TRANSYT 15

Filename: M62 JN 28 CRF Scheme_Mar 20- Scenario 3-PM.t15
Path: Z:\Projects\10127ITM Capitol Park, Leeds F2 (F1A)\Tech\Transyt\TRANSYT - AGREED HE_LCC BASE MODEL (MARCH 2020)\Post-Submission Work\2033 Sensitivity Test
Report generation date: 19/07/2021 20:31:08

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File summary

File description

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

Model and Results

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

Units

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

Sorting

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

Network Diagrams

A2 - 2033 Base + Committed + Cumulative PM
D2 - 2033 Base + Committed + Cumulative PM *

Summary

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Traffic Stream Data	Arm Bf - Traffic Stream 1	Arm Bf - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm Bf - Traffic Stream 2	Arm Bf - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm Ff - Traffic Stream 1	Arm Ff - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm Ff - Traffic Stream 2	Arm Ff - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm xA - Traffic Stream 1	Arm xA - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm xA - Traffic Stream 2	Arm xA - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm TC38 - Traffic Stream 1	Traffic Stream 1: CTM uses a whole number of cells. CTM is using the length adjusted by 30%.
Warning	Traffic Stream Signals	Arm TC5 - Traffic Stream 4 - Signals (TC777-1, C)	Traffic Stream 4 controlling phase C never runs in the current stage sequence.
Warning	Traffic Stream Signals	Arm TC42 - Traffic Stream 1 - Signals (TC777-1, E)	Traffic Stream 1 controlling phase E never runs in the current stage sequence.
Info	Arm Data	Arm xC	No traffic node specified for arm(s): xC
Info	Traffic Stream Signals	Arm TC5 - Traffic Stream 4 - Signals (TC777-1, C)	Traffic Stream 4 controlling phase C never runs in stage sequence 1.
Info	Traffic Stream Signals	Arm TC42 - Traffic Stream 1 - Signals (TC777-1, E)	Traffic Stream 1 controlling phase E never runs in stage sequence 1.

Run Summary

Analysis set used	Run start time	Run finish time	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Ite wit wor over PR
2	19/07/2021 20:30:04	19/07/2021 20:30:17	16:30	60	11793.73	757.47	141.19	Ef/2	21	14	TC5/4	Ef/2	TC5

Analysis Set Details

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

Demand Set Details

Name	Description	Composite	Demand sets	Start time (HH:mm)	Locked
2033 Base + Committed + Cumulative PM				16:30	

Network Options

Network timings

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

Signals options

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

Advanced

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

Traffic options

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

Advanced

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

Normal Traffic parameters

Dispersion type	Dispersion coefficient	Travel time coefficient
Default	35	80

Normal Traffic Types

Name	PCU Factor
Normal	1.00

Bus parameters

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

Tram parameters

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

Pedestrian parameters

Dispersion type
Default

Optimisation options

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

Advanced

Optimisation type	Hill climb increments	OUTProfile accuracy	Use enhanced optimisation	Auto optimisation order	Optimisation order	Master controller	Offsets relative to master controller	Master controller offset after each run
Hill Climb (Fast)	15, 40, -1, 15, 40, 1, -1, 1	50, 50, 5, 5, 0.5, 0.5, 0.05, 0.05		✓	769-1, 769-2, 770-1, 770-3, 771-1, 771-2, TC777-1, TC777-2			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	✓	52.96	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	52.75	✓	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	
	2	(untitled)		✓	55.07	✓	Directly entered	1850		1850	✓		Normal	
TC42	1	(untitled)		✓	23.35	✓	Sum of lanes	1771			✓		Normal	
TC43	1	(untitled)		✓	52.01	✓	Sum of lanes	1800					Normal	
47	1	(untitled)		✓	133.63	✓	Directly entered	1300		1300			Normal	
48	1	(untitled)		✓	55.12	✓	Sum of lanes	1965					Normal	
49	1	(untitled)		✓	26.24	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	26.24	✓	Directly entered	1900					Normal	
50	1	(untitled)		✓	48.15	✓	Sum of lanes	1900					Normal	
51	1	(untitled)		✓	37.47	✓	Sum of lanes	1900					Normal	

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

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

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							
	1	CTM	100	100	100		0.00							

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

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	955	955
	2	434	434
	3	687	687
	4	909	909
Ac	1	885	885
	2	291	291
	3	556	556
Acf	1	1176	1176
	2	556	556
Af	1	1389	1389
	2	687	687
	3	909	909
B	1	293	293
	2	387	387
	3	374	374
	4	366	366

Bc	**1**	812	812
	2	1062	1062
	3	1003	1003
Bcf	**1**	1840	1840
	2	812	812
	3	1062	1062
	4	1003	1003
Bf	**1**	680	680
	2	740	740
C	**1**	508	508
	2	430	430
	3	144	144
Cf	**1**	508	508
	2	574	574
D	**1**	413	413
	2	473	473
	3	482	482
Dc	**1**	821	821
	2	916	916
	3	304	304
	4	510	510
Dcf	**1**	1240	1240
	2	1620	1620
	3	916	916
	4	304	304
	5	510	510
Df	**1**	886	886
	2	482	482
Dxp	**1**	1240	1240
	2	799	799
Ec	**1**	733	733
	2	707	707
	3	623	623
	4	392	392
Ecf	**1**	921	921
	2	1229	1229
	3	707	707
	4	1062	1062
Ef	**1**	859	859
	2	627	627
Exp	**1**	921	921
	2	496	496
F	**1**	233	233
	2	296	296
	3	462	462
Fc	**1**	814	814
	2	714	714
	3	939	939
Ff	**1**	529	529
	2	462	462
G	**1**	339	339
	2	335	335
Gf	**1**	335	335
	2	292	292
xA	**1**	957	957
	2	769	769
xB	**1**	1840	1840

xC	1	754	754
	2	709	709
xD	1	1240	1240
	2	799	799
xE	1	921	921
	2	496	496
xF	1	847	847
Cc1	1	788	788
E1	1	312	312
	2	547	547
Gf1	1	47	47
Cc2	2	1141	1141
	3	724	724
	4	1277	1277
	5	366	366
E2	3	335	335
	4	292	292
TC5	2	764	764
	3	769	769
	4	0	0
TC9	1	1160	1160
	2	687	687
	3	680	680
TC35	1	193	193
TC36	1	567	567
TC37	1	110	110
TC38	1	110	110
TC39	2	764	764
	3	769	769
TC40	2	874	874
	3	769	769
TC41	1	229	229
	2	229	229
TC42	1	0	0
TC43	1	0	0
47	1	1462	1462
48	1	1082	1082
49	1	1160	1160
	2	1367	1367
50	1	1420	1420
51	1	991	991

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	
	2	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	6.36	30.00	✓	Nearside	10.60
	3	1	TC42/1	Af/3	6.33	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
	2	**1**	TC36/1	TC41/2	3.97	50.00	✓	Straight	Straight Movement
TC43	**1**	**1**	TC9/1	TC43/1	3.74	50.00	✓	Nearside	6.11
47	**1**	**1**	xC/1	47/1	16.04	30.00	✓	Straight	Straight Movement
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	6.36	30.00	✓	Straight	Straight Movement
	3	**2**	TC9/3	Af/3	6.33	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
	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

Dcf	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	3.74	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	TC41/2	Af/2	6.36	30.00	✓	Offside	6.00
	3	3	TC41/2	Af/3	6.33	30.00	✓	Offside	6.00
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	53	411	13	446	60	434	0
	B28	19	0	103	178	513	13	256	0
	C28	381	47	0	313	100	21	506	0
	D28	5	378	358	0	17	60	173	0
	E28	477	627	93	114	1	10	164	0
	F28	162	40	79	88	88	0	110	0
	G28	793	317	995	141	252	29	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	
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	
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	
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	
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	
	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	
1	171		G28	H28	49/1, TC9/1, TC43/1	Normal	
	172		F28	D28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	173		F28	E28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	174		F28	F28	TC36/1, TC41/2, 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	
	175		G28	C28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	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	
	179		F28	E28	TC36/1, TC41/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	
	180		F28	D28	TC36/1, TC41/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	
	181		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	
	185		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	
	186		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	
	187		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	196		D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	
	197		D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	198		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	
	199		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
	200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	
	201		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	204		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	
	205		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	
	206		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	207		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	210		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	
	211		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	212		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	213		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	214		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	215		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	218		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	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	
	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	
	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	
	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	
	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	
	268		F28	C28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	269		F28	E28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	270		F28	D28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	
	271		F28	E28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	272		F28	H28	TC36/1, TC41/2, 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	
	273		F28	H28	TC36/1, TC41/2, 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	
	274		F28	C28	TC36/1, TC41/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Disabled	
	275		F28	C28	TC36/1, TC41/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
	276		F28	E28	TC36/1, TC41/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	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	✓	✓	Offsets And Green Splits		

Phases

Controller Stream	Phase	Name	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type	Blackout Time (s)
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	29, 51

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	56	29	33	1	7
	2	✓	2	B	40	51	11	1	7

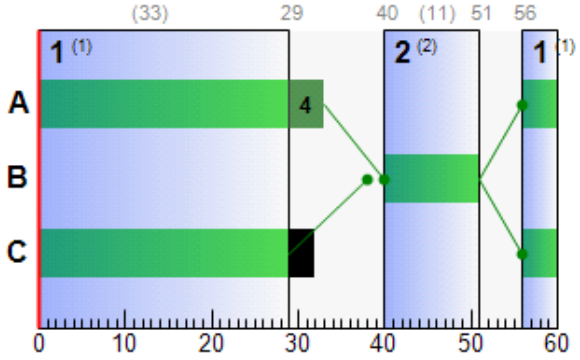
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
769-1	A	1	✓	56	33	37
	B	1	✓	40	51	11
	C	1	✓	56	29	33

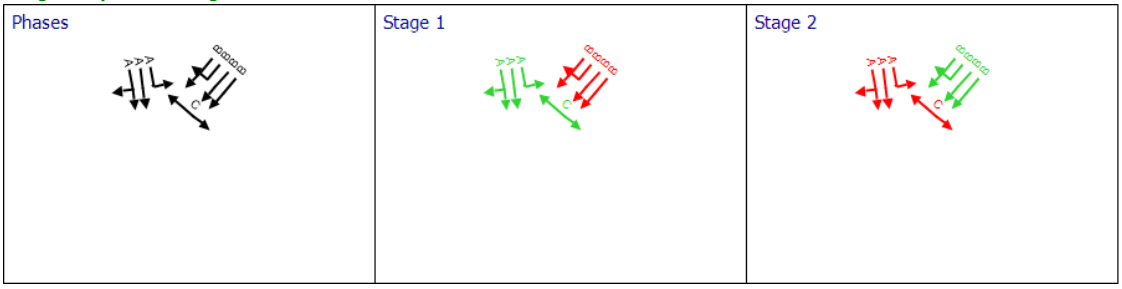
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
B	1	1	769-1	B	40	51	11
B	2	1	769-1	B	40	51	11
B	3	1	769-1	B	40	51	11
B	4	1	769-1	B	40	51	11
Bc	1	1	769-1	A	56	33	37
Bc	2	1	769-1	A	56	33	37
Bc	3	1	769-1	A	56	33	37

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	✓	✓	Offsets And Green Splits		

Phases

Controller Stream	Phase	Name	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type	Blackout Time (s)
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

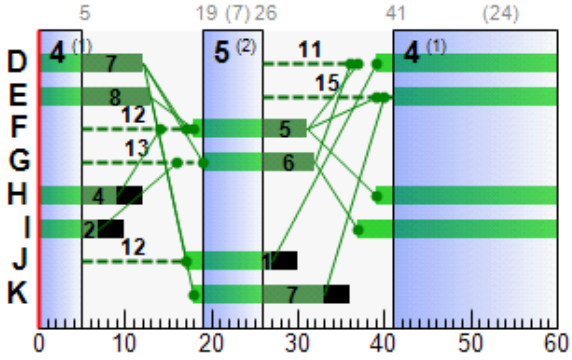
Resultant Phase Green Periods

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

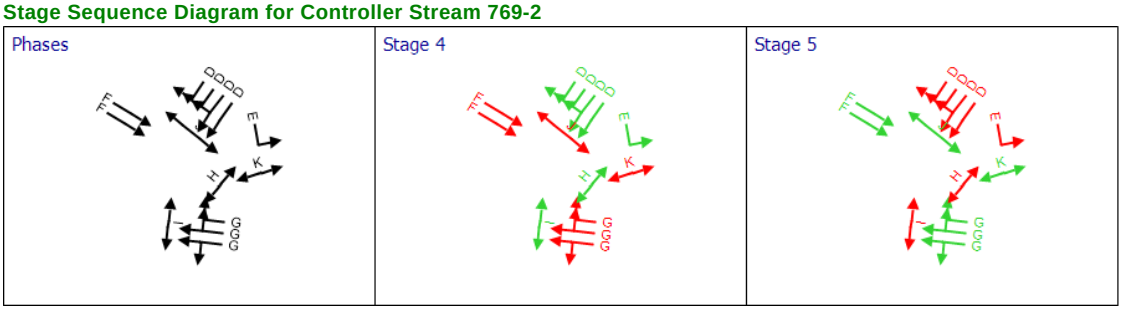
Traffic Stream Green Times

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	✓	✓	Offsets And Green Splits		

Phases

Controller Stream	Phase	Name	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type	Blackout Time (s)
770-1	A	(untitled)	7	300	0	0	Traffic	
	B	(untitled)	7	300	0	0	Traffic	
	C	(untitled)	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	52, 18

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	23	52	29	1	5
	2	✓	2	B	59	18	19	1	7

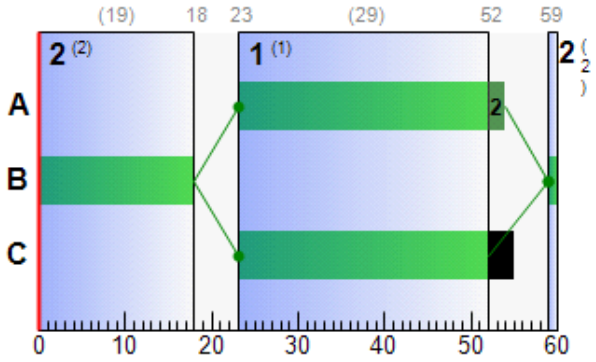
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
770-1	A	1	✓	23	54	31
	B	1	✓	59	18	19
	C	1	✓	23	52	29

