TRANSYT 15

Version: 15.5.2.7994

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Filename: M62 JN 28 CRF Scheme_Mar 20- Scenario 1.t15
Path: Z:\Projects\10127ITM Capitol Park, Leeds F2 (F1A)\Tech\Transyt\TRANSYT - AGREED HE_LCC BASE MODEL (MARCH 2020)\Post-Submission Work\2033 Sensitivity Test
Report generation date: 19/07/2021 19:56:42

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

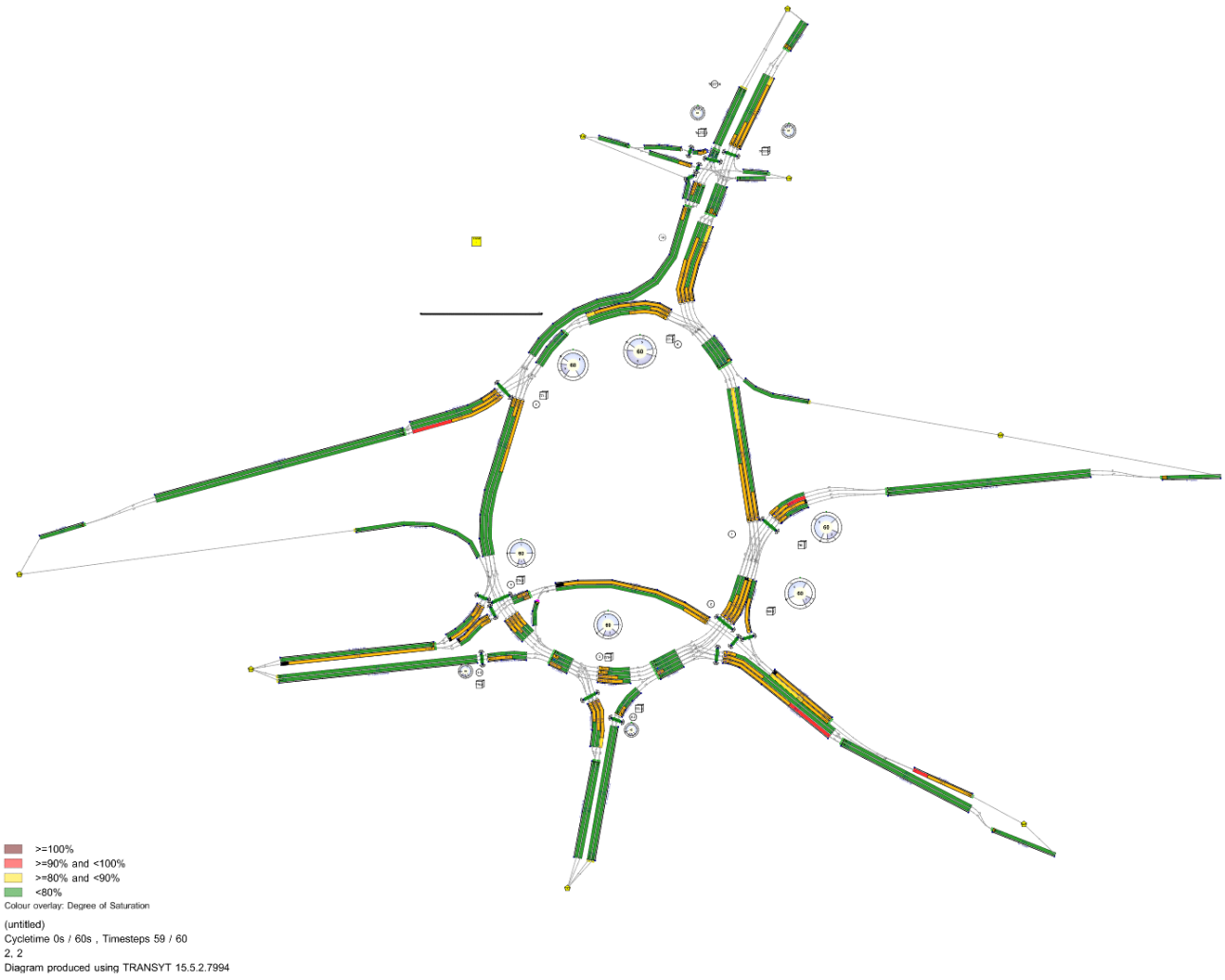
Units

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 - PM Base
D2 - PM 2033*

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 19:55:09	19/07/2021 19:55:21	16:30	60	4463.09	270.39	111.24	Ef/2	10	7	TC5/4	Ef/2	TC5

Analysis Set Details

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

Demand Set Details

Name	Description	Composite	Demand sets	Start time (HH:mm)	Locked
PM 2033				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	852	852
	2	368	368
	3	767	767
	4	510	510
Ac	1	774	774
	2	278	278
	3	441	441
Acf	1	1052	1052
	2	441	441
Af	1	1220	1220
	2	767	767
	3	510	510
B	1	266	266
	2	397	397
	3	341	341
	4	260	260
Bc	1	733	733
	2	1062	1062
	3	569	569
	1	1626	1626

Bcf	**2**	733	733
	3	1062	1062
	4	569	569
Bf	**1**	663	663
	2	601	601
C	**1**	464	464
	2	398	398
	3	143	143
Cf	**1**	464	464
	2	541	541
D	**1**	273	273
	2	320	320
	3	363	363
Dc	**1**	798	798
	2	769	769
	3	278	278
	4	403	403
Dcf	**1**	1102	1102
	2	1348	1348
	3	769	769
	4	278	278
	5	403	403
Df	**1**	593	593
	2	363	363
Dxp	**1**	1102	1102
	2	550	550
Ec	**1**	540	540
	2	528	528
	3	518	518
	4	291	291
Ecf	**1**	896	896
	2	944	944
	3	528	528
	4	836	836
Ef	**1**	825	825
	2	581	581
Exp	**1**	896	896
	2	404	404
F	**1**	178	178
	2	283	283
	3	351	351
Fc	**1**	622	622
	2	609	609
	3	824	824
Ff	**1**	461	461
	2	351	351
G	**1**	340	340
	2	269	269
Gf	**1**	336	336
	2	245	245
xA	**1**	710	710
	2	663	663
xB	**1**	1626	1626
xC	**1**	715	715
	2	628	628
xD	**1**	1102	1102
	2	550	550

xE	1	896	896
	2	404	404
xF	1	647	647
Cc1	1	733	733
E1	1	292	292
	2	533	533
Gf1	1	28	28
Cc2	2	1016	1016
	3	584	584
	4	1035	1035
	5	260	260
E2	3	336	336
	4	245	245
TC5	2	674	674
	3	663	663
	4	0	0
TC9	1	1138	1138
	2	762	762
	3	416	416
TC35	1	36	36
TC36	1	221	221
TC37	1	40	40
TC38	1	40	40
TC39	2	674	674
	3	663	663
TC40	2	714	714
	3	663	663
TC41	1	181	181
TC42	1	0	0
TC43	1	0	0
47	1	1342	1342
48	1	1005	1005
49	1	1138	1138
	2	1178	1178
50	1	1264	1264
51	1	812	812

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	344	13	442	8	424	0
	B28	18	0	90	170	482	5	240	0
	C28	281	28	0	175	98	6	368	0
	D28	5	365	248	0	16	8	170	0
	E28	467	581	89	107	1	4	157	0
	F28	65	15	42	43	16	0	40	0
	G28	787	301	839	139	245	5	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

