	5.21	59.85	10.64
		2	(untitled)	F	578	2263	35	1358	43	111	8.99	6.52	77.44	12.62
		3	(untitled)	F	518	2263	35	1358	38	136	4.46	4.87	59.93	7.97
		4	(untitled)	F	296	2250	35	1350	22	310	13.56	4.88	61.13	17.00
	Ecf	1	(untitled)		924	2100	60	2030	45	98	1.32	5.13	64.23	4.77
		2	(untitled)		1003	2100	60	2100	48	88	0.78	0.22	2.70	4.26
		3	(untitled)		578	2263	60	2176	27	239	0.38	2.37	29.00	3.90
		4	(untitled)		847	2300	60	2300	37	144	0.46	0.11	1.22	4.42
	Ef	1	(untitled)		853	1900	60	1182	72	25	10.82	10.64	47.97	26.13
		2	(untitled)		627	1900	60	495	127	-29	402.86	75.84	341.92	418.16
16:30-17:30	Exp	1	(untitled)	L	924	2050	40	1401	66	36	4.69	5.76	63.88	8.58
		2	(untitled)	L	410	2050	40	1401	29	207	0.53	0.06	0.65	4.56
		1	(untitled)	B	187	2100	10	385	49	85	26.36	2.88	19.46	32.75

F	2	(untitled)	B	295	2100	10	385	77	17	37.96	5.38	36.10	44.39
	3	(untitled)	B	361	2100	10	385	94	-4	71.83	10.13	66.78	78.38
Fc	1	(untitled)	A	680	2263	40	1546	44	105	1.39	1.84	5.78	20.50
	2	(untitled)	A	608	2263	40	1504	40	123	1.51	3.49	11.07	20.43
	3	(untitled)	A	833	2263	40	1537	54	66	6.08	14.78	47.14	25.74
Ff	1	(untitled)		482	1900	60	1900	25	255	0.32	0.04	0.09	33.41
	2	(untitled)		361	1900	60	1900	19	374	0.22	0.02	0.05	33.27
G	1	(untitled)	F	305	2050	13	305	100	-10	366.87	35.34	130.13	382.93
	2	(untitled)	F	223	2050	13	461	48	86	41.93	3.94	14.83	53.37
Gf	1	(untitled)		302	2050	60	1080	28	222	20.79	4.57	67.59	23.71
	2	(untitled)		194	2050	60	2049	9	852	0.10	2.32	34.75	2.98
xA	1	(untitled)		777	2263	60	2194	35	154	0.64	2.42	6.05	17.87
	2	(untitled)		662	2263	60	2263	29	208	0.33	0.06	0.15	17.58
xB	1	(untitled)		1680	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	1	(untitled)		705	1900	60	705	100	-10	120.13	30.49	151.67	128.80
	2	(untitled)		595	1900	60	775	77	17	13.24	8.20	40.67	21.94
xD	1	(untitled)		1132	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
	2	(untitled)		585	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
xE	1	(untitled)		924	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		410	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	1	(untitled)		705	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
Cc1	1	(untitled)	E	772	2050	32	1092	71	27	15.00	11.73	70.36	21.54
E1	1	(untitled)	G	308	2050	14	513	60	50	34.16	5.50	39.50	40.16
	2	(untitled)	G	545	2200	14	550	99	-9	130.82	23.92	171.95	136.82
Gf1	1	(untitled)		33	650	60	582	6	1487	3.61	0.48	5.63	7.30
Cc2	2	(untitled)	D	1042	2150	33	1173	89	1	22.19	15.78	99.07	28.90
	3	(untitled)	D	641	2050	33	1162	55	63	11.37	9.34	60.16	18.45
	4	(untitled)	D	1084	2150	33	1218	89	1	20.80	16.80	108.59	27.36
	5	(untitled)	D	261	2050	33	1162	22	301	13.35	5.87	38.08	21.33
E2	3	(untitled)	H	302	2150	14	302	100	-10	169.04	15.17	163.71	173.04
	4	(untitled)	H	193	2050	14	513	38	138	29.64	2.43	25.75	33.71
TC5	2	(untitled)	A	718	2263	38	1509	48	89	3.71	2.77	69.05	6.48
	3	(untitled)	A	662	2263	38	1509	44	105	1.25	0.50	12.61	4.01
	4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
TC9	1	(untitled)	B	1159	1925	39	1348	86	5	14.71	14.69	92.08	25.72
	2	(untitled)	B	793	1966	39	1376	58	56	6.30	6.32	39.42	17.35
	3	(untitled)	B	430	1947	39	1363	32	185	4.08	2.46	15.27	15.20
TC35	1	(untitled)	A	59	1900	38	1267	5	1835	3.34	0.27	6.49	6.23
TC36	1	(untitled)		371	1800	60	1800	21	337	0.26	0.03	0.61	3.29
TC37	1	(untitled)	J	75	1850	45	1418	5	1602	1.82	0.29	3.80	5.01
TC38	1	(untitled)		75	448	60	448	17	437	3.05	2.43	65.60	4.58
TC39	2	(untitled)		718	2263	60	2263	32	184	0.37	0.07	1.20	2.91
	3	(untitled)		662	2263	60	2263	29	208	0.33	0.06	1.04	2.73
TC40	2	(untitled)		793	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
	3	(untitled)		662	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
TC41	1	(untitled)	D	296	1850	11	370	80	12	41.18	5.62	59.13	45.12
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)		1068	1965	60	1965	54	66	1.09	0.32	3.37	7.70
49	1	(untitled)		1159	1900	60	1900	61	48	1.48	0.48	10.42	4.63
	2	(untitled)		1223	1900	60	1900	64	40	1.71	0.58	12.69	4.85
50	1	(untitled)		1284	1900	60	1900	68	33	1.97	0.70	8.37	7.74
51	1	(untitled)		843	1900	60	1900	44	103	0.75	0.18	2.71	5.25

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	91	-1	897	2050	28	25.20	13.48	104.02	89.18	22.20	111.37
		2	40	123	400	2050	28	7.71	2.56	19.13	12.16	4.10	16.25
		3	81	11	807	2050	28	16.66	11.88	86.89	53.05	17.15	70.19
		4	58	55	574	2050	28	12.77	7.90	56.51	28.90	12.84	41.75
	Ac	1	90	0	783	2263	22	37.00	15.38	92.32	114.33	21.86	136.19
		2	39	130	290	2263	22	3.79	5.21	32.41	4.33	1.82	6.15
		3	52	73	452	2263	22	6.37	7.53	49.23	11.35	7.16	18.51
	Acf	1	47	90	1073	2263	60	0.72	0.21	1.77	3.04	0.00	3.04
		2	20	351	452	2263	60	0.20	0.02	0.20	0.35	0.00	0.35
	Af	1	63	42	1297	2050	60	1.51	0.54	5.83	7.71	0.00	7.71
		2	40	126	807	2050	60	0.61	1.58	17.09	1.94	0.22	2.16
		3	28	221	574	2050	60	0.34	0.05	0.59	0.77	0.00	0.77
	B	1	73	23	275	2050	10	35.76	4.86	29.53	38.79	9.27	48.06
		2	102	-12	401	2150	10	186.67	25.32	149.82	295.25	39.40	334.66
		3	92	-2	347	2100	10	65.20	9.11	52.55	89.24	16.33	105.57
		4	69	30	261	2050	10	33.55	4.61	25.89	34.54	3.44	37.98
	Bc	1	58	54	777	2050	38	7.81	6.61	28.59	23.93	7.79	31.72
		2	92	-2	1113	2050	38	22.01	18.67	81.63	96.59	21.81	118.40
		3	54	67	633	2050	38	3.13	11.91	52.63	7.81	2.24	10.05
	Bcf	1	74	21	1680	2263	60	2.28	1.06	9.76	15.11	0.00	15.11
		2	34	162	777	2263	60	0.42	0.09	0.82	1.27	0.00	1.27
		3	49	83	1113	2263	60	0.77	0.24	2.19	3.37	0.00	3.37
		4	28	222	633	2263	60	0.31	0.05	0.50	0.77	0.00	0.77
	Bf	1	38	140	676	1800	60	0.60	0.11	0.28	1.60	0.00	1.60
		2	34	166	608	1800	60	0.51	0.09	0.22	1.22	0.00	1.22
	C	1	98	-8	481	2100	13	179.87	28.81	136.74	341.41	20.10	361.51
		2	82	9	422	2200	13	37.29	8.13	38.19	62.08	6.03	68.11
		3	30	201	143	2050	13	20.58	1.97	9.11	11.61	1.48	13.09
	Cf	1	105	-14	503	1965	60	192.31	32.86	130.68	381.56	19.50	401.06
		2	29	213	565	1965	60	0.37	0.06	0.23	0.82	0.00	0.82
	D	1	63	43	280	2050	12	28.15	4.34	45.39	31.09	8.33	39.42
		2	85	5	342	1850	12	46.21	7.15	74.77	62.34	13.22	75.56
		3	87	4	373	2250	12	47.73	7.90	85.88	70.23	14.70	84.93
	Dc	1	61	48	825	2100	38	7.90	7.04	79.86	25.71	13.61	39.32
		2	60	49	822	2100	38	5.52	5.42	63.99	17.91	10.07	27.98
		3	22	301	306	2100	38	3.53	2.42	29.72	4.26	4.15	8.40
		4	30	204	404	2100	38	4.47	2.57	32.94	7.13	5.03	12.15
	Dcf	1	55	63	1132	2050	60	1.08	0.34	2.96	4.83	0.00	4.83
		2	70	28	1410	2100	60	2.16	3.15	27.44	12.04	4.08	16.12
		3	39	130	822	2100	60	0.55	0.13	1.05	1.79	0.00	1.79
		4	15	518	306	2100	60	0.15	0.01	0.11	0.18	0.00	0.18
		5	19	368	404	2100	60	0.20	0.02	0.20	0.33	0.00	0.33
	Df	1	33	175	622	1900	60	0.46	0.08	0.23	1.13	0.00	1.13
		2	17	443	373	2250	60	0.16	0.02	0.05	0.23	0.00	0.23
	Dxp	1	79	14	1132	2050	41	5.38	2.95	36.43	24.01	5.45	29.46
		2	41	121	585	2050	41	0.93	0.21	2.46	2.14	0.39	2.53
	Ec	1	46	96	593	2150	35	6.88	5.21	59.85	16.09	8.31	24.40
		2	43	111	578	2263	35	8.99	6.52	77.44	20.50	12.79	33.29
		3	38	136	518	2263	35	4.46	4.87	59.93	9.12	6.45	15.57
		4	22	310	296	2250	35	13.56	4.88	61.13	15.83	9.72	25.55
	Ecf	1	45	98	924	2100	60	1.32	5.13	64.23	4.82	2.43	7.25
		2	48	88	1003	2100	60	0.78	0.22	2.70	3.10	0.00	3.10
		3	27	239	578	2263	60	0.38	2.37	29.00	0.87	0.85	1.72
		4	37	144	847	2300	60	0.46	0.11	1.22	1.52	0.00	1.52

