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
Report generation date: 15/07/2021 21:59:19

File summary

File description

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

Model and Results

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

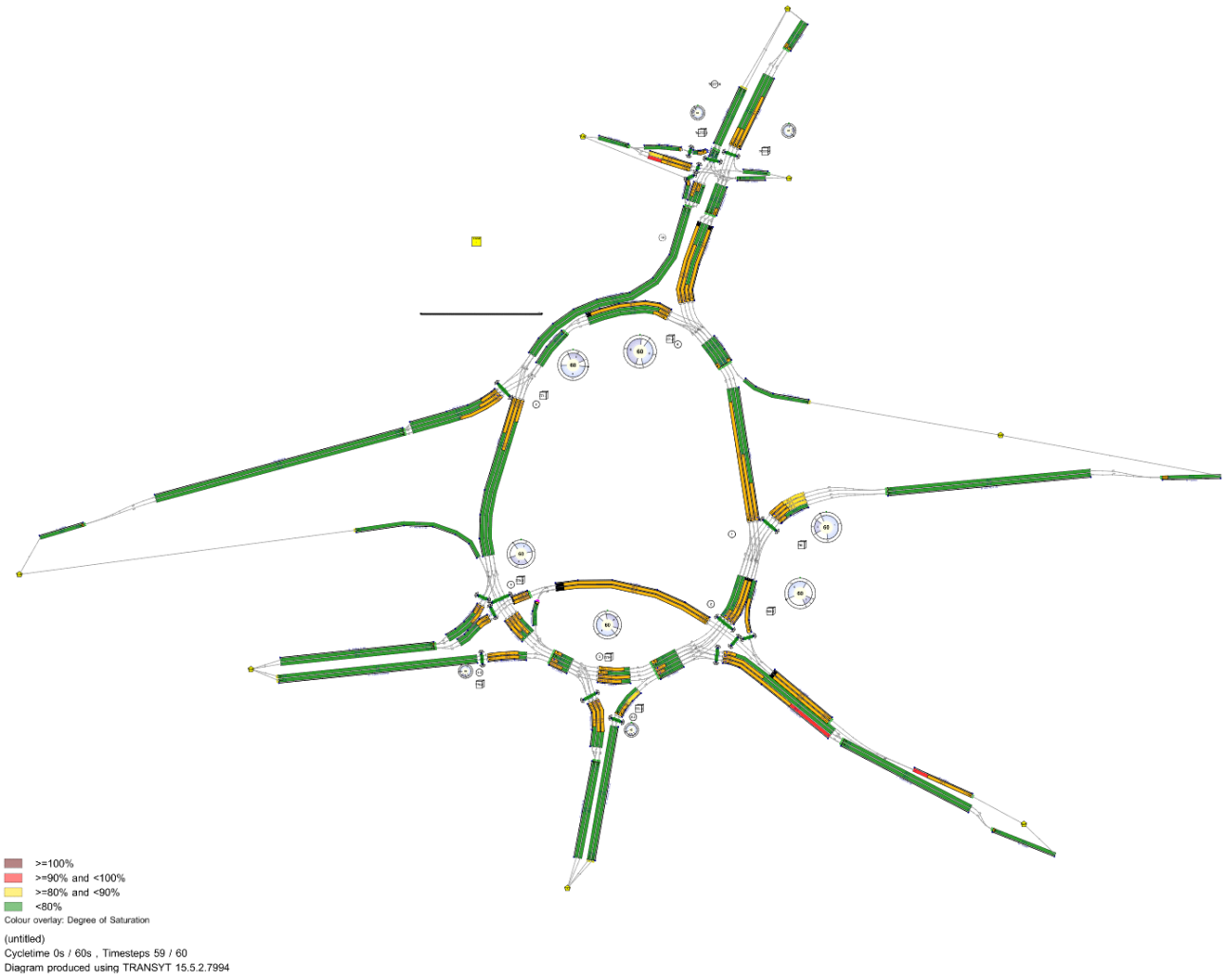
Units

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

Sorting

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

Network Diagrams



A2 - 2019 Base + Committed + Cumulative PM
D2 - 2019 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	15/07/2021 21:58:40	15/07/2021 21:58:54	16:30	60	5298.05	318.67	104.63	Gf/2	13	9	TC5/4	Gf/2	TC5

Analysis Set Details

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

Demand Set Details

Name	Description	Composite	Demand sets	Start time (HH:mm)	Locked
2019 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	892	892
	2	410	410
	3	642	642
	4	857	857
Ac	1	829	829
	2	264	264
	3	530	530
Acf	1	1093	1093
	2	530	530
Af	1	1302	1302
	2	642	642
	3	857	857
B	1	264	264
	2	354	354
	3	358	358
	4	349	349

Bc	**1**	761	761
	2	991	991
	3	951	951
Bcf	**1**	1721	1721
	2	761	761
	3	991	991
	4	951	951
Bf	**1**	618	618
	2	707	707
C	**1**	465	465
	2	399	399
	3	143	143
Cf	**1**	465	465
	2	542	542
D	**1**	393	393
	2	446	446
	3	459	459
Dc	**1**	733	733
	2	888	888
	3	271	271
	4	492	492
Dcf	**1**	1186	1186
	2	1464	1464
	3	888	888
	4	271	271
	5	492	492
Df	**1**	839	839
	2	459	459
Dxp	**1**	1186	1186
	2	731	731
Ec	**1**	693	693
	2	647	647
	3	607	607
	4	370	370
Ecf	**1**	826	826
	2	1188	1188
	3	647	647
	4	1021	1021
Ef	**1**	798	798
	2	584	584
Exp	**1**	826	826
	2	495	495
F	**1**	219	219
	2	269	269
	3	443	443
Fc	**1**	742	742
	2	698	698
	3	876	876
Ff	**1**	488	488
	2	443	443
G	**1**	296	296
	2	333	333
Gf	**1**	292	292
	2	292	292
xA	**1**	871	871
	2	752	752
xB	**1**	1721	1721

xC	1	683	683
	2	680	680
xD	1	1186	1186
	2	731	731
xE	1	826	826
	2	495	495
xF	1	799	799
Cc1	1	734	734
E1	1	292	292
	2	506	506
Gf1	1	45	45
Cc2	2	1094	1094
	3	694	694
	4	1157	1157
	5	349	349
E2	3	292	292
	4	292	292
TC5	2	680	680
	3	752	752
	4	0	0
TC9	1	1080	1080
	2	642	642
	3	635	635
TC35	1	191	191
TC36	1	551	551
TC37	1	107	107
TC38	1	107	107
TC39	2	680	680
	3	752	752
TC40	2	787	787
	3	752	752
TC41	1	222	222
	2	222	222
TC42	1	0	0
TC43	1	0	0
47	1	1363	1363
48	1	1007	1007
49	1	1080	1080
	2	1277	1277
50	1	1325	1325
51	1	931	931

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	49	386	12	413	59	403	0
	B28	18	0	96	165	477	13	238	0
	C28	360	45	0	300	93	21	479	0
	D28	5	351	340	0	16	59	160	0
	E28	443	584	86	106	1	10	152	0
	F28	157	39	76	85	87	0	107	0
	G28	735	295	933	131	234	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