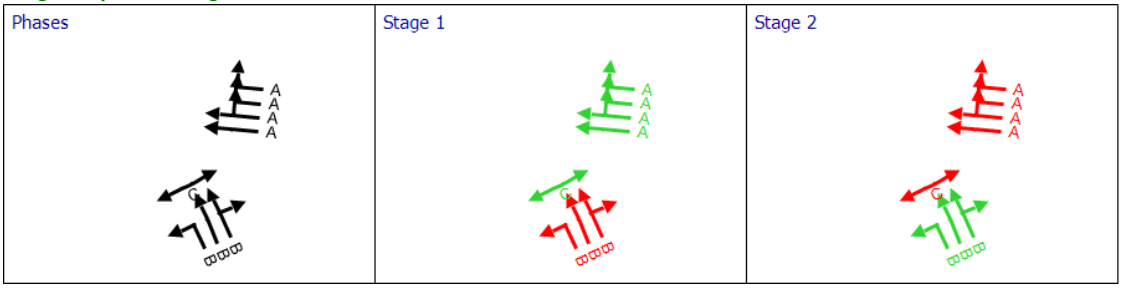
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
D	1	3	770-1	B	59	18	19
D	2	3	770-1	B	59	18	19
D	3	3	770-1	B	59	18	19
Dc	1	3	770-1	A	23	54	31
Dc	2	3	770-1	A	23	54	31
Dc	3	3	770-1	A	23	54	31
Dc	4	3	770-1	A	23	54	31

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

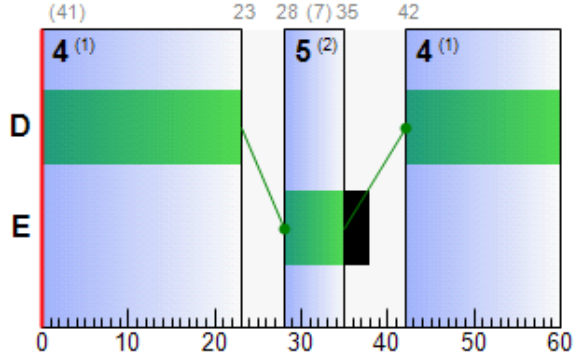
Resultant Phase Green Periods

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

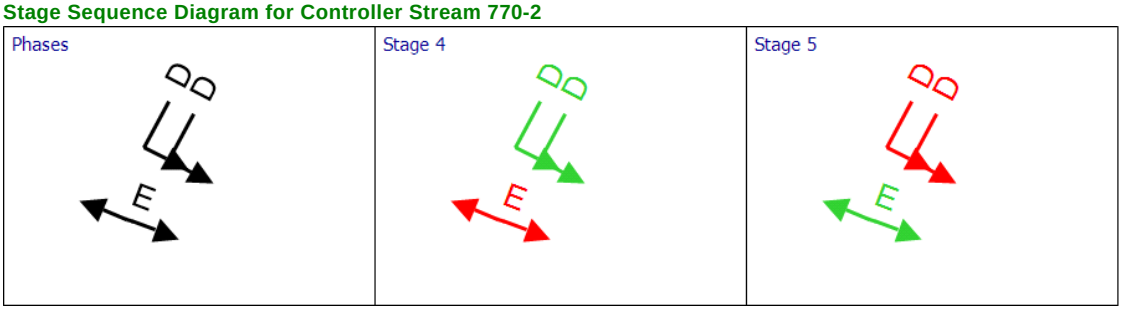
Traffic Stream Green Times

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	✓	✓	Offsets And Green Splits		

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
770-3	1	(untitled)	Single	7, 9	13, 42

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	8	12	0	0
	9	12	0	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
770-3	1	✓	7	F,I,J	54	13	19	1	2
	2	✓	9	G,H	24	42	18	1	1

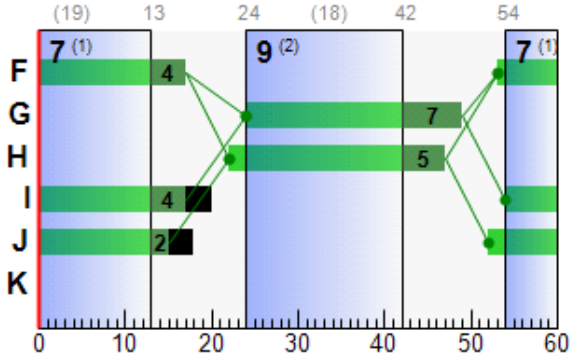
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
770-3	F	1	✓	53	17	24
	G	1	✓	24	49	25
	H	1	✓	22	47	25
	I	1	✓	54	17	23
	J	1	✓	52	15	23

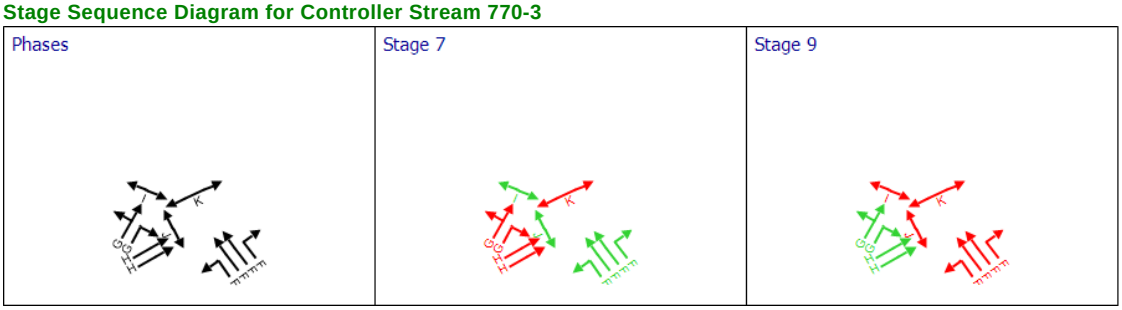
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
Ec	1	4	770-3	F	53	17	24
Ec	2	4	770-3	F	53	17	24
Ec	3	4	770-3	F	53	17	24
Ec	4	4	770-3	F	53	17	24
E1	1	4	770-3	G	24	49	25
E1	2	4	770-3	G	24	49	25
E2	3	4	770-3	H	22	47	25
E2	4	4	770-3	H	22	47	25

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

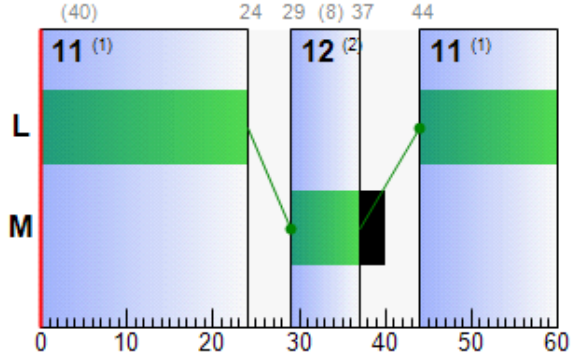
Resultant Phase Green Periods

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

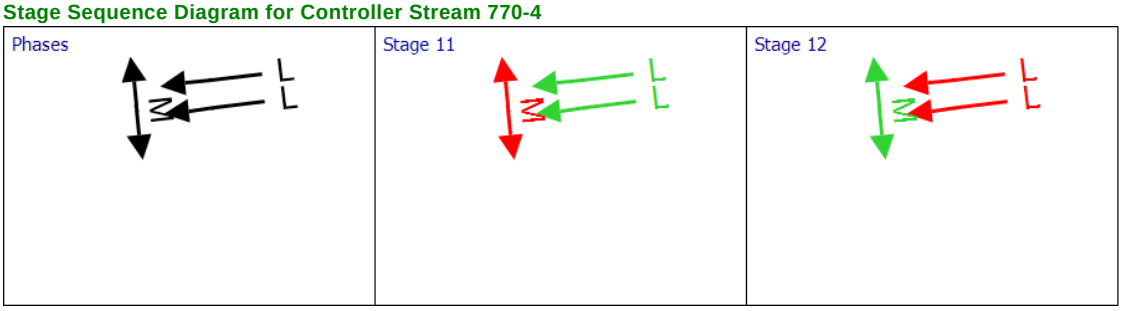
Traffic Stream Green Times

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	✓	✓	Offsets And Green Splits		

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
771-1	1	(untitled)	Single	1, 3	45, 11

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	16	45	29	1	9
	2	✓	3	B	56	11	15	1	7

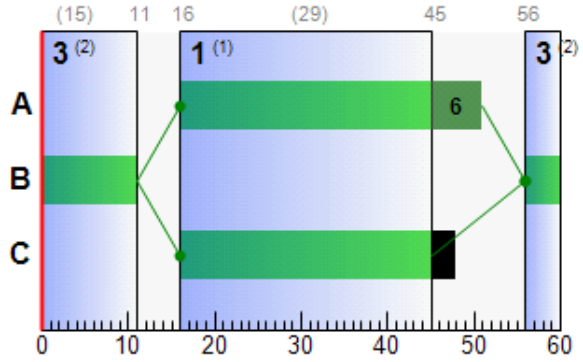
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
771-1	A	1	✓	16	51	35
	B	1	✓	56	11	15
	C	1	✓	16	45	29

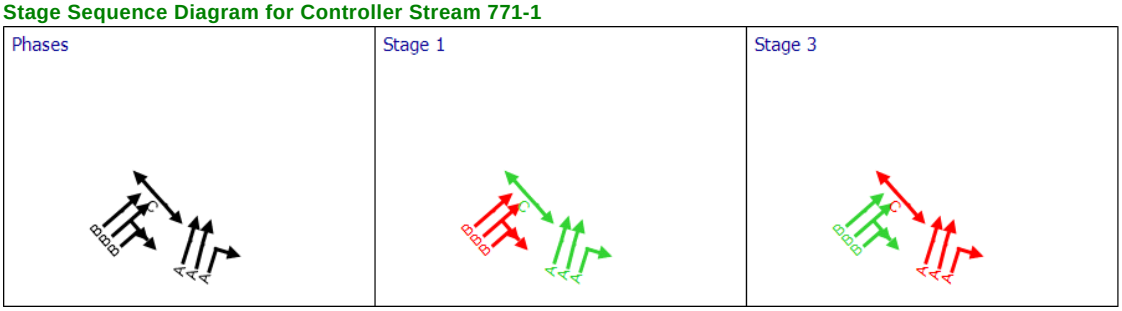
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
F	1	5	771-1	B	56	11	15
F	2	5	771-1	B	56	11	15
F	3	5	771-1	B	56	11	15
Fc	1	5	771-1	A	16	51	35
Fc	2	5	771-1	A	16	51	35
Fc	3	5	771-1	A	16	51	35

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	✓	✓	Offsets And Green Splits		

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	28, 1

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	6	28	22	1	7
	2	✓	6	E	33	1	28	1	7

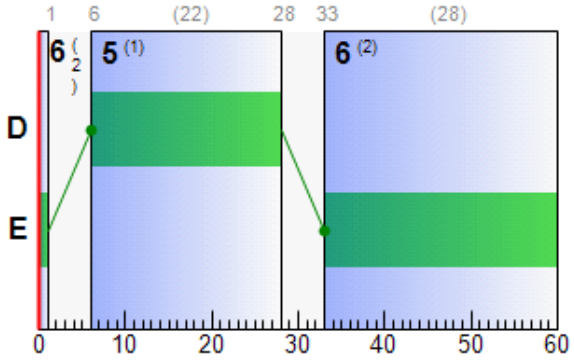
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
771-2	D	1	✓	6	28	22
	E	1	✓	33	1	28

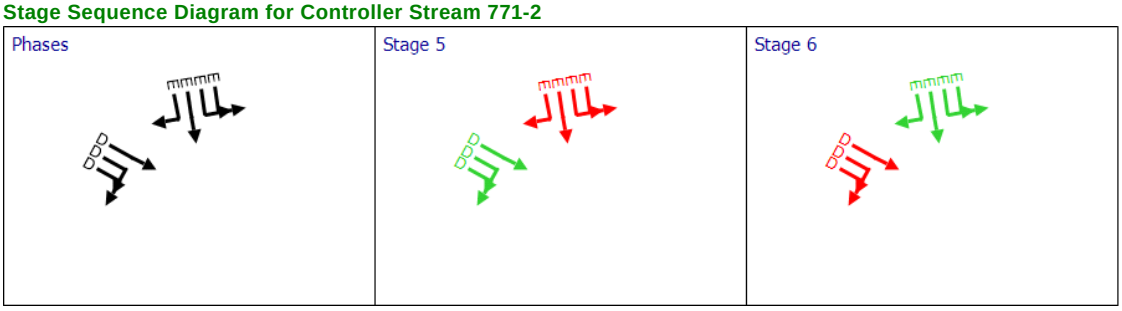
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
A	1	6	771-2	E	33	1	28
A	2	6	771-2	E	33	1	28
A	3	6	771-2	E	33	1	28
A	4	6	771-2	E	33	1	28
Ac	1	6	771-2	D	6	28	22
Ac	2	6	771-2	D	6	28	22
Ac	3	6	771-2	D	6	28	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	✓	✓	Offsets And Green Splits		

Phases

Controller Stream	Phase	Name	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type	Blackout Time (s)
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	2, 17

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				8					
	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	8	8	5
	2	10	0	10	8	8	5
	3	6	6	0	8	8	6
	4	5	6	8	0	8	5
	5	6	6	5	6	0	6
	6	5	5	8	8	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	23	2	39	1	7
	2	✓	5	D,H,I	10	17	7	1	7