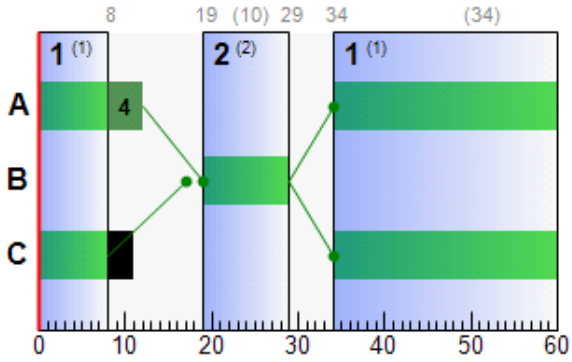
Resultant Phase Green Periods

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

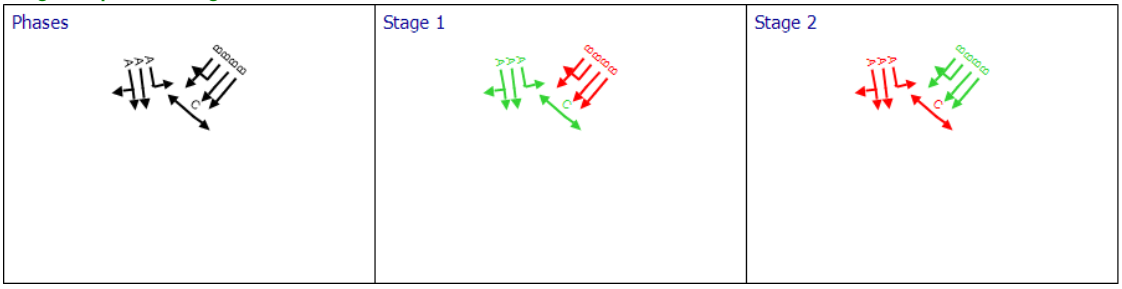
Traffic Stream Green Times

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

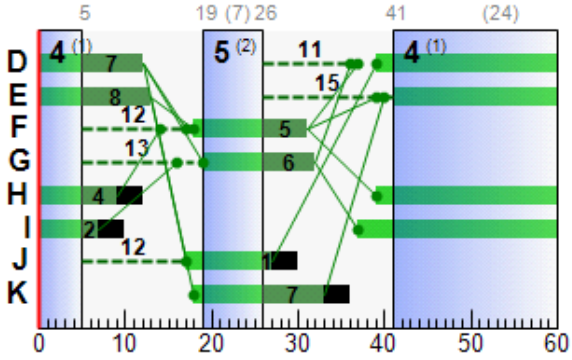
Resultant Phase Green Periods

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

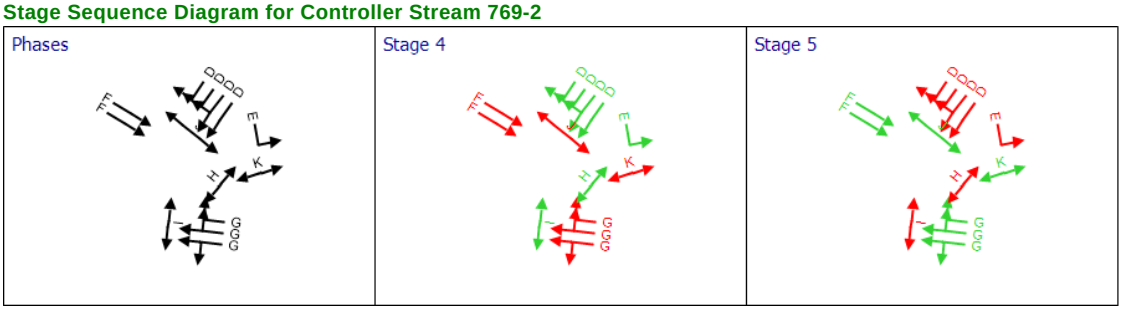
Traffic Stream Green Times

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

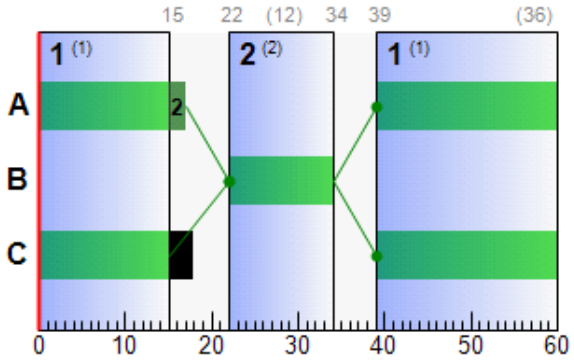
Resultant Phase Green Periods

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

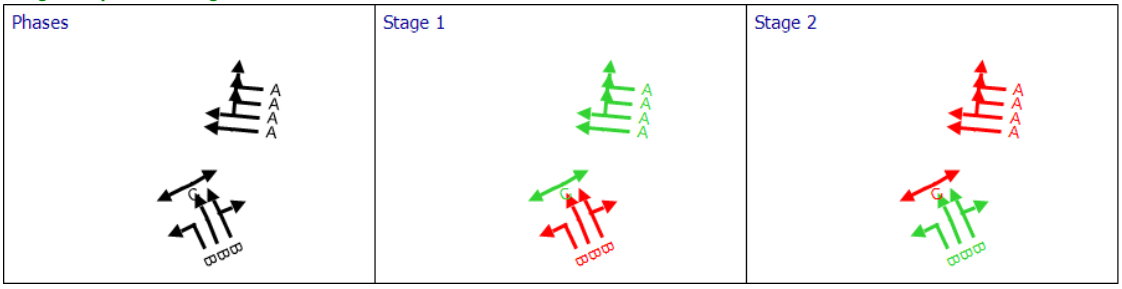
Traffic Stream Green Times

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

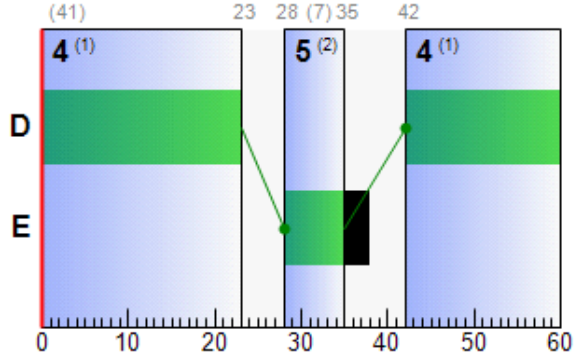
Resultant Phase Green Periods

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

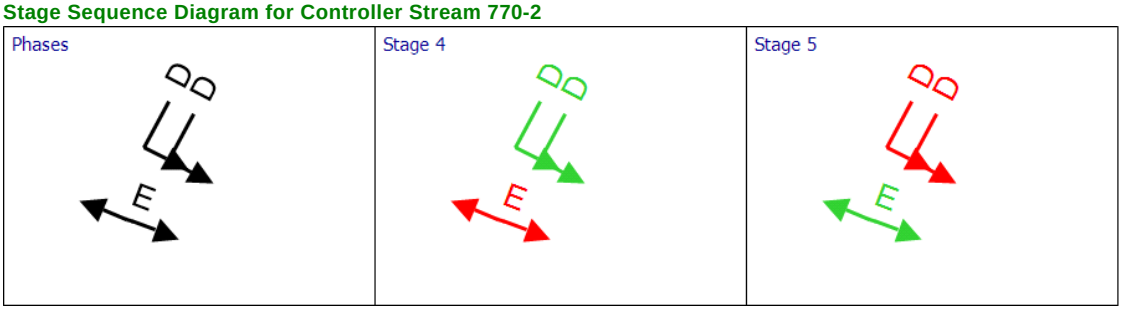
Traffic Stream Green Times

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

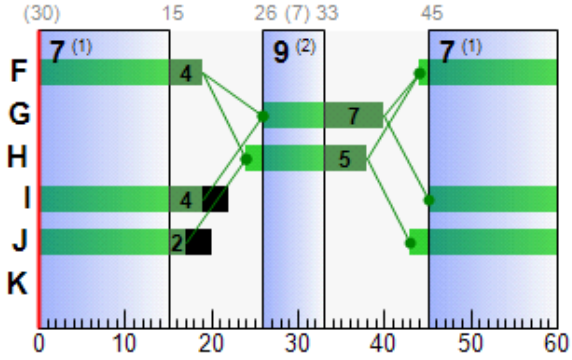
Resultant Phase Green Periods

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

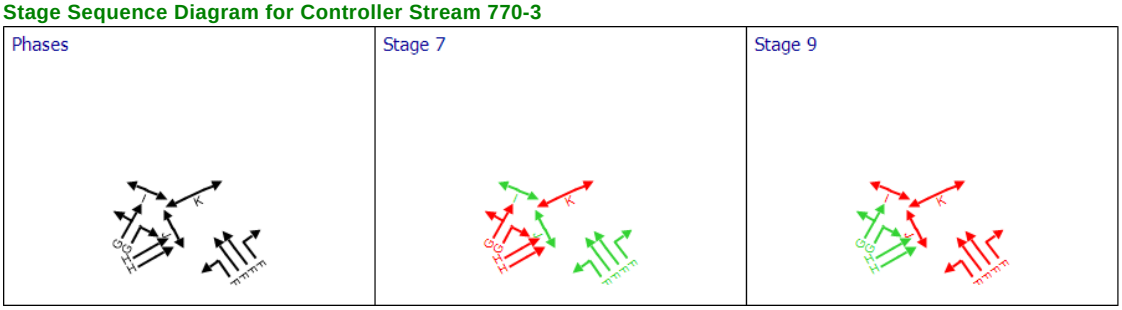
Traffic Stream Green Times

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

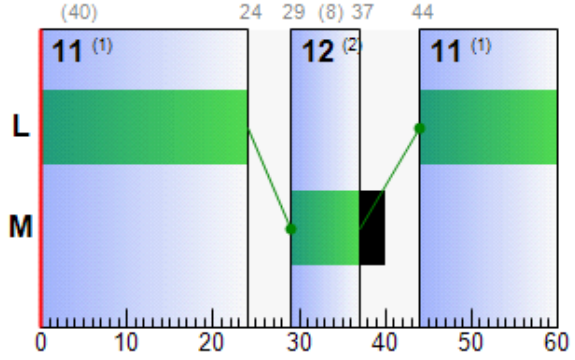
Resultant Phase Green Periods

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

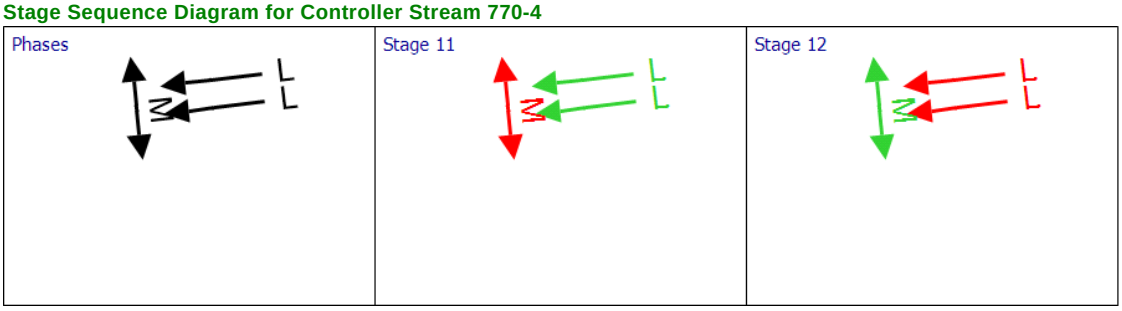
Traffic Stream Green Times

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

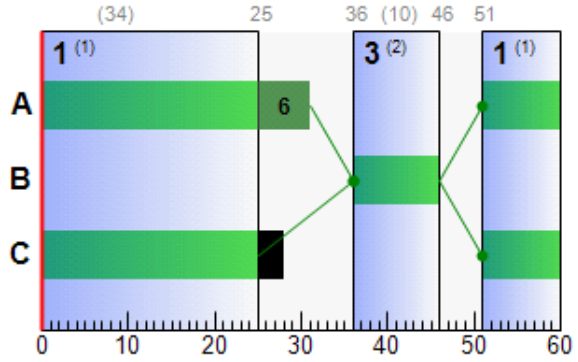
Resultant Phase Green Periods

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

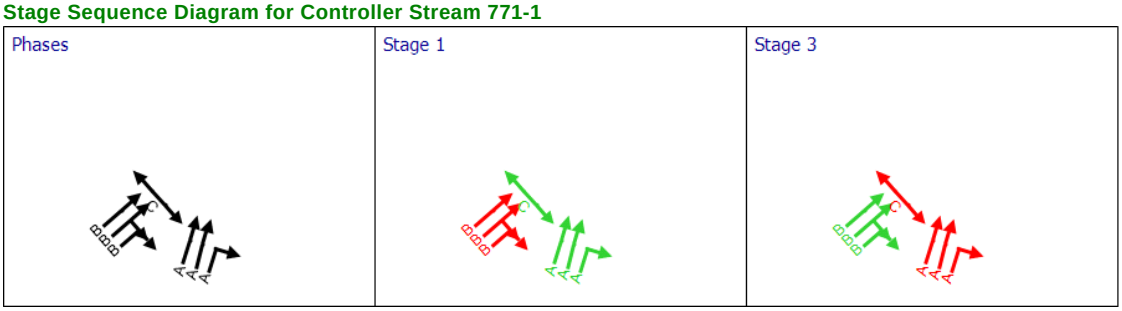
Traffic Stream Green Times

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

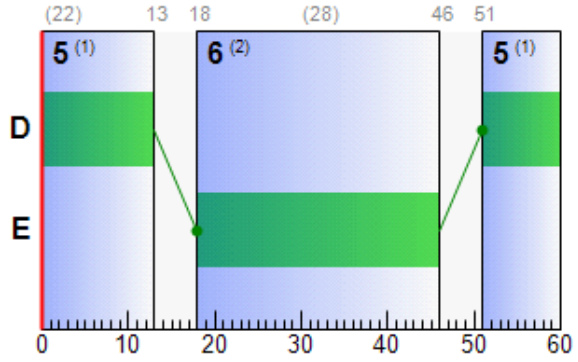
Resultant Phase Green Periods

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

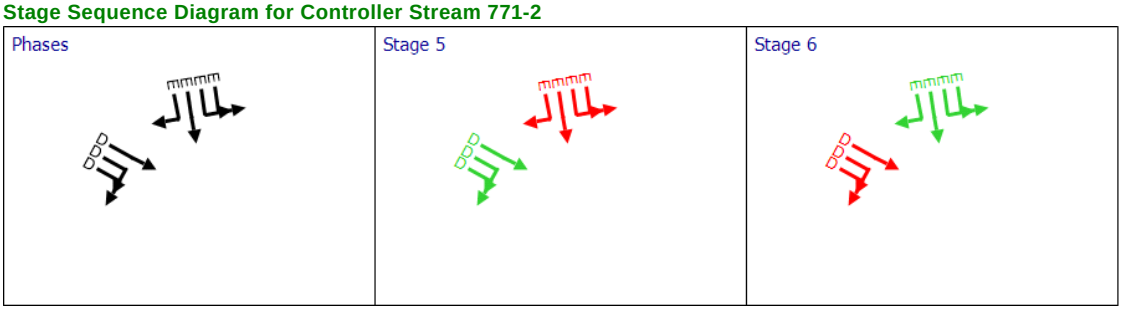
Traffic Stream Green Times

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

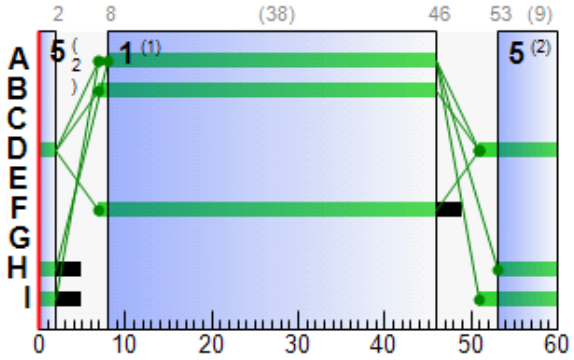
Resultant Phase Green Periods

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

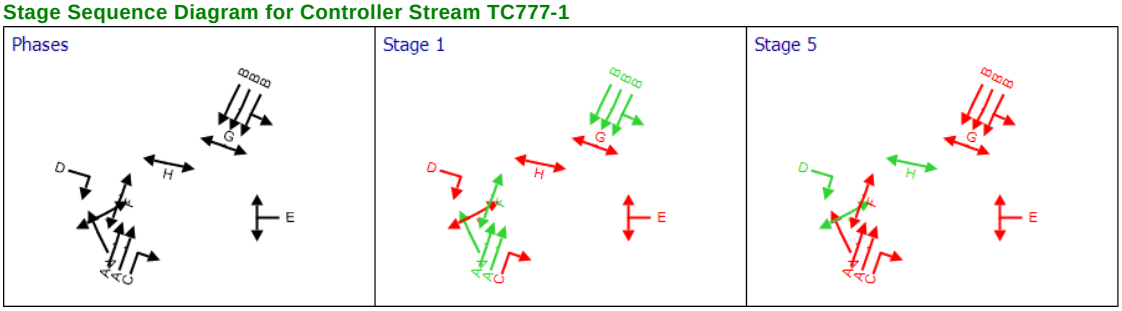
Traffic Stream Green Times

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

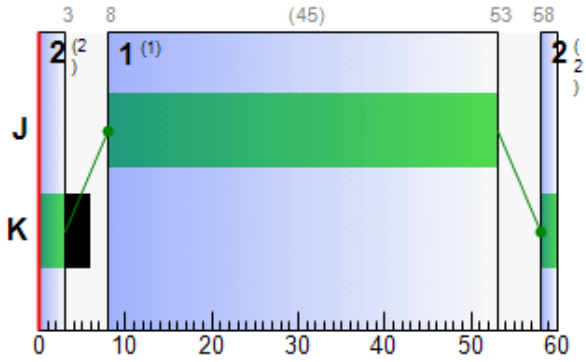
Resultant Phase Green Periods

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

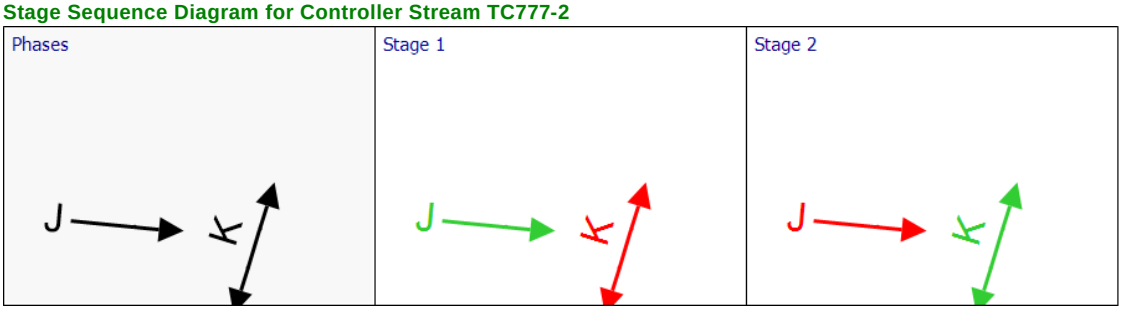
Traffic Stream Green Times

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	852	2050	28	991	86	5	19.22	10.09	77.86	24.81

	A	2	(untitled)	E	369	2050	28	991	37	142	7.22	2.43	18.17	12.98
		3	(untitled)	E	766	2050	28	991	77	16	14.53	11.13	81.39	20.43
		4	(untitled)	E	510	2050	28	991	51	75	11.25	7.38	52.84	17.28
	Ac	1	(untitled)	D	775	2263	22	867	89	1	35.31	15.02	90.15	42.49
		2	(untitled)	D	278	2263	22	745	37	141	3.64	3.78	23.55	13.14
		3	(untitled)	D	440	2263	22	867	51	77	6.22	7.41	48.41	12.82
	Acf	1	(untitled)		1053	2263	60	2263	47	93	0.69	0.20	1.67	5.91
		2	(untitled)		440	2263	60	2263	19	363	0.19	0.02	0.19	7.44
	Af	1	(untitled)		1221	2050	60	2050	60	51	1.29	0.44	4.70	7.71
		2	(untitled)		766	2050	60	2047	37	140	0.53	1.56	16.87	6.91
		3	(untitled)		510	2050	60	2050	25	262	0.29	0.04	0.45	6.65
	B	1	(untitled)	B	266	2050	10	376	71	27	34.29	4.60	27.95	41.39
		2	(untitled)	B	397	2150	10	394	101	-11	142.25	19.54	115.58	149.54
		3	(untitled)	B	341	2100	10	378	90	0	60.05	8.48	48.88	67.52
		4	(untitled)	B	261	2050	10	376	69	30	33.55	4.61	25.89	45.84
	Bc	1	(untitled)	A	734	2050	38	1333	55	63	6.30	4.96	21.47	18.25
		2	(untitled)	A	1061	2050	38	1267	84	7	13.05	15.73	68.78	24.89
		3	(untitled)	A	568	2050	38	1283	44	103	2.25	9.84	43.48	13.96
	Bcf	1	(untitled)		1627	2263	60	2263	72	25	2.02	0.91	8.39	6.37
		2	(untitled)		734	2263	60	2263	32	177	0.38	0.08	0.71	5.73
		3	(untitled)		1061	2263	60	2263	47	92	0.70	0.21	1.91	6.56
		4	(untitled)		568	2263	60	2263	25	259	0.27	0.04	0.39	6.59
	Bf	1	(untitled)		663	1800	60	1800	37	144	0.58	0.11	0.27	27.92
		2	(untitled)		602	1800	60	1800	33	169	0.50	0.08	0.21	27.92
	C	1	(untitled)	G	464	2100	13	490	95	-5	66.31	12.92	61.32	80.85
		2	(untitled)	G	398	2200	13	513	78	16	33.34	7.27	34.15	48.03
		3	(untitled)	G	143	2050	13	478	30	201	20.58	1.97	9.11	35.51
	Cf	1	(untitled)		464	1965	60	1965	24	281	0.28	0.04	0.15	17.64
		2	(untitled)		541	1965	60	1965	28	227	0.35	0.05	0.21	17.85
	D	1	(untitled)	B	273	2050	12	444	61	46	27.63	4.20	43.91	31.75
		2	(untitled)	B	320	1850	12	401	80	13	39.09	6.16	64.38	43.21
		3	(untitled)	B	363	2250	12	429	85	6	43.82	7.30	79.39	47.79
	Dc	1	(untitled)	A	795	2100	38	1357	59	54	7.58	6.74	76.49	11.38
		2	(untitled)	A	768	2100	38	1365	56	60	5.54	5.27	62.21	9.19
		3	(untitled)	A	278	2100	38	1365	20	342	3.41	2.34	28.82	6.92