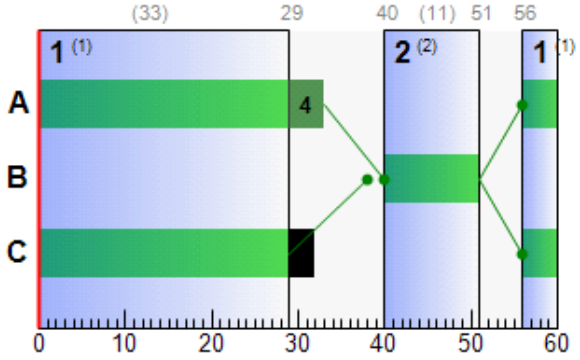
Resultant Phase Green Periods

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

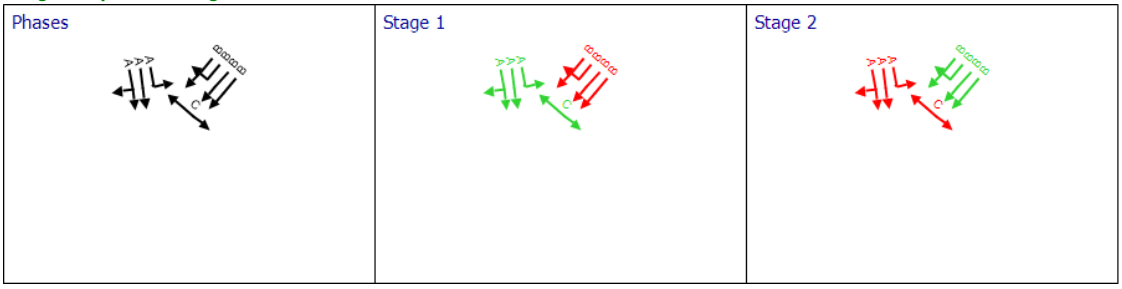
Traffic Stream Green Times

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

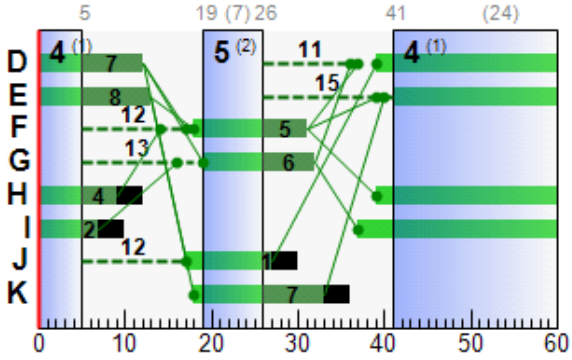
Resultant Phase Green Periods

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

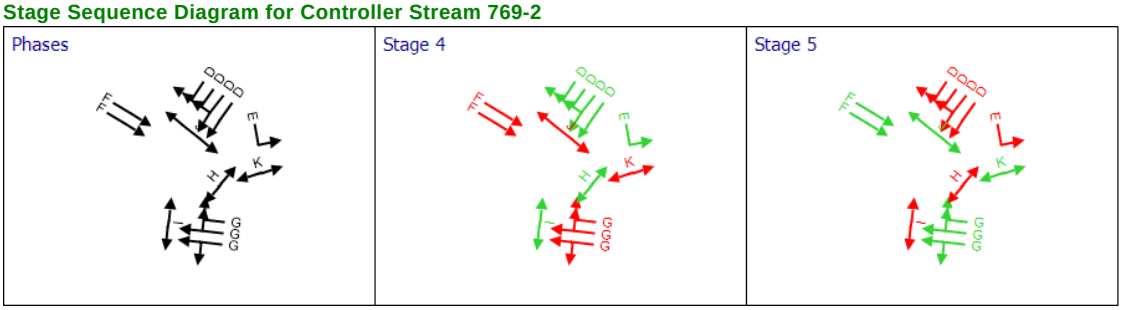
Traffic Stream Green Times

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

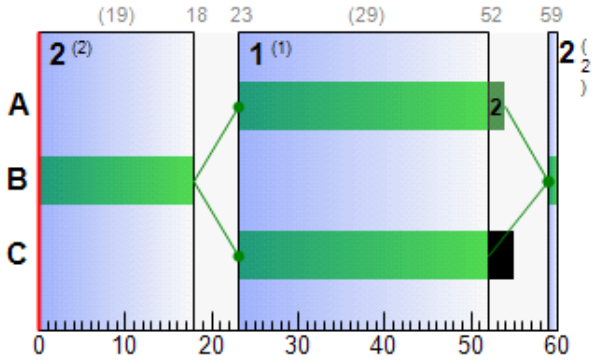
Resultant Phase Green Periods

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

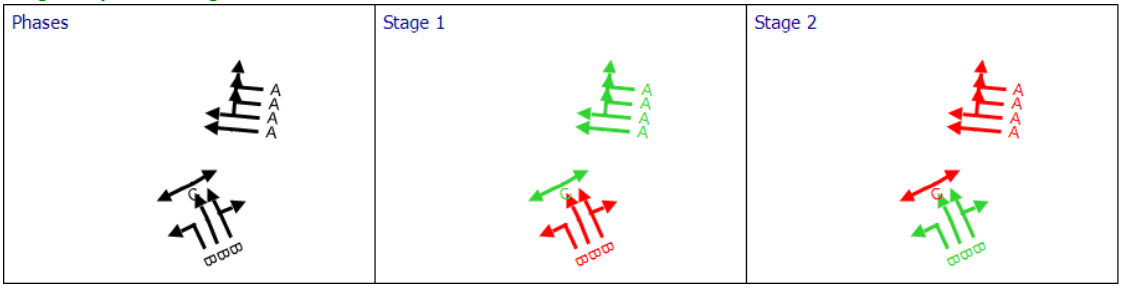
Traffic Stream Green Times

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

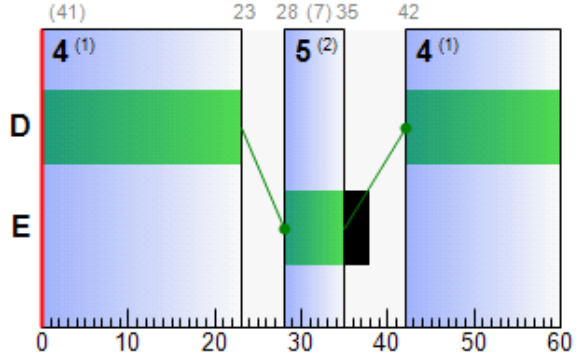
Resultant Phase Green Periods

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

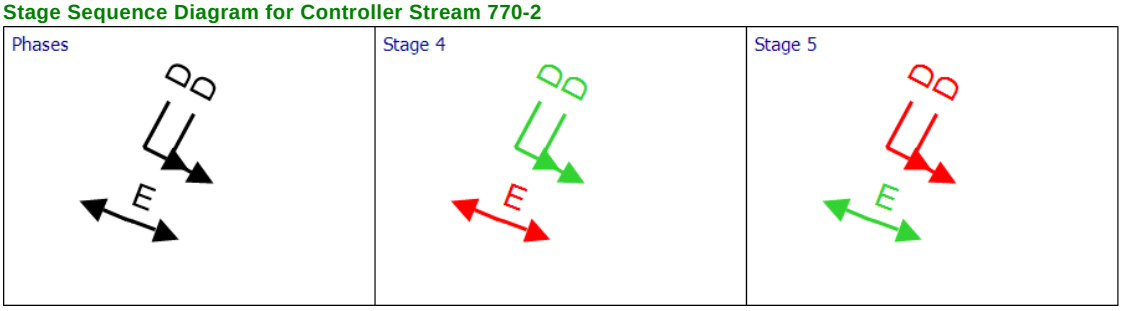
Traffic Stream Green Times

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

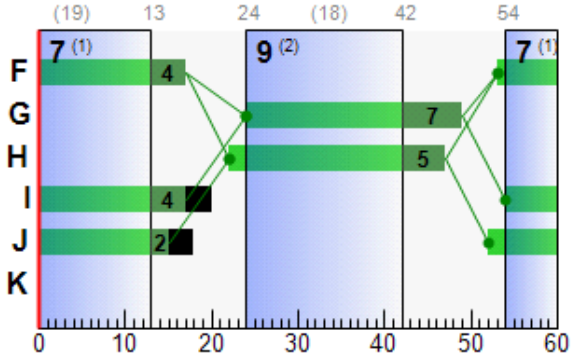
Resultant Phase Green Periods

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

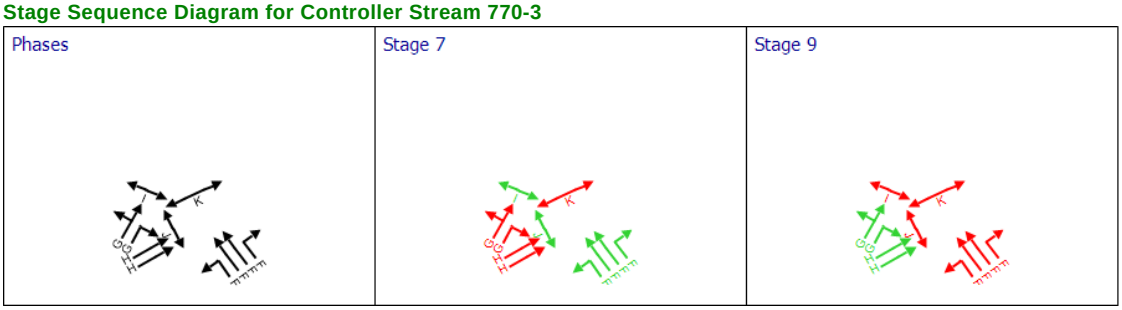
Traffic Stream Green Times

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

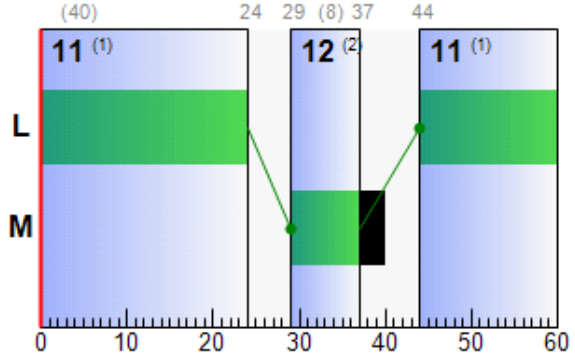
Resultant Phase Green Periods

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

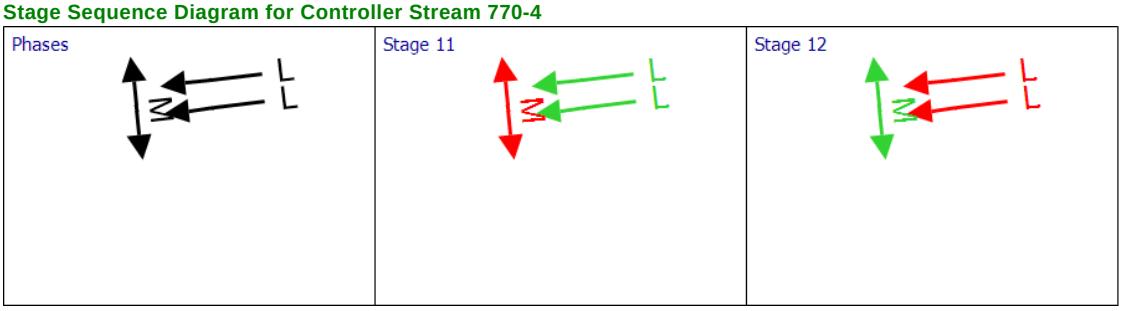
Traffic Stream Green Times

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

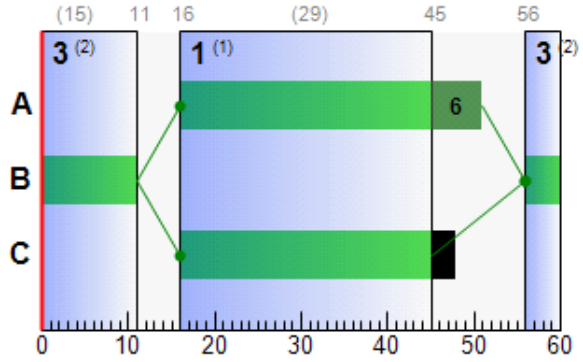
Resultant Phase Green Periods

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

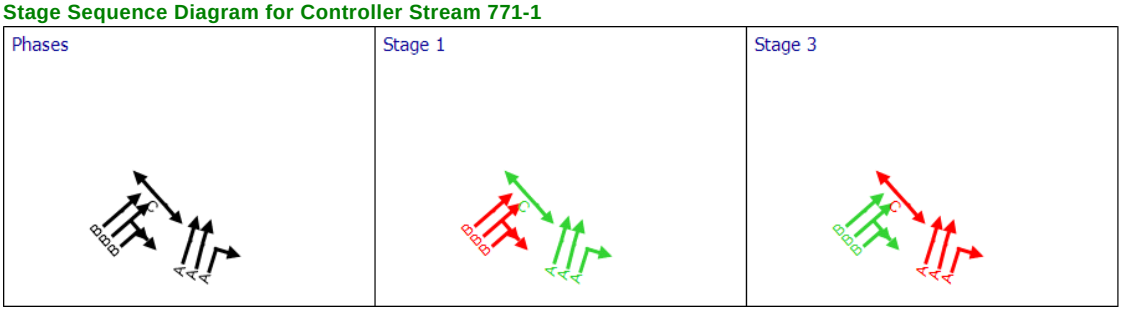
Traffic Stream Green Times

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

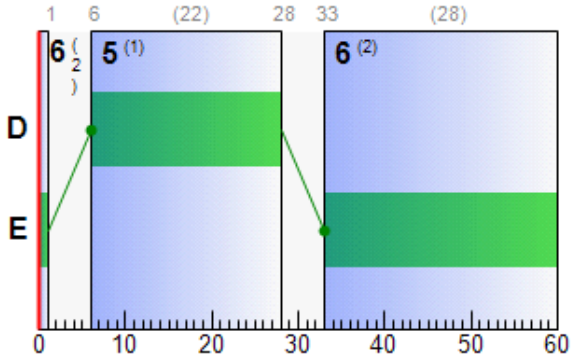
Resultant Phase Green Periods

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

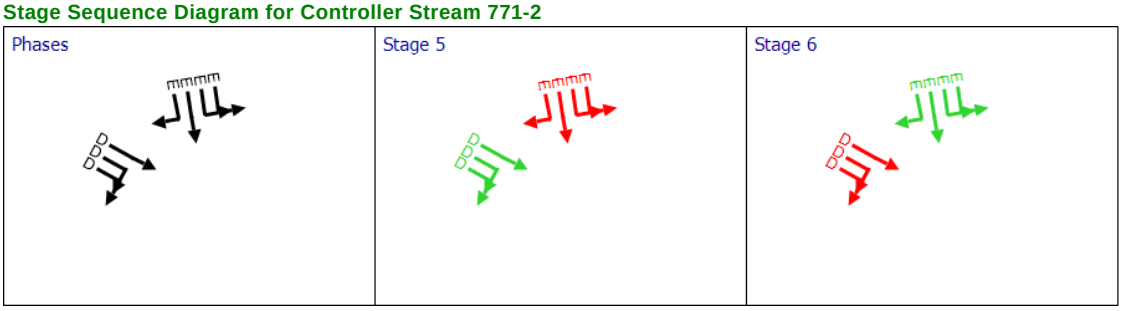
Traffic Stream Green Times

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

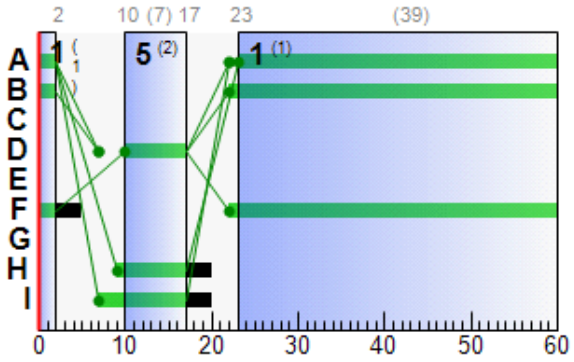
Resultant Phase Green Periods

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

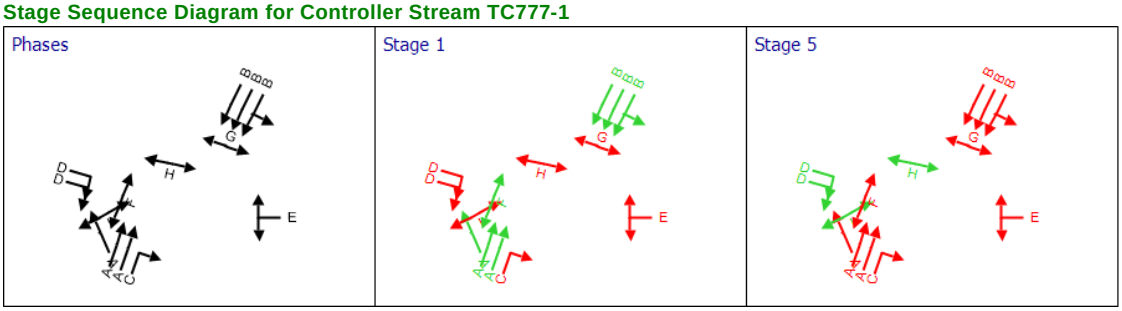
Traffic Stream Green Times

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

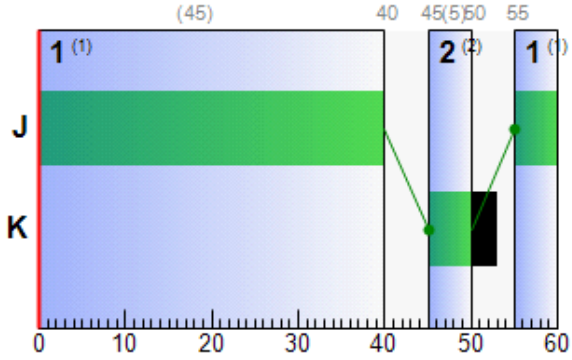
Resultant Phase Green Periods

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

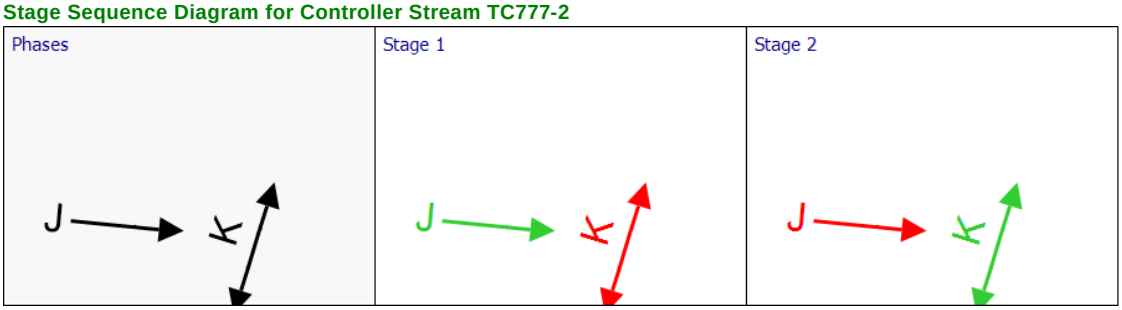
Traffic Stream Green Times

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	892	2050	28	991	90	0	25.86	14.02	108.15	31.45

	A	2	(untitled)	E	411	2050	28	991	41	117	8.41	2.93	21.88	14.18
		3	(untitled)	E	642	2050	28	991	65	39	11.40	9.89	72.35	17.30
		4	(untitled)	E	858	2050	28	991	87	4	23.85	14.61	104.58	29.87
	Ac	1	(untitled)	D	830	2263	22	867	96	-6	60.71	21.44	128.70	67.90
		2	(untitled)	D	264	2263	22	784	34	167	1.89	2.02	12.60	11.39
		3	(untitled)	D	528	2263	22	860	61	47	6.08	2.80	18.33	12.68
	Acf	1	(untitled)		1094	2263	60	2263	48	86	0.74	0.23	1.87	5.96
		2	(untitled)		528	2263	60	2263	23	286	0.24	0.04	0.29	7.49
	Af	1	(untitled)		1303	2050	60	2023	64	40	1.66	2.13	22.89	8.08
		2	(untitled)		642	2050	60	2050	31	187	0.40	0.07	0.77	6.76
		3	(untitled)		858	2050	60	2050	42	115	0.63	0.15	1.64	6.96
	B	1	(untitled)	B	265	2050	11	406	65	38	30.29	4.29	26.03	37.39
		2	(untitled)	B	354	2150	11	407	87	4	49.07	7.71	45.59	56.36
		3	(untitled)	B	358	2100	11	412	87	3	49.13	7.78	44.90	56.60
		4	(untitled)	B	350	2050	11	410	85	5	46.37	7.51	42.14	58.66
	Bc	1	(untitled)	A	762	2050	37	1298	59	53	7.10	6.49	28.09	19.06
		2	(untitled)	A	990	2050	37	1296	76	18	11.22	11.46	50.10	23.05
		3	(untitled)	A	951	2050	37	1295	73	23	10.79	20.34	89.89	22.50
	Bcf	1	(untitled)		1722	2263	60	2263	76	18	2.51	1.20	11.03	6.86
		2	(untitled)		762	2263	60	2263	34	167	0.40	0.09	0.78	5.85
		3	(untitled)		990	2263	60	2263	44	106	0.62	0.17	1.57	6.28
		4	(untitled)		951	2263	60	2256	42	113	0.58	1.90	17.59	6.91
	Bf	1	(untitled)		619	1800	60	1800	34	162	0.52	0.09	0.23	27.86
		2	(untitled)		708	1800	60	1800	39	129	0.65	0.13	0.32	28.06
	C	1	(untitled)	G	465	2100	13	490	95	-5	67.25	13.06	62.01	81.79
		2	(untitled)	G	399	2200	13	513	78	16	33.48	7.30	34.30	48.16
		3	(untitled)	G	143	2050	13	478	30	201	20.58	1.97	9.11	35.51
	Cf	1	(untitled)		465	1965	60	1965	24	280	0.28	0.04	0.15	17.64
		2	(untitled)		542	1965	60	1965	28	226	0.35	0.05	0.21	17.85
	D	1	(untitled)	B	393	2050	19	683	58	56	20.05	5.28	55.17	24.17
		2	(untitled)	B	446	1850	19	617	72	24	25.06	6.45	67.45	29.18
		3	(untitled)	B	459	2250	19	706	65	38	21.98	6.26	68.10	25.94
	Dc	1	(untitled)	A	733	2100	31	1110	66	36	10.97	6.42	72.89	14.77
		2	(untitled)	A	887	2100	31	1120	79	14	16.83	8.41	99.27	20.49
		3	(untitled)	A	271	2100	31	1120	24	272	11.29	2.36	28.98	14.80
		4	(untitled)	A	493	2100	31	1120	44	104	21.94	6.41	82.28	25.30