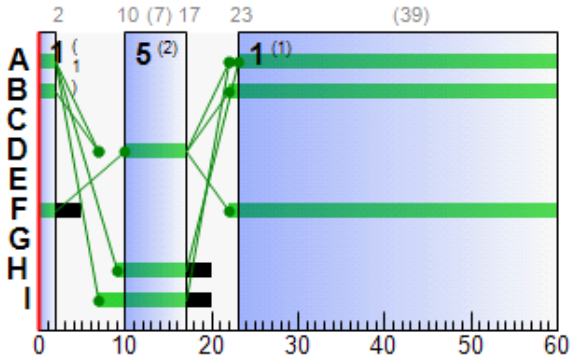
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
TC777-1	A	1	✓	23	2	39
	B	1	✓	22	2	40
	D	1	✓	10	17	7
	F	1	✓	22	2	40
	H	1	✓	9	17	8
	I	1	✓	7	17	10

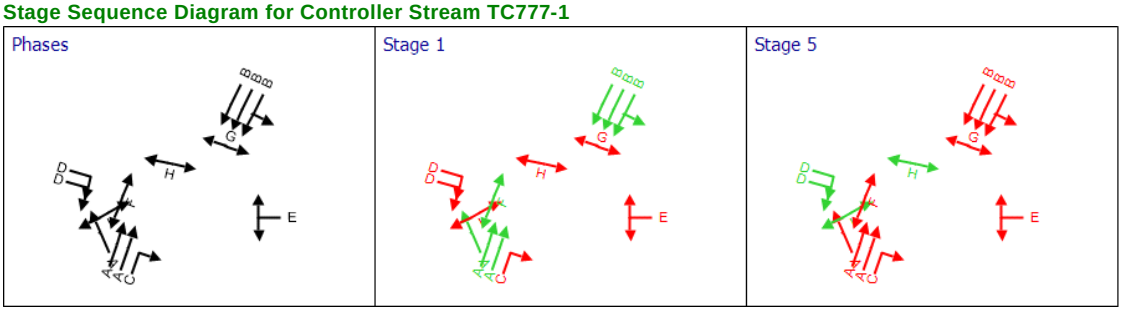
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
TC5	2	TC771-6	TC777-1	A	23	2	39
TC5	3	TC771-6	TC777-1	A	23	2	39
TC5	4	TC771-6	TC777-1	C			
TC9	1	TC771-6	TC777-1	B	22	2	40
TC9	2	TC771-6	TC777-1	B	22	2	40
TC9	3	TC771-6	TC777-1	B	22	2	40
TC35	1	TC771-6	TC777-1	A	23	2	39
TC41	1	TC771-6	TC777-1	D	10	17	7
TC41	2	TC771-6	TC777-1	D	10	17	7
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	✓	✓	Offsets And Green Splits		

Phases

Controller Stream	Phase	Name	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type	Blackout Time (s)
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	40, 50

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	55	40	45	1	7
	2	✓	2	K	45	50	5	1	5

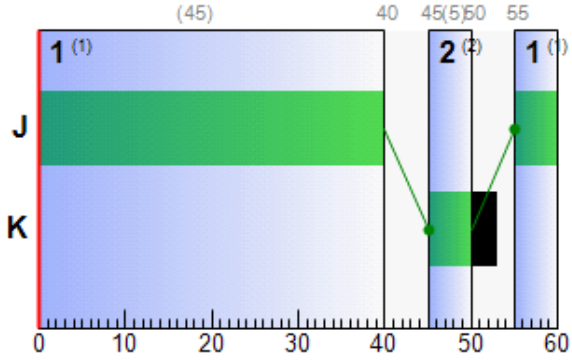
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
TC777-2	J	1	✓	55	40	45
	K	1	✓	45	50	5

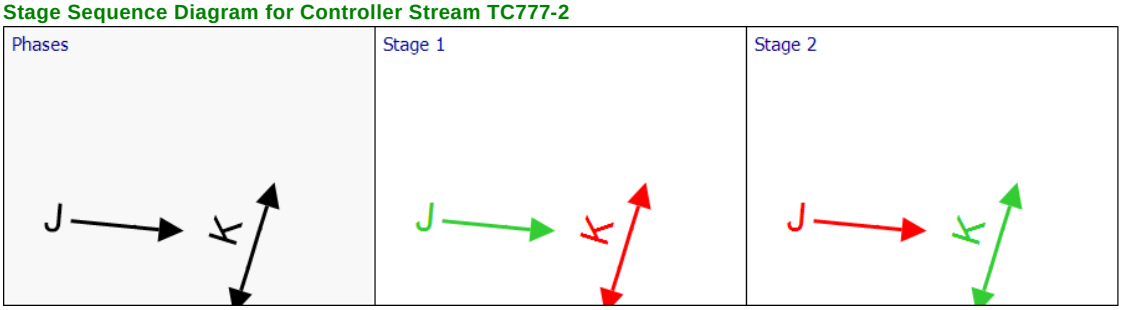
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
TC37	1	TC771-6	TC777-2	J	55	40	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	955	2050	28	991	96	-7	42.69	18.92	146.01	48.27

	A	2	(untitled)	E	434	2050	28	991	44	105	8.53	3.05	22.78	14.30
		3	(untitled)	E	687	2050	28	991	69	30	12.41	10.20	74.58	18.31
		4	(untitled)	E	909	2050	28	991	92	-2	30.99	17.07	122.15	37.01
	Ac	1	(untitled)	D	867	2263	22	867	100	-10	95.62	30.47	182.87	102.81
		2	(untitled)	D	292	2263	22	796	37	145	33.58	5.36	33.37	43.08
		3	(untitled)	D	553	2263	22	860	64	40	6.18	2.89	18.92	12.78
	Acf	1	(untitled)		1160	2263	60	1159	100	-10	63.86	27.80	229.69	69.08
		2	(untitled)		553	2263	60	2263	24	268	0.26	0.04	0.32	7.50
	Af	1	(untitled)		1389	2050	60	1992	70	29	2.35	5.39	57.89	8.78
		2	(untitled)		687	2050	60	2050	34	169	0.44	0.08	0.92	6.80
		3	(untitled)		909	2050	60	2046	44	103	0.70	1.63	17.73	7.03
	B	1	(untitled)	B	215	2050	11	408	53	71	36.25	3.87	23.51	43.35
		2	(untitled)	B	283	2150	11	283	100	-10	280.31	24.16	142.97	287.60
		3	(untitled)	B	273	2100	11	415	66	37	20.54	3.83	22.10	28.02
		4	(untitled)	B	268	2050	11	410	65	38	24.16	3.99	22.39	36.45
	Bc	1	(untitled)	A	813	2050	37	1298	63	44	5.60	6.35	27.50	17.56
		2	(untitled)	A	1059	2050	37	1298	82	10	13.41	13.44	58.77	25.24
		3	(untitled)	A	1003	2050	37	1238	81	11	14.28	21.06	93.09	25.99
	Bcf	1	(untitled)		1822	2263	60	2263	81	12	3.25	1.65	15.12	7.60
		2	(untitled)		813	2263	60	2263	36	151	0.45	0.10	0.92	5.87
		3	(untitled)		1059	2263	60	2263	47	92	0.70	0.21	1.90	6.36
		4	(untitled)		1003	2263	60	2245	45	101	0.65	1.93	17.80	6.99
	Bf	1	(untitled)		498	1800	60	515	97	-7	246.84	46.25	116.73	274.17
		2	(untitled)		541	1800	60	1800	30	199	0.43	0.06	0.16	27.84
	C	1	(untitled)	G	481	2100	13	490	98	-8	179.87	28.81	136.74	194.40
		2	(untitled)	G	430	2200	13	513	84	7	39.01	8.47	39.82	53.69
		3	(untitled)	G	144	2050	13	478	30	199	20.61	1.98	9.18	35.53
	Cf	1	(untitled)		508	1965	60	481	106	-15	239.70	41.39	164.58	257.05
		2	(untitled)		574	1965	60	1965	29	208	0.38	0.06	0.24	17.88
	D	1	(untitled)	B	413	2050	19	683	60	49	20.69	5.58	58.31	24.82
		2	(untitled)	B	473	1850	19	617	77	17	27.27	7.09	74.09	31.39
		3	(untitled)	B	482	2250	19	705	68	32	22.94	6.68	72.62	26.91
	Dc	1	(untitled)	A	756	2100	31	1104	68	31	11.30	6.59	74.76	15.10
		2	(untitled)	A	836	2100	31	1120	75	21	13.30	7.08	83.51	16.95
		3	(untitled)	A	269	2100	31	1120	24	275	9.72	2.36	28.97	13.23
		4	(untitled)	A	412	2100	31	1120	37	145	19.90	5.76	73.88	23.26
	Dcf	1	(untitled)		1149	2050	60	2050	56	61	1.12	0.36	3.11	6.06
		2	(untitled)		1527	2100	60	1966	78	16	3.46	4.01	34.99	8.41
		3	(untitled)		836	2100	60	1947	43	110	1.03	2.42	20.26	6.37
		4	(untitled)		269	2100	60	2100	13	603	0.13	0.01	0.08	6.52
		5	(untitled)		412	2100	60	2078	20	354	0.24	2.34	20.14	5.26
	Df	1	(untitled)		886	1900	60	1900	47	93	0.83	0.20	0.58	24.83
		2	(untitled)		482	2250	60	2250	21	320	0.22	0.03	0.08	24.22
	Dxp	1	(untitled)	D	1215	2050	41	1435	85	6	7.50	3.86	47.62	11.00
		2	(untitled)	D	772	2050	41	1435	54	67	1.52	0.39	4.66	5.17
	Ec	1	(untitled)	F	729	2150	24	896	81	11	18.05	8.33	95.59	21.80
		2	(untitled)	F	672	2263	24	943	71	26	15.83	6.11	72.50	19.47
		3	(untitled)	F	525	2263	24	943	56	62	21.15	7.19	88.33	24.65
		4	(untitled)	F	391	2250	24	938	42	116	5.73	2.47	30.90	9.18
	Ecf	1	(untitled)		856	2100	60	1571	54	65	6.52	5.66	70.84	9.96
		2	(untitled)		1149	2100	60	1943	59	52	1.61	2.75	34.04	5.09
		3	(untitled)		672	2263	60	2263	30	203	0.34	0.06	0.77	3.86
		4	(untitled)		964	2300	60	2156	45	101	0.75	2.44	27.88	4.69
	Ef	1	(untitled)		859	1900	60	1900	45	99	0.78	0.19	0.84	16.09
		2	(untitled)		627	1900	60	444	141	-36	543.58	99.92	450.45	558.89
16:30-17:30	Exp	1	(untitled)	L	856	2050	40	1401	61	47	9.50	7.33	81.29	13.39
		2	(untitled)	L	420	2050	40	1401	30	200	10.23	5.68	60.78	14.26
		1	(untitled)	B	233	2100	15	560	42	116	20.45	3.13	21.11	26.83

	F	2	(untitled)	B	297	2100	15	560	53	70	22.41	4.09	27.45	28.84
		3	(untitled)	B	463	2100	15	560	83	9	35.24	8.11	53.42	41.78
	Fc	1	(untitled)	A	779	2263	35	1358	57	57	4.56	7.17	22.50	23.65
		2	(untitled)	A	616	2263	35	1316	47	92	6.22	8.62	27.32	25.15
		3	(untitled)	A	919	2263	35	918	100	-10	122.15	45.42	144.88	141.69
	Ff	1	(untitled)		530	1900	60	1900	28	223	0.37	0.05	0.11	33.45
		2	(untitled)		463	1900	60	1900	24	269	0.31	0.04	0.08	33.35
	G	1	(untitled)	F	241	2050	13	241	100	-10	465.03	34.35	126.49	481.09
		2	(untitled)	F	250	2050	13	461	54	66	32.68	4.11	15.48	44.12
	Gf	1	(untitled)		237	2050	60	237	100	-10	147.67	11.85	175.24	150.59
		2	(untitled)		207	2050	60	2050	10	792	0.10	0.01	0.08	2.98
	xA	1	(untitled)		924	2263	60	2014	46	96	0.86	2.51	6.29	18.09
		2	(untitled)		668	2263	60	2263	30	205	0.33	0.06	0.15	17.58
	xB	1	(untitled)		1822	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
	xC	1	(untitled)		650	1900	60	650	100	-10	131.28	30.01	149.28	139.95
		2	(untitled)		618	1900	60	650	95	-5	67.33	20.18	100.06	76.03
	xD	1	(untitled)		1215	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
		2	(untitled)		772	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
	xE	1	(untitled)		856	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		420	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	xF	1	(untitled)		843	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
	Cc1	1	(untitled)	E	776	2050	32	1125	69	30	13.44	13.58	81.50	19.95
	E1	1	(untitled)	G	312	2050	25	888	35	156	12.46	3.22	23.13	18.46
		2	(untitled)	G	547	2200	25	528	104	-13	126.63	22.79	163.84	132.63
	Gf1	1	(untitled)		47	675	60	365	13	598	5.97	0.36	4.15	9.67
	Cc2	2	(untitled)	D	1055	2150	33	1180	89	1	23.47	16.15	101.39	30.03
		3	(untitled)	D	623	2050	33	1162	54	68	9.34	4.03	26.00	16.20
		4	(untitled)	D	1191	2150	33	1212	98	-8	52.60	26.32	170.13	58.93
		5	(untitled)	D	268	2050	33	1162	23	290	0.46	0.03	0.22	8.44
	E2	3	(untitled)	H	237	2150	25	237	100	-10	203.79	14.19	153.14	207.79
		4	(untitled)	H	207	2050	25	888	23	287	2.94	0.32	3.34	7.02
	TC5	2	(untitled)	A	747	2263	39	1546	48	86	3.59	3.12	78.01	6.35
		3	(untitled)	A	668	2263	39	1546	43	108	1.74	1.61	40.30	4.51
		4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	1161	1925	40	1380	84	7	12.81	14.02	87.89	23.82
		2	(untitled)	B	687	1966	40	1409	49	85	4.92	4.71	29.43	15.97
		3	(untitled)	B	680	1947	40	1395	49	85	4.93	4.68	29.05	16.05
	TC35	1	(untitled)	A	177	1900	39	1298	14	561	2.42	1.46	34.75	5.32
	TC36	1	(untitled)		567	1800	60	1800	32	186	0.46	0.07	1.65	3.49
	TC37	1	(untitled)	J	110	1850	45	1418	8	1060	1.86	0.43	5.59	5.05
	TC38	1	(untitled)		110	438	60	438	25	258	2.92	2.46	66.28	4.46
	TC39	2	(untitled)		747	2263	60	2263	33	172	0.39	0.08	1.33	2.93
		3	(untitled)		668	2263	60	2263	30	205	0.33	0.06	1.07	2.73
	TC40	2	(untitled)		857	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		668	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	228	1850	7	247	92	-3	85.12	7.18	75.60	89.05
		2	(untitled)	D	229	1850	7	247	93	-3	86.98	7.33	76.55	90.94
	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)		1082	1965	60	1965	55	63	1.12	0.34	3.51	7.73
	49	1	(untitled)		1161	1900	60	1900	61	47	1.48	0.48	10.49	4.63
		2	(untitled)		1367	1900	60	1900	72	25	2.41	0.92	20.09	5.56
	50	1	(untitled)		1422	1900	60	1039	137	-34	495.47	209.84	2506.08	501.25
	51	1	(untitled)		993	1900	60	1900	52	72	1.04	0.29	4.38	5.53