16:30-17:30	Ef	1	72	25	853	1900	60	10.82	10.64	47.97	36.42	7.25	43.67
		2	127	-29	627	1900	60	402.86	75.84	341.92	996.34	21.14	1017.48
	Exp	1	66	36	924	2050	40	4.69	5.76	63.88	17.09	6.57	23.66
		2	29	207	410	2050	40	0.53	0.06	0.65	0.86	0.00	0.86
	F	1	49	85	187	2100	10	26.36	2.88	19.46	19.45	5.52	24.97
		2	77	17	295	2100	10	37.96	5.38	36.10	44.17	10.23	54.40
		3	94	-4	361	2100	10	71.83	10.13	66.78	102.28	17.88	120.17
	Fc	1	44	105	680	2263	40	1.39	1.84	5.78	3.74	1.34	5.08
		2	40	123	608	2263	40	1.51	3.49	11.07	3.62	2.01	5.63
		3	54	66	833	2263	40	6.08	14.78	47.14	19.98	10.34	30.32
	Ff	1	25	255	482	1900	60	0.32	0.04	0.09	0.61	0.00	0.61
		2	19	374	361	1900	60	0.22	0.02	0.05	0.32	0.00	0.32
	G	1	100	-10	305	2050	13	366.87	35.34	130.13	442.07	23.47	465.55
		2	48	86	223	2050	13	41.93	3.94	14.83	36.82	8.21	45.02
	Gf	1	28	222	302	2050	60	20.79	4.57	67.59	24.74	8.75	33.49
		2	9	852	194	2050	60	0.10	2.32	34.75	0.07	0.05	0.12
	xA	1	35	154	777	2263	60	0.64	2.42	6.05	1.97	1.98	3.95
		2	29	208	662	2263	60	0.33	0.06	0.15	0.86	0.00	0.86
	xB	1	0	Unrestricted	1680	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	100	-10	705	1900	60	120.13	30.49	151.67	334.26	32.28	366.53
		2	77	17	595	1900	60	13.24	8.20	40.67	31.06	12.83	43.88
	xD	1	0	Unrestricted	1132	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	585	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	0	Unrestricted	924	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	410	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	0	Unrestricted	705	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	71	27	772	2050	32	15.00	11.73	70.36	45.68	23.23	68.91
	E1	1	60	50	308	2050	14	34.16	5.50	39.50	41.50	10.62	52.13
		2	99	-9	545	2200	14	130.82	23.92	171.95	281.23	40.71	321.94
	Gf1	1	6	1487	33	650	60	3.61	0.48	5.63	0.47	0.63	1.10
	Cc2	2	89	1	1042	2150	33	22.19	15.78	99.07	91.23	30.82	122.05
		3	55	63	641	2050	33	11.37	9.34	60.16	28.75	15.63	44.38
		4	89	1	1084	2150	33	20.80	16.80	108.59	88.93	32.34	121.27
		5	22	301	261	2050	33	13.35	5.87	38.08	13.74	6.08	19.83
	E2	3	100	-10	302	2150	14	169.04	15.17	163.71	201.15	20.63	221.78
		4	38	138	193	2050	14	29.64	2.43	25.75	22.62	4.37	26.99
	TC5	2	48	89	718	2263	38	3.71	2.77	69.05	10.51	2.08	12.59
		3	44	105	662	2263	38	1.25	0.50	12.61	3.26	0.38	3.64
		4	0	-100	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	86	5	1159	1925	39	14.71	14.69	92.08	67.26	10.44	77.70
		2	58	56	793	1966	39	6.30	6.32	39.42	19.70	4.43	24.14
		3	32	185	430	1947	39	4.08	2.46	15.27	6.91	1.85	8.77
	TC35	1	5	1835	59	1900	38	3.34	0.27	6.49	0.78	0.21	0.98
	TC36	1	21	337	371	1800	60	0.26	0.03	0.61	0.38	0.00	0.38
	TC37	1	5	1602	75	1850	45	1.82	0.29	3.80	0.54	0.61	1.15
	TC38	1	17	437	75	448	60	3.05	2.43	65.60	0.90	0.92	1.82
	TC39	2	32	184	718	2263	60	0.37	0.07	1.20	1.05	0.00	1.05
		3	29	208	662	2263	60	0.33	0.06	1.04	0.86	0.00	0.86
	TC40	2	0	Unrestricted	793	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		3	0	Unrestricted	662	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	TC41	1	80	12	296	1850	11	41.18	5.62	59.13	48.08	11.51	59.59
	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	54	66	1068	1965	60	1.09	0.32	3.37	4.59	0.00	4.59
	49	1	61	48	1159	1900	60	1.48	0.48	10.42	6.75	0.00	6.75
		2	64	40	1223	1900	60	1.71	0.58	12.69	8.23	0.00	8.23
	50	1	68	33	1284	1900	60	1.97	0.70	8.37	9.96	0.00	9.96