		4	(untitled)	A	404	2100	38	1365	30	204	4.47	2.57	32.94	7.83
	Dcf	1	(untitled)		1101	2050	60	2050	54	67	1.02	0.31	2.72	5.96
		2	(untitled)		1345	2100	60	2060	65	38	1.65	2.93	25.57	6.59
		3	(untitled)		768	2100	60	2100	37	146	0.49	0.11	0.88	5.90
		4	(untitled)		278	2100	60	2100	13	580	0.13	0.01	0.09	6.84
		5	(untitled)		404	2100	60	2100	19	368	0.20	0.02	0.20	5.22
	Df	1	(untitled)		593	1900	60	1900	31	188	0.43	0.07	0.20	24.43
		2	(untitled)		363	2250	60	2250	16	458	0.15	0.02	0.04	24.15
	Dxp	1	(untitled)	D	1101	2050	41	1435	77	17	4.85	2.68	33.07	8.34
		2	(untitled)	D	550	2050	41	1435	38	135	0.84	0.18	2.18	4.49
	Ec	1	(untitled)	F	540	2150	35	1290	42	115	6.96	5.04	57.91	10.72
		2	(untitled)	F	528	2263	35	1358	39	131	8.75	6.29	74.62	12.39
		3	(untitled)	F	518	2263	35	1358	38	136	4.52	4.87	59.93	8.02
		4	(untitled)	F	291	2250	35	1350	22	318	13.55	4.89	61.21	17.00
	Ecf	1	(untitled)		893	2100	60	2033	44	105	1.23	5.08	63.61	4.68
		2	(untitled)		943	2100	60	2100	45	101	0.70	0.18	2.26	4.18
		3	(untitled)		528	2263	60	2255	23	284	0.25	2.35	28.85	3.77
		4	(untitled)		837	2300	60	2300	36	147	0.45	0.10	1.19	4.41
	Ef	1	(untitled)		825	1900	60	1900	43	107	0.73	0.17	0.75	16.03
		2	(untitled)		581	1900	60	522	111	-19	221.27	41.60	187.53	236.57
16:30-17:30	Exp	1	(untitled)	L	893	2050	40	1401	64	41	4.51	5.68	62.96	8.40
		2	(untitled)	L	403	2050	40	1401	29	213	0.52	0.06	0.62	4.55
		1	(untitled)	B	178	2100	10	385	46	95	25.88	2.73	18.42	32.26

	F	2	(untitled)	B	283	2100	10	385	74	22	35.69	5.00	33.51	42.12
		3	(untitled)	B	350	2100	10	385	91	-1	61.18	8.80	58.02	67.73
	Fc	1	(untitled)	A	622	2263	40	1546	40	124	1.25	1.80	5.66	20.36
		2	(untitled)	A	609	2263	40	1506	40	123	1.53	3.50	11.08	20.46
		3	(untitled)	A	824	2263	40	1537	54	68	6.00	14.71	46.93	25.67
	Ff	1	(untitled)		461	1900	60	1900	24	271	0.30	0.04	0.08	33.39
		2	(untitled)		350	1900	60	1900	18	389	0.21	0.02	0.04	33.26
	G	1	(untitled)	F	307	2050	13	307	100	-10	363.43	35.20	129.63	379.49
		2	(untitled)	F	246	2050	13	461	53	69	43.76	4.47	16.85	55.21
	Gf	1	(untitled)		302	2050	60	1082	28	222	20.72	4.57	67.59	23.63
		2	(untitled)		222	2050	60	2047	11	730	0.12	2.33	34.78	3.01
	xA	1	(untitled)		710	2263	60	2195	32	178	0.55	2.40	6.00	17.77
		2	(untitled)		663	2263	60	2263	29	207	0.33	0.06	0.15	17.58
	xB	1	(untitled)		1627	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
	xC	1	(untitled)		682	1900	60	687	99	-9	116.80	29.09	144.72	125.46
		2	(untitled)		609	1900	60	733	83	8	17.49	8.92	44.20	26.18
	xD	1	(untitled)		1101	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
		2	(untitled)		550	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
	xE	1	(untitled)		893	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		403	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	xF	1	(untitled)		647	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
	Cc1	1	(untitled)	E	734	2050	32	1128	65	38	13.78	10.94	65.64	20.33
	E1	1	(untitled)	G	292	2050	14	513	57	58	24.30	4.19	30.09	30.30
		2	(untitled)	G	533	2200	14	550	97	-7	73.55	15.36	110.39	79.55
	Gf1	1	(untitled)		28	643	60	578	5	1757	3.54	0.41	4.77	7.24
	Cc2	2	(untitled)	D	1015	2150	33	1170	87	4	20.75	15.24	95.69	27.45
		3	(untitled)	D	583	2050	33	1162	50	79	10.46	9.11	58.71	17.62
		4	(untitled)	D	1032	2150	33	1218	85	6	18.11	15.71	101.57	24.69
		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	168.53	15.19	163.89	172.52
		4	(untitled)	H	220	2050	14	513	43	109	31.22	2.73	28.88	35.30
	TC5	2	(untitled)	A	674	2263	38	1509	45	101	3.73	2.68	66.92	6.49
		3	(untitled)	A	663	2263	38	1509	44	105	1.25	0.51	12.62	4.02
		4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	1139	1925	39	1348	85	6	13.70	14.16	88.77	24.71
		2	(untitled)	B	762	1966	39	1376	55	63	6.03	5.51	34.43	17.08
		3	(untitled)	B	416	1947	39	1363	31	195	4.02	2.38	14.75	15.14
	TC35	1	(untitled)	A	36	1900	38	1267	3	3067	2.54	0.14	3.29	5.44
	TC36	1	(untitled)		220	1800	60	1800	12	636	0.14	0.01	0.19	3.17
	TC37	1	(untitled)	J	40	1850	45	1418	3	3091	1.79	0.16	2.02	4.98
	TC38	1	(untitled)		40	452	60	452	9	916	1.23	2.42	65.26	2.77
	TC39	2	(untitled)		674	2263	60	2263	30	202	0.34	0.06	1.03	2.87
		3	(untitled)		663	2263	60	2263	29	207	0.33	0.06	1.05	2.73
	TC40	2	(untitled)		714	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		663	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	180	1850	11	370	49	85	25.85	2.76	29.08	29.79
	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)		1005	1965	60	1965	51	76	0.96	0.27	2.79	7.57
	49	1	(untitled)		1139	1900	60	1900	60	50	1.41	0.45	9.80	4.56
		2	(untitled)		1178	1900	60	1900	62	45	1.54	0.50	11.05	4.69
	50	1	(untitled)		1265	1900	60	1900	67	35	1.88	0.66	7.89	7.66
	51	1	(untitled)		811	1900	60	1900	43	111	0.70	0.16	2.44	5.20