	Dcf	1	(untitled)		1186	2050	60	2050	58	56	1.20	0.40	3.45	6.15
		2	(untitled)		1464	2100	60	1975	74	21	2.85	3.60	31.41	7.80
		3	(untitled)		887	2100	60	1566	57	59	3.38	5.04	42.24	8.75
		4	(untitled)		271	2100	60	2100	13	597	0.13	0.01	0.08	6.74
		5	(untitled)		493	2100	60	1908	26	248	0.93	2.41	20.71	5.95
	Df	1	(untitled)		839	1900	60	1900	44	104	0.75	0.17	0.50	24.75
		2	(untitled)		459	2250	60	2250	20	341	0.20	0.03	0.08	24.20
	Dxp	1	(untitled)	D	1186	2050	41	1435	83	9	6.62	3.48	42.96	10.12
		2	(untitled)	D	731	2050	41	1435	51	77	1.36	0.34	4.06	5.01
	Ec	1	(untitled)	F	693	2150	24	896	77	16	15.78	7.90	90.67	19.54
		2	(untitled)	F	647	2263	24	943	69	31	15.00	5.81	68.98	18.63
		3	(untitled)	F	607	2263	24	943	64	40	20.04	7.53	92.59	23.54
		4	(untitled)	F	370	2250	24	938	39	128	5.14	2.45	30.64	8.59
	Ecf	1	(untitled)		826	2100	60	1571	53	71	6.13	5.47	68.42	9.57
		2	(untitled)		1187	2100	60	1978	60	50	1.47	2.77	34.32	4.95
		3	(untitled)		647	2263	60	2263	29	215	0.32	0.06	0.70	3.84
		4	(untitled)		1022	2300	60	1453	70	28	4.78	3.35	38.24	8.72
	Ef	1	(untitled)		797	1900	60	1900	42	115	0.68	0.15	0.68	15.99
		2	(untitled)		584	1900	60	1900	31	193	0.42	0.07	0.31	15.73
16:30-17:30	Exp	1	(untitled)	L	826	2050	40	1401	59	53	9.59	7.27	80.67	13.47
		2	(untitled)	L	494	2050	40	1401	35	155	11.28	7.31	78.28	15.31
		1	(untitled)	B	219	2100	15	560	39	130	20.08	2.93	19.76	26.46

	F	2	(untitled)	B	269	2100	15	560	48	87	21.47	3.66	24.54	27.90
		3	(untitled)	B	442	2100	15	560	79	14	32.05	7.38	48.61	38.59
	Fc	1	(untitled)	A	742	2263	35	1358	55	65	4.23	7.08	22.21	23.30
		2	(untitled)	A	698	2263	35	1308	53	69	7.11	10.43	33.06	26.00
		3	(untitled)	A	875	2263	35	1357	64	40	6.83	4.42	14.08	26.38
	Ff	1	(untitled)		488	1900	60	1900	26	250	0.33	0.04	0.09	33.41
		2	(untitled)		442	1900	60	1900	23	287	0.29	0.04	0.07	33.33
	G	1	(untitled)	F	262	2050	13	262	100	-10	428.90	34.68	127.69	444.97
		2	(untitled)	F	302	2050	13	302	100	-10	357.21	33.72	127.05	368.65
	Gf	1	(untitled)		261	2050	60	258	101	-11	146.59	12.99	192.00	149.51
		2	(untitled)		273	2050	60	261	105	-14	178.75	15.86	237.24	181.63
	xA	1	(untitled)		871	2263	60	2263	38	134	0.50	0.12	0.30	17.72
		2	(untitled)		752	2263	60	2263	33	171	0.40	0.08	0.21	17.64
	xB	1	(untitled)		1722	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
	xC	1	(untitled)		650	1900	60	650	100	-10	129.54	29.99	149.17	138.21
		2	(untitled)		650	1900	60	650	100	-10	128.18	29.95	148.47	136.88
	xD	1	(untitled)		1186	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
		2	(untitled)		731	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
	xE	1	(untitled)		826	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		494	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	xF	1	(untitled)		799	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
	Cc1	1	(untitled)	E	736	2050	32	1128	65	38	9.38	10.89	65.32	15.92
	E1	1	(untitled)	G	292	2050	25	888	33	174	12.24	3.01	21.61	18.24
		2	(untitled)	G	505	2200	25	953	53	70	14.64	5.71	41.04	20.64
	Gf1	1	(untitled)		45	674	60	228	20	355	12.51	0.61	7.10	16.21
	Cc2	2	(untitled)	D	1094	2150	33	1178	93	-3	27.86	17.95	112.69	34.52
		3	(untitled)	D	694	2050	33	1162	60	51	7.85	3.46	22.28	14.87
		4	(untitled)	D	1156	2150	33	1213	95	-6	36.89	21.08	136.26	43.33
		5	(untitled)	D	350	2050	33	1162	30	199	0.67	0.06	0.42	8.65
	E2	3	(untitled)	H	292	2150	25	527	55	62	17.45	3.30	35.58	21.44
		4	(untitled)	H	292	2050	25	617	47	90	14.91	3.15	33.32	18.99
	TC5	2	(untitled)	A	680	2263	39	1546	44	105	3.41	2.96	73.81	6.17
		3	(untitled)	A	752	2263	39	1546	49	85	1.83	1.68	41.94	4.60
		4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	1081	1925	40	1380	78	15	10.15	11.62	72.83	21.15
		2	(untitled)	B	642	1966	40	1409	46	98	4.65	3.94	24.57	15.70
		3	(untitled)	B	635	1947	40	1395	46	98	4.65	3.90	24.16	15.77
	TC35	1	(untitled)	A	191	1900	39	1298	15	512	2.34	1.46	34.80	5.23
	TC36	1	(untitled)		552	1800	60	1800	31	193	0.44	0.07	1.55	3.47
	TC37	1	(untitled)	J	107	1850	45	1418	8	1093	1.85	0.42	5.44	5.04
	TC38	1	(untitled)		107	430	60	430	25	261	3.19	2.46	66.26	4.72
	TC39	2	(untitled)		680	2263	60	2263	30	200	0.34	0.06	1.05	2.88
		3	(untitled)		752	2263	60	2263	33	171	0.40	0.08	1.43	2.79
	TC40	2	(untitled)		787	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		752	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	222	1850	7	247	90	0	75.34	6.40	67.34	79.28
		2	(untitled)	D	223	1850	7	247	90	0	76.82	6.52	68.04	80.78
	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)		1007	1965	60	1965	51	76	0.96	0.27	2.80	7.58
	49	1	(untitled)		1081	1900	60	1900	57	58	1.25	0.37	8.21	4.40
		2	(untitled)		1277	1900	60	1900	67	34	1.93	0.69	15.03	5.08
	50	1	(untitled)		1327	1900	60	1900	70	29	2.18	0.80	9.61	7.96
	51	1	(untitled)		930	1900	60	1900	49	84	0.91	0.23	3.60	5.40