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	56	29	33	1	7
	2	✓	2	B	40	51	11	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	23	52	29	1	5
	2	✓	2	B	59	18	19	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	54	13	19	1	2
	2	✓	9	G,H	24	42	18	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	16	45	29	1	9
	2	✓	3	B	56	11	15	1	7
771-2	1	✓	5	D	6	28	22	1	7
	2	✓	6	E	33	1	28	1	7
TC777-1	1	✓	1	A,B,F	23	2	39	1	7
	2	✓	5	D,H,I	10	17	7	1	7
TC777-2	1	✓	1	J	55	40	45	1	7
	2	✓	2	K	45	50	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	✓	52.96	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	52.75	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
	2	✓	55.07	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
TC42	1	✓	23.35	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1771	100	100
TC43	1	✓	52.01	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100

47	**1**	✓	133.63	CTM	0.00	Normal	✓			Directly entered	1300	100	100
48	**1**	✓	55.12	NetworkDefault	0.00	Normal	✓			Sum of lanes	1965	100	100
49	**1**	✓	26.24	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	26.24	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
50	**1**	✓	48.15	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
51	**1**	✓	37.47	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100

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	29	0.00	0.00
		2	0	0	29	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	23	0.00	0.00
		2	0	0	23	0.00	0.00
	5	**1**	0	0	23	0.00	0.00
		2	0	0	23	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	29	0.00	0.00
		2	0	0	29	0.00	0.00
	8	**1**	0	0	33	0.00	0.00
		2	0	0	33	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	10	0.00	0.00
		2	0	0	10	0.00	0.00
	14	**1**	0	0	40	0.00	0.00
		2	0	0	40	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	8	0.00	0.00
		2	0	0	8	0.00	0.00
	17	**1**	0	0	5	0.00	0.00
		2	0	0	5	0.00	0.00

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	96	-7	955	2050	28	42.69	18.92	146.01	160.80	33.01	193.81
		2	44	105	434	2050	28	8.53	3.05	22.78	14.61	5.93	20.54
		3	69	30	687	2050	28	12.41	10.20	74.58	33.64	13.08	46.72
		4	92	-2	909	2050	28	30.99	17.07	122.15	111.11	31.14	142.25
	Ac	1	100	-10	867	2263	22	95.62	30.47	182.87	327.19	53.16	380.35
		2	37	145	292	2263	22	33.58	5.36	33.37	38.68	5.43	44.11
		3	64	40	553	2263	22	6.18	2.89	18.92	13.50	3.99	17.49
	Acf	1	100	-10	1160	2263	60	63.86	27.80	229.69	292.14	48.82	340.96
		2	24	268	553	2263	60	0.26	0.04	0.32	0.56	0.00	0.56
	Af	1	70	29	1389	2050	60	2.35	5.39	57.89	12.89	1.60	14.49
		2	34	169	687	2050	60	0.44	0.08	0.92	1.20	0.00	1.20
		3	44	103	909	2050	60	0.70	1.63	17.73	2.53	0.16	2.69
	B	1	53	71	215	2050	11	36.25	3.87	23.51	30.72	7.44	38.16
		2	100	-10	283	2150	11	280.31	24.16	142.97	312.71	29.38	342.08
		3	66	37	273	2100	11	20.54	3.83	22.10	22.14	7.30	29.44
		4	65	38	268	2050	11	24.16	3.99	22.39	25.56	2.98	28.54
	Bc	1	63	44	813	2050	37	5.60	6.35	27.50	17.95	7.14	25.10
		2	82	10	1059	2050	37	13.41	13.44	58.77	56.02	16.51	72.52
		3	81	11	1003	2050	37	14.28	21.06	93.09	56.49	19.09	75.58
	Bcf	1	81	12	1822	2263	60	3.25	1.65	15.12	23.40	0.00	23.40
		2	36	151	813	2263	60	0.45	0.10	0.92	1.43	0.00	1.43
		3	47	92	1059	2263	60	0.70	0.21	1.90	2.92	0.00	2.92
		4	45	101	1003	2263	60	0.65	1.93	17.80	2.56	0.21	2.77
	Bf	1	97	-7	498	1800	60	246.84	46.25	116.73	484.48	28.23	512.72
		2	30	199	541	1800	60	0.43	0.06	0.16	0.92	0.00	0.92
	C	1	98	-8	481	2100	13	179.87	28.81	136.74	341.41	20.10	361.51
		2	84	7	430	2200	13	39.01	8.47	39.82	66.16	6.27	72.43
		3	30	199	144	2050	13	20.61	1.98	9.18	11.71	1.49	13.20
	Cf	1	106	-15	508	1965	60	239.70	41.39	164.58	480.30	24.57	504.87
		2	29	208	574	1965	60	0.38	0.06	0.24	0.86	0.00	0.86
	D	1	60	49	413	2050	19	20.69	5.58	58.31	33.71	10.62	44.33
		2	77	17	473	1850	19	27.27	7.09	74.09	50.88	13.54	64.42
		3	68	32	482	2250	19	22.94	6.68	72.62	43.62	12.82	56.44
	Dc	1	68	31	756	2100	31	11.30	6.59	74.76	33.69	13.02	46.72
		2	75	21	836	2100	31	13.30	7.08	83.51	43.86	13.80	57.66
		3	24	275	269	2100	31	9.72	2.36	28.97	10.31	3.38	13.68
		4	37	145	412	2100	31	19.90	5.76	73.88	32.33	11.24	43.58
	Dcf	1	56	61	1149	2050	60	1.12	0.36	3.11	5.07	0.00	5.07
		2	78	16	1527	2100	60	3.46	4.01	34.99	20.85	4.78	25.64
		3	43	110	836	2100	60	1.03	2.42	20.26	3.41	1.50	4.92
		4	13	603	269	2100	60	0.13	0.01	0.08	0.13	0.00	0.13
		5	20	354	412	2100	60	0.24	2.34	20.14	0.40	0.30	0.70
	Df	1	47	93	886	1900	60	0.83	0.20	0.58	2.89	0.00	2.89
		2	21	320	482	2250	60	0.22	0.03	0.08	0.41	0.00	0.41
	Dxp	1	85	6	1215	2050	41	7.50	3.86	47.62	35.96	7.12	43.09
		2	54	67	772	2050	41	1.52	0.39	4.66	4.64	0.74	5.38
	Ec	1	81	11	729	2150	24	18.05	8.33	95.59	51.93	16.19	68.12
		2	71	26	672	2263	24	15.83	6.11	72.50	41.95	12.14	54.08
		3	56	62	525	2263	24	21.15	7.19	88.33	43.83	13.83	57.65
		4	42	116	391	2250	24	5.73	2.47	30.90	8.85	2.33	11.18
	Ecf	1	54	65	856	2100	60	6.52	5.66	70.84	22.00	11.05	33.05
		2	59	52	1149	2100	60	1.61	2.75	34.04	7.29	3.09	10.38
		3	30	203	672	2263	60	0.34	0.06	0.77	0.89	0.00	0.89
		4	45	101	964	2300	60	0.75	2.44	27.88	2.85	1.08	3.93

16:30-17:30	Ef	1	45	99	859	1900	60	0.78	0.19	0.84	2.65	0.00	2.65
		2	141	-36	627	1900	60	543.58	99.92	450.45	1344.36	20.91	1365.27
	Exp	1	61	47	856	2050	40	9.50	7.33	81.29	32.07	14.03	46.10
		2	30	200	420	2050	40	10.23	5.68	60.78	16.93	10.81	27.74
	F	1	42	116	233	2100	15	20.45	3.13	21.11	18.79	6.01	24.80
		2	53	70	297	2100	15	22.41	4.09	27.45	26.25	7.87	34.12
		3	83	9	463	2100	15	35.24	8.11	53.42	64.36	15.40	79.75
	Fc	1	57	57	779	2263	35	4.56	7.17	22.50	14.01	6.22	20.23
		2	47	92	616	2263	35	6.22	8.62	27.32	15.13	7.41	22.54
		3	100	-10	919	2263	35	122.15	45.42	144.88	442.73	55.16	497.89
	Ff	1	28	223	530	1900	60	0.37	0.05	0.11	0.77	0.00	0.77
		2	24	269	463	1900	60	0.31	0.04	0.08	0.56	0.00	0.56
	G	1	100	-10	241	2050	13	465.03	34.35	126.49	442.56	18.49	461.05
		2	54	66	250	2050	13	32.68	4.11	15.48	32.20	7.92	40.12
	Gf	1	100	-10	237	2050	60	147.67	11.85	175.24	138.21	16.67	154.87
		2	10	792	207	2050	60	0.10	0.01	0.08	0.08	0.00	0.08
	xA	1	46	96	924	2263	60	0.86	2.51	6.29	3.15	1.14	4.29
		2	30	205	668	2263	60	0.33	0.06	0.15	0.88	0.00	0.88
	xB	1	0	Unrestricted	1822	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	100	-10	650	1900	60	131.28	30.01	149.28	336.58	25.39	361.97
		2	95	-5	618	1900	60	67.33	20.18	100.06	164.02	20.00	184.03
	xD	1	0	Unrestricted	1215	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	772	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	0	Unrestricted	856	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	420	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	0	Unrestricted	843	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	69	30	776	2050	32	13.44	13.58	81.50	41.17	21.00	62.17
	E1	1	35	156	312	2050	25	12.46	3.22	23.13	15.34	6.18	21.52
		2	104	-13	547	2200	25	126.63	22.79	163.84	273.21	35.21	308.43
	Gf1	1	13	598	47	675	60	5.97	0.36	4.15	1.11	0.50	1.61
	Cc2	2	89	1	1055	2150	33	23.47	16.15	101.39	97.70	44.78	142.49
		3	54	68	623	2050	33	9.34	4.03	26.00	22.95	7.88	30.84
		4	98	-8	1191	2150	33	52.60	26.32	170.13	247.14	54.57	301.71
		5	23	290	268	2050	33	0.46	0.03	0.22	0.49	0.00	0.49
	E2	3	100	-10	237	2150	25	203.79	14.19	153.14	190.73	17.19	207.92
		4	23	287	207	2050	25	2.94	0.32	3.34	2.40	0.61	3.01
	TC5	2	48	86	747	2263	39	3.59	3.12	78.01	10.57	2.35	12.92
		3	43	108	668	2263	39	1.74	1.61	40.30	4.59	0.68	5.28
		4	0	-100	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	84	7	1161	1925	40	12.81	14.02	87.89	58.68	9.69	68.37
		2	49	85	687	1966	40	4.92	4.71	29.43	13.32	3.29	16.61
		3	49	85	680	1947	40	4.93	4.68	29.05	13.21	3.23	16.45
	TC35	1	14	561	177	1900	39	2.42	1.46	34.75	1.69	0.69	2.38
	TC36	1	32	186	567	1800	60	0.46	0.07	1.65	1.03	0.00	1.03
	TC37	1	8	1060	110	1850	45	1.86	0.43	5.59	0.81	0.90	1.71
	TC38	1	25	258	110	438	60	2.92	2.46	66.28	1.27	1.43	2.70
	TC39	2	33	172	747	2263	60	0.39	0.08	1.33	1.16	0.00	1.16
		3	30	205	668	2263	60	0.33	0.06	1.07	0.88	0.00	0.88
	TC40	2	0	Unrestricted	857	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		3	0	Unrestricted	668	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	TC41	1	92	-3	228	1850	7	85.12	7.18	75.60	76.55	13.35	89.89
		2	93	-3	229	1850	7	86.98	7.33	76.55	78.57	13.55	92.12
	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	55	63	1082	1965	60	1.12	0.34	3.51	4.78	0.00	4.78
	49	1	61	47	1161	1900	60	1.48	0.48	10.49	6.80	0.00	6.80
		2	72	25	1367	1900	60	2.41	0.92	20.09	13.02	0.00	13.02

	50	1	137	-34	1422	1900	60	495.47	209.84	2506.08	2779.12	47.56	2826.68
	51	1	52	72	993	1900	60	1.04	0.29	4.38	4.06	0.00	4.06