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	86	5	852	2050	28	19.22	10.09	77.86	64.59	16.83	81.42
		2	37	142	369	2050	28	7.22	2.43	18.17	10.50	3.21	13.71
		3	77	16	766	2050	28	14.53	11.13	81.39	43.91	15.18	59.09
		4	51	75	510	2050	28	11.25	7.38	52.84	22.63	10.15	32.78
	Ac	1	89	1	775	2263	22	35.31	15.02	90.15	107.94	20.91	128.84
		2	37	141	278	2263	22	3.64	3.78	23.55	4.00	1.67	5.67
		3	51	77	440	2263	22	6.22	7.41	48.41	10.80	6.88	17.68
	Acf	1	47	93	1053	2263	60	0.69	0.20	1.67	2.87	0.00	2.87
		2	19	363	440	2263	60	0.19	0.02	0.19	0.33	0.00	0.33
	Af	1	60	51	1221	2050	60	1.29	0.44	4.70	6.21	0.00	6.21
		2	37	140	766	2050	60	0.53	1.56	16.87	1.59	0.11	1.70
		3	25	262	510	2050	60	0.29	0.04	0.45	0.58	0.00	0.58
	B	1	71	27	266	2050	10	34.29	4.60	27.95	35.97	8.79	44.76
		2	101	-11	397	2150	10	142.25	19.54	115.58	222.76	30.76	253.52
		3	90	0	341	2100	10	60.05	8.48	48.88	80.77	15.36	96.12
		4	69	30	261	2050	10	33.55	4.61	25.89	34.54	3.44	37.98
	Bc	1	55	63	734	2050	38	6.30	4.96	21.47	18.23	6.45	24.68
		2	84	7	1061	2050	38	13.05	15.73	68.78	54.63	15.45	70.08
		3	44	103	568	2050	38	2.25	9.84	43.48	5.04	1.31	6.35
	Bcf	1	72	25	1627	2263	60	2.02	0.91	8.39	12.99	0.00	12.99
		2	32	177	734	2263	60	0.38	0.08	0.71	1.10	0.00	1.10
		3	47	92	1061	2263	60	0.70	0.21	1.91	2.94	0.00	2.94
		4	25	259	568	2263	60	0.27	0.04	0.39	0.60	0.00	0.60
	Bf	1	37	144	663	1800	60	0.58	0.11	0.27	1.52	0.00	1.52
		2	33	169	602	1800	60	0.50	0.08	0.21	1.19	0.00	1.19
	C	1	95	-5	464	2100	13	66.31	12.92	61.32	121.36	8.84	130.20
		2	78	16	398	2200	13	33.34	7.27	34.15	52.34	5.38	57.73
		3	30	201	143	2050	13	20.58	1.97	9.11	11.61	1.48	13.09
	Cf	1	24	281	464	1965	60	0.28	0.04	0.15	0.52	0.00	0.52
		2	28	227	541	1965	60	0.35	0.05	0.21	0.74	0.00	0.74
	D	1	61	46	273	2050	12	27.63	4.20	43.91	29.75	8.06	37.81
		2	80	13	320	1850	12	39.09	6.16	64.38	49.34	11.12	60.46
		3	85	6	363	2250	12	43.82	7.30	79.39	62.75	13.68	76.43
	Dc	1	59	54	795	2100	38	7.58	6.74	76.49	23.78	12.88	36.66
		2	56	60	768	2100	38	5.54	5.27	62.21	16.77	9.83	26.60
		3	20	342	278	2100	38	3.41	2.34	28.82	3.74	3.71	7.46
		4	30	204	404	2100	38	4.47	2.57	32.94	7.13	5.03	12.15
	Dcf	1	54	67	1101	2050	60	1.02	0.31	2.72	4.42	0.00	4.42
		2	65	38	1345	2100	60	1.65	2.93	25.57	8.74	1.40	10.13
		3	37	146	768	2100	60	0.49	0.11	0.88	1.49	0.00	1.49
		4	13	580	278	2100	60	0.13	0.01	0.09	0.14	0.00	0.14
		5	19	368	404	2100	60	0.20	0.02	0.20	0.33	0.00	0.33
	Df	1	31	188	593	1900	60	0.43	0.07	0.20	1.00	0.00	1.00
		2	16	458	363	2250	60	0.15	0.02	0.04	0.22	0.00	0.22
	Dxp	1	77	17	1101	2050	41	4.85	2.68	33.07	21.05	4.96	26.01
		2	38	135	550	2050	41	0.84	0.18	2.18	1.83	0.34	2.17
	Ec	1	42	115	540	2150	35	6.96	5.04	57.91	14.83	7.74	22.57
		2	39	131	528	2263	35	8.75	6.29	74.62	18.23	11.57	29.80
		3	38	136	518	2263	35	4.52	4.87	59.93	9.23	6.42	15.65
		4	22	318	291	2250	35	13.55	4.89	61.21	15.56	9.52	25.08
	Ecf	1	44	105	893	2100	60	1.23	5.08	63.61	4.35	2.31	6.66
		2	45	101	943	2100	60	0.70	0.18	2.26	2.59	0.00	2.59
		3	23	284	528	2263	60	0.25	2.35	28.85	0.53	0.24	0.77
		4	36	147	837	2300	60	0.45	0.10	1.19	1.48	0.00	1.48

16:30-17:30	Ef	1	43	107	825	1900	60	0.73	0.17	0.75	2.36	0.00	2.36
		2	111	-19	581	1900	60	221.27	41.60	187.53	507.09	18.30	525.39
	Exp	1	64	41	893	2050	40	4.51	5.68	62.96	15.90	6.36	22.26
		2	29	213	403	2050	40	0.52	0.06	0.62	0.82	0.00	0.82
	F	1	46	95	178	2100	10	25.88	2.73	18.42	18.17	5.21	23.38
		2	74	22	283	2100	10	35.69	5.00	33.51	39.84	9.53	49.36
		3	91	-1	350	2100	10	61.18	8.80	58.02	84.47	15.94	100.41
	Fc	1	40	124	622	2263	40	1.25	1.80	5.66	3.06	1.24	4.30
		2	40	123	609	2263	40	1.53	3.50	11.08	3.69	2.13	5.82
		3	54	68	824	2263	40	6.00	14.71	46.93	19.51	10.10	29.61
	Ff	1	24	271	461	1900	60	0.30	0.04	0.08	0.55	0.00	0.55
		2	18	389	350	1900	60	0.21	0.02	0.04	0.30	0.00	0.30
	G	1	100	-10	307	2050	13	363.43	35.20	129.63	439.77	23.56	463.33
		2	53	69	246	2050	13	43.76	4.47	16.85	42.47	8.91	51.38
	Gf	1	28	222	302	2050	60	20.72	4.57	67.59	24.68	8.77	33.45
		2	11	730	222	2050	60	0.12	2.33	34.78	0.11	0.10	0.20
	xA	1	32	178	710	2263	60	0.55	2.40	6.00	1.53	1.80	3.34
		2	29	207	663	2263	60	0.33	0.06	0.15	0.86	0.00	0.86
	xB	1	0	Unrestricted	1627	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	99	-9	682	1900	60	116.80	29.09	144.72	314.34	28.98	343.31
		2	83	8	609	1900	60	17.49	8.92	44.20	42.02	16.16	58.17
	xD	1	0	Unrestricted	1101	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	550	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	0	Unrestricted	893	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	403	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	0	Unrestricted	647	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	65	38	734	2050	32	13.78	10.94	65.64	39.90	20.41	60.31
	E1	1	57	58	292	2050	14	24.30	4.19	30.09	27.99	8.05	36.04
		2	97	-7	533	2200	14	73.55	15.36	110.39	154.63	26.75	181.39
	Gf1	1	5	1757	28	643	60	3.54	0.41	4.77	0.39	0.52	0.92
	Cc2	2	87	4	1015	2150	33	20.75	15.24	95.69	83.10	29.42	112.52
		3	50	79	583	2050	33	10.46	9.11	58.71	24.05	13.29	37.34
		4	85	6	1032	2150	33	18.11	15.71	101.57	73.68	30.14	103.82
		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	168.53	15.19	163.89	200.78	20.91	221.68
		4	43	109	220	2050	14	31.22	2.73	28.88	27.12	5.22	32.35
	TC5	2	45	101	674	2263	38	3.73	2.68	66.92	9.92	2.02	11.93
		3	44	105	663	2263	38	1.25	0.51	12.62	3.28	0.38	3.66
		4	0	-100	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	85	6	1139	1925	39	13.70	14.16	88.77	61.55	9.94	71.49
		2	55	63	762	1966	39	6.03	5.51	34.43	18.12	4.13	22.26
		3	31	195	416	1947	39	4.02	2.38	14.75	6.59	1.79	8.38
	TC35	1	3	3067	36	1900	38	2.54	0.14	3.29	0.36	0.10	0.47
	TC36	1	12	636	220	1800	60	0.14	0.01	0.19	0.12	0.00	0.12
	TC37	1	3	3091	40	1850	45	1.79	0.16	2.02	0.28	0.33	0.61
	TC38	1	9	916	40	452	60	1.23	2.42	65.26	0.19	0.31	0.50
	TC39	2	30	202	674	2263	60	0.34	0.06	1.03	0.90	0.00	0.90
		3	29	207	663	2263	60	0.33	0.06	1.05	0.86	0.00	0.86
	TC40	2	0	Unrestricted	714	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		3	0	Unrestricted	663	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	TC41	1	49	85	180	1850	11	25.85	2.76	29.08	18.36	5.63	23.99
	TC42	1	0	-100	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	TC43	1	0	Unrestricted	0	1800	60	0.00	0.00	0.00	0.00	0.00	0.00
	47	1	100	-10	1300	1300	60	48.58	17.54	75.48	249.09	0.00	249.09
	48	1	51	76	1005	1965	60	0.96	0.27	2.79	3.80	0.00	3.80
	49	1	60	50	1139	1900	60	1.41	0.45	9.80	6.35	0.00	6.35
		2	62	45	1178	1900	60	1.54	0.50	11.05	7.16	0.00	7.16
	50	1	67	35	1265	1900	60	1.88	0.66	7.89	9.38	0.00	9.38

	51	1	43	111	811	1900	60	0.70	0.16	2.44	2.25	0.00	2.25

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	852	852	0		2050	991	86		5	0.49	28
		2	369	369	-1	✓	2050	991	37		142	0.53	28
		3	766	766	1		2050	991	77		16	0.59	28
		4	510	510	0		2050	991	51		75	0.61	28
	Ac	1	775	775	-1		2263	867	89		1	1.24	22
		2	278	278	0		2263	745	37		141	1.63	22
		3	440	440	0	✓	2263	867	51		77	1.23	22
	Acf	1	1053	1053	-1		2263	2263	47		93	0.96	60
		2	440	440	0	✓	2263	2263	19		363	1.23	60
	Af	1	1221	1221	-1	✓	2050	2050	60		51	0.50	60
		2	766	766	1		2050	2047	37		140	0.59	60
		3	510	510	0		2050	2050	25		262	0.61	60
	B	1	266	266	0		2050	376	71		27	0.00	10
		2	397	394	0		2150	394	101	✓	-11	0.00	10
		3	341	341	0		2100	378	90	✓	0	0.00	10
		4	261	261	-1		2050	376	69		30	0.00	10
	Bc	1	734	734	-1	✓	2050	1333	55		63	0.86	38
		2	1061	1061	0	✓	2050	1267	84		7	0.68	38
		3	568	568	0		2050	1283	44		103	0.98	38
	Bcf	1	1627	1627	-1		2263	2263	72		25	0.39	60
		2	734	734	-1	✓	2263	2263	32		177	0.86	60
		3	1061	1061	0	✓	2263	2263	47		92	0.68	60
		4	568	568	0		2263	2263	25		259	0.98	60
	Bf	1	663	663	0		1800	1800	37		144	0.00	60
		2	602	602	-1		1800	1800	33		169	0.00	60
	C	1	464	464	0		2100	490	95	✓	-5	0.00	13
		2	398	398	0		2200	513	78		16	0.00	13
		3	143	143	0		2050	478	30		201	0.00	13
	Cf	1	464	464	0		1965	1965	24		281	0.00	60
		2	541	541	0		1965	1965	28		227	0.00	60
	D	1	273	273	0		2050	444	61		46	0.00	12
		2	320	320	0		1850	401	80		13	0.00	12
		3	363	363	0		2250	429	85		6	0.00	12
	Dc	1	795	795	2	✓	2100	1357	59		54	0.68	38
		2	768	768	1		2100	1365	56		60	0.91	38
		3	278	278	0		2100	1365	20		342	1.20	38
		4	404	404	-1		2100	1365	30		204	1.48	38
	Dcf	1	1101	1101	1	✓	2050	2050	54		67	0.84	60
		2	1345	1345	2	✓	2100	2060	65		38	0.55	60
		3	768	768	1		2100	2100	37		146	0.91	60
		4	278	278	0		2100	2100	13		580	1.20	60
		5	404	404	-1		2100	2100	19		368	1.48	60
	Df	1	593	593	0		1900	1900	31		188	0.00	60
		2	363	363	0		2250	2250	16		458	0.00	60
	Dxp	1	1101	1101	1	✓	2050	1435	77		17	0.79	41
		2	550	550	0	✓	2050	1435	38		135	0.97	41
	Ec	1	540	540	0		2150	1290	42		115	1.00	35
		2	528	528	0		2263	1358	39		131	1.13	35
		3	518	518	-1		2263	1358	38		136	1.21	35
		4	291	291	-1		2250	1350	22		318	1.43	35
		1	893	893	2	✓	2100	2033	44		105	0.73	60