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	90	0	892	2050	28	25.86	14.02	108.15	91.00	24.78	115.78
		2	41	117	411	2050	28	8.41	2.93	21.88	13.63	5.73	19.37
		3	65	39	642	2050	28	11.40	9.89	72.35	28.87	11.66	40.53
		4	87	4	858	2050	28	23.85	14.61	104.58	80.71	26.32	107.03
	Ac	1	96	-6	830	2263	22	60.71	21.44	128.70	198.77	38.56	237.33
		2	34	167	264	2263	22	1.89	2.02	12.60	1.97	0.82	2.79
		3	61	47	528	2263	22	6.08	2.80	18.33	12.66	3.68	16.34
	Acf	1	48	86	1094	2263	60	0.74	0.23	1.87	3.21	0.00	3.21
		2	23	286	528	2263	60	0.24	0.04	0.29	0.50	0.00	0.50
	Af	1	64	40	1303	2050	60	1.66	2.13	22.89	8.51	0.67	9.18
		2	31	187	642	2050	60	0.40	0.07	0.77	1.01	0.00	1.01
		3	42	115	858	2050	60	0.63	0.15	1.64	2.14	0.00	2.14
	B	1	65	38	265	2050	11	30.29	4.29	26.03	31.66	8.21	39.88
		2	87	4	354	2150	11	49.07	7.71	45.59	68.52	14.50	83.02
		3	87	3	358	2100	11	49.13	7.78	44.90	69.37	14.45	83.82
		4	85	5	350	2050	11	46.37	7.51	42.14	64.01	5.49	69.50
	Bc	1	59	53	762	2050	37	7.10	6.49	28.09	21.34	8.39	29.73
		2	76	18	990	2050	37	11.22	11.46	50.10	43.81	14.39	58.20
		3	73	23	951	2050	37	10.79	20.34	89.89	40.47	16.67	57.14
	Bcf	1	76	18	1722	2263	60	2.51	1.20	11.03	17.07	0.00	17.07
		2	34	167	762	2263	60	0.40	0.09	0.78	1.21	0.00	1.21
		3	44	106	990	2263	60	0.62	0.17	1.57	2.41	0.00	2.41
		4	42	113	951	2263	60	0.58	1.90	17.59	2.18	0.17	2.35
	Bf	1	34	162	619	1800	60	0.52	0.09	0.23	1.28	0.00	1.28
		2	39	129	708	1800	60	0.65	0.13	0.32	1.81	0.00	1.81
	C	1	95	-5	465	2100	13	67.25	13.06	62.01	123.35	8.93	132.29
		2	78	16	399	2200	13	33.48	7.30	34.30	52.69	5.41	58.10
		3	30	201	143	2050	13	20.58	1.97	9.11	11.61	1.48	13.09
	Cf	1	24	280	465	1965	60	0.28	0.04	0.15	0.52	0.00	0.52
		2	28	226	542	1965	60	0.35	0.05	0.21	0.75	0.00	0.75
	D	1	58	56	393	2050	19	20.05	5.28	55.17	31.08	9.91	40.99
		2	72	24	446	1850	19	25.06	6.45	67.45	44.08	12.34	56.42
		3	65	38	459	2250	19	21.98	6.26	68.10	39.79	12.02	51.81
	Dc	1	66	36	733	2100	31	10.97	6.42	72.89	31.73	12.36	44.09
		2	79	14	887	2100	31	16.83	8.41	99.27	58.89	16.23	75.12
		3	24	272	271	2100	31	11.29	2.36	28.98	12.07	4.03	16.10
		4	44	104	493	2100	31	21.94	6.41	82.28	42.66	12.75	55.41
	Dcf	1	58	56	1186	2050	60	1.20	0.40	3.45	5.63	0.00	5.63
		2	74	21	1464	2100	60	2.85	3.60	31.41	16.48	3.87	20.35
		3	57	59	887	2100	60	3.38	5.04	42.24	11.82	6.86	18.68
		4	13	597	271	2100	60	0.13	0.01	0.08	0.14	0.00	0.14
		5	26	248	493	2100	60	0.93	2.41	20.71	1.81	2.65	4.46
	Df	1	44	104	839	1900	60	0.75	0.17	0.50	2.48	0.00	2.48
		2	20	341	459	2250	60	0.20	0.03	0.08	0.37	0.00	0.37
	Dxp	1	83	9	1186	2050	41	6.62	3.48	42.96	30.99	6.45	37.43
		2	51	77	731	2050	41	1.36	0.34	4.06	3.93	0.64	4.57
	Ec	1	77	16	693	2150	24	15.78	7.90	90.67	43.15	15.37	58.52
		2	69	31	647	2263	24	15.00	5.81	68.98	38.28	11.38	49.66
		3	64	40	607	2263	24	20.04	7.53	92.59	47.97	14.49	62.46
		4	39	128	370	2250	24	5.14	2.45	30.64	7.51	1.87	9.37
	Ecf	1	53	71	826	2100	60	6.13	5.47	68.42	19.97	10.01	29.98
		2	60	50	1187	2100	60	1.47	2.77	34.32	6.88	2.22	9.10
		3	29	215	647	2263	60	0.32	0.06	0.70	0.81	0.00	0.81
		4	70	28	1022	2300	60	4.78	3.35	38.24	19.28	4.79	24.07

16:30-17:30	Ef	1	42	115	797	1900	60	0.68	0.15	0.68	2.15	0.00	2.15
		2	31	193	584	1900	60	0.42	0.07	0.31	0.97	0.00	0.97
	Exp	1	59	53	826	2050	40	9.59	7.27	80.67	31.23	13.93	45.16
		2	35	155	494	2050	40	11.28	7.31	78.28	21.98	13.28	35.26
	F	1	39	130	219	2100	15	20.08	2.93	19.76	17.34	5.62	22.97
		2	48	87	269	2100	15	21.47	3.66	24.54	22.79	7.04	29.83
		3	79	14	442	2100	15	32.05	7.38	48.61	55.87	14.07	69.94
	Fc	1	55	65	742	2263	35	4.23	7.08	22.21	12.37	5.83	18.20
		2	53	69	698	2263	35	7.11	10.43	33.06	19.57	8.91	28.48
		3	64	40	875	2263	35	6.83	4.42	14.08	23.59	4.10	27.69
	Ff	1	26	250	488	1900	60	0.33	0.04	0.09	0.63	0.00	0.63
		2	23	287	442	1900	60	0.29	0.04	0.07	0.50	0.00	0.50
	G	1	100	-10	262	2050	13	428.90	34.68	127.69	443.25	19.99	463.24
		2	100	-10	302	2050	13	357.21	33.72	127.05	425.52	35.91	461.42
	Gf	1	101	-11	261	2050	60	146.59	12.99	192.00	150.93	18.51	169.44
		2	105	-14	273	2050	60	178.75	15.86	237.24	192.54	20.59	213.13
	xA	1	38	134	871	2263	60	0.50	0.12	0.30	1.71	0.00	1.71
		2	33	171	752	2263	60	0.40	0.08	0.21	1.17	0.00	1.17
	xB	1	0	Unrestricted	1722	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	100	-10	650	1900	60	129.54	29.99	149.17	332.12	25.78	357.90
		2	100	-10	650	1900	60	128.18	29.95	148.47	328.65	26.24	354.89
	xD	1	0	Unrestricted	1186	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	731	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	0	Unrestricted	826	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	494	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	0	Unrestricted	799	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	65	38	736	2050	32	9.38	10.89	65.32	27.23	16.06	43.29
	E1	1	33	174	292	2050	25	12.24	3.01	21.61	14.09	5.77	19.86
		2	53	70	505	2200	25	14.64	5.71	41.04	29.16	10.92	40.08
	Gf1	1	20	355	45	674	60	12.51	0.61	7.10	2.22	0.87	3.09
	Cc2	2	93	-3	1094	2150	33	27.86	17.95	112.69	120.23	42.99	163.22
		3	60	51	694	2050	33	7.85	3.46	22.28	21.49	6.47	27.96
		4	95	-6	1156	2150	33	36.89	21.08	136.26	168.23	42.20	210.44
		5	30	199	350	2050	33	0.67	0.06	0.42	0.92	0.00	0.92
	E2	3	55	62	292	2150	25	17.45	3.30	35.58	20.10	6.82	26.92
		4	47	90	292	2050	25	14.91	3.15	33.32	17.18	6.35	23.52
	TC5	2	44	105	680	2263	39	3.41	2.96	73.81	9.14	2.22	11.36
		3	49	85	752	2263	39	1.83	1.68	41.94	5.44	0.71	6.15
		4	0	-100	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	78	15	1081	1925	40	10.15	11.62	72.83	43.28	7.92	51.20
		2	46	98	642	1966	40	4.65	3.94	24.57	11.77	2.96	14.72
		3	46	98	635	1947	40	4.65	3.90	24.16	11.65	2.92	14.58
	TC35	1	15	512	191	1900	39	2.34	1.46	34.80	1.76	0.71	2.47
	TC36	1	31	193	552	1800	60	0.44	0.07	1.55	0.96	0.00	0.96
	TC37	1	8	1093	107	1850	45	1.85	0.42	5.44	0.78	0.88	1.66
	TC38	1	25	261	107	430	60	3.19	2.46	66.26	1.35	1.27	2.62
	TC39	2	30	200	680	2263	60	0.34	0.06	1.05	0.92	0.00	0.92
		3	33	171	752	2263	60	0.40	0.08	1.43	1.17	0.00	1.17
	TC40	2	0	Unrestricted	787	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		3	0	Unrestricted	752	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	TC41	1	90	0	222	1850	7	75.34	6.40	67.34	65.97	12.20	78.18
		2	90	0	223	1850	7	76.82	6.52	68.04	67.57	12.38	79.95
	TC42	1	0	-100	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	TC43	1	0	Unrestricted	0	1800	60	0.00	0.00	0.00	0.00	0.00	0.00
	47	1	100	-10	1300	1300	60	48.58	17.54	75.48	249.09	0.00	249.09
	48	1	51	76	1007	1965	60	0.96	0.27	2.80	3.82	0.00	3.82
	49	1	57	58	1081	1900	60	1.25	0.37	8.21	5.32	0.00	5.32
		2	67	34	1277	1900	60	1.93	0.69	15.03	9.74	0.00	9.74

	50	**1**	70	29	1327	1900	60	2.18	0.80	9.61	11.42	0.00	11.42
	51	**1**	49	84	930	1900	60	0.91	0.23	3.60	3.33	0.00	3.33