	51	1	44	103	843	1900	60	0.75	0.18	2.71	2.51	0.00	2.51

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	897	897	0		2050	991	91	✓	-1	0.42	28
		2	400	400	-1		2050	991	40		123	0.47	28
		3	807	807	1		2050	991	81		11	0.58	28
		4	574	574	0		2050	991	58		55	0.57	28
	Ac	1	783	783	6	✓	2263	867	90	✓	0	1.22	22
		2	290	290	-1	✓	2263	741	39		130	1.63	22
		3	452	452	0	✓	2263	867	52		73	1.23	22
	Acf	1	1073	1073	5	✓	2263	2263	47		90	0.94	60
		2	452	452	0	✓	2263	2263	20		351	1.23	60
	Af	1	1297	1297	-1		2050	2050	63		42	0.44	60
		2	807	807	1		2050	2026	40		126	0.58	60
		3	574	574	0		2050	2050	28		221	0.57	60
	B	1	275	275	0		2050	376	73		23	0.00	10
		2	401	394	0		2150	394	102	✓	-12	0.00	10
		3	347	347	0		2100	378	92	✓	-2	0.00	10
		4	261	261	-1		2050	376	69		30	0.00	10
	Bc	1	777	777	-2	✓	2050	1333	58		54	0.86	38
		2	1113	1113	1	✓	2050	1212	92	✓	-2	0.65	38
		3	633	633	0		2050	1177	54		67	1.01	38
	Bcf	1	1680	1680	6	✓	2263	2263	74		21	0.35	60
		2	777	777	-2	✓	2263	2263	34		162	0.86	60
		3	1113	1113	1	✓	2263	2263	49		83	0.65	60
		4	633	633	0		2263	2263	28		222	1.01	60
	Bf	1	676	676	0		1800	1800	38		140	0.00	60
		2	608	608	-1		1800	1800	34		166	0.00	60
	C	1	481	481	22	✓	2100	490	98	✓	-8	1.24	13
		2	422	422	0		2200	513	82		9	0.00	13
		3	143	143	0		2050	478	30		201	0.00	13
	Cf	1	503	481	0		1965	481	105	✓	-14	0.00	60
		2	565	565	0		1965	1965	29		213	0.00	60
	D	1	280	280	0		2050	444	63		43	0.00	12
		2	342	342	0		1850	401	85		5	0.00	12
		3	373	373	0		2250	429	87		4	0.00	12
	Dc	1	825	825	21	✓	2100	1353	61		48	0.63	38
		2	822	822	0	✓	2100	1365	60		49	0.85	38
		3	306	306	0		2100	1365	22		301	1.15	38
		4	404	404	-1		2100	1365	30		204	1.48	38
	Dcf	1	1132	1132	7	✓	2050	2050	55		63	0.75	60
		2	1410	1410	23	✓	2100	2006	70		28	0.48	60
		3	822	822	0	✓	2100	2100	39		130	0.85	60
		4	306	306	0		2100	2100	15		518	1.15	60
		5	404	404	-1		2100	2100	19		368	1.48	60
	Df	1	622	622	0		1900	1900	33		175	0.00	60
		2	373	373	0		2250	2250	17		443	0.00	60
	Dxp	1	1132	1132	7	✓	2050	1435	79		14	0.71	41
		2	585	585	2	✓	2050	1435	41		121	0.91	41
	Ec	1	593	593	0		2150	1290	46		96	0.95	35
		2	578	578	0		2263	1358	43		111	1.01	35
		3	518	518	-1		2263	1358	38		136	1.20	35
		4	296	296	-1		2250	1350	22		310	1.43	35
		1	924	924	21	✓	2100	2030	45		98	0.72	60

16:30-17:30	Ecf	2	1003	1003	0	✓	2100	2100	48		88	0.75	60
		3	578	578	0		2263	2176	27		239	1.09	60
		4	847	847	-1		2300	2300	37		144	1.18	60
	Ef	1	853	853	0		1900	1182	72		25	0.00	60
		2	627	495	0		1900	495	127	✓	-29	0.00	60
	Exp	1	924	924	21	✓	2050	1401	66		36	0.70	40
		2	410	410	0	✓	2050	1401	29		207	1.09	40
	F	1	187	187	0		2100	385	49		85	0.00	10
		2	295	295	-1	✓	2100	385	77		17	0.00	10
		3	361	361	-1		2100	385	94	✓	-4	0.00	10
	Fc	1	680	680	1	✓	2263	1546	44		105	1.00	40
		2	608	608	1	✓	2263	1504	40		123	1.20	40
		3	833	833	7	✓	2263	1537	54		66	1.23	40
	Ff	1	482	482	-1	✓	1900	1900	25		255	0.00	60
		2	361	361	-1		1900	1900	19		374	0.00	60
	G	1	305	305	81	✓	2050	305	100	✓	-10	1.15	13
		2	223	223	51	✓	2050	461	48		86	1.52	13
	Gf	1	302	301	80	✓	2050	1080	28		222	1.52	60
		2	194	194	51	✓	2050	2049	9		852	1.63	60
	xA	1	777	777	1	✓	2263	2194	35		154	0.99	60
		2	662	662	1	✓	2263	2263	29		208	1.28	60
	xB	1	1680	1680	6	✓	Unrestricted	Unrestricted	0		Unrestricted	0.26	60
	xC	1	705	705	80	✓	1900	705	100	✓	-10	0.72	60
		2	595	595	50	✓	1900	775	77		17	0.94	60
	xD	1	1132	1132	7	✓	Unrestricted	Unrestricted	0		Unrestricted	0.68	60
		2	585	585	2	✓	Unrestricted	Unrestricted	0		Unrestricted	0.79	60
	xE	1	924	924	21	✓	Unrestricted	Unrestricted	0		Unrestricted	0.71	60
		2	410	410	0	✓	Unrestricted	Unrestricted	0		Unrestricted	0.93	60
	xF	1	705	705	2	✓	Unrestricted	Unrestricted	0		Unrestricted	0.62	60
	Cc1	1	772	772	-2	✓	2050	1092	71		27	0.90	32
	E1	1	308	304	0		2050	513	60		50	0.63	14
		2	545	537	0		2200	550	99	✓	-9	0.63	14
	Gf1	1	33	33	0		650	582	6		1487	1.49	60
	Cc2	2	1042	1042	3	✓	2150	1173	89		1	0.48	33
		3	641	641	0		2050	1162	55		63	0.98	33
		4	1084	1084	6	✓	2150	1218	89		1	0.51	33
		5	261	261	-1		2050	1162	22		301	1.63	33
	E2	3	302	302	80	✓	2150	302	100	✓	-10	1.25	14
		4	193	194	52	✓	2050	513	38		138	1.25	14
	TC5	2	718	718	1	✓	2263	1509	48		89	0.97	38
		3	662	662	1	✓	2263	1509	44		105	1.28	38
		4	0	0	0		0	0	0		-100	0.00	0
	TC9	1	1159	1159	-1		1925	1348	86		5	0.00	39
		2	793	793	0		1966	1376	58		56	0.00	39
		3	430	430	0		1947	1363	32		185	0.00	39
	TC35	1	59	59	0		1900	1267	5		1835	0.78	38
	TC36	1	371	371	1		1800	1800	21		337	0.00	60
	TC37	1	75	75	0		1850	1418	5		1602	0.00	45
	TC38	1	75	75	0		448	448	17		437	0.47	60
	TC39	2	718	718	1	✓	2263	2263	32		184	1.09	60
		3	662	662	1	✓	2263	2263	29		208	1.31	60
	TC40	2	793	793	1	✓	Unrestricted	Unrestricted	0		Unrestricted	0.89	60
		3	662	662	1	✓	Unrestricted	Unrestricted	0		Unrestricted	1.14	60
	TC41	1	296	296	1		1850	370	80		12	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	130	✓	1300	1300	100	✓	-10	0.00	60
	48	1	1068	1068	0		1965	1965	54		66	0.00	60