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	955	955	0		2050	991	96	✓	-7	0.40	28
		2	434	434	-1	✓	2050	991	44		105	0.39	28
		3	687	687	0		2050	991	69		30	0.57	28
		4	909	909	0		2050	991	92	✓	-2	0.58	28
	Ac	1	867	867	18	✓	2263	867	100	✓	-10	0.91	22
		2	292	292	-1		2263	796	37		145	1.70	22
		3	553	553	2	✓	2263	860	64		40	1.16	22
	Acf	1	1160	1159	16	✓	2263	1159	100	✓	-10	0.66	60
		2	553	553	2	✓	2263	2263	24		268	1.16	60
	Af	1	1389	1389	-1	✓	2050	1992	70		29	0.41	60
		2	687	687	0		2050	2050	34		169	0.57	60
		3	909	909	0		2050	2046	44		103	0.58	60
	B	1	215	215	78	✓	2050	408	53		71	1.07	11
		2	283	283	104	✓	2150	283	100	✓	-10	1.07	11
		3	273	273	101	✓	2100	415	66		37	0.66	11
		4	268	268	97	✓	2050	410	65		38	0.66	11
	Bc	1	813	813	-2	✓	2050	1298	63		44	0.81	37
		2	1059	1059	2	✓	2050	1298	82		10	0.64	37
		3	1003	1003	-1		2050	1238	81		11	0.88	37
	Bcf	1	1822	1822	18	✓	2263	2263	81		12	0.29	60
		2	813	813	-2	✓	2263	2263	36		151	0.81	60
		3	1059	1059	2	✓	2263	2263	47		92	0.64	60
		4	1003	1003	-1		2263	2245	45		101	0.88	60
	Bf	1	498	498	182	✓	1800	515	97	✓	-7	0.66	60
		2	541	541	199	✓	1800	1800	30		199	0.66	60
	C	1	481	481	27	✓	2100	490	98	✓	-8	1.24	13
		2	430	430	0		2200	513	84		7	0.00	13
		3	144	144	0		2050	478	30		199	0.00	13
	Cf	1	508	481	0		1965	481	106	✓	-15	0.00	60
		2	574	574	0		1965	1965	29		208	0.00	60
	D	1	413	413	0		2050	683	60		49	0.00	19
		2	473	473	0		1850	617	77		17	0.00	19
		3	482	482	0		2250	705	68		32	0.00	19
	Dc	1	756	756	65	✓	2100	1104	68		31	0.57	31
		2	836	836	79	✓	2100	1120	75		21	0.69	31
		3	269	269	36	✓	2100	1120	24		275	1.01	31
		4	412	412	98	✓	2100	1120	37		145	1.33	31
	Dcf	1	1149	1149	91	✓	2050	2050	56		61	0.76	60
		2	1527	1527	93	✓	2100	1966	78		16	0.40	60
		3	836	836	79	✓	2100	1947	43		110	0.71	60
		4	269	269	36	✓	2100	2100	13		603	1.01	60
		5	412	412	97	✓	2100	2078	20		354	1.35	60
	Df	1	886	886	0		1900	1900	47		93	0.00	60
		2	482	482	0		2250	2250	21		320	0.00	60
	Dxp	1	1215	1215	25	✓	2050	1435	85		6	0.67	41
		2	772	772	27	✓	2050	1435	54		67	0.82	41
	Ec	1	729	729	4	✓	2150	896	81		11	0.78	24
		2	672	672	36	✓	2263	943	71		26	0.84	24
		3	525	525	98	✓	2263	943	56		62	0.99	24
		4	391	391	0	✓	2250	938	42		116	1.24	24
		1	856	856	65	✓	2100	1571	54		65	0.88	60

16:30-17:30	Ecf	2	1149	1149	79	✓	2100	1943	59		52	0.72	60
		3	672	672	36	✓	2263	2263	30		203	0.84	60
		4	964	964	98	✓	2300	2156	45		101	1.01	60
	Ef	1	859	859	-1	✓	1900	1900	45		99	0.00	60
		2	627	444	0		1900	444	141	✓	-36	0.00	60
	Exp	1	856	856	65	✓	2050	1401	61		47	0.80	40
		2	420	420	76	✓	2050	1401	30		200	1.14	40
	F	1	233	233	0		2100	560	42		116	0.00	15
		2	297	297	-1		2100	560	53		70	0.00	15
		3	463	463	-1		2100	560	83		9	0.00	15
	Fc	1	779	779	36	✓	2263	1358	57		57	0.99	35
		2	616	616	98	✓	2263	1316	47		92	0.96	35
		3	919	918	19	✓	2263	918	100	✓	-10	0.84	35
	Ff	1	530	530	-1		1900	1900	28		223	0.00	60
		2	463	463	-1		1900	1900	24		269	0.00	60
	G	1	241	241	98	✓	2050	241	100	✓	-10	1.06	13
		2	250	250	85	✓	2050	461	54		66	1.10	13
	Gf	1	237	237	98	✓	2050	237	100	✓	-10	1.48	60
		2	207	207	85	✓	2050	2050	10		792	1.35	60
	xA	1	924	924	33	✓	2263	2014	46		96	0.86	60
		2	668	668	101	✓	2263	2263	30		205	1.12	60
	xB	1	1822	1822	18	✓	Unrestricted	Unrestricted	0		Unrestricted	0.23	60
	xC	1	650	650	103	✓	1900	650	100	✓	-10	0.70	60
		2	618	650	91	✓	1900	650	95	✓	-5	0.93	60
	xD	1	1215	1215	25	✓	Unrestricted	Unrestricted	0		Unrestricted	0.62	60
		2	772	772	27	✓	Unrestricted	Unrestricted	0		Unrestricted	0.73	60
	xE	1	856	856	65	✓	Unrestricted	Unrestricted	0		Unrestricted	0.86	60
		2	420	420	76	✓	Unrestricted	Unrestricted	0		Unrestricted	1.11	60
	xF	1	843	843	4	✓	Unrestricted	Unrestricted	0		Unrestricted	0.79	60
	Cc1	1	776	776	12	✓	2050	1125	69		30	0.93	32
	E1	1	312	312	0		2050	888	35		156	0.00	25
		2	547	527	-1	✓	2200	528	104	✓	-13	0.00	25
	Gf1	1	47	47	0		675	365	13		598	1.30	60
	Cc2	2	1055	1055	86	✓	2150	1180	89		1	0.60	33
		3	623	623	101	✓	2050	1162	54		68	0.74	33
		4	1191	1191	85	✓	2150	1212	98	✓	-8	0.57	33
		5	268	268	97	✓	2050	1162	23		290	1.60	33
	E2	3	237	237	98	✓	2150	237	100	✓	-10	1.22	25
		4	207	207	85	✓	2050	888	23		287	1.22	25
	TC5	2	747	747	17	✓	2263	1546	48		86	0.86	39
		3	668	668	101	✓	2263	1546	43		108	1.12	39
		4	0	0	0		0	0	0		-100	0.00	0
	TC9	1	1161	1161	-1	✓	1925	1380	84		7	0.00	40
		2	687	687	0		1966	1409	49		85	0.00	40
		3	680	680	0		1947	1395	49		85	0.00	40
	TC35	1	177	177	16	✓	1900	1298	14		561	1.10	39
	TC36	1	567	567	0		1800	1800	32		186	0.00	60
	TC37	1	110	110	0		1850	1418	8		1060	0.00	45
	TC38	1	110	110	0		438	438	25		258	0.47	60
	TC39	2	747	747	17	✓	2263	2263	33		172	1.04	60
		3	668	668	101	✓	2263	2263	30		205	1.20	60
	TC40	2	857	858	17	✓	Unrestricted	Unrestricted	0		Unrestricted	0.74	60
		3	668	668	101	✓	Unrestricted	Unrestricted	0		Unrestricted	1.11	60
	TC41	1	228	228	1		1850	247	92	✓	-3	0.00	7
		2	229	229	-1		1850	247	93	✓	-3	0.00	7
	TC42	1	0	0	0		0	0	0		-100	0.00	0
	TC43	1	0	0	0		1800	1800	0		Unrestricted	0.00	60
	47	1	1300	1300	162	✓	1300	1300	100	✓	-10	0.00	60

	48	1	1082	1082	0		1965	1965	55		63	0.00	60
	49	1	1161	1161	-1	✓	1900	1900	61		47	0.00	60
		2	1367	1367	0		1900	1900	72		25	0.00	60
	50	1	1422	1039	-2	✓	1900	1039	137	✓	-34	0.00	60
	51	1	993	993	-2		1900	1900	52		72	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	42.69	11.32	160.80	107.70	1028.52	33.01
		2	5.77	8.53	1.03	14.61	42.60	184.88	5.93
		3	5.90	12.41	2.37	33.64	59.31	407.44	13.08
		4	6.03	30.99	7.82	111.11	106.73	970.18	31.14
	Ac	1	7.19	95.62	23.04	327.19	190.90	1656.02	53.16
		2	9.50	33.58	2.72	38.68	108.93	318.08	5.43
		3	6.60	6.18	0.95	13.50	22.48	124.40	3.99
	Acf	1	5.22	63.86	20.57	292.14	131.17	1520.95	48.82
		2	7.24	0.26	0.04	0.56	0.00	0.00	0.00
	Af	1	6.42	2.35	0.91	12.89	9.18	127.54	1.60
		2	6.36	0.44	0.08	1.20	0.00	0.00	0.00
		3	6.33	0.70	0.18	2.53	1.40	12.68	0.16
	B	1	7.10	36.25	2.16	30.72	107.91	231.85	7.44
		2	7.29	280.31	22.02	312.71	323.58	915.19	29.38
		3	7.48	20.54	1.56	22.14	83.24	227.45	7.30
		4	12.29	24.16	1.80	25.56	88.60	237.54	2.98
	Bc	1	11.96	5.60	1.26	17.95	39.42	320.52	7.14
		2	11.83	13.41	3.94	56.02	69.90	740.49	16.51
		3	11.71	14.28	3.98	56.49	85.40	856.53	19.09
	Bcf	1	4.35	3.25	1.65	23.40	0.00	0.00	0.00
		2	5.43	0.45	0.10	1.43	0.00	0.00	0.00
		3	5.67	0.70	0.21	2.92	0.00	0.00	0.00
		4	6.34	0.65	0.18	2.56	1.11	11.11	0.21
	Bf	1	27.34	246.84	34.12	484.48	452.45	2251.71	28.23
		2	27.41	0.43	0.06	0.92	0.00	0.01	0.00
	C	1	14.54	179.87	24.04	341.41	333.05	1602.68	20.10
		2	14.68	39.01	4.66	66.16	116.31	500.14	6.27
		3	14.92	20.61	0.82	11.71	82.68	119.06	1.49
	Cf	1	17.35	239.70	33.82	480.30	407.14	1959.25	24.57
		2	17.50	0.38	0.06	0.86	0.00	0.00	0.00
	D	1	4.13	20.69	2.37	33.71	80.09	330.76	10.62
		2	4.13	27.27	3.58	50.88	89.21	421.95	13.54
		3	3.97	22.94	3.07	43.62	82.88	399.48	12.82
	Dc	1	3.80	11.30	2.37	33.69	53.68	405.67	13.02
		2	3.65	13.30	3.09	43.86	51.43	430.03	13.80
		3	3.51	9.72	0.73	10.31	39.15	105.18	3.38
		4	3.36	19.90	2.28	32.33	85.05	350.30	11.24
	Dcf	1	4.95	1.12	0.36	5.07	0.00	0.00	0.00
		2	4.94	3.46	1.47	20.85	9.76	148.97	4.78
		3	5.34	1.03	0.24	3.41	5.82	48.65	1.50
		4	6.40	0.13	0.01	0.13	0.01	0.02	0.00
		5	5.02	0.24	0.03	0.40	2.29	9.45	0.30
	Df	1	24.00	0.83	0.20	2.89	0.00	0.00	0.00
		2	24.00	0.22	0.03	0.41	0.00	0.00	0.00
	Dxp	1	3.50	7.50	2.53	35.96	18.26	221.89	7.12
		2	3.65	1.52	0.33	4.64	2.98	23.01	0.74
	Ec	1	3.76	18.05	3.66	51.93	69.15	504.42	16.19
		2	3.63	15.83	2.95	41.95	56.30	378.09	12.14
		3	3.51	21.15	3.09	43.83	82.03	430.75	13.83