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**	892	892	0		2050	991	90	✓	0	0.44	28
		2	411	411	-1		2050	991	41		117	0.43	28
		3	642	642	0		2050	991	65		39	0.57	28
		4	858	858	-1		2050	991	87		4	0.61	28
	Ac	**1**	830	830	-1		2263	867	96	✓	-6	1.04	22
		2	264	264	0		2263	784	34		167	1.47	22
		3	528	528	1		2263	860	61		47	1.16	22
	Acf	**1**	1094	1094	-1		2263	2263	48		86	0.75	60
		2	528	528	1		2263	2263	23		286	1.16	60
	Af	**1**	1303	1303	-1		2050	2023	64		40	0.44	60
		2	642	642	0		2050	2050	31		187	0.57	60
		3	858	858	-1		2050	2050	42		115	0.61	60
	B	**1**	265	265	-1	✓	2050	406	65		38	0.00	11
		2	354	354	0		2150	407	87		4	0.00	11
		3	358	358	0		2100	412	87		3	0.00	11
		4	350	350	-1		2050	410	85		5	0.00	11
	Bc	**1**	762	762	-1		2050	1298	59		53	0.81	37
		2	990	990	0		2050	1296	76		18	0.67	37
		3	951	951	0		2050	1295	73		23	0.89	37
	Bcf	**1**	1722	1722	-1		2263	2263	76		18	0.38	60
		2	762	762	-1		2263	2263	34		167	0.81	60
		3	990	990	0		2263	2263	44		106	0.67	60
		4	951	951	0		2263	2256	42		113	0.89	60
	Bf	**1**	619	619	-1	✓	1800	1800	34		162	0.00	60
		2	708	708	-1		1800	1800	39		129	0.00	60
	C	**1**	465	465	0		2100	490	95	✓	-5	0.00	13
		2	399	399	0		2200	513	78		16	0.00	13
		3	143	143	0		2050	478	30		201	0.00	13
	Cf	**1**	465	465	0		1965	1965	24		280	0.00	60
		2	542	542	0		1965	1965	28		226	0.00	60
	D	**1**	393	393	0		2050	683	58		56	0.00	19
		2	446	446	0		1850	617	72		24	0.00	19
		3	459	459	0		2250	706	65		38	0.00	19
	Dc	**1**	733	733	0		2100	1110	66		36	0.59	31
		2	887	887	0		2100	1120	79		14	0.67	31
		3	271	271	0		2100	1120	24		272	1.01	31
		4	493	493	-1		2100	1120	44		104	1.26	31
	Dcf	**1**	1186	1186	0		2050	2050	58		56	0.74	60
		2	1464	1464	0		2100	1975	74		21	0.42	60
		3	887	887	0		2100	1566	57		59	0.67	60
		4	271	271	0		2100	2100	13		597	1.01	60
		5	493	493	-1		2100	1908	26		248	1.39	60
	Df	**1**	839	839	0		1900	1900	44		104	0.00	60
		2	459	459	0		2250	2250	20		341	0.00	60
	Dxp	**1**	1186	1186	0		2050	1435	83		9	0.67	41
		2	731	731	0		2050	1435	51		77	0.82	41
	Ec	**1**	693	693	0		2150	896	77		16	0.83	24
		2	647	647	0		2263	943	69		31	0.85	24
		3	607	607	0		2263	943	64		40	0.87	24
		4	370	370	-1		2250	938	39		128	1.24	24
		1	826	826	0		2100	1571	53		71	0.91	60

16:30-17:30	Ecf	2	1187	1187	0		2100	1978	60		50	0.71	60
		3	647	647	0		2263	2263	29		215	0.85	60
		4	1022	1022	-1		2300	1453	70		28	0.97	60
	Ef	1	797	797	0		1900	1900	42		115	0.00	60
		2	584	584	0		1900	1900	31		193	0.00	60
	Exp	1	826	826	0		2050	1401	59		53	0.81	40
		2	494	494	0		2050	1401	35		155	1.12	40
	F	1	219	219	0		2100	560	39		130	0.00	15
		2	269	269	0		2100	560	48		87	0.00	15
		3	442	442	1		2100	560	79		14	0.00	15
	Fc	1	742	742	0		2263	1358	55		65	1.01	35
		2	698	698	0		2263	1308	53		69	0.99	35
		3	875	875	-1		2263	1357	64		40	0.84	35
	Ff	1	488	488	0		1900	1900	26		250	0.00	60
		2	442	442	1		1900	1900	23		287	0.00	60
	G	1	262	262	34	✓	2050	262	100	✓	-10	1.08	13
		2	302	302	31	✓	2050	302	100	✓	-10	0.83	13
	Gf	1	261	258	31	✓	2050	258	101	✓	-11	1.34	60
		2	273	261	19	✓	2050	261	105	✓	-14	1.26	60
	xA	1	871	871	0		2263	2263	38		134	0.89	60
		2	752	752	0		2263	2263	33		171	1.16	60
	xB	1	1722	1722	-1		Unrestricted	Unrestricted	0		Unrestricted	0.30	60
	xC	1	650	650	33	✓	1900	650	100	✓	-10	0.74	60
		2	650	650	30	✓	1900	650	100	✓	-10	0.78	60
	xD	1	1186	1186	0		Unrestricted	Unrestricted	0		Unrestricted	0.61	60
		2	731	731	0		Unrestricted	Unrestricted	0		Unrestricted	0.75	60
	xE	1	826	826	0		Unrestricted	Unrestricted	0		Unrestricted	0.88	60
		2	494	494	0		Unrestricted	Unrestricted	0		Unrestricted	1.16	60
	xF	1	799	799	0		Unrestricted	Unrestricted	0		Unrestricted	0.80	60
	Cc1	1	736	736	-2	✓	2050	1128	65		38	1.01	32
	E1	1	292	292	0		2050	888	33		174	0.00	25
		2	505	505	0		2200	953	53		70	0.00	25
	Gf1	1	45	45	0		674	228	20		355	1.30	60
	Cc2	2	1094	1094	0		2150	1178	93	✓	-3	0.59	33
		3	694	694	0		2050	1162	60		51	0.80	33
		4	1156	1156	0		2150	1213	95	✓	-6	0.56	33
		5	350	350	-1		2050	1162	30		199	1.60	33
	E2	3	292	261	0		2150	527	55		62	0.00	25
		4	292	273	0		2050	617	47		90	0.00	25
	TC5	2	680	680	0		2263	1546	44		105	0.87	39
		3	752	752	0		2263	1546	49		85	1.16	39
		4	0	0	0		0	0	0		-100	0.00	0
	TC9	1	1081	1081	-1		1925	1380	78		15	0.00	40
		2	642	642	0		1966	1409	46		98	0.00	40
		3	635	635	0		1947	1395	46		98	0.00	40
	TC35	1	191	191	0		1900	1298	15		512	1.13	39
	TC36	1	552	552	-1		1800	1800	31		193	0.00	60
	TC37	1	107	107	0		1850	1418	8		1093	0.00	45
	TC38	1	107	107	0		430	430	25		261	0.47	60
	TC39	2	680	680	0		2263	2263	30		200	1.05	60
		3	752	752	0		2263	2263	33		171	1.23	60
	TC40	2	787	787	0		Unrestricted	Unrestricted	0		Unrestricted	0.74	60
		3	752	752	0		Unrestricted	Unrestricted	0		Unrestricted	1.11	60
	TC41	1	222	222	0		1850	247	90		0	0.00	7
		2	223	223	-1		1850	247	90	✓	0	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	63	✓	1300	1300	100	✓	-10	0.00	60

	48	1	1007	1007	0		1965	1965	51		76	0.00	60
	49	1	1081	1081	-1		1900	1900	57		58	0.00	60
		2	1277	1277	0		1900	1900	67		34	0.00	60
	50	1	1327	1327	-2	✓	1900	1900	70		29	0.00	60
	51	1	930	930	1		1900	1900	49		84	0.00	60

Traffic Stream Results: Stops and delays

Time Segment	Arm	Traffic Stream	Mean Cruise Time per Veh (s)	Mean Delay per Veh (s)	Total delay (PCU-hr/hr)	Weighted cost of delay (£ per hr)	Mean stops per Veh (%)	Total stops (Stops per hr)	Weighted cost of stops (£ per hr)
	A	1	5.59	25.86	6.41	91.00	86.54	771.94	24.78
		2	5.77	8.41	0.96	13.63	43.45	178.59	5.73
		3	5.90	11.40	2.03	28.87	56.58	363.24	11.66
		4	6.03	23.85	5.68	80.71	95.58	820.08	26.32
	Ac	1	7.19	60.71	14.00	198.77	144.74	1201.36	38.56
		2	9.50	1.89	0.14	1.97	18.11	47.80	0.82
		3	6.60	6.08	0.89	12.66	21.72	114.66	3.68
	Acf	1	5.22	0.74	0.23	3.21	0.00	0.00	0.00
		2	7.24	0.24	0.04	0.50	0.00	0.00	0.00
	Af	1	6.42	1.66	0.60	8.51	4.10	53.42	0.67
		2	6.36	0.40	0.07	1.01	0.00	0.00	0.00
		3	6.33	0.63	0.15	2.14	0.00	0.00	0.00
	B	1	7.10	30.29	2.23	31.66	96.57	255.90	8.21
		2	7.29	49.07	4.83	68.52	127.58	451.63	14.50
		3	7.48	49.13	4.89	69.37	125.76	450.22	14.45
		4	12.29	46.37	4.51	64.01	125.17	438.09	5.49
	Bc	1	11.96	7.10	1.50	21.34	49.42	376.55	8.39
		2	11.83	11.22	3.09	43.81	65.21	645.58	14.39
		3	11.71	10.79	2.85	40.47	78.63	747.80	16.67
	Bcf	1	4.34	2.51	1.20	17.07	0.00	0.00	0.00
		2	5.44	0.40	0.09	1.21	0.00	0.00	0.00
		3	5.67	0.62	0.17	2.41	0.00	0.00	0.00
		4	6.33	0.58	0.15	2.18	0.97	9.21	0.17
	Bf	1	27.34	0.52	0.09	1.28	0.00	0.00	0.00
		2	27.41	0.65	0.13	1.81	0.00	0.00	0.00
	C	1	14.54	67.25	8.69	123.35	153.20	712.39	8.93
		2	14.68	33.48	3.71	52.69	108.11	431.35	5.41
		3	14.92	20.58	0.82	11.61	82.65	118.19	1.48
	Cf	1	17.35	0.28	0.04	0.52	0.00	0.00	0.00
		2	17.50	0.35	0.05	0.75	0.00	0.00	0.00
	D	1	4.13	20.05	2.19	31.08	78.59	308.86	9.91
		2	4.13	25.06	3.10	44.08	86.16	384.29	12.34
		3	3.97	21.98	2.80	39.79	81.60	374.55	12.02
	Dc	1	3.80	10.97	2.23	31.73	52.53	385.07	12.36
		2	3.65	16.83	4.15	58.89	57.00	505.62	16.23
		3	3.51	11.29	0.85	12.07	46.35	125.60	4.03
		4	3.36	21.94	3.00	42.66	80.60	397.34	12.75
	Dcf	1	4.95	1.20	0.40	5.63	0.00	0.00	0.00
		2	4.94	2.85	1.16	16.48	8.23	120.56	3.87
		3	5.37	3.38	0.83	11.82	25.23	223.79	6.86
		4	6.61	0.13	0.01	0.14	0.00	0.00	0.00
		5	5.02	0.93	0.13	1.81	16.74	82.52	2.65
	Df	1	24.00	0.75	0.17	2.48	0.00	0.00	0.00
		2	24.00	0.20	0.03	0.37	0.00	0.00	0.00
	Dxp	1	3.50	6.62	2.18	30.99	16.93	200.83	6.45
		2	3.65	1.36	0.28	3.93	2.74	20.00	0.64
	Ec	1	3.76	15.78	3.04	43.15	69.12	478.98	15.37
		2	3.63	15.00	2.70	38.28	54.81	354.64	11.38
		3	3.51	20.04	3.38	47.97	74.37	451.42	14.49