16:30-17:30	Ecf	2	943	943	1		2100	2100	45		101	0.80	60
		3	528	528	0		2263	2255	23		284	1.13	60
		4	837	837	-1		2300	2300	36		147	1.19	60
	Ef	1	825	825	-1	✓	1900	1900	43		107	0.00	60
		2	581	522	0		1900	522	111	✓	-19	0.00	60
	Exp	1	893	893	2	✓	2050	1401	64		41	0.71	40
		2	403	403	1		2050	1401	29		213	1.13	40
	F	1	178	178	0		2100	385	46		95	0.00	10
		2	283	283	0		2100	385	74		22	0.00	10
		3	350	350	1		2100	385	91	✓	-1	0.00	10
	Fc	1	622	622	0		2263	1546	40		124	1.02	40
		2	609	609	-1		2263	1506	40		123	1.21	40
		3	824	824	-2	✓	2263	1537	54		68	1.23	40
	Ff	1	461	461	0		1900	1900	24		271	0.00	60
		2	350	350	1		1900	1900	18		389	0.00	60
	G	1	307	307	33	✓	2050	307	100	✓	-10	1.15	13
		2	246	250	23	✓	2050	461	53		69	1.51	13
	Gf	1	302	303	34	✓	2050	1082	28		222	1.52	60
		2	222	222	23	✓	2050	2047	11		730	1.60	60
	xA	1	710	710	0		2263	2195	32		178	0.98	60
		2	663	663	0		2263	2263	29		207	1.28	60
	xB	1	1627	1627	-1		Unrestricted	Unrestricted	0		Unrestricted	0.28	60
	xC	1	682	687	32	✓	1900	687	99	✓	-9	0.78	60
		2	609	613	18	✓	1900	733	83		8	0.96	60
	xD	1	1101	1101	1	✓	Unrestricted	Unrestricted	0		Unrestricted	0.73	60
		2	550	550	0	✓	Unrestricted	Unrestricted	0		Unrestricted	0.83	60
	xE	1	893	893	2	✓	Unrestricted	Unrestricted	0		Unrestricted	0.72	60
		2	403	403	1		Unrestricted	Unrestricted	0		Unrestricted	0.96	60
	xF	1	647	647	0		Unrestricted	Unrestricted	0		Unrestricted	0.65	60
	Cc1	1	734	734	-1	✓	2050	1128	65		38	0.90	32
	E1	1	292	292	0		2050	513	57		58	0.00	14
		2	533	533	-1	✓	2200	550	97	✓	-7	0.00	14
	Gf1	1	28	28	0		643	578	5		1757	1.50	60
	Cc2	2	1015	1015	1	✓	2150	1170	87		4	0.51	33
		3	583	583	0		2050	1162	50		79	1.04	33
		4	1032	1032	3	✓	2150	1218	85		6	0.58	33
		5	261	261	-1		2050	1162	22		301	1.63	33
	E2	3	302	302	34	✓	2150	302	100	✓	-10	1.23	14
		4	220	222	25	✓	2050	513	43		109	1.23	14
	TC5	2	674	674	0		2263	1509	45		101	0.97	38
		3	663	663	0		2263	1509	44		105	1.28	38
		4	0	0	0		0	0	0		-100	0.00	0
	TC9	1	1139	1139	-1	✓	1925	1348	85		6	0.00	39
		2	762	762	0		1966	1376	55		63	0.00	39
		3	416	416	0		1947	1363	31		195	0.00	39
	TC35	1	36	36	0		1900	1267	3		3067	0.80	38
	TC36	1	220	220	1		1800	1800	12		636	0.00	60
	TC37	1	40	40	0		1850	1418	3		3091	0.00	45
	TC38	1	40	40	0		452	452	9		916	0.47	60
	TC39	2	674	674	0		2263	2263	30		202	1.09	60
		3	663	663	0		2263	2263	29		207	1.30	60
	TC40	2	714	714	0		Unrestricted	Unrestricted	0		Unrestricted	0.92	60
		3	663	663	0		Unrestricted	Unrestricted	0		Unrestricted	1.13	60
	TC41	1	180	180	1		1850	370	49		85	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	42	✓	1300	1300	100	✓	-10	0.00	60
	48	1	1005	1005	0		1965	1965	51		76	0.00	60

	49	1	1139	1139	-1	✓	1900	1900	60		50	0.00	60
		2	1178	1178	0		1900	1900	62		45	0.00	60
	50	1	1265	1265	-1		1900	1900	67		35	0.00	60
	51	1	811	811	1		1900	1900	43		111	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	19.22	4.55	64.59	61.53	524.24	16.83
		2	5.77	7.22	0.74	10.50	27.06	99.86	3.21
		3	5.90	14.53	3.09	43.91	61.76	473.06	15.18
		4	6.03	11.25	1.59	22.63	62.00	316.19	10.15
	Ac	1	7.19	35.31	7.60	107.94	84.04	651.29	20.91
		2	9.50	3.64	0.28	4.00	35.28	98.06	1.67
		3	6.60	6.22	0.76	10.80	48.72	214.36	6.88
	Acf	1	5.22	0.69	0.20	2.87	0.00	0.00	0.00
		2	7.24	0.19	0.02	0.33	0.00	0.00	0.00
	Af	1	6.42	1.29	0.44	6.21	0.00	0.00	0.00
		2	6.38	0.53	0.11	1.59	1.10	8.43	0.11
		3	6.36	0.29	0.04	0.58	0.00	0.00	0.00
	B	1	7.10	34.29	2.53	35.97	102.95	273.84	8.79
		2	7.29	142.25	15.69	222.76	243.13	958.34	30.76
		3	7.48	60.05	5.69	80.77	140.30	478.43	15.36
		4	12.29	33.55	2.43	34.54	105.27	274.74	3.44
	Bc	1	11.96	6.30	1.28	18.23	39.41	289.27	6.45
		2	11.83	13.05	3.85	54.63	65.31	692.94	15.45
		3	11.71	2.25	0.35	5.04	10.36	58.82	1.31
	Bcf	1	4.35	2.02	0.91	12.99	0.00	0.00	0.00
		2	5.34	0.38	0.08	1.10	0.00	0.00	0.00
		3	5.86	0.70	0.21	2.94	0.00	0.00	0.00
		4	6.32	0.27	0.04	0.60	0.00	0.00	0.00
	Bf	1	27.34	0.58	0.11	1.52	0.00	0.00	0.00
		2	27.41	0.50	0.08	1.19	0.00	0.00	0.00
	C	1	14.54	66.31	8.55	121.36	151.95	705.04	8.84
		2	14.68	33.34	3.69	52.34	107.85	429.26	5.38
		3	14.92	20.58	0.82	11.61	82.65	118.19	1.48
	Cf	1	17.35	0.28	0.04	0.52	0.00	0.00	0.00
		2	17.50	0.35	0.05	0.74	0.00	0.00	0.00
	D	1	4.13	27.63	2.10	29.75	92.02	251.22	8.06
		2	4.13	39.09	3.47	49.34	108.30	346.55	11.12
		3	3.97	43.82	4.42	62.75	117.43	426.26	13.68
	Dc	1	3.80	7.58	1.67	23.78	50.46	401.38	12.88
		2	3.65	5.54	1.18	16.77	39.91	306.33	9.83
		3	3.51	3.41	0.26	3.74	41.63	115.73	3.71
		4	3.36	4.47	0.50	7.13	38.75	156.56	5.03
	Dcf	1	4.95	1.02	0.31	4.42	0.00	0.00	0.00
		2	4.94	1.65	0.62	8.74	3.23	43.49	1.40
		3	5.41	0.49	0.11	1.49	0.00	0.00	0.00
		4	6.71	0.13	0.01	0.14	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	0.43	0.07	1.00	0.00	0.00	0.00
		2	24.00	0.15	0.02	0.22	0.00	0.00	0.00
	Dxp	1	3.50	4.85	1.48	21.05	14.02	154.48	4.96
		2	3.65	0.84	0.13	1.83	1.95	10.74	0.34
	Ec	1	3.76	6.96	1.04	14.83	44.67	241.21	7.74
		2	3.63	8.75	1.28	18.23	68.25	360.35	11.57
		3	3.51	4.52	0.65	9.23	38.60	199.93	6.42
		4	3.44	13.55	1.10	15.56	101.93	296.61	9.52

16:30-17:30	Ecf	1	3.45	1.23	0.31	4.35	8.06	72.00	2.31
		2	3.48	0.70	0.18	2.59	0.00	0.00	0.00
		3	3.52	0.25	0.04	0.53	1.44	7.59	0.24
		4	3.97	0.45	0.10	1.48	0.00	0.00	0.00
	Ef	1	15.31	0.73	0.17	2.36	0.00	0.00	0.00
		2	15.31	221.27	35.71	507.09	279.42	1459.32	18.30
	Exp	1	3.89	4.51	1.12	15.90	22.18	198.14	6.36
		2	4.03	0.52	0.06	0.82	0.00	0.00	0.00
	F	1	6.38	25.88	1.28	18.17	91.20	162.34	5.21
		2	6.43	35.69	2.81	39.84	104.86	296.75	9.53
		3	6.54	61.18	5.95	84.47	141.87	496.54	15.94
	Fc	1	19.11	1.25	0.22	3.06	12.00	74.66	1.24
		2	18.92	1.53	0.26	3.69	21.01	127.98	2.13
		3	19.67	6.00	1.37	19.51	80.32	661.82	10.10
	Ff	1	33.09	0.30	0.04	0.55	0.00	0.00	0.00
		2	33.05	0.21	0.02	0.30	0.00	0.00	0.00
	G	1	16.06	363.43	30.97	439.77	449.28	1380.66	23.56
		2	11.45	43.76	2.99	42.47	110.97	277.58	8.91
	Gf	1	2.92	20.72	1.74	24.68	90.22	273.15	8.77
		2	2.88	0.12	0.01	0.11	1.34	2.97	0.10
	xA	1	17.22	0.55	0.11	1.53	7.90	56.09	1.80
		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	116.80	22.14	314.34	131.42	902.83	28.98
		2	8.70	17.49	2.96	42.02	82.19	503.40	16.16
	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	6.55	13.78	2.81	39.90	70.71	519.00	20.41
	E1	1	6.00	24.30	1.97	27.99	85.87	250.74	8.05
		2	6.00	73.55	10.89	154.63	156.38	833.52	26.75
	Gf1	1	3.69	3.54	0.03	0.39	58.31	16.33	0.52
	Cc2	2	6.70	20.75	5.85	83.10	81.63	828.91	29.42
		3	7.17	10.46	1.69	24.05	76.26	444.58	13.29
		4	6.58	18.11	5.19	73.68	83.76	864.17	30.14
		5	7.98	13.35	0.97	13.74	104.55	272.88	6.08
	E2	3	4.00	168.53	14.14	200.78	215.66	651.28	20.91
		4	4.07	31.22	1.91	27.12	73.31	162.76	5.22
	TC5	2	2.76	3.73	0.70	9.92	23.85	160.76	2.02
		3	2.76	1.25	0.23	3.28	4.57	30.28	0.38
		4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	11.00	13.70	4.33	61.55	69.57	792.40	9.94
		2	11.05	6.03	1.28	18.12	43.24	329.50	4.13
		3	11.12	4.02	0.46	6.59	34.29	142.66	1.79
	TC35	1	2.90	2.54	0.03	0.36	23.04	8.29	0.10
	TC36	1	3.03	0.14	0.01	0.12	0.00	0.00	0.00
	TC37	1	3.19	1.79	0.02	0.28	23.39	9.36	0.33
	TC38	1	1.53	1.23	0.01	0.19	21.93	8.77	0.31
	TC39	2	2.54	0.34	0.06	0.90	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	25.85	1.29	18.36	89.81	161.66	5.63
	TC42	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC43	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	47	1	16.04	48.58	17.54	249.09	0.00	0.00	0.00