	49	1	1159	1159	-1		1900	1900	61		48	0.00	60
		2	1223	1223	0		1900	1900	64		40	0.00	60
	50	1	1284	1284	-1		1900	1900	68		33	0.00	60
	51	1	843	843	-2	✓	1900	1900	44		103	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	25.20	6.28	89.18	77.09	691.47	22.20
		2	5.77	7.71	0.86	12.16	31.91	127.63	4.10
		3	5.90	16.66	3.74	53.05	66.19	534.15	17.15
		4	6.03	12.77	2.04	28.90	69.70	400.10	12.84
	Ac	1	7.19	37.00	8.05	114.33	86.91	680.87	21.86
		2	9.50	3.79	0.31	4.33	36.73	106.52	1.82
		3	6.60	6.37	0.80	11.35	49.39	223.11	7.16
	Acf	1	5.22	0.72	0.21	3.04	0.00	0.00	0.00
		2	7.24	0.20	0.02	0.35	0.00	0.00	0.00
	Af	1	6.42	1.51	0.54	7.71	0.00	0.00	0.00
		2	6.38	0.61	0.14	1.94	2.21	17.87	0.22
		3	6.36	0.34	0.05	0.77	0.00	0.00	0.00
	B	1	7.10	35.76	2.73	38.79	104.99	288.72	9.27
		2	7.29	186.67	20.79	295.25	311.43	1227.56	39.40
		3	7.48	65.20	6.28	89.24	146.58	508.65	16.33
		4	12.29	33.55	2.43	34.54	105.27	274.74	3.44
	Bc	1	11.96	7.81	1.69	23.93	44.96	349.32	7.79
		2	11.83	22.01	6.80	96.59	87.95	978.60	21.81
		3	11.71	3.13	0.55	7.81	15.87	100.48	2.24
	Bcf	1	4.35	2.28	1.06	15.11	0.00	0.00	0.00
		2	5.38	0.42	0.09	1.27	0.00	0.00	0.00
		3	5.87	0.77	0.24	3.37	0.00	0.00	0.00
		4	6.34	0.31	0.05	0.77	0.00	0.00	0.00
	Bf	1	27.34	0.60	0.11	1.60	0.00	0.00	0.00
		2	27.41	0.51	0.09	1.22	0.00	0.00	0.00
	C	1	14.54	179.87	24.04	341.41	333.05	1602.68	20.10
		2	14.68	37.29	4.37	62.08	113.95	480.88	6.03
		3	14.92	20.58	0.82	11.61	82.65	118.19	1.48
	Cf	1	17.35	192.31	26.87	381.56	323.18	1555.22	19.50
		2	17.50	0.37	0.06	0.82	0.00	0.00	0.00
	D	1	4.13	28.15	2.19	31.09	92.71	259.58	8.33
		2	4.13	46.21	4.39	62.34	120.43	411.87	13.22
		3	3.97	47.73	4.95	70.23	122.82	458.12	14.70
	Dc	1	3.80	7.90	1.81	25.71	51.41	423.97	13.61
		2	3.65	5.52	1.26	17.91	38.16	313.73	10.07
		3	3.51	3.53	0.30	4.26	42.22	129.21	4.15
		4	3.36	4.47	0.50	7.13	38.75	156.56	5.03
	Dcf	1	4.95	1.08	0.34	4.83	0.00	0.00	0.00
		2	4.94	2.16	0.85	12.04	9.02	127.12	4.08
		3	5.39	0.55	0.13	1.79	0.00	0.00	0.00
		4	6.66	0.15	0.01	0.18	0.00	0.00	0.00
		5	5.02	0.20	0.02	0.33	0.00	0.00	0.00
	Df	1	24.00	0.46	0.08	1.13	0.00	0.00	0.00
		2	24.00	0.16	0.02	0.23	0.00	0.00	0.00
	Dxp	1	3.50	5.38	1.69	24.01	14.99	169.66	5.45
		2	3.65	0.93	0.15	2.14	2.06	12.08	0.39
	Ec	1	3.76	6.88	1.13	16.09	43.64	258.80	8.31
		2	3.63	8.99	1.44	20.50	68.96	398.59	12.79
		3	3.51	4.46	0.64	9.12	38.78	200.88	6.45
		4	3.44	13.56	1.11	15.83	102.25	302.67	9.72

16:30-17:30	Ecf	1	3.45	1.32	0.34	4.82	8.19	75.67	2.43
		2	3.48	0.78	0.22	3.10	0.00	0.00	0.00
		3	3.52	0.38	0.06	0.87	4.58	26.48	0.85
		4	3.96	0.46	0.11	1.52	0.00	0.00	0.00
	Ef	1	15.31	10.82	2.56	36.42	67.77	578.05	7.25
		2	15.31	402.86	70.16	996.34	340.57	1686.29	21.14
	Exp	1	3.89	4.69	1.20	17.09	22.16	204.66	6.57
		2	4.03	0.53	0.06	0.86	0.00	0.00	0.00
	F	1	6.38	26.36	1.37	19.45	92.03	172.11	5.52
		2	6.43	37.96	3.11	44.17	108.03	318.70	10.23
		3	6.54	71.83	7.20	102.28	154.31	557.08	17.88
	Fc	1	19.11	1.39	0.26	3.74	11.84	80.49	1.34
		2	18.92	1.51	0.25	3.62	19.86	120.70	2.01
		3	19.66	6.08	1.41	19.98	81.31	677.73	10.34
	Ff	1	33.09	0.32	0.04	0.61	0.00	0.00	0.00
		2	33.05	0.22	0.02	0.32	0.00	0.00	0.00
	G	1	16.06	366.87	31.13	442.07	450.34	1375.37	23.47
		2	11.45	41.93	2.59	36.82	114.79	255.64	8.21
	Gf	1	2.92	20.79	1.74	24.74	90.45	272.71	8.75
		2	2.88	0.10	0.01	0.07	0.78	1.52	0.05
	xA	1	17.22	0.64	0.14	1.97	7.95	61.74	1.98
		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	120.13	23.54	334.26	142.57	1005.55	32.28
		2	8.70	13.24	2.19	31.06	67.18	399.55	12.83
	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	15.00	3.22	45.68	76.39	589.68	23.23
	E1	1	6.00	34.16	2.92	41.50	108.97	331.00	10.62
		2	6.00	130.82	19.80	281.23	235.97	1268.33	40.71
	Gf1	1	3.69	3.61	0.03	0.47	59.32	19.58	0.63
	Cc2	2	6.71	22.19	6.42	91.23	83.37	868.86	30.82
		3	7.08	11.37	2.02	28.75	79.42	509.05	15.63
		4	6.55	20.80	6.26	88.93	84.93	920.45	32.34
		5	7.98	13.35	0.97	13.74	104.55	272.88	6.08
	E2	3	4.00	169.04	14.17	201.15	213.07	642.75	20.63
		4	4.07	29.64	1.59	22.62	70.38	136.29	4.37
	TC5	2	2.76	3.71	0.74	10.51	23.11	165.87	2.08
		3	2.76	1.25	0.23	3.26	4.57	30.24	0.38
		4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	11.00	14.71	4.74	67.26	71.83	832.50	10.44
		2	11.05	6.30	1.39	19.70	44.58	353.50	4.43
		3	11.12	4.08	0.49	6.91	34.34	147.67	1.85
	TC35	1	2.90	3.34	0.05	0.78	27.79	16.37	0.21
	TC36	1	3.03	0.26	0.03	0.38	0.00	0.00	0.00
	TC37	1	3.19	1.82	0.04	0.54	23.45	17.59	0.61
	TC38	1	1.53	3.05	0.06	0.90	35.14	26.36	0.92
	TC39	2	2.54	0.37	0.07	1.05	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	41.18	3.39	48.08	111.65	330.48	11.51
	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	1.09	0.32	4.59	0.00	0.00	0.00
	49	1	3.15	1.48	0.48	6.75	0.00	0.00	0.00
		2	3.15	1.71	0.58	8.23	0.00	0.00	0.00
	50	1	5.78	1.97	0.70	9.96	0.00	0.00	0.00
	51	1	4.50	0.75	0.18	2.51	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	13.48	12.96	104.02	0.00	0.00	
		2	0.00	2.56	13.37	19.13	0.00	0.00	
		3	0.00	11.88	13.67	86.89	0.00	0.00	
		4	0.00	7.90	13.97	56.51	0.00	0.00	
	Ac	1	0.00	15.38	16.66	92.32	0.00	0.00	
		2	0.00	5.21	16.06	32.41	0.00	14.34	
		3	0.00	7.53	15.30	49.23	0.00	2.00	
	Acf	1	0.00	0.21	12.10	1.77	0.00	26.00	
		2	0.00	0.02	12.25	0.20	0.00	34.00	
	Af	1	0.00	0.54	9.31	5.83	0.00	6.00	
		2	0.00	1.58	9.25	17.09	0.00	9.71	
		3	0.00	0.05	9.22	0.59	0.00	6.00	
	B	1	0.00	4.86	16.46	29.53	0.00	0.00	
		2	0.00	25.32	16.90	149.82	0.00	0.00	
		3	0.00	9.11	17.34	52.55	0.00	0.21	
		4	0.00	4.61	17.81	25.89	0.00	0.00	
	Bc	1	0.00	6.61	23.10	28.59	0.00	4.00	
		2	0.00	18.67	22.87	81.63	0.00	4.54	
		3	0.00	11.91	22.63	52.63	0.00	8.55	
	Bcf	1	0.00	1.06	10.90	9.76	0.00	8.00	
		2	0.00	0.09	10.98	0.82	0.00	19.00	
		3	0.00	0.24	10.84	2.19	0.00	10.00	
		4	0.00	0.05	10.83	0.50	0.00	20.00	
	Bf	1	0.00	0.11	39.62	0.28	0.00	0.00	
		2	0.00	0.09	39.73	0.22	0.00	0.00	
	C	1	0.00	28.81	21.07	136.74	0.00	0.00	
		2	0.00	8.13	21.28	38.19	0.00	0.00	
		3	0.00	1.97	21.63	9.11	0.00	0.00	
	Cf	1	0.00	32.86	25.15	130.68	0.00	45.31	
		2	0.00	0.06	25.37	0.23	0.00	0.00	
	D	1	0.00	4.34	9.57	45.39	0.00	0.00	
		2	0.00	7.15	9.57	74.77	0.00	0.00	
		3	0.00	7.90	9.20	85.88	0.00	1.56	
	Dc	1	0.00	7.04	8.81	79.86	0.00	0.34	
		2	0.00	5.42	8.47	63.99	0.00	0.00	
		3	0.00	2.42	8.14	29.72	0.00	20.00	
		4	0.00	2.57	7.80	32.94	0.00	26.00	
	Dcf	1	0.00	0.34	11.47	2.96	0.00	13.00	
		2	0.00	3.15	11.46	27.44	0.00	13.69	
		3	0.00	0.13	11.93	1.05	0.00	15.00	
		4	0.00	0.01	11.60	0.11	0.00	31.00	
		5	0.00	0.02	11.64	0.20	0.00	38.00	
	Df	1	0.00	0.08	34.78	0.23	0.00	0.00	
		2	0.00	0.02	34.78	0.05	0.00	0.00	
	Dxp	1	0.00	2.95	8.11	36.43	0.00	2.00	
		2	0.00	0.21	8.46	2.46	0.00	5.00	
	Ec	1	0.00	5.21	8.71	59.85	0.00	0.00	
		2	0.00	6.52	8.42	77.44	0.00	11.00	
		3	0.00	4.87	8.13	59.93	0.00	21.00	