16:30-17:30		4	3.44	5.73	0.62	8.85	18.56	72.65	2.33
	Ecf	1	3.45	6.52	1.55	22.00	40.24	344.37	11.05
		2	3.48	1.61	0.51	7.29	8.38	96.28	3.09
		3	3.52	0.34	0.06	0.89	0.00	0.00	0.00
		4	3.94	0.75	0.20	2.85	3.65	35.22	1.08
	Ef	1	15.31	0.78	0.19	2.65	0.00	0.00	0.00
		2	15.31	543.58	94.67	1344.36	375.44	1667.32	20.91
	Exp	1	3.89	9.50	2.26	32.07	51.08	437.12	14.03
		2	4.03	10.23	1.19	16.93	80.22	336.68	10.81
	F	1	6.38	20.45	1.32	18.79	80.41	187.35	6.01
		2	6.43	22.41	1.85	26.25	82.59	245.29	7.87
		3	6.54	35.24	4.53	64.36	103.61	479.72	15.40
	Fc	1	19.09	4.56	0.99	14.01	47.90	372.96	6.22
		2	18.92	6.22	1.07	15.13	72.27	445.26	7.41
		3	19.54	122.15	31.18	442.73	388.84	3568.30	55.16
	Ff	1	33.09	0.37	0.05	0.77	0.00	0.00	0.00
		2	33.05	0.31	0.04	0.56	0.00	0.00	0.00
	G	1	16.06	465.03	31.17	442.56	449.13	1083.62	18.49
		2	11.45	32.68	2.27	32.20	98.74	246.68	7.92
	Gf	1	2.92	147.67	9.73	138.21	218.82	519.21	16.67
		2	2.88	0.10	0.01	0.08	0.00	0.00	0.00
	xA	1	17.22	0.86	0.22	3.15	3.84	35.52	1.14
		2	17.25	0.33	0.06	0.88	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	131.28	23.70	336.58	121.68	790.92	25.39
		2	8.70	67.33	11.55	164.02	96.28	623.22	20.00
	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	6.50	13.44	2.90	41.17	68.12	528.96	21.00
	E1	1	6.00	12.46	1.08	15.34	61.75	192.65	6.18
		2	6.00	126.63	19.24	273.21	207.99	1097.03	35.21
	Gf1	1	3.69	5.97	0.08	1.11	33.19	15.60	0.50
	Cc2	2	6.57	23.47	6.88	97.70	115.69	1221.03	44.78
		3	6.86	9.34	1.62	22.95	38.82	241.95	7.88
		4	6.33	52.60	17.40	247.14	123.59	1472.15	54.57
		5	7.98	0.46	0.03	0.49	0.00	0.00	0.00
	E2	3	4.00	203.79	13.43	190.73	225.70	535.54	17.19
		4	4.07	2.94	0.17	2.40	9.15	18.93	0.61
	TC5	2	2.76	3.59	0.74	10.57	25.07	187.39	2.35
		3	2.76	1.74	0.32	4.59	8.12	54.26	0.68
		4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	11.00	12.81	4.13	58.68	66.58	772.94	9.69
		2	11.05	4.92	0.94	13.32	38.17	262.26	3.29
		3	11.12	4.93	0.93	13.21	37.92	257.84	3.23
	TC35	1	2.90	2.42	0.12	1.69	31.02	54.83	0.69
	TC36	1	3.03	0.46	0.07	1.03	0.00	0.00	0.00
	TC37	1	3.19	1.86	0.06	0.81	23.51	25.86	0.90
	TC38	1	1.53	2.92	0.09	1.27	37.25	40.97	1.43
	TC39	2	2.54	0.39	0.08	1.16	0.00	0.00	0.00
		3	2.40	0.33	0.06	0.88	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	85.12	5.39	76.55	168.08	383.21	13.35
		2	3.97	86.98	5.53	78.57	169.94	389.16	13.55
	TC42	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	TC43	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	47	1	16.04	48.58	17.54	249.09	0.00	0.00	0.00
	48	1	6.61	1.12	0.34	4.78	0.00	0.00	0.00
	49	1	3.15	1.48	0.48	6.80	0.00	0.00	0.00
		2	3.15	2.41	0.92	13.02	0.00	0.00	0.00
	50	1	5.78	495.47	195.71	2779.12	365.05	3793.08	47.56
	51	1	4.50	1.04	0.29	4.06	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	18.92	12.96	146.01	0.00	0.00	
		2	0.00	3.05	13.37	22.78	0.00	0.00	
		3	0.00	10.20	13.67	74.58	0.00	0.00	
		4	0.00	17.07	13.97	122.15	0.00	0.00	
	Ac	1	0.00	30.47	16.66	182.87	0.00	0.00	
		2	0.00	5.36	16.06	33.37	0.00	14.89	
		3	0.00	2.89	15.30	18.92	0.00	4.19	
	Acf	1	0.00	27.80	12.10	229.69	0.00	29.26	
		2	0.00	0.04	12.25	0.32	0.00	27.00	
	Af	1	0.00	5.39	9.31	57.89	0.00	10.71	
		2	0.00	0.08	9.21	0.92	0.00	17.00	
		3	0.00	1.63	9.17	17.73	0.00	9.11	
	B	1	0.00	3.87	16.46	23.51	0.00	5.06	
		2	0.00	24.16	16.90	142.97	0.00	4.11	
		3	0.00	3.83	17.34	22.10	0.00	0.14	
		4	0.00	3.99	17.81	22.39	0.00	0.00	
	Bc	1	0.00	6.35	23.10	27.50	0.00	4.00	
		2	0.00	13.44	22.87	58.77	0.00	3.00	
		3	0.00	21.06	22.63	93.09	0.00	1.76	
	Bcf	1	0.00	1.65	10.90	15.12	0.00	8.00	
		2	0.00	0.10	10.98	0.92	0.00	12.00	
		3	0.00	0.21	10.84	1.90	0.00	12.00	
		4	0.00	1.93	10.83	17.80	0.00	15.48	
	Bf	1	0.00	46.25	39.62	116.73	0.00	42.83	
		2	0.00	0.06	39.73	0.16	0.00	3.00	
	C	1	0.00	28.81	21.07	136.74	0.00	0.00	
		2	0.00	8.47	21.28	39.82	0.00	0.00	
		3	0.00	1.98	21.63	9.18	0.00	0.00	
	Cf	1	0.00	41.39	25.15	164.58	0.00	45.31	
		2	0.00	0.06	25.37	0.24	0.00	0.00	
	D	1	0.00	5.58	9.57	58.31	0.00	0.00	
		2	0.00	7.09	9.57	74.09	0.00	0.00	
		3	0.00	6.68	9.20	72.62	0.00	1.19	
	Dc	1	0.00	6.59	8.81	74.76	0.00	3.46	
		2	0.00	7.08	8.47	83.51	0.00	6.00	
		3	0.00	2.36	8.14	28.97	0.00	9.00	
		4	0.00	5.76	7.80	73.88	0.00	14.00	
	Dcf	1	0.00	0.36	11.47	3.11	0.00	13.00	
		2	0.00	4.01	11.46	34.99	0.00	13.84	
		3	0.00	2.42	11.93	20.26	0.00	16.38	
		4	0.00	0.01	11.60	0.08	0.00	22.00	
		5	0.00	2.34	11.64	20.14	0.00	34.64	
	Df	1	0.00	0.20	34.78	0.58	0.00	0.00	
		2	0.00	0.03	34.78	0.08	0.00	0.00	
	Dxp	1	0.00	3.86	8.11	47.62	0.00	1.00	
		2	0.00	0.39	8.46	4.66	0.00	3.00	
		1	0.00	8.33	8.71	95.59	0.00	0.00	

16:30-17:30	Ec	2	0.00	6.11	8.42	72.50	0.00	3.00	
		3	0.00	7.19	8.13	88.33	0.00	1.00	
		4	0.00	2.47	7.99	30.90	0.00	10.00	
	Ecf	1	0.00	5.66	7.99	70.84	0.00	19.11	
		2	0.00	2.75	8.06	34.04	0.00	14.48	
		3	0.00	0.06	8.16	0.77	0.00	17.00	
		4	0.00	2.44	8.76	27.88	0.00	25.75	
	Ef	1	0.00	0.19	22.18	0.84	0.00	0.00	
		2	0.00	99.92	22.18	450.45	0.00	45.98	
	Exp	1	0.00	7.33	9.01	81.29	0.00	0.00	
		2	0.00	5.68	9.34	60.78	0.00	19.00	
	F	1	0.00	3.13	14.80	21.11	0.00	0.00	
		2	0.00	4.09	14.91	27.45	0.00	0.00	
		3	0.00	8.11	15.17	53.42	0.00	0.00	
	Fc	1	0.00	7.17	31.86	22.50	0.00	6.00	
		2	0.00	8.62	31.56	27.32	0.00	7.10	
		3	0.00	45.42	31.35	144.88	0.00	11.67	
	Ff	1	0.00	0.05	47.95	0.11	0.00	0.00	
		2	0.00	0.04	47.89	0.08	0.00	0.00	
	G	1	0.00	34.35	27.16	126.49	0.00	6.94	
		2	0.00	4.11	26.54	15.48	0.00	4.51	
	Gf	1	0.00	11.85	6.76	175.24	0.00	53.06	
		2	0.00	0.01	6.69	0.08	0.00	40.00	
	xA	1	0.00	2.51	39.94	6.29	0.00	20.60	
		2	0.00	0.06	39.99	0.15	0.00	23.00	
	xB	1	0.00	0.00	13.42	0.00	0.00	0.00	
	xC	1	0.00	30.01	20.10	149.28	0.00	39.47	
		2	0.00	20.18	20.17	100.06	0.00	39.47	
	xD	1	0.00	0.00	21.17	0.00	0.00	11.00	
		2	0.00	0.00	21.35	0.00	0.00	14.00	
	xE	1	0.00	0.00	30.24	0.00	0.00	16.00	
		2	0.00	0.00	30.23	0.00	0.00	30.00	
	xF	1	0.00	0.00	28.27	0.00	0.00	1.00	
	Cc1	1	0.00	13.58	16.67	81.50	0.00	6.08	
	E1	1	0.00	3.22	13.91	23.13	0.00	0.00	
		2	0.00	22.79	13.91	163.84	0.00	11.60	
	Gf1	1	0.00	0.36	8.57	4.15	0.00	48.33	
	Cc2	2	0.00	16.15	15.93	101.39	0.00	2.07	
		3	0.00	4.03	15.52	26.00	0.00	5.00	
		4	0.00	26.32	15.47	170.13	0.00	0.17	
		5	0.00	0.03	15.42	0.22	0.00	22.00	
	E2	3	0.00	14.19	9.27	153.14	0.00	19.38	
		4	0.00	0.32	9.45	3.34	0.00	6.00	
	TC5	2	0.00	3.12	4.01	78.01	0.00	10.00	
		3	0.00	1.61	4.00	40.30	0.00	15.00	
		4	0.00	0.00	4.25	0.00	0.00	0.00	
	TC9	1	0.00	14.02	15.95	87.89	0.00	0.00	
		2	0.00	4.71	16.02	29.43	0.00	0.00	
		3	0.00	4.68	16.12	29.05	0.00	0.00	
	TC35	1	0.00	1.46	4.20	34.75	0.00	12.00	
	TC36	1	0.00	0.07	4.39	1.65	0.00	0.00	
	TC37	1	0.00	0.43	7.71	5.59	0.00	0.00	
	TC38	1	0.00	2.46	3.71	66.28	0.00	2.00	
	TC39	2	0.00	0.08	6.13	1.33	0.00	29.00	
		3	0.00	0.06	5.79	1.07	0.00	34.00	
	TC40	2	0.00	0.00	10.22	0.00	0.00	0.00	
		3	0.00	0.00	9.71	0.00	0.00	25.00	

	TC41	1	0.00	7.18	9.50	75.60	0.00	0.00	
		2	0.00	7.33	9.58	76.55	0.00	0.00	
	TC42	1	0.00	0.00	4.06	0.00	0.00	0.00	
	TC43	1	0.00	0.00	9.04	0.00	0.00	60.00	
	47	1	0.00	17.54	23.24	75.48	0.00	0.00	
	48	1	0.00	0.34	9.59	3.51	0.00	0.00	
	49	1	0.00	0.48	4.56	10.49	0.00	0.00	
		2	0.00	0.92	4.56	20.09	0.00	0.00	
	50	1	0.00	209.84	8.37	2506.08	0.00	27.19	
	51	1	0.00	0.29	6.52	4.38	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	✓	20.36	9.86	16.56	1.00	0.00	193.81
		2	0.00	0.00	✓	3.05	0.17	2.87	1.00	0.00	20.54
		3	0.00	0.00	✓	10.20	0.78	4.08	1.00	0.00	46.72
		4	0.00	0.00	✓	17.33	4.76	12.53	1.00	0.00	142.25
	Ac	1	0.00	0.00		36.57	20.69	36.51	1.00	0.00	380.35
		2	0.00	0.00		5.36	0.11	4.97	1.00	0.00	44.11
		3	0.00	0.00		2.90	0.58	2.08	1.00	0.00	17.49
	Acf	1	0.00	0.00		34.90			1.00	0.00	340.96
		2	0.00	0.00		0.04			1.00	0.00	0.56
	Af	1	0.00	0.00	✓	5.39			1.00	0.00	14.49
		2	0.00	0.00	✓	0.08			1.00	0.00	1.20
		3	0.00	0.00	✓	1.63			1.00	0.00	2.69
	B	1	0.00	0.00		3.87	0.29	3.87	1.00	0.00	38.16
		2	0.00	0.00		27.64	21.41	27.64	1.00	0.00	342.08
		3	0.00	0.00		3.84	0.63	3.68	1.00	0.00	29.44
		4	0.00	0.00		3.99	0.61	3.70	1.00	0.00	28.54
	Bc	1	0.00	0.00	✓	6.35	0.52	4.94	1.00	0.00	25.10
		2	0.00	0.00		13.46	1.79	9.21	1.00	0.00	72.52
		3	0.00	0.00		21.08	1.71	7.19	1.00	0.00	75.58
	Bcf	1	0.00	0.00		1.66			1.00	0.00	23.40
		2	0.00	0.00	✓	0.10			1.00	0.00	1.43
		3	0.00	0.00		0.21			1.00	0.00	2.92
		4	0.00	0.00	✓	1.93			1.00	0.00	2.77
	Bf	1	0.00	0.00		47.94			1.00	0.00	512.72
		2	0.00	0.00		0.06			1.00	0.00	0.92
	C	1	0.00	0.00	✓	31.54	18.70	31.54	1.00	0.00	361.51
		2	0.00	0.00	✓	8.54	2.09	8.05	1.00	0.00	72.43
		3	0.00	0.00	✓	1.98	0.06	1.94	1.00	0.00	13.20
	Cf	1	0.00	0.00		55.79			1.00	0.00	504.87
		2	0.00	0.00	✓	0.06			1.00	0.00	0.86
	D	1	0.00	0.00	✓	5.58	0.46	5.25	1.00	0.00	44.33
		2	0.00	0.00	✓	7.10	1.25	6.76	1.00	0.00	64.42
		3	0.00	0.00	✓	6.68	0.73	6.35	1.00	0.00	56.44
	Dc	1	0.00	0.00		6.59	0.74	5.29	1.00	0.00	46.72
		2	0.00	0.00		7.08	1.09	6.44	1.00	0.00	57.66
		3	0.00	0.00		2.36	0.04	1.75	1.00	0.00	13.68
		4	0.00	0.00		5.76	0.11	4.57	1.00	0.00	43.58
	Dcf	1	0.00	0.00		0.36			1.00	0.00	5.07
		2	0.00	0.00		4.02			1.00	0.00	25.64
		3	0.00	0.00		2.42			1.00	0.00	4.92
		4	0.00	0.00		0.01			1.00	0.00	0.13
		5	0.00	0.00		2.34			1.00	0.00	0.70