16:30-17:30		4	3.44	5.14	0.53	7.51	15.72	58.16	1.87
	Ecf	1	3.45	6.13	1.41	19.97	37.77	311.94	10.01
		2	3.48	1.47	0.48	6.88	5.83	69.24	2.22
		3	3.52	0.32	0.06	0.81	0.00	0.00	0.00
		4	3.93	4.78	1.36	19.28	15.25	155.83	4.79
	Ef	1	15.31	0.68	0.15	2.15	0.00	0.00	0.00
		2	15.31	0.42	0.07	0.97	0.00	0.00	0.00
	Exp	1	3.89	9.59	2.20	31.23	52.52	433.83	13.93
		2	4.03	11.28	1.55	21.98	83.76	413.77	13.28
	F	1	6.38	20.08	1.22	17.34	79.99	175.18	5.62
		2	6.43	21.47	1.60	22.79	81.53	219.32	7.04
		3	6.54	32.05	3.93	55.87	99.17	438.34	14.07
	Fc	1	19.07	4.23	0.87	12.37	46.99	348.68	5.83
		2	18.89	7.11	1.38	19.57	76.44	533.56	8.91
		3	19.55	6.83	1.66	23.59	30.36	265.61	4.10
	Ff	1	33.09	0.33	0.04	0.63	0.00	0.00	0.00
		2	33.05	0.29	0.04	0.50	0.00	0.00	0.00
	G	1	16.06	428.90	31.21	443.25	447.11	1171.42	19.99
		2	11.45	357.21	29.97	425.52	370.42	1118.66	35.91
	Gf	1	2.92	146.59	10.63	150.93	223.46	576.54	18.51
		2	2.88	178.75	13.56	192.54	245.81	641.57	20.59
	xA	1	17.22	0.50	0.12	1.71	0.00	0.00	0.00
		2	17.25	0.40	0.08	1.17	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	129.54	23.39	332.12	123.54	803.00	25.78
		2	8.70	128.18	23.14	328.65	125.76	817.43	26.24
	xD	1	9.13	0.00	0.00	0.00	0.00	0.00	0.00
		2	9.21	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	13.04	0.00	0.00	0.00	0.00	0.00	0.00
		2	13.04	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	12.19	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	6.54	9.38	1.92	27.23	55.41	407.81	16.06
	E1	1	6.00	12.24	0.99	14.09	61.51	179.61	5.77
		2	6.00	14.64	2.05	29.16	67.37	340.19	10.92
	Gf1	1	3.69	12.51	0.16	2.22	59.91	26.96	0.87
	Cc2	2	6.66	27.86	8.47	120.23	109.67	1199.75	42.99
		3	7.02	7.85	1.51	21.49	29.91	207.56	6.47
		4	6.44	36.89	11.85	168.23	101.03	1167.90	42.20
		5	7.98	0.67	0.06	0.92	0.00	0.00	0.00
	E2	3	4.00	17.45	1.42	20.10	81.39	212.47	6.82
		4	4.07	14.91	1.21	17.18	72.41	197.73	6.35
	TC5	2	2.76	3.41	0.64	9.14	26.08	177.32	2.22
		3	2.76	1.83	0.38	5.44	7.54	56.67	0.71
		4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	11.00	10.15	3.05	43.28	58.43	631.64	7.92
		2	11.05	4.65	0.83	11.77	36.73	235.79	2.96
		3	11.12	4.65	0.82	11.65	36.73	233.24	2.92
	TC35	1	2.90	2.34	0.12	1.76	29.70	56.72	0.71
	TC36	1	3.03	0.44	0.07	0.96	0.00	0.00	0.00
	TC37	1	3.19	1.85	0.06	0.78	23.51	25.15	0.88
	TC38	1	1.53	3.19	0.09	1.35	34.10	36.48	1.27
	TC39	2	2.54	0.34	0.06	0.92	0.00	0.00	0.00
		3	2.40	0.40	0.08	1.17	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	75.34	4.65	65.97	157.84	350.40	12.20
		2	3.97	76.82	4.76	67.57	159.44	355.54	12.38
	TC42	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	TC43	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	47	1	16.04	48.58	17.54	249.09	0.00	0.00	0.00
	48	1	6.61	0.96	0.27	3.82	0.00	0.00	0.00
	49	1	3.15	1.25	0.37	5.32	0.00	0.00	0.00
		2	3.15	1.93	0.69	9.74	0.00	0.00	0.00
	50	1	5.78	2.18	0.80	11.42	0.00	0.00	0.00
	51	1	4.50	0.91	0.23	3.33	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	14.02	12.96	108.15	0.00	0.00	
		2	0.00	2.93	13.37	21.88	0.00	0.00	
		3	0.00	9.89	13.67	72.35	0.00	0.00	
		4	0.00	14.61	13.97	104.58	0.00	0.00	
	Ac	1	0.00	21.44	16.66	128.70	0.00	1.00	
		2	0.00	2.02	16.06	12.60	0.00	9.21	
		3	0.00	2.80	15.30	18.33	0.00	4.19	
	Acf	1	0.00	0.23	12.10	1.87	0.00	13.00	
		2	0.00	0.04	12.25	0.29	0.00	30.00	
	Af	1	0.00	2.13	9.31	22.89	0.00	9.78	
		2	0.00	0.07	9.21	0.77	0.00	17.00	
		3	0.00	0.15	9.17	1.64	0.00	9.00	
	B	1	0.00	4.29	16.46	26.03	0.00	0.13	
		2	0.00	7.71	16.90	45.59	0.00	0.63	
		3	0.00	7.78	17.34	44.90	0.00	0.24	
		4	0.00	7.51	17.81	42.14	0.00	0.00	
	Bc	1	0.00	6.49	23.10	28.09	0.00	7.00	
		2	0.00	11.46	22.87	50.10	0.00	4.07	
		3	0.00	20.34	22.63	89.89	0.00	3.09	
	Bcf	1	0.00	1.20	10.90	11.03	0.00	9.00	
		2	0.00	0.09	10.98	0.78	0.00	14.00	
		3	0.00	0.17	10.84	1.57	0.00	12.00	
		4	0.00	1.90	10.83	17.59	0.00	15.19	
	Bf	1	0.00	0.09	39.62	0.23	0.00	0.00	
		2	0.00	0.13	39.73	0.32	0.00	0.00	
	C	1	0.00	13.06	21.07	62.01	0.00	0.00	
		2	0.00	7.30	21.28	34.30	0.00	0.00	
		3	0.00	1.97	21.63	9.11	0.00	0.00	
	Cf	1	0.00	0.04	25.15	0.15	0.00	0.00	
		2	0.00	0.05	25.37	0.21	0.00	0.00	
	D	1	0.00	5.28	9.57	55.17	0.00	0.00	
		2	0.00	6.45	9.57	67.45	0.00	0.00	
		3	0.00	6.26	9.20	68.10	0.00	1.18	
	Dc	1	0.00	6.42	8.81	72.89	0.00	4.28	
		2	0.00	8.41	8.47	99.27	0.00	5.00	
		3	0.00	2.36	8.14	28.98	0.00	8.00	
		4	0.00	6.41	7.80	82.28	0.00	14.00	
	Dcf	1	0.00	0.40	11.47	3.45	0.00	12.00	
		2	0.00	3.60	11.46	31.41	0.00	14.57	
		3	0.00	5.04	11.93	42.24	0.00	20.25	
		4	0.00	0.01	11.60	0.08	0.00	23.00	
		5	0.00	2.41	11.64	20.71	0.00	39.49	
	Df	1	0.00	0.17	34.78	0.50	0.00	0.00	
		2	0.00	0.03	34.78	0.08	0.00	0.00	
	Dxp	1	0.00	3.48	8.11	42.96	0.00	1.00	
		2	0.00	0.34	8.46	4.06	0.00	4.00	
		1	0.00	7.90	8.71	90.67	0.00	0.00	

16:30-17:30	Ec	2	0.00	5.81	8.42	68.98	0.00	3.00	
		3	0.00	7.53	8.13	92.59	0.00	0.00	
		4	0.00	2.45	7.99	30.64	0.00	6.00	
	Ecf	1	0.00	5.47	7.99	68.42	0.00	19.11	
		2	0.00	2.77	8.06	34.32	0.00	14.49	
		3	0.00	0.06	8.16	0.70	0.00	16.00	
		4	0.00	3.35	8.76	38.24	0.00	26.10	
	Ef	1	0.00	0.15	22.18	0.68	0.00	0.00	
		2	0.00	0.07	22.18	0.31	0.00	0.00	
	Exp	1	0.00	7.27	9.01	80.67	0.00	0.00	
		2	0.00	7.31	9.34	78.28	0.00	22.00	
	F	1	0.00	2.93	14.80	19.76	0.00	0.00	
		2	0.00	3.66	14.91	24.54	0.00	0.00	
		3	0.00	7.38	15.17	48.61	0.00	0.00	
	Fc	1	0.00	7.08	31.86	22.21	0.00	6.00	
		2	0.00	10.43	31.56	33.06	0.00	7.32	
		3	0.00	4.42	31.35	14.08	0.00	6.02	
	Ff	1	0.00	0.04	47.95	0.09	0.00	0.00	
		2	0.00	0.04	47.89	0.07	0.00	0.00	
	G	1	0.00	34.68	27.16	127.69	0.00	6.33	
		2	0.00	33.72	26.54	127.05	0.00	5.16	
	Gf	1	0.00	12.99	6.76	192.00	0.00	52.45	
		2	0.00	15.86	6.69	237.24	0.00	52.36	
	xA	1	0.00	0.12	39.94	0.30	0.00	14.00	
		2	0.00	0.08	39.99	0.21	0.00	24.00	
	xB	1	0.00	0.00	13.42	0.00	0.00	0.00	
	xC	1	0.00	29.99	20.10	149.17	0.00	39.47	
		2	0.00	29.95	20.17	148.47	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	16.00	
	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	10.89	16.67	65.32	0.00	8.00	
	E1	1	0.00	3.01	13.91	21.61	0.00	0.00	
		2	0.00	5.71	13.91	41.04	0.00	0.00	
	Gf1	1	0.00	0.61	8.57	7.10	0.00	52.95	
	Cc2	2	0.00	17.95	15.93	112.69	0.00	1.12	
		3	0.00	3.46	15.52	22.28	0.00	6.00	
		4	0.00	21.08	15.47	136.26	0.00	0.16	
		5	0.00	0.06	15.42	0.42	0.00	22.00	
	E2	3	0.00	3.30	9.27	35.58	0.00	11.29	
		4	0.00	3.15	9.45	33.32	0.00	7.93	
	TC5	2	0.00	2.96	4.01	73.81	0.00	10.00	
		3	0.00	1.68	4.00	41.94	0.00	15.00	
		4	0.00	0.00	4.25	0.00	0.00	0.00	
	TC9	1	0.00	11.62	15.95	72.83	0.00	0.00	
		2	0.00	3.94	16.02	24.57	0.00	0.00	
		3	0.00	3.90	16.12	24.16	0.00	0.00	
	TC35	1	0.00	1.46	4.20	34.80	0.00	16.00	
	TC36	1	0.00	0.07	4.39	1.55	0.00	0.00	
	TC37	1	0.00	0.42	7.71	5.44	0.00	0.00	
	TC38	1	0.00	2.46	3.71	66.26	0.00	0.00	
	TC39	2	0.00	0.06	6.13	1.05	0.00	29.00	
		3	0.00	0.08	5.79	1.43	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	6.40	9.50	67.34	0.00	0.00	
		2	0.00	6.52	9.58	68.04	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	0.27	9.59	2.80	0.00	0.00	
	49	1	0.00	0.37	4.56	8.21	0.00	0.00	
		2	0.00	0.69	4.56	15.03	0.00	0.00	
	50	1	0.00	0.80	8.37	9.61	0.00	0.00	
	51	1	0.00	0.23	6.52	3.60	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	✓	14.18	3.88	10.19	1.00	0.00	115.78
		2	0.00	0.00	✓	2.93	0.15	2.74	1.00	0.00	19.37
		3	0.00	0.00	✓	9.89	0.59	3.66	1.00	0.00	40.53
		4	0.00	0.00	✓	14.68	2.72	10.11	1.00	0.00	107.03
	Ac	1	0.00	0.00	✓	22.57	8.47	21.61	1.00	0.00	237.33
		2	0.00	0.00	✓	2.02	0.09	0.09	1.00	0.00	2.79
		3	0.00	0.00	✓	2.80	0.49	1.92	1.00	0.00	16.34
	Acf	1	0.00	0.00	✓	0.23			1.00	0.00	3.21
		2	0.00	0.00	✓	0.04			1.00	0.00	0.50
	Af	1	0.00	0.00	✓	2.13			1.00	0.00	9.18
		2	0.00	0.00	✓	0.07			1.00	0.00	1.01
		3	0.00	0.00	✓	0.15			1.00	0.00	2.14
	B	1	0.00	0.00	✓	4.29	0.61	4.22	1.00	0.00	39.88
		2	0.00	0.00	✓	7.85	2.71	7.61	1.00	0.00	83.02
		3	0.00	0.00	✓	7.93	2.72	7.68	1.00	0.00	83.82
		4	0.00	0.00	✓	7.61	2.36	7.32	1.00	0.00	69.50
	Bc	1	0.00	0.00	✓	6.49	0.42	5.51	1.00	0.00	29.73
		2	0.00	0.00	✓	11.46	1.23	8.29	1.00	0.00	58.20
		3	0.00	0.00	✓	20.34	1.01	6.42	1.00	0.00	57.14
	Bcf	1	0.00	0.00	✓	1.21			1.00	0.00	17.07
		2	0.00	0.00	✓	0.09			1.00	0.00	1.21
		3	0.00	0.00	✓	0.17			1.00	0.00	2.41
		4	0.00	0.00	✓	1.90			1.00	0.00	2.35
	Bf	1	0.00	0.00	✓	0.09			1.00	0.00	1.28
		2	0.00	0.00	✓	0.13			1.00	0.00	1.81
	C	1	0.00	0.00	✓	14.06	6.75	13.21	1.00	0.00	132.29
		2	0.00	0.00	✓	7.32	1.33	6.76	1.00	0.00	58.10
		3	0.00	0.00	✓	1.97	0.06	1.93	1.00	0.00	13.09
	Cf	1	0.00	0.00	✓	0.04			1.00	0.00	0.52
		2	0.00	0.00	✓	0.05			1.00	0.00	0.75
	D	1	0.00	0.00	✓	5.28	0.39	4.91	1.00	0.00	40.99
		2	0.00	0.00	✓	6.46	0.94	6.13	1.00	0.00	56.42
		3	0.00	0.00	✓	6.26	0.60	5.95	1.00	0.00	51.81
	Dc	1	0.00	0.00	✓	6.43	0.64	5.09	1.00	0.00	44.09
		2	0.00	0.00	✓	8.43	1.49	8.40	1.00	0.00	75.12
		3	0.00	0.00	✓	2.36	0.04	2.09	1.00	0.00	16.10
		4	0.00	0.00	✓	6.42	0.17	6.01	1.00	0.00	55.41
	Dcf	1	0.00	0.00	✓	0.40			1.00	0.00	5.63
		2	0.00	0.00	✓	3.60			1.00	0.00	20.35
		3	0.00	0.00	✓	5.04			1.00	0.00	18.68
		4	0.00	0.00	✓	0.01			1.00	0.00	0.14
		5	0.00	0.00	✓	2.41			1.00	0.00	4.46