16:30-17:30		4	0.00	4.88	7.99	61.13	0.00	28.00	
	Ecf	1	0.00	5.13	7.99	64.23	0.00	9.99	
		2	0.00	0.22	8.06	2.70	0.00	8.00	
		3	0.00	2.37	8.16	29.00	0.00	27.31	
		4	0.00	0.11	8.76	1.22	0.00	34.00	
	Ef	1	0.00	10.64	22.18	47.97	0.00	22.68	
		2	0.00	75.84	22.18	341.92	0.00	44.36	
	Exp	1	0.00	5.76	9.01	63.88	0.00	1.00	
		2	0.00	0.06	9.34	0.65	0.00	11.00	
	F	1	0.00	2.88	14.80	19.46	0.00	0.00	
		2	0.00	5.38	14.91	36.10	0.00	0.00	
		3	0.00	10.13	15.17	66.78	0.00	0.00	
	Fc	1	0.00	1.84	31.86	5.78	0.00	13.00	
		2	0.00	3.49	31.56	11.07	0.00	23.13	
		3	0.00	14.78	31.35	47.14	0.00	18.25	
	Ff	1	0.00	0.04	47.95	0.09	0.00	0.00	
		2	0.00	0.02	47.89	0.05	0.00	0.00	
	G	1	0.00	35.34	27.16	130.13	0.00	5.06	
		2	0.00	3.94	26.54	14.83	0.00	6.51	
	Gf	1	0.00	4.57	6.76	67.59	0.00	50.38	
		2	0.00	2.32	6.69	34.75	0.00	49.04	
	xA	1	0.00	2.42	39.94	6.05	0.00	20.83	
		2	0.00	0.06	39.99	0.15	0.00	35.00	
	xB	1	0.00	0.00	13.42	0.00	0.00	0.00	
	xC	1	0.00	30.49	20.10	151.67	0.00	37.73	
		2	0.00	8.20	20.17	40.67	0.00	39.53	
	xD	1	0.00	0.00	21.17	0.00	0.00	13.00	
		2	0.00	0.00	21.35	0.00	0.00	17.00	
	xE	1	0.00	0.00	30.24	0.00	0.00	12.00	
		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	0.00	
	Cc1	1	0.00	11.73	16.67	70.36	0.00	5.05	
	E1	1	0.00	5.50	13.91	39.50	0.00	6.00	
		2	0.00	23.92	13.91	171.95	0.00	0.00	
	Gf1	1	0.00	0.48	8.57	5.63	0.00	53.86	
	Cc2	2	0.00	15.78	15.93	99.07	0.00	2.26	
		3	0.00	9.34	15.52	60.16	0.00	3.00	
		4	0.00	16.80	15.47	108.59	0.00	1.01	
		5	0.00	5.87	15.42	38.08	0.00	26.00	
	E2	3	0.00	15.17	9.27	163.71	0.00	6.58	
		4	0.00	2.43	9.45	25.75	0.00	4.00	
	TC5	2	0.00	2.77	4.01	69.05	0.00	12.00	
		3	0.00	0.50	4.00	12.61	0.00	19.00	
		4	0.00	0.00	4.25	0.00	0.00	0.00	
	TC9	1	0.00	14.69	15.95	92.08	0.00	0.00	
		2	0.00	6.32	16.02	39.42	0.00	0.00	
		3	0.00	2.46	16.12	15.27	0.00	0.00	
	TC35	1	0.00	0.27	4.20	6.49	0.00	12.00	
	TC36	1	0.00	0.03	4.39	0.61	0.00	0.00	
	TC37	1	0.00	0.29	7.71	3.80	0.00	0.00	
	TC38	1	0.00	2.43	3.71	65.60	0.00	14.00	
	TC39	2	0.00	0.07	6.13	1.20	0.00	32.00	
		3	0.00	0.06	5.79	1.04	0.00	39.00	
	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	29.00	
	TC41	1	0.00	5.62	9.50	59.13	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	0.32	9.59	3.37	0.00	0.00	
	49	1	0.00	0.48	4.56	10.42	0.00	0.00	
		2	0.00	0.58	4.56	12.69	0.00	0.00	
	50	1	0.00	0.70	8.37	8.37	0.00	0.00	
	51	1	0.00	0.18	6.52	2.71	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	✓	13.67	4.11	9.43	1.00	0.00	111.37
		2	0.00	0.00	✓	2.56	0.14	2.05	1.00	0.00	16.25
		3	0.00	0.00	✓	11.90	1.76	5.61	1.00	0.00	70.19
		4	0.00	0.00	✓	7.90	0.40	4.83	1.00	0.00	41.75
	Ac	1	0.00	0.00		15.57	3.98	10.99	1.00	0.00	136.19
		2	0.00	0.00	✓	5.21	0.13	0.70	1.00	0.00	6.15
		3	0.00	0.00	✓	7.53	0.28	2.21	1.00	0.00	18.51
	Acf	1	0.00	0.00		0.21			1.00	0.00	3.04
		2	0.00	0.00	✓	0.02			1.00	0.00	0.35
	Af	1	0.00	0.00	✓	0.54			1.00	0.00	7.71
		2	0.00	0.00	✓	1.58			1.00	0.00	2.16
		3	0.00	0.00	✓	0.05			1.00	0.00	0.77
	B	1	0.00	0.00	✓	4.88	0.98	4.80	1.00	0.00	48.06
		2	0.00	0.00		31.43	22.79	30.12	1.00	0.00	334.66
		3	0.00	0.00	✓	9.60	4.45	9.35	1.00	0.00	105.57
		4	0.00	0.00	✓	4.62	0.78	4.48	1.00	0.00	37.98
	Bc	1	0.00	0.00	✓	6.61	0.41	4.23	1.00	0.00	31.72
		2	0.00	0.00	✓	18.90	4.88	8.37	1.00	0.00	118.40
		3	0.00	0.00	✓	11.91	0.31	0.86	1.00	0.00	10.05
	Bcf	1	0.00	0.00		1.07			1.00	0.00	15.11
		2	0.00	0.00	✓	0.09			1.00	0.00	1.27
		3	0.00	0.00	✓	0.24			1.00	0.00	3.37
		4	0.00	0.00	✓	0.05			1.00	0.00	0.77
	Bf	1	0.00	0.00	✓	0.11			1.00	0.00	1.60
		2	0.00	0.00	✓	0.09			1.00	0.00	1.22
	C	1	0.00	0.00	✓	31.54	18.70	31.54	1.00	0.00	361.51
		2	0.00	0.00	✓	8.18	1.85	7.67	1.00	0.00	68.11
		3	0.00	0.00	✓	1.97	0.06	1.93	1.00	0.00	13.09
	Cf	1	0.00	0.00		45.08			1.00	0.00	401.06
		2	0.00	0.00	✓	0.06			1.00	0.00	0.82
	D	1	0.00	0.00	✓	4.34	0.53	4.27	1.00	0.00	39.42
		2	0.00	0.00	✓	7.26	2.35	6.97	1.00	0.00	75.56
		3	0.00	0.00	✓	8.04	2.72	7.79	1.00	0.00	84.93
	Dc	1	0.00	0.00	✓	7.04	0.47	6.81	1.00	0.00	39.32
		2	0.00	0.00	✓	5.42	0.46	5.13	1.00	0.00	27.98
		3	0.00	0.00	✓	2.42	0.03	2.15	1.00	0.00	8.40
		4	0.00	0.00	✓	2.57	0.06	2.39	1.00	0.00	12.15
	Dcf	1	0.00	0.00	✓	0.34			1.00	0.00	4.83
		2	0.00	0.00	✓	3.15			1.00	0.00	16.12
		3	0.00	0.00	✓	0.13			1.00	0.00	1.79
		4	0.00	0.00	✓	0.01			1.00	0.00	0.18
		5	0.00	0.00	✓	0.02			1.00	0.00	0.33
	Df	1	0.00	0.00	✓	0.08			1.00	0.00	1.13
		2	0.00	0.00	✓	0.02			1.00	0.00	0.23
	Dxp	1	0.00	0.00	✓	2.96	1.46	2.95	1.00	0.00	29.46
		2	0.00	0.00	✓	0.21	0.14	0.21	1.00	0.00	2.53
		1	0.00	0.00	✓	5.21	0.20	3.40	1.00	0.00	24.40