16:30-17:30	Df	1	0.00	0.00	✓	0.20			1.00	0.00	2.89
		2	0.00	0.00	✓	0.03			1.00	0.00	0.41
	Dxp	1	0.00	0.00	✓	3.89	2.31	3.87	1.00	0.00	43.09
		2	0.00	0.00	✓	0.39	0.31	0.39	1.00	0.00	5.38
	Ec	1	0.00	0.00		8.35	1.76	7.68	1.00	0.00	68.12
		2	0.00	0.00		6.11	0.88	6.02	1.00	0.00	54.08
		3	0.00	0.00		7.19	0.35	7.18	1.00	0.00	57.65
		4	0.00	0.00		2.47	0.15	1.21	1.00	0.00	11.18
	Ecf	1	0.00	0.00		5.66			1.00	0.00	33.05
		2	0.00	0.00		2.75			1.00	0.00	10.38
		3	0.00	0.00		0.06			1.00	0.00	0.89
		4	0.00	0.00		2.44			1.00	0.00	3.93
	Ef	1	0.00	0.00	✓	0.19			1.00	0.00	2.65
		2	0.00	0.00	✓	191.38			1.00	0.00	1365.27
	Exp	1	0.00	0.00		7.33	0.48	7.19	1.00	0.00	46.10
		2	0.00	0.00		5.68	0.06	5.31	1.00	0.00	27.74
	F	1	0.00	0.00	✓	3.13	0.15	3.06	1.00	0.00	24.80
		2	0.00	0.00	✓	4.09	0.30	4.01	1.00	0.00	34.12
		3	0.00	0.00	✓	8.16	1.92	7.83	1.00	0.00	79.75
	Fc	1	0.00	0.00		7.17	0.38	4.85	1.00	0.00	20.23
		2	0.00	0.00		8.62	0.21	5.51	1.00	0.00	22.54
		3	0.00	0.00		52.01	32.33	42.42	1.00	0.00	497.89
	Ff	1	0.00	0.00	✓	0.05			1.00	0.00	0.77
		2	0.00	0.00	✓	0.04			1.00	0.00	0.56
	G	1	0.00	0.00		37.56	31.59	37.55	1.00	0.00	461.05
		2	0.00	0.00		4.11	0.32	4.06	1.00	0.00	40.12
	Gf	1	0.00	0.00		15.03			1.00	0.00	154.87
		2	0.00	0.00		0.01			1.00	0.00	0.08
	xA	1	0.00	0.00		2.51			1.00	0.00	4.29
		2	0.00	0.00		0.06			1.00	0.00	0.88
	xB	1	0.00	0.00		0.00			1.00	0.00	0.00
	xC	1	0.00	0.00		35.29			1.00	0.00	361.97
		2	0.00	0.00		21.14			1.00	0.00	184.03
	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		13.59	0.77	7.98	1.00	0.00	62.17
	E1	1	0.00	0.00	✓	3.22	0.09	3.13	1.00	0.00	21.52
		2	0.00	0.00		34.05	28.51	33.65	1.00	0.00	308.43
	Gf1	1	0.00	0.00	✓	0.36			1.00	0.00	1.61
	Cc2	2	0.00	0.00		16.27	3.66	11.92	1.00	0.00	142.49
		3	0.00	0.00		4.04	0.31	4.04	1.00	0.00	30.84
		4	0.00	0.00		29.58	15.55	26.35	1.00	0.00	301.71
		5	0.00	0.00		0.03	0.03	0.03	1.00	0.00	0.49
	E2	3	0.00	0.00		17.37	17.14	17.37	1.00	0.00	207.92
		4	0.00	0.00		0.32	0.04	0.32	1.00	0.00	3.01
	TC5	2	0.00	0.00		3.12	0.23	3.12	1.00	0.00	12.92
		3	0.00	0.00		1.61	0.16	0.91	1.00	0.00	5.28
		4	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC9	1	0.00	0.00	✓	14.05	2.20	9.02	1.00	0.00	68.37
		2	0.00	0.00	✓	4.71	0.23	3.85	1.00	0.00	16.61
		3	0.00	0.00	✓	4.68	0.23	3.82	1.00	0.00	16.45
	TC35	1	0.00	0.00		1.46	0.01	0.91	1.00	0.00	2.38
	TC36	1	0.00	0.00	✓	0.07			1.00	0.00	1.03
	TC37	1	0.00	0.00	✓	0.43	0.00	0.43	1.00	0.00	1.71
	TC38	1	0.00	0.00		2.46			1.00	0.00	2.70

	TC39	2	0.00	0.00		0.08			1.00	0.00	1.16
		3	0.00	0.00		0.06			1.00	0.00	0.88
	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	✓	7.82	4.39	7.75	1.00	0.00	89.89
		2	0.00	0.00	✓	8.02	4.59	7.96	1.00	0.00	92.12
	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	✓	0.34			1.00	0.00	4.78
	49	1	0.00	0.00	✓	0.48			1.00	0.00	6.80
		2	0.00	0.00	✓	0.92			1.00	0.00	13.02
	50	1	0.00	0.00		401.32			1.00	0.00	2826.68
	51	1	0.00	0.00	✓	0.29			1.00	0.00	4.06

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	29	0.00	0.00	0.00	0.00
		2	0	0	11000	29	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	23	0.00	0.00	0.00	0.00
		2	0	0	11000	23	0.00	0.00	0.00	0.00
	5	1	0	0	11000	23	0.00	0.00	0.00	0.00
		2	0	0	11000	23	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	29	0.00	0.00	0.00	0.00
		2	0	0	11000	29	0.00	0.00	0.00	0.00
	8	1	0	0	11000	33	0.00	0.00	0.00	0.00
		2	0	0	11000	33	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	10	0.00	0.00	0.00	0.00
		2	0	0	11000	10	0.00	0.00	0.00	0.00
	14	1	0	0	11000	40	0.00	0.00	0.00	0.00
		2	0	0	11000	40	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	8	0.00	0.00	0.00	0.00
		2	0	0	11000	8	0.00	0.00	0.00	0.00
	17	1	0	0	11000	5	0.00	0.00	0.00	0.00
		2	0	0	11000	5	0.00	0.00	0.00	0.00

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	5867	0		Unrestricted	0.00	29
		2	0	0	0		11000	5867	0		Unrestricted	0.00	29
	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	4767	0		Unrestricted	0.00	23
		2	0	0	0		11000	4767	0		Unrestricted	0.00	23
	5	1	0	0	0		11000	4767	0		Unrestricted	0.00	23
		2	0	0	0		11000	4767	0		Unrestricted	0.00	23
	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	5867	0		Unrestricted	0.00	29
		2	0	0	0		11000	5867	0		Unrestricted	0.00	29
	8	1	0	0	0		11000	6600	0		Unrestricted	0.00	33
		2	0	0	0		11000	6600	0		Unrestricted	0.00	33
	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	2383	0		Unrestricted	0.00	10
		2	0	0	0		11000	2383	0		Unrestricted	0.00	10
	14	1	0	0	0		11000	7883	0		Unrestricted	0.00	40
		2	0	0	0		11000	7883	0		Unrestricted	0.00	40
	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	2017	0		Unrestricted	0.00	8
		2	0	0	0		11000	2017	0		Unrestricted	0.00	8
	17	1	0	0	0		11000	1467	0		Unrestricted	0.00	5
		2	0	0	0		11000	1467	0		Unrestricted	0.00	5

Pedestrian Crossings: Stops and delays

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

Pedestrian Crossings: Queues and blocking

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

Pedestrian Crossings: Advanced

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

Network Results

Run Summary

Analysis set used	Run start time	Run finish time	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Ite wit wor over PR
2	19/07/2021 20:30:04	19/07/2021 20:30:17	16:30	60	11793.73	757.47	141.19	Ef/2	21	14	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	141	-100	76012	4787	35.87	10756.01	1037.71	11793.73

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	600	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	76012	75430	4261	✓	141	✓	-100	5387

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	8.26	35.87	757.47	10756.01	60.35	43666.13	1037.71

Network Results: Queues and blocking

Time Segment	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))
16:30-17:30	2506.08	0.00	1220.32

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	11793.73

Point to Point Journey Time

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	908.0	1011.6	979.5	654.5	906.7	688.4	698.9	0.0
	B28	422.0	0.0	494.0	142.9	435.1	166.3	168.0	0.0
	C28	374.8	283.2	0.0	82.7	73.4	116.1	122.8	0.0
	D28	262.7	386.6	189.8	0.0	252.4	92.4	101.7	0.0
	E28	467.3	1210.4	422.0	46.7	0.0	91.1	97.6	0.0
	F28	168.2	362.3	232.1	257.6	265.6	0.0	17.2	0.0
	G28	98.2	263.0	156.1	180.3	203.7	202.6	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Calculated Total Flow (PCU/hr)	Avg journey time (s)
23	C28	A28	371	377.65	371	377.65

24	C28	C28	0	0.00	0	0.00
25	C28	C28	0	0.00	0	0.00
32	C28	E28	100	73.42	100	73.42
36	C28	E28	0	0.00	0	0.00
41	E28	A28	453	479.09	453	479.09
42	E28	C28	47	408.50	47	408.50
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	313	82.73	313	82.73
50	E28	D28	114	46.74	114	46.74
68	E28	G28	97	99.08	97	99.08
91	C28	F28	21	116.13	21	116.13
92	E28	F28	10	91.08	10	91.08
96	A28	C28	71	1115.60	71	1115.60
97	G28	D28	0	0.00	0	0.00
98	G28	E28	0	0.00	0	0.00
99	C28	B28	43	239.83	43	239.83
100	E28	B28	292	758.23	292	758.23
101	E28	E28	0	0.00	0	0.00
102	A28	C28	240	872.04	240	872.04
103	F28	B28	0	0.00	0	0.00
104	C28	G28	341	124.02	341	124.02
105	D28	H28	0	0.00	0	0.00
106	G28	C28	460	138.29	460	138.29
107	A28	B28	27	979.78	27	979.78
108	B28	G28	125	161.54	125	161.54
109	C28	G28	64	115.07	64	115.07
110	E28	G28	67	95.57	67	95.57
111	B28	G28	19	173.22	19	173.22
112	F28	G28	110	17.22	110	17.22
113	F28	A28	162	168.20	162	168.20
114	C28	H28	0	0.00	0	0.00
115	B28	C28	4	490.19	4	490.19
117	H28	H28	0	0.00	0	0.00
121	A28	A28	2	965.45	2	965.45
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	27	192.90	27	192.90
130	G28	C28	144	161.02	144	161.02
131	G28	E28	72	197.26	72	197.26
132	H28	C28	0	0.00	0	0.00
133	H28	E28	0	0.00	0	0.00
134	H28	D28	0	0.00	0	0.00
135	H28	E28	0	0.00	0	0.00
136	E28	E28	0	0.00	0	0.00
137	H28	G28	0	0.00	0	0.00
138	H28	G28	0	0.00	0	0.00
139	D28	E28	2	259.43	2	259.43
140	D28	D28	0	0.00	0	0.00
141	D28	E28	2	259.73	2	259.73
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
149	C28	B28	4	749.81	4	749.81
150	E28	B28	335	1604.49	335	1604.49
151	B28	A28	0	0.00	0	0.00
152	H28	B28	0	0.00	0	0.00
153	F28	B28	40	362.29	40	362.29
154	E28	A28	24	244.44	24	244.44
155	E28	C28	0	0.00	0	0.00
156	C28	G28	60	123.79	60	123.79
157	H28	B28	0	0.00	0	0.00
158	B28	D28	178	142.86	178	142.86
159	B28	E28	108	128.01	108	128.01
160	B28	G28	112	174.23	112	174.23
161	B28	F28	13	166.34	13	166.34
162	B28	H28	0	0.00	0	0.00
163	B28	A28	19	422.01	19	422.01
164	B28	B28	0	0.00	0	0.00
165	B28	B28	0	0.00	0	0.00
166	B28	C28	99	494.12	99	494.12
167	B28	E28	405	516.97	405	516.97
168	G28	A28	793	98.25	793	98.25
169	G28	B28	159	295.78	159	295.78
170	G28	B28	159	230.31	159	230.31
171	G28	H28	0	0.00	0	0.00
172	F28	D28	88	257.64	88	257.64
173	F28	E28	44	243.36	44	243.36
174	F28	F28	0	0.00	0	0.00
175	G28	C28	341	182.34	341	182.34
176	G28	E28	123	225.31	123	225.31
177	G28	D28	130	177.88	130	177.88
178	G28	E28	57	165.41	57	165.41
179	F28	E28	0	0.00	0	0.00
180	F28	D28	0	0.00	0	0.00
181	G28	G28	0	0.00	0	0.00
185	A28	B28	27	1043.46	27	1043.46
186	A28	C28	100	1140.74	100	1140.74
187	A28	E28	163	1191.48	163	1191.48
195	D28	G28	153	102.00	153	102.00
196	D28	F28	60	92.44	60	92.44
197	D28	G28	20	98.95	20	98.95
198	D28	A28	5	262.71	5	262.71
199	D28	B28	146	439.40	146	439.40
200	D28	B28	146	375.73	146	375.73
201	D28	C28	247	181.92	247	181.92
204	D28	C28	80	207.21	80	207.21
205	D28	E28	12	258.56	12	258.56
206	D28	D28	0	0.00	0	0.00
207	D28	E28	2	193.56	2	193.56
210	A28	G28	363	699.48	363	699.48
211	A28	H28	0	0.00	0	0.00
212	A28	D28	13	654.51	13	654.51
213	A28	E28	230	639.22	230	639.22
214	G28	G28	0	0.00	0	0.00
215	G28	F28	29	202.56	29	202.56
218	A28	G28	61	696.29	61	696.29
219	A28	F28	60	688.39	60	688.39
220	H28	F28	0	0.00	0	0.00