16:30-17:30	Df	1	0.00	0.00	✓	0.17			1.00	0.00	2.48
		2	0.00	0.00	✓	0.03			1.00	0.00	0.37
	Dxp	1	0.00	0.00	✓	3.50	1.95	3.49	1.00	0.00	37.43
		2	0.00	0.00	✓	0.34	0.26	0.34	1.00	0.00	4.57
	Ec	1	0.00	0.00	✓	7.91	1.31	7.27	1.00	0.00	58.52
		2	0.00	0.00	✓	5.81	0.75	5.66	1.00	0.00	49.66
		3	0.00	0.00	✓	7.53	0.58	7.53	1.00	0.00	62.46
		4	0.00	0.00	✓	2.45	0.13	0.97	1.00	0.00	9.37
	Ecf	1	0.00	0.00	✓	5.47			1.00	0.00	29.98
		2	0.00	0.00	✓	2.77			1.00	0.00	9.10
		3	0.00	0.00	✓	0.06			1.00	0.00	0.81
		4	0.00	0.00	✓	3.35			1.00	0.00	24.07
	Ef	1	0.00	0.00	✓	0.15			1.00	0.00	2.15
		2	0.00	0.00	✓	0.07			1.00	0.00	0.97
	Exp	1	0.00	0.00	✓	7.27	0.42	7.14	1.00	0.00	45.16
		2	0.00	0.00	✓	7.31	0.10	6.15	1.00	0.00	35.26
	F	1	0.00	0.00	✓	2.93	0.13	2.86	1.00	0.00	22.97
		2	0.00	0.00	✓	3.66	0.22	3.58	1.00	0.00	29.83
		3	0.00	0.00	✓	7.40	1.45	7.10	1.00	0.00	69.94
	Fc	1	0.00	0.00	✓	7.08	0.33	4.70	1.00	0.00	18.20
		2	0.00	0.00	✓	10.43	0.30	5.61	1.00	0.00	28.48
		3	0.00	0.00	✓	4.42	0.58	4.38	1.00	0.00	27.69
	Ff	1	0.00	0.00	✓	0.04			1.00	0.00	0.63
		2	0.00	0.00	✓	0.04			1.00	0.00	0.50
	G	1	0.00	0.00		38.02	31.53	38.00	1.00	0.00	463.24
		2	0.00	0.00		37.31	30.70	37.15	1.00	0.00	461.42
	Gf	1	0.00	0.00		17.15			1.00	0.00	169.44
		2	0.00	0.00		23.23			1.00	0.00	213.13
	xA	1	0.00	0.00	✓	0.12			1.00	0.00	1.71
		2	0.00	0.00	✓	0.08			1.00	0.00	1.17
	xB	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	xC	1	0.00	0.00		35.26			1.00	0.00	357.90
		2	0.00	0.00		35.22			1.00	0.00	354.89
	xD	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
		2	0.00	0.00	✓	0.00			1.00	0.00	0.00
	xE	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
		2	0.00	0.00	✓	0.00			1.00	0.00	0.00
	xF	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	Cc1	1	0.00	0.00	✓	10.89	0.61	6.23	1.00	0.00	43.29
	E1	1	0.00	0.00	✓	3.01	0.08	2.92	1.00	0.00	19.86
		2	0.00	0.00	✓	5.71	0.30	5.33	1.00	0.00	40.08
	Gf1	1	0.00	0.00		0.61			1.00	0.00	3.09
	Cc2	2	0.00	0.00	✓	18.29	5.59	13.35	1.00	0.00	163.22
		3	0.00	0.00	✓	3.46	0.44	3.45	1.00	0.00	27.96
		4	0.00	0.00	✓	21.94	8.34	17.70	1.00	0.00	210.44
		5	0.00	0.00	✓	0.06	0.06	0.06	1.00	0.00	0.92
	E2	3	0.00	0.00		3.30	0.89	3.21	1.00	0.00	26.92
		4	0.00	0.00		3.15	0.54	3.06	1.00	0.00	23.52
	TC5	2	0.00	0.00	✓	2.96	0.17	2.92	1.00	0.00	11.36
		3	0.00	0.00	✓	1.68	0.23	0.95	1.00	0.00	6.15
		4	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC9	1	0.00	0.00	✓	11.63	1.41	7.67	1.00	0.00	51.20
		2	0.00	0.00	✓	3.94	0.19	3.57	1.00	0.00	14.72
		3	0.00	0.00	✓	3.90	0.19	3.53	1.00	0.00	14.58
	TC35	1	0.00	0.00	✓	1.46	0.01	0.95	1.00	0.00	2.47
	TC36	1	0.00	0.00	✓	0.07			1.00	0.00	0.96
	TC37	1	0.00	0.00	✓	0.42	0.00	0.42	1.00	0.00	1.66
	TC38	1	0.00	0.00	✓	2.46			1.00	0.00	2.62

	TC39	2	0.00	0.00	✓	0.06			1.00	0.00	0.92
		3	0.00	0.00	✓	0.08			1.00	0.00	1.17
	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	✓	6.78	3.44	6.71	1.00	0.00	78.18
		2	0.00	0.00	✓	6.93	3.58	6.86	1.00	0.00	79.95
	TC42	1	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC43	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	47	1	0.00	0.00		25.00			1.00	0.00	249.09
	48	1	0.00	0.00	✓	0.27			1.00	0.00	3.82
	49	1	0.00	0.00	✓	0.38			1.00	0.00	5.32
		2	0.00	0.00	✓	0.69			1.00	0.00	9.74
	50	1	0.00	0.00	✓	0.81			1.00	0.00	11.42
	51	1	0.00	0.00	✓	0.23			1.00	0.00	3.33

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	15/07/2021 21:58:40	15/07/2021 21:58:54	16:30	60	5298.05	318.67	104.63	Gf/2	13	9	TC5/4	Gf/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	105	-100	75039	4787	15.29	4525.04	773.00	5298.05

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	75039	74974	218	✓	105	✓	-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	8.30	15.29	318.67	4525.04	36.42	27253.11	773.00

Network Results: Queues and blocking

Time Segment	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))
16:30-17:30	237.24	0.00	1037.02

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	5298.05

Point to Point Journey Time

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	296.6	292.0	139.4	191.2	190.7	222.2	233.0	0.0
	B28	223.8	0.0	141.2	138.2	155.3	159.8	167.8	0.0
	C28	178.0	623.5	0.0	80.2	72.4	111.2	119.8	0.0
	D28	138.0	329.1	181.7	0.0	233.5	91.5	100.6	0.0
	E28	148.2	814.6	191.1	46.4	0.0	90.1	96.9	0.0
	F28	140.1	348.7	202.1	237.8	238.9	0.0	17.5	0.0
	G28	77.1	287.3	144.0	170.1	179.6	192.1	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	350	177.77	350	177.77

24	C28	C28	0	0.00	0	0.00
25	C28	C28	0	0.00	0	0.00
32	C28	E28	93	72.40	93	72.40
36	C28	E28	0	0.00	0	0.00
41	E28	A28	419	148.94	419	148.94
42	E28	C28	43	187.39	43	187.39
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	300	80.17	300	80.17
50	E28	D28	106	46.41	106	46.41
68	E28	G28	85	97.83	85	97.83
91	C28	F28	21	111.24	21	111.24
92	E28	F28	10	90.15	10	90.15
96	A28	C28	71	148.70	71	148.70
97	G28	D28	0	0.00	0	0.00
98	G28	E28	0	0.00	0	0.00
99	C28	B28	41	617.52	41	617.52
100	E28	B28	292	791.94	292	791.94
101	E28	E28	0	0.00	0	0.00
102	A28	C28	215	129.95	215	129.95
103	F28	B28	0	0.00	0	0.00
104	C28	G28	314	118.89	314	118.89
105	D28	H28	0	0.00	0	0.00
106	G28	C28	460	137.71	460	137.71
107	A28	B28	25	291.87	25	291.87
108	B28	G28	125	168.18	125	168.18
109	C28	G28	64	119.63	64	119.63
110	E28	G28	67	95.61	67	95.61
111	B28	G28	19	167.26	19	167.26
112	F28	G28	107	17.47	107	17.47
113	F28	A28	157	140.09	157	140.09
114	C28	H28	0	0.00	0	0.00
115	B28	C28	4	137.47	4	137.47
117	H28	H28	0	0.00	0	0.00
121	A28	A28	2	295.80	2	295.80
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	26	187.62	26	187.62
130	G28	C28	99	141.01	99	141.01
131	G28	E28	72	175.17	72	175.17
132	H28	C28	0	0.00	0	0.00
133	H28	E28	0	0.00	0	0.00
134	H28	D28	0	0.00	0	0.00
135	H28	E28	0	0.00	0	0.00
136	E28	E28	0	0.00	0	0.00
137	H28	G28	0	0.00	0	0.00
138	H28	G28	0	0.00	0	0.00
139	D28	E28	1	238.36	1	238.36
140	D28	D28	0	0.00	0	0.00
141	D28	E28	1	243.57	1	243.57
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	684.84	4	684.84
150	E28	B28	292	837.17	292	837.17
151	B28	A28	0	0.00	0	0.00
152	H28	B28	0	0.00	0	0.00
153	F28	B28	39	348.66	39	348.66
154	E28	A28	24	135.54	24	135.54
155	E28	C28	0	0.00	0	0.00
156	C28	G28	60	125.53	60	125.53
157	H28	B28	0	0.00	0	0.00
158	B28	D28	165	138.22	165	138.22
159	B28	E28	108	127.54	108	127.54
160	B28	G28	94	167.45	94	167.45
161	B28	F28	13	159.80	13	159.80
162	B28	H28	0	0.00	0	0.00
163	B28	A28	18	223.81	18	223.81
164	B28	B28	0	0.00	0	0.00
165	B28	B28	0	0.00	0	0.00
166	B28	C28	92	141.33	92	141.33
167	B28	E28	369	163.42	369	163.42
168	G28	A28	735	77.06	735	77.06
169	G28	B28	148	288.42	148	288.42
170	G28	B28	148	286.11	148	286.11
171	G28	H28	0	0.00	0	0.00
172	F28	D28	85	237.84	85	237.84
173	F28	E28	44	227.93	44	227.93
174	F28	F28	0	0.00	0	0.00
175	G28	C28	324	156.01	324	156.01
176	G28	E28	105	194.53	105	194.53
177	G28	D28	120	168.47	120	168.47
178	G28	E28	57	157.76	57	157.76
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	25	292.16	25	292.16
186	A28	C28	100	153.08	100	153.08
187	A28	E28	130	204.43	130	204.43
195	D28	G28	140	100.82	140	100.82
196	D28	F28	59	91.52	59	91.52
197	D28	G28	20	98.82	20	98.82
198	D28	A28	5	137.97	5	137.97
199	D28	B28	132	326.52	132	326.52
200	D28	B28	132	326.24	132	326.24
201	D28	C28	229	180.11	229	180.11
204	D28	C28	80	184.56	80	184.56
205	D28	E28	12	236.86	12	236.86
206	D28	D28	0	0.00	0	0.00
207	D28	E28	1	188.44	1	188.44
210	A28	G28	346	233.53	346	233.53
211	A28	H28	0	0.00	0	0.00
212	A28	D28	12	191.16	12	191.16
213	A28	E28	230	178.46	230	178.46
214	G28	G28	0	0.00	0	0.00
215	G28	F28	29	192.08	29	192.08
218	A28	G28	47	229.82	47	229.82
219	A28	F28	59	222.18	59	222.18
220	H28	F28	0	0.00	0	0.00