16:30-17:30	Ec	2	0.00	0.00	✓	6.52	0.16	5.25	1.00	0.00	33.29
		3	0.00	0.00	✓	4.87	0.12	2.35	1.00	0.00	15.57
		4	0.00	0.00	✓	4.88	0.03	4.69	1.00	0.00	25.55
	Ecf	1	0.00	0.00	✓	5.13			1.00	0.00	7.25
		2	0.00	0.00	✓	0.22			1.00	0.00	3.10
		3	0.00	0.00	✓	2.37			1.00	0.00	1.72
		4	0.00	0.00	✓	0.11			1.00	0.00	1.52
	Ef	1	0.00	0.00		10.65			1.00	0.00	43.67
		2	0.00	0.00		141.81			1.00	0.00	1017.48
	Exp	1	0.00	0.00	✓	5.76	0.64	2.29	1.00	0.00	23.66
		2	0.00	0.00	✓	0.06	0.06	0.06	1.00	0.00	0.86
	F	1	0.00	0.00	✓	2.88	0.23	2.82	1.00	0.00	24.97
		2	0.00	0.00	✓	5.41	1.23	5.33	1.00	0.00	54.40
		3	0.00	0.00	✓	10.91	5.55	10.66	1.00	0.00	120.17
	Fc	1	0.00	0.00		1.84	0.17	1.34	1.00	0.00	5.08
		2	0.00	0.00		3.49	0.14	1.31	1.00	0.00	5.63
		3	0.00	0.00	✓	14.78	0.32	5.76	1.00	0.00	30.32
	Ff	1	0.00	0.00	✓	0.04			1.00	0.00	0.61
		2	0.00	0.00	✓	0.02			1.00	0.00	0.32
	G	1	0.00	0.00		38.97	31.39	38.43	1.00	0.00	465.55
		2	0.00	0.00		3.94	0.23	3.94	1.00	0.00	45.02
	Gf	1	0.00	0.00		4.57			1.00	0.00	33.49
		2	0.00	0.00		2.32			1.00	0.00	0.12
	xA	1	0.00	0.00		2.42			1.00	0.00	3.95
		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		36.01			1.00	0.00	366.53
		2	0.00	0.00		8.22			1.00	0.00	43.88
	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		11.73	0.85	6.18	1.00	0.00	68.91
	E1	1	0.00	0.00		5.50	0.45	5.48	1.00	0.00	52.13
		2	0.00	0.00		27.62	16.63	27.62	1.00	0.00	321.94
	Gf1	1	0.00	0.00		0.48			1.00	0.00	1.10
	Cc2	2	0.00	0.00	✓	15.88	3.42	11.02	1.00	0.00	122.05
		3	0.00	0.00	✓	9.34	0.34	6.13	1.00	0.00	44.38
		4	0.00	0.00	✓	16.90	3.48	10.67	1.00	0.00	121.27
		5	0.00	0.00	✓	5.87	0.03	4.37	1.00	0.00	19.83
	E2	3	0.00	0.00		18.76	15.95	18.76	1.00	0.00	221.78
		4	0.00	0.00		2.43	0.11	2.27	1.00	0.00	26.99
	TC5	2	0.00	0.00		2.77	0.22	2.77	1.00	0.00	12.59
		3	0.00	0.00		0.50	0.17	0.50	1.00	0.00	3.64
		4	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC9	1	0.00	0.00	✓	14.73	2.60	9.87	1.00	0.00	77.70
		2	0.00	0.00	✓	6.32	0.39	4.98	1.00	0.00	24.14
		3	0.00	0.00	✓	2.46	0.07	2.34	1.00	0.00	8.77
	TC35	1	0.00	0.00		0.27	0.00	0.27	1.00	0.00	0.98
	TC36	1	0.00	0.00	✓	0.03			1.00	0.00	0.38
	TC37	1	0.00	0.00	✓	0.29	0.00	0.29	1.00	0.00	1.15
	TC38	1	0.00	0.00		2.43			1.00	0.00	1.82
	TC39	2	0.00	0.00		0.07			1.00	0.00	1.05
		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	✓	5.66	1.55	5.58	1.00	0.00	59.59

	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	✓	0.32			1.00	0.00	4.59
	49	1	0.00	0.00	✓	0.48			1.00	0.00	6.75
		2	0.00	0.00	✓	0.58			1.00	0.00	8.23
	50	1	0.00	0.00	✓	0.70			1.00	0.00	9.96
	51	1	0.00	0.00	✓	0.18			1.00	0.00	2.51

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	19/07/2021 20:08:00	19/07/2021 20:08:13	16:30	60	6186.31	383.43	126.63	Ef/2	14	10	TC5/4	Ef/2	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	127	-100	70640	4784	19.54	5444.66	741.65	6186.31

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	70640	70467	840	✓	127	✓	-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	19.54	383.43	5444.66	42.19	29239.08	741.65

Network Results: Queues and blocking

Time Segment	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))
16:30-17:30	341.92	0.00	1300.80

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	6186.31

Point to Point Journey Time

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	216.8	246.5	193.4	165.1	248.9	193.2	180.0	0.0
	B28	195.0	0.0	444.3	123.2	390.2	148.5	148.4	0.0
	C28	199.3	280.8	0.0	92.6	93.5	137.7	145.3	0.0
	D28	135.1	301.5	231.7	0.0	237.0	102.6	111.9	0.0
	E28	236.7	958.5	312.3	78.5	0.0	112.9	120.5	0.0
	F28	108.1	316.0	153.5	145.7	153.9	0.0	17.1	0.0
	G28	80.8	231.8	131.8	113.7	128.9	146.0	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Calculated Total Flow (PCU/hr)	Avg journey time (s)
23	C28	A28	276	199.37	276	199.37