	48	1	6.61	0.96	0.27	3.80	0.00	0.00	0.00
	49	1	3.15	1.41	0.45	6.35	0.00	0.00	0.00
		2	3.15	1.54	0.50	7.16	0.00	0.00	0.00
	50	1	5.78	1.88	0.66	9.38	0.00	0.00	0.00
	51	1	4.50	0.70	0.16	2.25	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	10.09	12.96	77.86	0.00	0.00	
		2	0.00	2.43	13.37	18.17	0.00	0.00	
		3	0.00	11.13	13.67	81.39	0.00	0.00	
		4	0.00	7.38	13.97	52.84	0.00	0.00	
	Ac	1	0.00	15.02	16.66	90.15	0.00	1.00	
		2	0.00	3.78	16.06	23.55	0.00	15.24	
		3	0.00	7.41	15.30	48.41	0.00	3.00	
	Acf	1	0.00	0.20	12.10	1.67	0.00	26.00	
		2	0.00	0.02	12.25	0.19	0.00	34.00	
	Af	1	0.00	0.44	9.31	4.70	0.00	6.00	
		2	0.00	1.56	9.25	16.87	0.00	18.09	
		3	0.00	0.04	9.22	0.45	0.00	6.00	
	B	1	0.00	4.60	16.46	27.95	0.00	0.00	
		2	0.00	19.54	16.90	115.58	0.00	0.00	
		3	0.00	8.48	17.34	48.88	0.00	0.21	
		4	0.00	4.61	17.81	25.89	0.00	0.00	
	Bc	1	0.00	4.96	23.10	21.47	0.00	4.00	
		2	0.00	15.73	22.87	68.78	0.00	5.93	
		3	0.00	9.84	22.63	43.48	0.00	5.45	
	Bcf	1	0.00	0.91	10.90	8.39	0.00	9.00	
		2	0.00	0.08	10.98	0.71	0.00	20.00	
		3	0.00	0.21	10.84	1.91	0.00	11.00	
		4	0.00	0.04	10.83	0.39	0.00	21.00	
	Bf	1	0.00	0.11	39.62	0.27	0.00	0.00	
		2	0.00	0.08	39.73	0.21	0.00	0.00	
	C	1	0.00	12.92	21.07	61.32	0.00	0.00	
		2	0.00	7.27	21.28	34.15	0.00	0.00	
		3	0.00	1.97	21.63	9.11	0.00	0.00	
	Cf	1	0.00	0.04	25.15	0.15	0.00	0.00	
		2	0.00	0.05	25.37	0.21	0.00	0.00	
	D	1	0.00	4.20	9.57	43.91	0.00	0.00	
		2	0.00	6.16	9.57	64.38	0.00	0.00	
		3	0.00	7.30	9.20	79.39	0.00	1.55	
	Dc	1	0.00	6.74	8.81	76.49	0.00	1.23	
		2	0.00	5.27	8.47	62.21	0.00	0.00	
		3	0.00	2.34	8.14	28.82	0.00	24.00	
		4	0.00	2.57	7.80	32.94	0.00	26.00	
	Dcf	1	0.00	0.31	11.47	2.72	0.00	16.00	
		2	0.00	2.93	11.46	25.57	0.00	15.14	
		3	0.00	0.11	11.93	0.88	0.00	14.00	
		4	0.00	0.01	11.60	0.09	0.00	35.00	
		5	0.00	0.02	11.64	0.20	0.00	38.00	
	Df	1	0.00	0.07	34.78	0.20	0.00	0.00	
		2	0.00	0.02	34.78	0.04	0.00	0.00	
	Dxp	1	0.00	2.68	8.11	33.07	0.00	5.00	
		2	0.00	0.18	8.46	2.18	0.00	7.00	
	Ec	1	0.00	5.04	8.71	57.91	0.00	0.00	
		2	0.00	6.29	8.42	74.62	0.00	15.00	
		3	0.00	4.87	8.13	59.93	0.00	21.00	

16:30-17:30		4	0.00	4.89	7.99	61.21	0.00	28.00	
	Ecf	1	0.00	5.08	7.99	63.61	0.00	10.92	
		2	0.00	0.18	8.06	2.26	0.00	8.00	
		3	0.00	2.35	8.16	28.85	0.00	32.22	
		4	0.00	0.10	8.76	1.19	0.00	34.00	
	Ef	1	0.00	0.17	22.18	0.75	0.00	0.00	
		2	0.00	41.60	22.18	187.53	0.00	43.51	
	Exp	1	0.00	5.68	9.01	62.96	0.00	2.00	
		2	0.00	0.06	9.34	0.62	0.00	16.00	
	F	1	0.00	2.73	14.80	18.42	0.00	0.00	
		2	0.00	5.00	14.91	33.51	0.00	0.00	
		3	0.00	8.80	15.17	58.02	0.00	0.00	
	Fc	1	0.00	1.80	31.86	5.66	0.00	11.00	
		2	0.00	3.50	31.56	11.08	0.00	18.07	
		3	0.00	14.71	31.35	46.93	0.00	18.25	
	Ff	1	0.00	0.04	47.95	0.08	0.00	0.00	
		2	0.00	0.02	47.89	0.04	0.00	0.00	
	G	1	0.00	35.20	27.16	129.63	0.00	5.01	
		2	0.00	4.47	26.54	16.85	0.00	6.51	
	Gf	1	0.00	4.57	6.76	67.59	0.00	50.33	
		2	0.00	2.33	6.69	34.78	0.00	48.08	
	xA	1	0.00	2.40	39.94	6.00	0.00	20.81	
		2	0.00	0.06	39.99	0.15	0.00	27.00	
	xB	1	0.00	0.00	13.42	0.00	0.00	0.00	
	xC	1	0.00	29.09	20.10	144.72	0.00	38.30	
		2	0.00	8.92	20.17	44.20	0.00	38.84	
	xD	1	0.00	0.00	21.17	0.00	0.00	15.00	
		2	0.00	0.00	21.35	0.00	0.00	19.00	
	xE	1	0.00	0.00	30.24	0.00	0.00	13.00	
		2	0.00	0.00	30.23	0.00	0.00	21.00	
	xF	1	0.00	0.00	28.27	0.00	0.00	1.00	
	Cc1	1	0.00	10.94	16.67	65.64	0.00	4.00	
	E1	1	0.00	4.19	13.91	30.09	0.00	0.00	
		2	0.00	15.36	13.91	110.39	0.00	0.00	
	Gf1	1	0.00	0.41	8.57	4.77	0.00	54.12	
	Cc2	2	0.00	15.24	15.93	95.69	0.00	5.35	
		3	0.00	9.11	15.52	58.71	0.00	2.00	
		4	0.00	15.71	15.47	101.57	0.00	3.01	
		5	0.00	5.87	15.42	38.08	0.00	26.00	
	E2	3	0.00	15.19	9.27	163.89	0.00	6.57	
		4	0.00	2.73	9.45	28.88	0.00	3.00	
	TC5	2	0.00	2.68	4.01	66.92	0.00	8.00	
		3	0.00	0.51	4.00	12.62	0.00	11.00	
		4	0.00	0.00	4.25	0.00	0.00	0.00	
	TC9	1	0.00	14.16	15.95	88.77	0.00	0.00	
		2	0.00	5.51	16.02	34.43	0.00	0.00	
		3	0.00	2.38	16.12	14.75	0.00	0.00	
	TC35	1	0.00	0.14	4.20	3.29	0.00	31.00	
	TC36	1	0.00	0.01	4.39	0.19	0.00	0.00	
	TC37	1	0.00	0.16	7.71	2.02	0.00	45.00	
	TC38	1	0.00	2.42	3.71	65.26	0.00	39.00	
	TC39	2	0.00	0.06	6.13	1.03	0.00	28.00	
		3	0.00	0.06	5.79	1.05	0.00	31.00	
	TC40	2	0.00	0.00	10.22	0.00	0.00	19.00	
		3	0.00	0.00	9.71	0.00	0.00	28.00	
	TC41	1	0.00	2.76	9.50	29.08	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	0.27	9.59	2.79	0.00	0.00	
	49	1	0.00	0.45	4.56	9.80	0.00	0.00	
		2	0.00	0.50	4.56	11.05	0.00	0.00	
	50	1	0.00	0.66	8.37	7.89	0.00	0.00	
	51	1	0.00	0.16	6.52	2.44	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	✓	10.15	2.57	7.08	1.00	0.00	81.42
		2	0.00	0.00	✓	2.43	0.11	1.66	1.00	0.00	13.71
		3	0.00	0.00	✓	11.14	1.30	4.80	1.00	0.00	59.09
		4	0.00	0.00	✓	7.38	0.27	3.52	1.00	0.00	32.78
	Ac	1	0.00	0.00	✓	15.17	3.57	10.43	1.00	0.00	128.84
		2	0.00	0.00	✓	3.78	0.11	0.68	1.00	0.00	5.67
		3	0.00	0.00	✓	7.41	0.26	2.18	1.00	0.00	17.68
	Acf	1	0.00	0.00	✓	0.20			1.00	0.00	2.87
		2	0.00	0.00	✓	0.02			1.00	0.00	0.33
	Af	1	0.00	0.00	✓	0.44			1.00	0.00	6.21
		2	0.00	0.00	✓	1.56			1.00	0.00	1.70
		3	0.00	0.00	✓	0.04			1.00	0.00	0.58
	B	1	0.00	0.00	✓	4.61	0.85	4.54	1.00	0.00	44.76
		2	0.00	0.00		24.41	16.64	23.57	1.00	0.00	253.52
		3	0.00	0.00	✓	8.80	3.74	8.56	1.00	0.00	96.12
		4	0.00	0.00	✓	4.62	0.78	4.48	1.00	0.00	37.98
	Bc	1	0.00	0.00	✓	4.96	0.34	3.85	1.00	0.00	24.68
		2	0.00	0.00	✓	15.76	2.13	5.41	1.00	0.00	70.08
		3	0.00	0.00	✓	9.84	0.18	0.70	1.00	0.00	6.35
	Bcf	1	0.00	0.00	✓	0.92			1.00	0.00	12.99
		2	0.00	0.00	✓	0.08			1.00	0.00	1.10
		3	0.00	0.00	✓	0.21			1.00	0.00	2.94
		4	0.00	0.00	✓	0.04			1.00	0.00	0.60
	Bf	1	0.00	0.00	✓	0.11			1.00	0.00	1.52
		2	0.00	0.00	✓	0.08			1.00	0.00	1.19
	C	1	0.00	0.00	✓	13.86	6.56	13.00	1.00	0.00	130.20
		2	0.00	0.00	✓	7.29	1.31	6.73	1.00	0.00	57.73
		3	0.00	0.00	✓	1.97	0.06	1.93	1.00	0.00	13.09
	Cf	1	0.00	0.00	✓	0.04			1.00	0.00	0.52
		2	0.00	0.00	✓	0.05			1.00	0.00	0.74
	D	1	0.00	0.00	✓	4.20	0.49	4.13	1.00	0.00	37.81
		2	0.00	0.00	✓	6.20	1.54	5.80	1.00	0.00	60.46
		3	0.00	0.00	✓	7.39	2.21	7.14	1.00	0.00	76.43
	Dc	1	0.00	0.00	✓	6.74	0.41	6.60	1.00	0.00	36.66
		2	0.00	0.00	✓	5.27	0.36	4.97	1.00	0.00	26.60
		3	0.00	0.00	✓	2.34	0.03	1.93	1.00	0.00	7.46
		4	0.00	0.00	✓	2.57	0.06	2.39	1.00	0.00	12.15
	Dcf	1	0.00	0.00	✓	0.31			1.00	0.00	4.42
		2	0.00	0.00	✓	2.93			1.00	0.00	10.13
		3	0.00	0.00	✓	0.11			1.00	0.00	1.49
		4	0.00	0.00	✓	0.01			1.00	0.00	0.14
		5	0.00	0.00	✓	0.02			1.00	0.00	0.33
	Df	1	0.00	0.00	✓	0.07			1.00	0.00	1.00
		2	0.00	0.00	✓	0.02			1.00	0.00	0.22
	Dxp	1	0.00	0.00	✓	2.69	1.26	2.67	1.00	0.00	26.01
		2	0.00	0.00	✓	0.18	0.12	0.18	1.00	0.00	2.17
		1	0.00	0.00	✓	5.04	0.15	3.24	1.00	0.00	22.57