222	A28	D28	0	0.00	0	0.00
223	A28	E28	53	1191.25	53	1191.25
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
230	G28	G28	0	0.00	0	0.00
231	A28	G28	10	695.27	10	695.27
232	A28	H28	0	0.00	0	0.00
233	B28	H28	0	0.00	0	0.00
234	C28	G28	41	123.01	41	123.01
235	E28	G28	0	0.00	0	0.00
236	E28	H28	0	0.00	0	0.00
238	D28	B28	44	348.01	44	348.01
239	D28	B28	43	284.37	43	284.37
240	G28	C28	50	127.43	50	127.43
241	E28	C28	0	0.00	0	0.00
242	H28	C28	0	0.00	0	0.00
243	G28	D28	11	208.66	11	208.66
244	G28	E28	0	0.00	0	0.00
245	C28	C28	0	0.00	0	0.00
246	E28	C28	47	435.52	47	435.52
247	E28	E28	0	0.00	0	0.00
248	D28	C28	31	207.80	31	207.80
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
254	A28	A28	2	850.57	2	850.57
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	269.96	10	269.96
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
268	F28	C28	53	251.85	53	251.85
269	F28	E28	44	287.87	44	287.87
270	F28	D28	0	0.00	0	0.00
271	F28	E28	0	0.00	0	0.00
272	F28	H28	0	0.00	0	0.00
273	F28	H28	0	0.00	0	0.00
274	F28	C28	0	0.00	0	0.00
275	F28	C28	0	0.00	0	0.00
276	F28	E28	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	955 <	2050	28	0.00	96	-7	48.27	42.69	107.70	18.92 +
	3	(untitled)	6	771-2	E	687	2050	28	0.00	69	30	18.31	12.41	59.31	10.20
	4	(untitled)	6	771-2	E	909 <	2050	28	0.00	92	-2	37.01	30.99	106.73	17.07 +
Ac	1	(untitled)	6	771-2	D	867 <	2263	22	0.00	100	-10	102.81	95.62	190.90	30.47 +
	2	(untitled)	6	771-2	D	292	2263	22	14.89	37	145	43.08	33.58	108.93	5.36
	3	(untitled)	6	771-2	D	553	2263	22	4.19	64	40	12.78	6.18	22.48	2.89
Acf	1	(untitled)	6			1160 <	2263	60	29.26	100	-10	69.08	63.86	131.17	27.80 +
	2	(untitled)	6			553	2263	60	27.00	24	268	7.50	0.26	0.00	0.04
Af	1	(untitled)	6			1389	2050	60	10.71	70	29	8.78	2.35	9.18	5.39
	2	(untitled)	6			687	2050	60	17.00	34	169	6.80	0.44	0.00	0.08
	3	(untitled)	6			909	2050	60	9.11	44	103	7.03	0.70	1.40	1.63
B	1	(untitled)	1	769-1	B	215	2050	11	5.06	53	71	43.35	36.25	107.91	3.87
	2	(untitled)	1	769-1	B	283 <	2150	11	4.11	100	-10	287.60	280.31	323.58	24.16 +
	3	(untitled)	1	769-1	B	273	2100	11	0.14	66	37	28.02	20.54	83.24	3.83
	4	(untitled)	1	769-1	B	268	2050	11	0.00	65	38	36.45	24.16	88.60	3.99
Bc	1	(untitled)	1	769-1	A	813	2050	37	4.00	63	44	17.56	5.60	39.42	6.35
	2	(untitled)	1	769-1	A	1059	2050	37	3.00	82	10	25.24	13.41	69.90	13.44
	3	(untitled)	1	769-1	A	1003	2050	37	1.76	81	11	25.99	14.28	85.40	21.06
Bcf	1	(untitled)	1			1822	2263	60	8.00	81	12	7.60	3.25	0.00	1.65
	2	(untitled)	1			813	2263	60	12.00	36	151	5.87	0.45	0.00	0.10
	3	(untitled)	1			1059	2263	60	12.00	47	92	6.36	0.70	0.00	0.21
	4	(untitled)	1			1003	2263	60	15.48	45	101	6.99	0.65	1.11	1.93
Bf	1	(untitled)	1			498 <	1800	60	42.83	97	-7	274.17	246.84	452.45	46.25 +
	2	(untitled)	1			541	1800	60	3.00	30	199	27.84	0.43	0.00	0.06
C	1	(untitled)	2	769-2	G	481 <	2100	13	0.00	98	-8	194.40	179.87	333.05	28.81 +
	2	(untitled)	2	769-2	G	430	2200	13	0.00	84	7	53.69	39.01	116.31	8.47
	3	(untitled)	2	769-2	G	144	2050	13	0.00	30	199	35.53	20.61	82.68	1.98
Cf	1	(untitled)	2			508 <	1965	60	45.31	106	-15	257.05	239.70	407.14	41.39 +
	2	(untitled)	2			574	1965	60	0.00	29	208	17.88	0.38	0.00	0.06
D	1	(untitled)	3	770-1	B	413	2050	19	0.00	60	49	24.82	20.69	80.09	5.58
	2	(untitled)	3	770-1	B	473	1850	19	0.00	77	17	31.39	27.27	89.21	7.09
	3	(untitled)	3	770-1	B	482	2250	19	1.19	68	32	26.91	22.94	82.88	6.68
Dc	1	(untitled)	3	770-1	A	756	2100	31	3.46	68	31	15.10	11.30	53.68	6.59
	2	(untitled)	3	770-1	A	836	2100	31	6.00	75	21	16.95	13.30	51.43	7.08
	3	(untitled)	3	770-1	A	269	2100	31	9.00	24	275	13.23	9.72	39.15	2.36
	4	(untitled)	3	770-1	A	412	2100	31	14.00	37	145	23.26	19.90	85.05	5.76
Dcf	1	(untitled)	3			1149	2050	60	13.00	56	61	6.06	1.12	0.00	0.36
	2	(untitled)	3			1527	2100	60	13.84	78	16	8.41	3.46	9.76	4.01
	3	(untitled)	3			836	2100	60	16.38	43	110	6.37	1.03	5.82	2.42
	4	(untitled)	3			269	2100	60	22.00	13	603	6.52	0.13	0.01	0.01
	5	(untitled)	3			412	2100	60	34.64	20	354	5.26	0.24	2.29	2.34
Df	1	(untitled)	3-2			886	1900	60	0.00	47	93	24.83	0.83	0.00	0.20
	2	(untitled)	3-2			482	2250	60	0.00	21	320	24.22	0.22	0.00	0.03
Dxp	1	(untitled)	3-2	770-2	D	1215	2050	41	1.00	85	6	11.00	7.50	18.26	3.86
	2	(untitled)	3-2	770-2	D	772	2050	41	3.00	54	67	5.17	1.52	2.98	0.39
Ec	1	(untitled)	4	770-3	F	729	2150	24	0.00	81	11	21.80	18.05	69.15	8.33
	2	(untitled)	4	770-3	F	672	2263	24	3.00	71	26	19.47	15.83	56.30	6.11
	3	(untitled)	4	770-3	F	525	2263	24	1.00	56	62	24.65	21.15	82.03	7.19
	4	(untitled)	4	770-3	F	391	2250	24	10.00	42	116	9.18	5.73	18.56	2.47
Ecf	1	(untitled)	4			856	2100	60	19.11	54	65	9.96	6.52	40.24	5.66
	2	(untitled)	4			1149	2100	60	14.48	59	52	5.09	1.61	8.38	2.75
	3	(untitled)	4			672	2263	60	17.00	30	203	3.86	0.34	0.00	0.06
	4	(untitled)	4			964	2300	60	25.75	45	101	4.69	0.75	3.65	2.44

Ef	**1**	(untitled)	4			859	1900	60	0.00	45	99	16.09	0.78	0.00	0.19
	2	(untitled)	4			627 <	1900	60	45.98	141	-36	558.89	543.58	375.44	99.92 +
Exp	**1**	(untitled)	4-2	770-4	L	856	2050	40	0.00	61	47	13.39	9.50	51.08	7.33
	2	(untitled)	4-2	770-4	L	420	2050	40	19.00	30	200	14.26	10.23	80.22	5.68
F	**1**	(untitled)	5	771-1	B	233	2100	15	0.00	42	116	26.83	20.45	80.41	3.13
	2	(untitled)	5	771-1	B	297	2100	15	0.00	53	70	28.84	22.41	82.59	4.09
	3	(untitled)	5	771-1	B	463	2100	15	0.00	83	9	41.78	35.24	103.61	8.11
Fc	**1**	(untitled)	5	771-1	A	779	2263	35	6.00	57	57	23.65	4.56	47.90	7.17
	2	(untitled)	5	771-1	A	616	2263	35	7.10	47	92	25.15	6.22	72.27	8.62
	3	(untitled)	5	771-1	A	919 <	2263	35	11.67	100	-10	141.69	122.15	388.84	45.42 +
Ff	**1**	(untitled)	5			530	1900	60	0.00	28	223	33.45	0.37	0.00	0.05
	2	(untitled)	5			463	1900	60	0.00	24	269	33.35	0.31	0.00	0.04
G	**1**	(untitled)	2	769-2	F	241 <	2050	13	6.94	100	-10	481.09	465.03	449.13	34.35 +
	2	(untitled)	2	769-2	F	250	2050	13	4.51	54	66	44.12	32.68	98.74	4.11
Gf	**1**	(untitled)	4			237 <	2050	60	53.06	100	-10	150.59	147.67	218.82	11.85 +
	2	(untitled)	4			207	2050	60	40.00	10	792	2.98	0.10	0.00	0.01
xA	**1**	(untitled)	10			924	2263	60	20.60	46	96	18.09	0.86	3.84	2.51
	2	(untitled)	10			668	2263	60	23.00	30	205	17.58	0.33	0.00	0.06
xB	**1**	(untitled)				1822	Unrestricted	60	0.00	0	Unrestricted	5.79	0.00	0.00	0.00
xC	**1**	(untitled)				650 <	1900	60	39.47	100	-10	139.95	131.28	121.68	30.01 +
	2	(untitled)				618 <	1900	60	39.47	95	-5	76.03	67.33	96.28	20.18 +
xD	**1**	(untitled)				1215	Unrestricted	60	11.00	0	Unrestricted	9.13	0.00	0.00	0.00
	2	(untitled)				772	Unrestricted	60	14.00	0	Unrestricted	9.21	0.00	0.00	0.00
xE	**1**	(untitled)				856	Unrestricted	60	16.00	0	Unrestricted	13.04	0.00	0.00	0.00
	2	(untitled)				420	Unrestricted	60	30.00	0	Unrestricted	13.04	0.00	0.00	0.00
xF	**1**	(untitled)				843	Unrestricted	60	1.00	0	Unrestricted	12.19	0.00	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	776	2050	32	6.08	69	30	19.95	13.44	68.12	13.58
E1	**1**	(untitled)	4	770-3	G	312	2050	25	0.00	35	156	18.46	12.46	61.75	3.22
	2	(untitled)	4	770-3	G	547 <	2200	25	11.60	104	-13	132.63	126.63	207.99	22.79 +
Gf1	**1**	(untitled)	4			47	675	60	48.33	13	598	9.67	5.97	33.19	0.36
Cc2	**2**	(untitled)	2	769-2	D	1055 <	2150	33	2.07	89	1	30.03	23.47	115.69	16.15 +
	3	(untitled)	2	769-2	D	623	2050	33	5.00	54	68	16.20	9.34	38.82	4.03
	4	(untitled)	2	769-2	D	1191 <	2150	33	0.17	98	-8	58.93	52.60	123.59	26.32 +
	5	(untitled)	2	769-2	D	268	2050	33	22.00	23	290	8.44	0.46	0.00	0.03
E2	**3**	(untitled)	4	770-3	H	237 <	2150	25	19.38	100	-10	207.79	203.79	225.70	14.19 +
	4	(untitled)	4	770-3	H	207	2050	25	6.00	23	287	7.02	2.94	9.15	0.32
TC5	**2**	(untitled)	TC771-6	TC777-1	A	747	2263	39	10.00	48	86	6.35	3.59	25.07	3.12
	3	(untitled)	TC771-6	TC777-1	A	668	2263	39	15.00	43	108	4.51	1.74	8.12	1.61
	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	1161	1925	40	0.00	84	7	23.82	12.81	66.58	14.02
	2	(untitled)	TC771-6	TC777-1	B	687	1966	40	0.00	49	85	15.97	4.92	38.17	4.71
	3	(untitled)	TC771-6	TC777-1	B	680	1947	40	0.00	49	85	16.05	4.93	37.92	4.68
TC35	**1**	(untitled)	TC771-6	TC777-1	A	177	1900	39	12.00	14	561	5.32	2.42	31.02	1.46
TC36	**1**	(untitled)	TC771-6			567	1800	60	0.00	32	186	3.49	0.46	0.00	0.07
TC37	**1**	(untitled)	TC771-6	TC777-2	J	110	1850	45	0.00	8	1060	5.05	1.86	23.51	0.43
TC38	**1**	(untitled)	TC771-6			110	438	60	2.00	25	258	4.46	2.92	37.25	2.46
TC39	**2**	(untitled)	TC771-6			747	2263	60	29.00	33	172	2.93	0.39	0.00	0.08
	3	(untitled)	TC771-6			668	2263	60	34.00	30	205	2.73	0.33	0.00	0.06

TC40	2	(untitled)	TC771-6			857	Unrestricted	60	0.00	0	Unrestricted	4.23	0.00	0.00	0.00
	3	(untitled)	TC771-6			668	Unrestricted	60	25.00	0	Unrestricted	4.02	0.00	0.00	0.00
TC41	1	(untitled)	TC771-6	TC777-1	D	228	1850	7	0.00	92	-3	89.05	85.12	168.08	7.18
	2	(untitled)	TC771-6	TC777-1	D	229	1850	7	0.00	93	-3	90.94	86.98	169.94	7.33
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			1082	1965	60	0.00	55	63	7.73	1.12	0.00	0.34
49	1	(untitled)	TC771-6			1161	1900	60	0.00	61	47	4.63	1.48	0.00	0.48
	2	(untitled)	TC771-6			1367	1900	60	0.00	72	25	5.56	2.41	0.00	0.92
50	1	(untitled)	1			1422 <	1900	60	27.19	137	-34	501.25	495.47	365.05	209.84 +
51	1	(untitled)	4-2			993	1900	60	0.00	52	72	5.53	1.04	0.00	0.29

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	29	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	3	770-1	C	0	11000	29	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	23	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	J	0	11000	23	0	Unrestricted	0.00	0.00	0.00	100	
5	1	(untitled)	4	770-3	I	0	11000	23	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	I	0	11000	23	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	29	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	5	771-1	C	0	11000	29	0	Unrestricted	0.00	0.00	0.00	100	
8	1	(untitled)	1	769-1	C	0	11000	33	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	1	769-1	C	0	11000	33	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	10	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	I	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	
14	1	(untitled)		TC777-1	F	0	11000	40	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	F	0	11000	40	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	8	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	H	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
17	1	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	

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	6774.66	931.84	7.27	757.47	10756.01	1037.71	0.00	11793.73
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	6774.66	931.84	7.27	757.47	10756.01	1037.71	0.00	11793.73

- *< = 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***