24	C28	C28	0	0.00	0	0.00
25	C28	C28	0	0.00	0	0.00
32	C28	E28	99	93.45	99	93.45
36	C28	E28	0	0.00	0	0.00
41	E28	A28	453	242.10	453	242.10
42	E28	C28	46	313.97	46	313.97
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	181	92.65	181	92.65
50	E28	D28	114	78.48	114	78.48
68	E28	G28	97	121.37	97	121.37
86	F28	D28	81	145.67	81	145.67
91	C28	F28	8	137.67	8	137.67
92	E28	F28	6	112.89	6	112.89
96	A28	C28	71	289.52	71	289.52
97	G28	D28	0	0.00	0	0.00
98	G28	E28	0	0.00	0	0.00
99	C28	B28	29	228.56	29	228.56
100	E28	B28	245	595.76	245	595.76
101	E28	E28	0	0.00	0	0.00
102	A28	C28	223	138.73	223	138.73
103	F28	B28	0	0.00	0	0.00
104	C28	G28	223	145.69	223	145.69
105	D28	H28	0	0.00	0	0.00
106	G28	C28	460	136.84	460	136.84
107	A28	B28	26	192.87	26	192.87
108	B28	G28	125	139.98	125	139.98
109	C28	G28	64	144.03	64	144.03
110	E28	G28	67	119.31	67	119.31
111	B28	G28	19	155.90	19	155.90
112	F28	G28	75	17.11	75	17.11
113	F28	A28	104	108.15	104	108.15
114	C28	H28	0	0.00	0	0.00
115	B28	C28	4	441.09	4	441.09
116	F28	C28	7	173.30	7	173.30
117	H28	H28	0	0.00	0	0.00
118	F28	C28	35	145.90	35	145.90
119	F28	E28	14	161.64	14	161.64
120	F28	E28	14	146.14	14	146.14
121	A28	A28	2	216.36	2	216.36
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	7	152.73	7	152.73
130	G28	C28	250	134.39	250	134.39
131	G28	E28	72	150.92	72	150.92
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	2	250.48	2	250.48
140	D28	D28	0	0.00	0	0.00
141	D28	E28	2	246.94	2	246.94
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	659.80	4	659.80
150	E28	B28	382	1191.22	382	1191.22
151	B28	A28	0	0.00	0	0.00
152	H28	B28	0	0.00	0	0.00
153	F28	B28	27	316.02	27	316.02
154	E28	A28	24	133.84	24	133.84
155	E28	C28	0	0.00	0	0.00
156	C28	G28	60	145.40	60	145.40
157	H28	B28	0	0.00	0	0.00
158	B28	D28	177	123.17	177	123.17
159	B28	E28	108	120.88	108	120.88
160	B28	G28	111	156.54	111	156.54
161	B28	F28	7	148.53	7	148.53
162	B28	H28	0	0.00	0	0.00
163	B28	A28	18	195.04	18	195.04
164	B28	B28	0	0.00	0	0.00
165	B28	B28	0	0.00	0	0.00
166	B28	C28	94	444.47	94	444.47
167	B28	E28	405	462.01	405	462.01
168	G28	A28	793	80.75	793	80.75
169	G28	B28	158	285.72	158	285.72
170	G28	B28	158	177.98	158	177.98
171	G28	H28	0	0.00	0	0.00
175	G28	C28	110	109.36	110	109.36
176	G28	E28	123	125.17	123	125.17
177	G28	D28	130	110.04	130	110.04
178	G28	E28	57	109.00	57	109.00
181	G28	G28	0	0.00	0	0.00
185	A28	B28	26	300.14	26	300.14
186	A28	C28	59	284.44	59	284.44
187	A28	E28	218	303.46	218	303.46
195	D28	G28	153	112.12	153	112.12
196	D28	F28	14	102.57	14	102.57
197	D28	G28	20	109.94	20	109.94
198	D28	A28	5	135.06	5	135.06
199	D28	B28	145	346.72	145	346.72
200	D28	B28	145	239.55	145	239.55
201	D28	C28	180	235.34	180	235.34
204	D28	C28	45	217.43	45	217.43
205	D28	E28	12	236.20	12	236.20
206	D28	D28	0	0.00	0	0.00
207	D28	E28	2	219.75	2	219.75
210	A28	G28	257	168.05	257	168.05
211	A28	H28	0	0.00	0	0.00
212	A28	D28	13	165.09	13	165.09
213	A28	E28	175	165.51	175	165.51
214	G28	G28	0	0.00	0	0.00
215	G28	F28	10	146.04	10	146.04

218	A28	G28	135	201.23	135	201.23
219	A28	F28	14	193.21	14	193.21
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	299.81	53	299.81
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	200.59	10	200.59
232	A28	H28	0	0.00	0	0.00
233	B28	H28	0	0.00	0	0.00
234	C28	G28	41	145.05	41	145.05
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	382.20	44	382.20
239	D28	B28	43	275.03	43	275.03
240	G28	C28	50	120.97	50	120.97
241	E28	C28	0	0.00	0	0.00
242	H28	C28	0	0.00	0	0.00
243	G28	D28	11	157.01	11	157.01
244	G28	E28	0	0.00	0	0.00
245	C28	C28	0	0.00	0	0.00
246	E28	C28	46	310.54	46	310.54
247	E28	E28	0	0.00	0	0.00
248	D28	C28	31	231.42	31	231.42
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	7	170.45	7	170.45
253	F28	E28	0	0.00	0	0.00
254	A28	A28	2	217.19	2	217.19
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	196.79	10	196.79
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	897 <	2050	28	0.00	91	-1	30.79	25.20	77.09	13.48 +
	2	(untitled)	6	771-2	E	400	2050	28	0.00	40	123	13.47	7.71	31.91	2.56
	3	(untitled)	6	771-2	E	807	2050	28	0.00	81	11	22.56	16.66	66.19	11.88
	4	(untitled)	6	771-2	E	574	2050	28	0.00	58	55	18.79	12.77	69.70	7.90
Ac	1	(untitled)	6	771-2	D	783	2263	22	0.00	90	0	44.18	37.00	86.91	15.38
	2	(untitled)	6	771-2	D	290	2263	22	14.34	39	130	13.29	3.79	36.73	5.21
	3	(untitled)	6	771-2	D	452	2263	22	2.00	52	73	12.97	6.37	49.39	7.53
Acf	1	(untitled)	6			1073	2263	60	26.00	47	90	5.94	0.72	0.00	0.21
	2	(untitled)	6			452	2263	60	34.00	20	351	7.44	0.20	0.00	0.02
Af	1	(untitled)	6			1297	2050	60	6.00	63	42	7.93	1.51	0.00	0.54
	2	(untitled)	6			807	2050	60	9.71	40	126	6.99	0.61	2.21	1.58
	3	(untitled)	6			574	2050	60	6.00	28	221	6.70	0.34	0.00	0.05
B	1	(untitled)	1	769-1	B	275	2050	10	0.00	73	23	42.86	35.76	104.99	4.86
	2	(untitled)	1	769-1	B	401 <	2150	10	0.00	102	-12	193.95	186.67	311.43	25.32 +
	3	(untitled)	1	769-1	B	347	2100	10	0.21	92	-2	72.68	65.20	146.58	9.11
	4	(untitled)	1	769-1	B	261	2050	10	0.00	69	30	45.84	33.55	105.27	4.61
	1	(untitled)	1	769-1	A	777	2050	38	4.00	58	54	19.76	7.81	44.96	6.61
Bc	2	(untitled)	1	769-1	A	1113	2050	38	4.54	92	-2	33.84	22.61	87.95	18.07
	3	(untitled)	1	769-1	A	633	2050	38	8.55	54	67	14.84	3.13	15.87	11.91
Bcf	1	(untitled)	1			1680	2263	60	8.00	74	21	6.63	2.28	0.00	1.06
	2	(untitled)	1			777	2263	60	19.00	34	162	5.79	0.42	0.00	0.09
	3	(untitled)	1			1113	2263	60	10.00	49	83	6.64	0.77	0.00	0.24
	4	(untitled)	1			633	2263	60	20.00	28	222	6.65	0.31	0.00	0.05
Bf	1	(untitled)	1			676	1800	60	0.00	38	140	27.94	0.60	0.00	0.11
	2	(untitled)	1			608	1800	60	0.00	34	166	27.92	0.51	0.00	0.09
C	1	(untitled)	2	769-2	G	481 <	2100	13	0.00	98	-8	194.40	179.87	333.05	28.81 +
	2	(untitled)	2	769-2	G	422	2200	13	0.00	82	9	51.98	37.29	113.95	8.13
	3	(untitled)	2	769-2	G	143	2050	13	0.00	30	201	35.51	20.58	82.65	1.97
Cf	1	(untitled)	2			503 <	1965	60	45.31	105	-14	209.67	192.31	323.18	32.86 +
	2	(untitled)	2			565	1965	60	0.00	29	213	17.87	0.37	0.00	0.06
D	1	(untitled)	3	770-1	B	280	2050	12	0.00	63	43	32.27	28.15	92.71	4.34
	2	(untitled)	3	770-1	B	342	1850	12	0.00	85	5	50.34	46.21	120.43	7.15
	3	(untitled)	3	770-1	B	373	2250	12	1.56	87	4	51.70	47.73	122.82	7.90
Dc	1	(untitled)	3	770-1	A	825	2100	38	0.34	61	48	11.70	7.90	51.41	7.04
	2	(untitled)	3	770-1	A	822	2100	38	0.00	60	49	9.18	5.52	38.16	5.42
	3	(untitled)	3	770-1	A	306	2100	38	20.00	22	301	7.04	3.53	42.22	2.42
	4	(untitled)	3	770-1	A	404	2100	38	26.00	30	204	7.83	4.47	38.75	2.57
Dcf	1	(untitled)	3			1132	2050	60	13.00	55	63	6.03	1.08	0.00	0.34
	2	(untitled)	3			1410	2100	60	13.69	70	28	7.11	2.16	9.02	3.15
	3	(untitled)	3			822	2100	60	15.00	39	130	5.94	0.55	0.00	0.13
	4	(untitled)	3			306	2100	60	31.00	15	518	6.81	0.15	0.00	0.01
	5	(untitled)	3			404	2100	60	38.00	19	368	5.22	0.20	0.00	0.02
Df	1	(untitled)	3-2			622	1900	60	0.00	33	175	24.46	0.46	0.00	0.08
	2	(untitled)	3-2			373	2250	60	0.00	17	443	24.16	0.16	0.00	0.02
Dxp	1	(untitled)	3-2	770-2	D	1132	2050	41	2.00	79	14	8.87	5.38	14.99	2.95
	2	(untitled)	3-2	770-2	D	585	2050	41	5.00	41	121	4.58	0.93	2.06	0.21
Ec	1	(untitled)	4	770-3	F	593	2150	35	0.00	46	96	10.64	6.88	43.64	5.21
	2	(untitled)	4	770-3	F	578	2263	35	11.00	43	111	12.62	8.99	68.96	6.52
	3	(untitled)	4	770-3	F	518	2263	35	21.00	38	136	7.97	4.46	38.78	4.87
	4	(untitled)	4	770-3	F	296	2250	35	28.00	22	310	17.00	13.56	102.25	4.88
Ecf	1	(untitled)	4			924	2100	60	9.99	45	98	4.77	1.32	8.19	5.13
	2	(untitled)	4			1003	2100	60	8.00	48	88	4.26	0.78	0.00	0.22
	3	(untitled)	4			578	2263	60	27.31	27	239	3.90	0.38	4.58	2.37
	4	(untitled)	4			847	2300	60	34.00	37	144	4.42	0.46	0.00	0.11