16:30-17:30	Ec	2	0.00	0.00	✓	6.29	0.12	4.71	1.00	0.00	29.80
		3	0.00	0.00	✓	4.87	0.12	2.35	1.00	0.00	15.65
		4	0.00	0.00	✓	4.89	0.03	4.58	1.00	0.00	25.08
	Ecf	1	0.00	0.00	✓	5.08			1.00	0.00	6.66
		2	0.00	0.00	✓	0.18			1.00	0.00	2.59
		3	0.00	0.00	✓	2.35			1.00	0.00	0.77
		4	0.00	0.00	✓	0.10			1.00	0.00	1.48
	Ef	1	0.00	0.00	✓	0.17			1.00	0.00	2.36
		2	0.00	0.00		71.23			1.00	0.00	525.39
	Exp	1	0.00	0.00	✓	5.68	0.56	2.19	1.00	0.00	22.26
		2	0.00	0.00	✓	0.06	0.06	0.06	1.00	0.00	0.82
	F	1	0.00	0.00	✓	2.73	0.20	2.66	1.00	0.00	23.38
		2	0.00	0.00	✓	5.01	1.00	4.93	1.00	0.00	49.36
		3	0.00	0.00	✓	9.18	3.99	8.93	1.00	0.00	100.41
	Fc	1	0.00	0.00	✓	1.80	0.14	1.24	1.00	0.00	4.30
		2	0.00	0.00	✓	3.50	0.14	1.38	1.00	0.00	5.82
		3	0.00	0.00	✓	14.71	0.31	5.75	1.00	0.00	29.61
	Ff	1	0.00	0.00	✓	0.04			1.00	0.00	0.55
		2	0.00	0.00	✓	0.02			1.00	0.00	0.30
	G	1	0.00	0.00		38.69	31.06	38.14	1.00	0.00	463.33
		2	0.00	0.00		4.47	0.30	4.47	1.00	0.00	51.38
	Gf	1	0.00	0.00		4.57			1.00	0.00	33.45
		2	0.00	0.00		2.33			1.00	0.00	0.20
	xA	1	0.00	0.00	✓	2.40			1.00	0.00	3.34
		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		33.39			1.00	0.00	343.31
		2	0.00	0.00		8.96			1.00	0.00	58.17
	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	✓	10.94	0.61	5.91	1.00	0.00	60.31
	E1	1	0.00	0.00	✓	4.19	0.38	4.11	1.00	0.00	36.04
		2	0.00	0.00	✓	17.21	9.43	16.49	1.00	0.00	181.39
	Gf1	1	0.00	0.00		0.41			1.00	0.00	0.92
	Cc2	2	0.00	0.00	✓	15.30	2.79	10.19	1.00	0.00	112.52
		3	0.00	0.00	✓	9.11	0.25	5.91	1.00	0.00	37.34
		4	0.00	0.00	✓	15.75	2.31	9.49	1.00	0.00	103.82
		5	0.00	0.00	✓	5.87	0.03	4.37	1.00	0.00	19.83
	E2	3	0.00	0.00		18.79	15.82	18.79	1.00	0.00	221.68
		4	0.00	0.00		2.73	0.16	2.73	1.00	0.00	32.35
	TC5	2	0.00	0.00	✓	2.68	0.18	2.68	1.00	0.00	11.93
		3	0.00	0.00	✓	0.51	0.17	0.51	1.00	0.00	3.66
		4	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC9	1	0.00	0.00	✓	14.19	2.27	9.38	1.00	0.00	71.49
		2	0.00	0.00	✓	5.52	0.34	4.71	1.00	0.00	22.26
		3	0.00	0.00	✓	2.38	0.07	2.26	1.00	0.00	8.38
	TC35	1	0.00	0.00	✓	0.14	0.00	0.14	1.00	0.00	0.47
	TC36	1	0.00	0.00	✓	0.01			1.00	0.00	0.12
	TC37	1	0.00	0.00	✓	0.16	0.00	0.16	1.00	0.00	0.61
	TC38	1	0.00	0.00	✓	2.42			1.00	0.00	0.50
	TC39	2	0.00	0.00	✓	0.06			1.00	0.00	0.90
		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	✓	2.76	0.23	2.66	1.00	0.00	23.99

	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	✓	0.27			1.00	0.00	3.80
	49	1	0.00	0.00	✓	0.45			1.00	0.00	6.35
		2	0.00	0.00	✓	0.51			1.00	0.00	7.16
	50	1	0.00	0.00	✓	0.66			1.00	0.00	9.38
	51	1	0.00	0.00	✓	0.16			1.00	0.00	2.25

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 19:55:09	19/07/2021 19:55:21	16:30	60	4463.09	270.39	111.24	Ef/2	10	7	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	111	-100	67579	4784	14.40	3839.58	623.51	4463.09

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	67579	67534	272	✓	111	✓	-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	8.36	14.40	270.39	3839.58	34.88	23416.90	623.51

Network Results: Queues and blocking

Time Segment	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))
16:30-17:30	187.53	0.00	1334.75

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	4463.09

Point to Point Journey Time

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	214.7	244.8	174.3	157.8	216.0	186.1	177.3	0.0
	B28	192.8	0.0	138.2	118.5	146.6	143.4	145.3	0.0
	C28	193.3	290.4	0.0	91.8	92.7	130.2	138.5	0.0
	D28	130.8	293.3	211.1	0.0	219.9	102.0	111.2	0.0
	E28	169.6	757.5	233.2	58.5	0.0	92.4	100.2	0.0
	F28	88.1	297.8	128.9	127.6	135.0	0.0	15.1	0.0
	G28	73.5	229.3	119.4	108.8	120.3	137.9	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Calculated Total Flow (PCU/hr)	Avg journey time (s)
23	C28	A28	271	193.54	271	193.54

24	C28	C28	0	0.00	0	0.00
25	C28	C28	0	0.00	0	0.00
32	C28	E28	98	92.71	98	92.71
36	C28	E28	0	0.00	0	0.00
41	E28	A28	443	172.69	443	172.69
42	E28	C28	45	235.61	45	235.61
43	E28	C28	0	0.00	0	0.00
44	E28	E28	0	0.00	0	0.00
45	E28	E28	0	0.00	0	0.00
49	C28	D28	175	91.81	175	91.81
50	E28	D28	107	58.52	107	58.52
68	E28	G28	90	100.86	90	100.86
86	F28	D28	43	127.64	43	127.64
91	C28	F28	6	130.15	6	130.15
92	E28	F28	4	92.43	4	92.43
96	A28	C28	71	242.50	71	242.50
97	G28	D28	0	0.00	0	0.00
98	G28	E28	0	0.00	0	0.00
99	C28	B28	24	231.55	24	231.55
100	E28	B28	245	422.47	245	422.47
101	E28	E28	0	0.00	0	0.00
102	A28	C28	214	134.71	214	134.71
103	F28	B28	0	0.00	0	0.00
104	C28	G28	203	138.04	203	138.04
105	D28	H28	0	0.00	0	0.00
106	G28	C28	460	123.44	460	123.44
107	A28	B28	26	194.72	26	194.72
108	B28	G28	125	139.89	125	139.89
109	C28	G28	64	140.26	64	140.26
110	E28	G28	67	99.39	67	99.39
111	B28	G28	19	150.85	19	150.85
112	F28	G28	40	15.14	40	15.14
113	F28	A28	65	88.14	65	88.14
114	C28	H28	0	0.00	0	0.00
115	B28	C28	4	135.04	4	135.04
116	F28	C28	2	146.45	2	146.45
117	H28	H28	0	0.00	0	0.00
118	F28	C28	35	126.37	35	126.37
119	F28	E28	8	141.74	8	141.74
120	F28	E28	8	128.27	8	128.27
121	A28	A28	2	214.19	2	214.19
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	2	135.45	2	135.45
130	G28	C28	219	119.48	219	119.48
131	G28	E28	72	134.84	72	134.84
132	H28	C28	0	0.00	0	0.00
133	H28	E28	0	0.00	0	0.00
134	H28	D28	0	0.00	0	0.00
135	H28	E28	0	0.00	0	0.00
136	E28	E28	0	0.00	0	0.00
137	H28	G28	0	0.00	0	0.00
138	H28	G28	0	0.00	0	0.00

139	D28	E28	1	227.21	1	227.21
140	D28	D28	0	0.00	0	0.00
141	D28	E28	1	224.32	1	224.32
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	643.67	4	643.67
150	E28	B28	336	1001.71	336	1001.71
151	B28	A28	0	0.00	0	0.00
152	H28	B28	0	0.00	0	0.00
153	F28	B28	15	297.83	15	297.83
154	E28	A28	24	112.14	24	112.14
155	E28	C28	0	0.00	0	0.00
156	C28	G28	60	138.54	60	138.54
157	H28	B28	0	0.00	0	0.00
158	B28	D28	170	118.48	170	118.48
159	B28	E28	108	116.59	108	116.59
160	B28	G28	96	151.28	96	151.28
161	B28	F28	5	143.39	5	143.39
162	B28	H28	0	0.00	0	0.00
163	B28	A28	18	192.83	18	192.83
164	B28	B28	0	0.00	0	0.00
165	B28	B28	0	0.00	0	0.00
166	B28	C28	86	138.35	86	138.35
167	B28	E28	374	155.29	374	155.29
168	G28	A28	787	73.46	787	73.46
169	G28	B28	151	280.04	151	280.04
170	G28	B28	151	178.47	151	178.47
171	G28	H28	0	0.00	0	0.00
175	G28	C28	110	103.33	110	103.33
176	G28	E28	116	118.71	116	118.71
177	G28	D28	128	106.17	128	106.17
178	G28	E28	57	105.24	57	105.24
181	G28	G28	0	0.00	0	0.00
185	A28	B28	26	294.80	26	294.80
186	A28	C28	59	235.94	59	235.94
187	A28	E28	214	254.17	214	254.17
195	D28	G28	150	111.41	150	111.41
196	D28	F28	8	102.03	8	102.03
197	D28	G28	20	109.49	20	109.49
198	D28	A28	5	130.84	5	130.84
199	D28	B28	139	337.10	139	337.10
200	D28	B28	139	236.65	139	236.65
201	D28	C28	172	213.92	172	213.92
204	D28	C28	45	202.02	45	202.02
205	D28	E28	12	220.11	12	220.11
206	D28	D28	0	0.00	0	0.00
207	D28	E28	1	206.37	1	206.37
210	A28	G28	257	167.94	257	167.94
211	A28	H28	0	0.00	0	0.00
212	A28	D28	13	157.81	13	157.81
213	A28	E28	175	158.44	175	158.44
214	G28	G28	0	0.00	0	0.00
215	G28	F28	5	137.92	5	137.92