Ef	**1**	(untitled)	4			853	1900	60	22.68	72	25	26.13	10.82	67.77	10.64
	2	(untitled)	4			627 <	1900	60	44.36	127	-29	418.16	402.86	340.57	75.84 +
Exp	**1**	(untitled)	4-2	770-4	L	924	2050	40	1.00	66	36	8.58	4.69	22.16	5.76
	2	(untitled)	4-2	770-4	L	410	2050	40	11.00	29	207	4.56	0.53	0.00	0.06
F	**1**	(untitled)	5	771-1	B	187	2100	10	0.00	49	85	32.75	26.36	92.03	2.88
	2	(untitled)	5	771-1	B	295	2100	10	0.00	77	17	44.39	37.96	108.03	5.38
	3	(untitled)	5	771-1	B	361	2100	10	0.00	94	-4	78.38	71.83	154.31	10.13
Fc	**1**	(untitled)	5	771-1	A	680	2263	40	13.00	44	105	20.50	1.39	11.84	1.84
	2	(untitled)	5	771-1	A	608	2263	40	23.13	40	123	20.43	1.51	19.86	3.49
	3	(untitled)	5	771-1	A	833	2263	40	18.25	54	66	25.74	6.08	81.31	14.78
Ff	**1**	(untitled)	5			482	1900	60	0.00	25	255	33.41	0.32	0.00	0.04
	2	(untitled)	5			361	1900	60	0.00	19	374	33.27	0.22	0.00	0.02
G	**1**	(untitled)	2	769-2	F	305 <	2050	13	5.06	100	-10	382.93	366.87	450.34	35.34 +
	2	(untitled)	2	769-2	F	223	2050	13	6.51	48	86	53.37	41.93	114.79	3.94
Gf	**1**	(untitled)	4			302	2050	60	50.38	28	222	23.71	20.79	90.45	4.57
	2	(untitled)	4			194	2050	60	49.04	9	852	2.98	0.10	0.78	2.32
xA	**1**	(untitled)	10			777	2263	60	20.83	35	154	17.87	0.64	7.95	2.42
	2	(untitled)	10			662	2263	60	35.00	29	208	17.58	0.33	0.00	0.06
xB	**1**	(untitled)				1680	Unrestricted	60	0.00	0	Unrestricted	5.79	0.00	0.00	0.00
xC	**1**	(untitled)				705 <	1900	60	37.73	100	-10	128.80	120.13	142.57	30.49 +
	2	(untitled)				595	1900	60	39.53	77	17	21.94	13.24	67.18	8.20
xD	**1**	(untitled)				1132	Unrestricted	60	13.00	0	Unrestricted	9.13	0.00	0.00	0.00
	2	(untitled)				585	Unrestricted	60	17.00	0	Unrestricted	9.21	0.00	0.00	0.00
xE	**1**	(untitled)				924	Unrestricted	60	12.00	0	Unrestricted	13.04	0.00	0.00	0.00
	2	(untitled)				410	Unrestricted	60	20.00	0	Unrestricted	13.04	0.00	0.00	0.00
xF	**1**	(untitled)				705	Unrestricted	60	0.00	0	Unrestricted	12.19	0.00	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	772	2050	32	5.05	71	27	21.54	15.00	76.39	11.73
E1	**1**	(untitled)	4	770-3	G	308	2050	14	6.00	60	50	40.16	34.16	108.97	5.50
	2	(untitled)	4	770-3	G	545 <	2200	14	0.00	99	-9	136.82	130.82	235.97	23.92 +
Gf1	**1**	(untitled)	4			33	650	60	53.86	6	1487	7.30	3.61	59.32	0.48
Cc2	**2**	(untitled)	2	769-2	D	1042	2150	33	2.26	89	1	28.90	22.19	83.37	15.78
	3	(untitled)	2	769-2	D	641	2050	33	3.00	55	63	18.45	11.37	79.42	9.34
	4	(untitled)	2	769-2	D	1084 <	2150	33	1.01	89	1	27.36	20.80	84.93	16.80 +
	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	302 <	2150	14	6.58	100	-10	173.04	169.04	213.07	15.17 +
	4	(untitled)	4	770-3	H	193	2050	14	4.00	38	138	33.71	29.64	70.38	2.43
TC5	**2**	(untitled)	TC771-6	TC777-1	A	718	2263	38	12.00	48	89	6.48	3.71	23.11	2.77
	3	(untitled)	TC771-6	TC777-1	A	662	2263	38	19.00	44	105	4.01	1.25	4.57	0.50
	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	1159	1925	39	0.00	86	5	25.72	14.71	71.83	14.69
	2	(untitled)	TC771-6	TC777-1	B	793	1966	39	0.00	58	56	17.35	6.30	44.58	6.32
	3	(untitled)	TC771-6	TC777-1	B	430	1947	39	0.00	32	185	15.20	4.08	34.34	2.46
TC35	**1**	(untitled)	TC771-6	TC777-1	A	59	1900	38	12.00	5	1835	6.23	3.34	27.79	0.27
TC36	**1**	(untitled)	TC771-6			371	1800	60	0.00	21	337	3.29	0.26	0.00	0.03
TC37	**1**	(untitled)	TC771-6	TC777-2	J	75	1850	45	0.00	5	1602	5.01	1.82	23.45	0.29
TC38	**1**	(untitled)	TC771-6			75	448	60	14.00	17	437	4.58	3.05	35.14	2.43
TC39	**2**	(untitled)	TC771-6			718	2263	60	32.00	32	184	2.91	0.37	0.00	0.07
	3	(untitled)	TC771-6			662	2263	60	39.00	29	208	2.73	0.33	0.00	0.06

TC40	2	(untitled)	TC771-6			793	Unrestricted	60	14.00	0	Unrestricted	4.23	0.00	0.00	0.00
	3	(untitled)	TC771-6			662	Unrestricted	60	29.00	0	Unrestricted	4.02	0.00	0.00	0.00
TC41	1	(untitled)	TC771-6	TC777-1	D	296	1850	11	0.00	80	12	45.12	41.18	111.65	5.62
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			1068	1965	60	0.00	54	66	7.70	1.09	0.00	0.32
49	1	(untitled)	TC771-6			1159	1900	60	0.00	61	48	4.63	1.48	0.00	0.48
	2	(untitled)	TC771-6			1223	1900	60	0.00	64	40	4.85	1.71	0.00	0.58
50	1	(untitled)	1			1284	1900	60	0.00	68	33	7.74	1.97	0.00	0.70
51	1	(untitled)	4-2			843	1900	60	0.00	44	103	5.25	0.75	0.00	0.18

Pedestrian Crossing Results

				SIGNALS		FLOWS		PERFORMANCE			PER PED		QUEUES	WEIGHTS	P
Pedestrian	Side	Name	Traffic node	Controller stream	Phase	Calculated Flow Entering (Ped/hr)	Calculated sat flow (Ped/hr)	Actual green (s (per cycle))	Degree of saturation (%)	Practical reserve capacity	JourneyTime (s)	Mean Delay per Ped (s)	Mean max queue (Ped)	Delay weighting (%)	(
1	1	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	
2	1	(untitled)	3	770-1	C	0	11000	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	6330.66	546.75	11.58	383.43	5444.66	741.65	0.00	6186.31
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	6330.66	546.75	11.58	383.43	5444.66	741.65	0.00	6186.31

- *< = 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***