218	A28	G28	135	193.99	135	193.99
219	A28	F28	8	186.10	8	186.10
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	251.56	53	251.56
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	193.57	10	193.57
232	A28	H28	0	0.00	0	0.00
233	B28	H28	0	0.00	0	0.00
234	C28	G28	41	137.61	41	137.61
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	363.64	44	363.64
239	D28	B28	43	263.27	43	263.27
240	G28	C28	50	117.18	50	117.18
241	E28	C28	0	0.00	0	0.00
242	H28	C28	0	0.00	0	0.00
243	G28	D28	11	138.95	11	138.95
244	G28	E28	0	0.00	0	0.00
245	C28	C28	0	0.00	0	0.00
246	E28	C28	45	230.89	45	230.89
247	E28	E28	0	0.00	0	0.00
248	D28	C28	31	208.70	31	208.70
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	2	142.53	2	142.53
253	F28	E28	0	0.00	0	0.00
254	A28	A28	2	215.13	2	215.13
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	188.16	10	188.16
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	852	2050	28	0.00	86	5	24.81	19.22	61.53	10.09
	2	(untitled)	6	771-2	E	369	2050	28	0.00	37	142	12.98	7.22	27.06	2.43
	3	(untitled)	6	771-2	E	766	2050	28	0.00	77	16	20.43	14.53	61.76	11.13
	4	(untitled)	6	771-2	E	510	2050	28	0.00	51	75	17.28	11.25	62.00	7.38
Ac	1	(untitled)	6	771-2	D	775	2263	22	1.00	89	1	42.49	35.31	84.04	15.02
	2	(untitled)	6	771-2	D	278	2263	22	15.24	37	141	13.14	3.64	35.28	3.78
	3	(untitled)	6	771-2	D	440	2263	22	3.00	51	77	12.82	6.22	48.72	7.41
Acf	1	(untitled)	6			1053	2263	60	26.00	47	93	5.91	0.69	0.00	0.20
	2	(untitled)	6			440	2263	60	34.00	19	363	7.44	0.19	0.00	0.02
Af	1	(untitled)	6			1221	2050	60	6.00	60	51	7.71	1.29	0.00	0.44
	2	(untitled)	6			766	2050	60	18.09	37	140	6.91	0.53	1.10	1.56
	3	(untitled)	6			510	2050	60	6.00	25	262	6.65	0.29	0.00	0.04
B	1	(untitled)	1	769-1	B	266	2050	10	0.00	71	27	41.39	34.29	102.95	4.60
	2	(untitled)	1	769-1	B	397 <	2150	10	0.00	101	-11	149.54	142.25	243.13	19.54 +
	3	(untitled)	1	769-1	B	341	2100	10	0.21	90	0	67.52	60.05	140.30	8.48
	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	734	2050	38	4.00	55	63	18.25	6.30	39.41	4.96
Bc	2	(untitled)	1	769-1	A	1061	2050	38	5.95	84	7	24.89	15.05	69.51	15.75
	3	(untitled)	1	769-1	A	568	2050	38	5.45	44	103	13.96	2.25	10.36	9.84
Bcf	1	(untitled)	1			1627	2263	60	9.00	72	25	6.37	2.02	0.00	0.91
	2	(untitled)	1			734	2263	60	20.00	32	177	5.73	0.38	0.00	0.08
	3	(untitled)	1			1061	2263	60	11.00	47	92	6.56	0.70	0.00	0.21
	4	(untitled)	1			568	2263	60	21.00	25	259	6.59	0.27	0.00	0.04
Bf	1	(untitled)	1			663	1800	60	0.00	37	144	27.92	0.58	0.00	0.11
	2	(untitled)	1			602	1800	60	0.00	33	169	27.92	0.50	0.00	0.08
C	1	(untitled)	2	769-2	G	464	2100	13	0.00	95	-5	80.85	66.31	151.95	12.92
	2	(untitled)	2	769-2	G	398	2200	13	0.00	78	16	48.03	33.34	107.85	7.27
	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			464	1965	60	0.00	24	281	17.64	0.28	0.00	0.04
	2	(untitled)	2			541	1965	60	0.00	28	227	17.85	0.35	0.00	0.05
D	1	(untitled)	3	770-1	B	273	2050	12	0.00	61	46	31.75	27.63	92.02	4.20
	2	(untitled)	3	770-1	B	320	1850	12	0.00	80	13	43.21	39.09	108.30	6.16
	3	(untitled)	3	770-1	B	363	2250	12	1.55	85	6	47.79	43.82	117.43	7.30
Dc	1	(untitled)	3	770-1	A	795	2100	38	1.23	59	54	11.38	7.58	50.46	6.74
	2	(untitled)	3	770-1	A	768	2100	38	0.00	56	60	9.19	5.54	39.91	5.27
	3	(untitled)	3	770-1	A	278	2100	38	24.00	20	342	6.92	3.41	41.63	2.34
	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			1101	2050	60	16.00	54	67	5.96	1.02	0.00	0.31
	2	(untitled)	3			1345	2100	60	15.14	65	38	6.59	1.65	3.23	2.93
	3	(untitled)	3			768	2100	60	14.00	37	146	5.90	0.49	0.00	0.11
	4	(untitled)	3			278	2100	60	35.00	13	580	6.84	0.13	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			593	1900	60	0.00	31	188	24.43	0.43	0.00	0.07
	2	(untitled)	3-2			363	2250	60	0.00	16	458	24.15	0.15	0.00	0.02
Dxp	1	(untitled)	3-2	770-2	D	1101	2050	41	5.00	77	17	8.34	4.85	14.02	2.68
	2	(untitled)	3-2	770-2	D	550	2050	41	7.00	38	135	4.49	0.84	1.95	0.18
Ec	1	(untitled)	4	770-3	F	540	2150	35	0.00	42	115	10.72	6.96	44.67	5.04
	2	(untitled)	4	770-3	F	528	2263	35	15.00	39	131	12.39	8.75	68.25	6.29
	3	(untitled)	4	770-3	F	518	2263	35	21.00	38	136	8.02	4.52	38.60	4.87
	4	(untitled)	4	770-3	F	291	2250	35	28.00	22	318	17.00	13.55	101.93	4.89
Ecf	1	(untitled)	4			893	2100	60	10.92	44	105	4.68	1.23	8.06	5.08
	2	(untitled)	4			943	2100	60	8.00	45	101	4.18	0.70	0.00	0.18
	3	(untitled)	4			528	2263	60	32.22	23	284	3.77	0.25	1.44	2.35
	4	(untitled)	4			837	2300	60	34.00	36	147	4.41	0.45	0.00	0.10

Ef	**1**	(untitled)	4			825	1900	60	0.00	43	107	16.03	0.73	0.00	0.17
	2	(untitled)	4			581 <	1900	60	43.51	111	-19	236.57	221.27	279.42	41.60 +
Exp	**1**	(untitled)	4-2	770-4	L	893	2050	40	2.00	64	41	8.40	4.51	22.18	5.68
	2	(untitled)	4-2	770-4	L	403	2050	40	16.00	29	213	4.55	0.52	0.00	0.06
F	**1**	(untitled)	5	771-1	B	178	2100	10	0.00	46	95	32.26	25.88	91.20	2.73
	2	(untitled)	5	771-1	B	283	2100	10	0.00	74	22	42.12	35.69	104.86	5.00
	3	(untitled)	5	771-1	B	350	2100	10	0.00	91	-1	67.73	61.18	141.87	8.80
Fc	**1**	(untitled)	5	771-1	A	622	2263	40	11.00	40	124	20.36	1.25	12.00	1.80
	2	(untitled)	5	771-1	A	609	2263	40	18.07	40	123	20.46	1.53	21.01	3.50
	3	(untitled)	5	771-1	A	824	2263	40	18.25	54	68	25.67	6.00	80.32	14.71
Ff	**1**	(untitled)	5			461	1900	60	0.00	24	271	33.39	0.30	0.00	0.04
	2	(untitled)	5			350	1900	60	0.00	18	389	33.26	0.21	0.00	0.02
G	**1**	(untitled)	2	769-2	F	307 <	2050	13	5.01	100	-10	379.49	363.43	449.28	35.20 +
	2	(untitled)	2	769-2	F	246	2050	13	6.51	53	69	55.21	43.76	110.97	4.47
Gf	**1**	(untitled)	4			302	2050	60	50.33	28	222	23.63	20.72	90.22	4.57
	2	(untitled)	4			222	2050	60	48.08	11	730	3.01	0.12	1.34	2.33
xA	**1**	(untitled)	10			710	2263	60	20.81	32	178	17.77	0.55	7.90	2.40
	2	(untitled)	10			663	2263	60	27.00	29	207	17.58	0.33	0.00	0.06
xB	**1**	(untitled)				1627	Unrestricted	60	0.00	0	Unrestricted	5.79	0.00	0.00	0.00
xC	**1**	(untitled)				682 <	1900	60	38.30	99	-9	125.46	116.80	131.42	29.09 +
	2	(untitled)				609	1900	60	38.84	83	8	26.18	17.49	82.19	8.92
xD	**1**	(untitled)				1101	Unrestricted	60	15.00	0	Unrestricted	9.13	0.00	0.00	0.00
	2	(untitled)				550	Unrestricted	60	19.00	0	Unrestricted	9.21	0.00	0.00	0.00
xE	**1**	(untitled)				893	Unrestricted	60	13.00	0	Unrestricted	13.04	0.00	0.00	0.00
	2	(untitled)				403	Unrestricted	60	21.00	0	Unrestricted	13.04	0.00	0.00	0.00
xF	**1**	(untitled)				647	Unrestricted	60	1.00	0	Unrestricted	12.19	0.00	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	734	2050	32	4.00	65	38	20.33	13.78	70.71	10.94
E1	**1**	(untitled)	4	770-3	G	292	2050	14	0.00	57	58	30.30	24.30	85.87	4.19
	2	(untitled)	4	770-3	G	533 <	2200	14	0.00	97	-7	79.55	73.55	156.38	15.36 +
Gf1	**1**	(untitled)	4			28	643	60	54.12	5	1757	7.24	3.54	58.31	0.41
Cc2	**2**	(untitled)	2	769-2	D	1015	2150	33	5.35	87	4	27.45	20.75	81.63	15.24
	3	(untitled)	2	769-2	D	583	2050	33	2.00	50	79	17.62	10.46	76.26	9.11
	4	(untitled)	2	769-2	D	1032 <	2150	33	3.01	85	6	24.69	18.11	83.76	15.71 +
	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	6.57	100	-10	172.52	168.53	215.66	15.19 +
	4	(untitled)	4	770-3	H	220	2050	14	3.00	43	109	35.30	31.22	73.31	2.73
TC5	**2**	(untitled)	TC771-6	TC777-1	A	674	2263	38	8.00	45	101	6.49	3.73	23.85	2.68
	3	(untitled)	TC771-6	TC777-1	A	663	2263	38	11.00	44	105	4.02	1.25	4.57	0.51
	4	(untitled)	TC771-6	TC777-1	C	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00
TC9	**1**	(untitled)	TC771-6	TC777-1	B	1139	1925	39	0.00	85	6	24.71	13.70	69.57	14.16
	2	(untitled)	TC771-6	TC777-1	B	762	1966	39	0.00	55	63	17.08	6.03	43.24	5.51
	3	(untitled)	TC771-6	TC777-1	B	416	1947	39	0.00	31	195	15.14	4.02	34.29	2.38
TC35	**1**	(untitled)	TC771-6	TC777-1	A	36	1900	38	31.00	3	3067	5.44	2.54	23.04	0.14
TC36	**1**	(untitled)	TC771-6			220	1800	60	0.00	12	636	3.17	0.14	0.00	0.01
TC37	**1**	(untitled)	TC771-6	TC777-2	J	40	1850	45	45.00	3	3091	4.98	1.79	23.39	0.16
TC38	**1**	(untitled)	TC771-6			40	452	60	39.00	9	916	2.77	1.23	21.93	2.42
TC39	**2**	(untitled)	TC771-6			674	2263	60	28.00	30	202	2.87	0.34	0.00	0.06
	3	(untitled)	TC771-6			663	2263	60	31.00	29	207	2.73	0.33	0.00	0.06

TC40	2	(untitled)	TC771-6			714	Unrestricted	60	19.00	0	Unrestricted	4.23	0.00	0.00	0.00
	3	(untitled)	TC771-6			663	Unrestricted	60	28.00	0	Unrestricted	4.02	0.00	0.00	0.00
TC41	1	(untitled)	TC771-6	TC777-1	D	180	1850	11	0.00	49	85	29.79	25.85	89.81	2.76
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			1005	1965	60	0.00	51	76	7.57	0.96	0.00	0.27
49	1	(untitled)	TC771-6			1139	1900	60	0.00	60	50	4.56	1.41	0.00	0.45
	2	(untitled)	TC771-6			1178	1900	60	0.00	62	45	4.69	1.54	0.00	0.50
50	1	(untitled)	1			1265	1900	60	0.00	67	35	7.66	1.88	0.00	0.66
51	1	(untitled)	4-2			811	1900	60	0.00	43	111	5.20	0.70	0.00	0.16

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	6079.56	427.33	14.23	270.39	3839.58	623.51	0.00	4463.09
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	6079.56	427.33	14.23	270.39	3839.58	623.51	0.00	4463.09

- *< = 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***