222	A28	D28	0	0.00	0	0.00
223	A28	E28	53	210.13	53	210.13
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	229.63	10	229.63
232	A28	H28	0	0.00	0	0.00
233	B28	H28	0	0.00	0	0.00
234	C28	G28	41	118.70	41	118.70
235	E28	G28	0	0.00	0	0.00
236	E28	H28	0	0.00	0	0.00
238	D28	B28	44	337.53	44	337.53
239	D28	B28	43	337.23	43	337.23
240	G28	C28	50	129.25	50	129.25
241	E28	C28	0	0.00	0	0.00
242	H28	C28	0	0.00	0	0.00
243	G28	D28	11	187.61	11	187.61
244	G28	E28	0	0.00	0	0.00
245	C28	C28	0	0.00	0	0.00
246	E28	C28	43	194.91	43	194.91
247	E28	E28	0	0.00	0	0.00
248	D28	C28	31	185.64	31	185.64
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	297.32	2	297.32
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	185.64	10	185.64
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	50	209.69	50	209.69
269	F28	E28	44	249.96	44	249.96
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)
	1	(untitled)	6	771-2	E	892 <	2050	28	0.00	90	0	31.45	25.86	86.54	14.02 +
A	3	(untitled)	6	771-2	E	642	2050	28	0.00	65	39	17.30	11.40	56.58	9.89
	4	(untitled)	6	771-2	E	858 <	2050	28	0.00	87	4	29.87	23.85	95.58	14.61 +
Ac	1	(untitled)	6	771-2	D	830 <	2263	22	1.00	96	-6	67.90	60.71	144.74	21.44 +
	2	(untitled)	6	771-2	D	264	2263	22	9.21	34	167	11.39	1.89	18.11	2.02
	3	(untitled)	6	771-2	D	528	2263	22	4.19	61	47	12.68	6.08	21.72	2.80
Acf	1	(untitled)	6			1094	2263	60	13.00	48	86	5.96	0.74	0.00	0.23
	2	(untitled)	6			528	2263	60	30.00	23	286	7.49	0.24	0.00	0.04
Af	1	(untitled)	6			1303	2050	60	9.78	64	40	8.08	1.66	4.10	2.13
	2	(untitled)	6			642	2050	60	17.00	31	187	6.76	0.40	0.00	0.07
	3	(untitled)	6			858	2050	60	9.00	42	115	6.96	0.63	0.00	0.15
B	1	(untitled)	1	769-1	B	265	2050	11	0.13	65	38	37.39	30.29	96.57	4.29
	2	(untitled)	1	769-1	B	354	2150	11	0.63	87	4	56.36	49.07	127.58	7.71
	3	(untitled)	1	769-1	B	358	2100	11	0.24	87	3	56.60	49.13	125.76	7.78
	4	(untitled)	1	769-1	B	350	2050	11	0.00	85	5	58.66	46.37	125.17	7.51
Bc	1	(untitled)	1	769-1	A	762	2050	37	7.00	59	53	19.06	7.10	49.42	6.49
	2	(untitled)	1	769-1	A	990	2050	37	4.07	76	18	23.05	11.22	65.21	11.46
	3	(untitled)	1	769-1	A	951	2050	37	3.09	73	23	22.50	10.79	78.63	20.34
Bcf	1	(untitled)	1			1722	2263	60	9.00	76	18	6.86	2.51	0.00	1.20
	2	(untitled)	1			762	2263	60	14.00	34	167	5.85	0.40	0.00	0.09
	3	(untitled)	1			990	2263	60	12.00	44	106	6.28	0.62	0.00	0.17
	4	(untitled)	1			951	2263	60	15.19	42	113	6.91	0.58	0.97	1.90
Bf	1	(untitled)	1			619	1800	60	0.00	34	162	27.86	0.52	0.00	0.09
	2	(untitled)	1			708	1800	60	0.00	39	129	28.06	0.65	0.00	0.13
C	1	(untitled)	2	769-2	G	465	2100	13	0.00	95	-5	81.79	67.25	153.20	13.06
	2	(untitled)	2	769-2	G	399	2200	13	0.00	78	16	48.16	33.48	108.11	7.30
	3	(untitled)	2	769-2	G	143	2050	13	0.00	30	201	35.51	20.58	82.65	1.97
Cf	1	(untitled)	2			465	1965	60	0.00	24	280	17.64	0.28	0.00	0.04
	2	(untitled)	2			542	1965	60	0.00	28	226	17.85	0.35	0.00	0.05
D	1	(untitled)	3	770-1	B	393	2050	19	0.00	58	56	24.17	20.05	78.59	5.28
	2	(untitled)	3	770-1	B	446	1850	19	0.00	72	24	29.18	25.06	86.16	6.45
	3	(untitled)	3	770-1	B	459	2250	19	1.18	65	38	25.94	21.98	81.60	6.26
Dc	1	(untitled)	3	770-1	A	733	2100	31	4.28	66	36	14.77	10.97	52.53	6.42
	2	(untitled)	3	770-1	A	887	2100	31	5.00	79	14	20.49	16.83	57.00	8.41
	3	(untitled)	3	770-1	A	271	2100	31	8.00	24	272	14.80	11.29	46.35	2.36
	4	(untitled)	3	770-1	A	493	2100	31	14.00	44	104	25.30	21.94	80.60	6.41
Dcf	1	(untitled)	3			1186	2050	60	12.00	58	56	6.15	1.20	0.00	0.40
	2	(untitled)	3			1464	2100	60	14.57	74	21	7.80	2.85	8.23	3.60
	3	(untitled)	3			887	2100	60	20.25	57	59	8.75	3.38	25.23	5.04
	4	(untitled)	3			271	2100	60	23.00	13	597	6.74	0.13	0.00	0.01
	5	(untitled)	3			493	2100	60	39.49	26	248	5.95	0.93	16.74	2.41
Df	1	(untitled)	3-2			839	1900	60	0.00	44	104	24.75	0.75	0.00	0.17
	2	(untitled)	3-2			459	2250	60	0.00	20	341	24.20	0.20	0.00	0.03
Dxp	1	(untitled)	3-2	770-2	D	1186	2050	41	1.00	83	9	10.12	6.62	16.93	3.48
	2	(untitled)	3-2	770-2	D	731	2050	41	4.00	51	77	5.01	1.36	2.74	0.34
Ec	1	(untitled)	4	770-3	F	693	2150	24	0.00	77	16	19.54	15.78	69.12	7.90
	2	(untitled)	4	770-3	F	647	2263	24	3.00	69	31	18.63	15.00	54.81	5.81
	3	(untitled)	4	770-3	F	607	2263	24	0.00	64	40	23.54	20.04	74.37	7.53
	4	(untitled)	4	770-3	F	370	2250	24	6.00	39	128	8.59	5.14	15.72	2.45
Ecf	1	(untitled)	4			826	2100	60	19.11	53	71	9.57	6.13	37.77	5.47
	2	(untitled)	4			1187	2100	60	14.49	60	50	4.95	1.47	5.83	2.77
	3	(untitled)	4			647	2263	60	16.00	29	215	3.84	0.32	0.00	0.06
	4	(untitled)	4			1022	2300	60	26.10	70	28	8.72	4.78	15.25	3.35

Ef	**1**	(untitled)	4			797	1900	60	0.00	42	115	15.99	0.68	0.00	0.15
	2	(untitled)	4			584	1900	60	0.00	31	193	15.73	0.42	0.00	0.07
Exp	**1**	(untitled)	4-2	770-4	L	826	2050	40	0.00	59	53	13.47	9.59	52.52	7.27
	2	(untitled)	4-2	770-4	L	494	2050	40	22.00	35	155	15.31	11.28	83.76	7.31
F	**1**	(untitled)	5	771-1	B	219	2100	15	0.00	39	130	26.46	20.08	79.99	2.93
	2	(untitled)	5	771-1	B	269	2100	15	0.00	48	87	27.90	21.47	81.53	3.66
	3	(untitled)	5	771-1	B	442	2100	15	0.00	79	14	38.59	32.05	99.17	7.38
Fc	**1**	(untitled)	5	771-1	A	742	2263	35	6.00	55	65	23.30	4.23	46.99	7.08
	2	(untitled)	5	771-1	A	698	2263	35	7.32	53	69	26.00	7.11	76.44	10.43
	3	(untitled)	5	771-1	A	875	2263	35	6.02	64	40	26.38	6.83	30.36	4.42
Ff	**1**	(untitled)	5			488	1900	60	0.00	26	250	33.41	0.33	0.00	0.04
	2	(untitled)	5			442	1900	60	0.00	23	287	33.33	0.29	0.00	0.04
G	**1**	(untitled)	2	769-2	F	262 <	2050	13	6.33	100	-10	444.97	428.90	447.11	34.68 +
	2	(untitled)	2	769-2	F	302 <	2050	13	5.16	100	-10	368.65	357.21	370.42	33.72 +
Gf	**1**	(untitled)	4			261 <	2050	60	52.45	101	-11	149.51	146.59	223.46	12.99 +
	2	(untitled)	4			273 <	2050	60	52.36	105	-14	181.63	178.75	245.81	15.86 +
xA	**1**	(untitled)	10			871	2263	60	14.00	38	134	17.72	0.50	0.00	0.12
	2	(untitled)	10			752	2263	60	24.00	33	171	17.64	0.40	0.00	0.08
xB	**1**	(untitled)				1722	Unrestricted	60	0.00	0	Unrestricted	5.79	0.00	0.00	0.00
xC	**1**	(untitled)				650 <	1900	60	39.47	100	-10	138.21	129.54	123.54	29.99 +
	2	(untitled)				650 <	1900	60	39.47	100	-10	136.88	128.18	125.76	29.95 +
xD	**1**	(untitled)				1186	Unrestricted	60	11.00	0	Unrestricted	9.13	0.00	0.00	0.00
	2	(untitled)				731	Unrestricted	60	16.00	0	Unrestricted	9.21	0.00	0.00	0.00
xE	**1**	(untitled)				826	Unrestricted	60	16.00	0	Unrestricted	13.04	0.00	0.00	0.00
	2	(untitled)				494	Unrestricted	60	30.00	0	Unrestricted	13.04	0.00	0.00	0.00
xF	**1**	(untitled)				799	Unrestricted	60	1.00	0	Unrestricted	12.19	0.00	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	736	2050	32	8.00	65	38	15.92	9.38	55.41	10.89
E1	**1**	(untitled)	4	770-3	G	292	2050	25	0.00	33	174	18.24	12.24	61.51	3.01
	2	(untitled)	4	770-3	G	505	2200	25	0.00	53	70	20.64	14.64	67.37	5.71
Gf1	**1**	(untitled)	4			45	674	60	52.95	20	355	16.21	12.51	59.91	0.61
Cc2	**2**	(untitled)	2	769-2	D	1094 <	2150	33	1.12	93	-3	34.52	27.86	109.67	17.95 +
	3	(untitled)	2	769-2	D	694	2050	33	6.00	60	51	14.87	7.85	29.91	3.46
	4	(untitled)	2	769-2	D	1156 <	2150	33	0.16	95	-6	43.33	36.89	101.03	21.08 +
	5	(untitled)	2	769-2	D	350	2050	33	22.00	30	199	8.65	0.67	0.00	0.06
E2	**3**	(untitled)	4	770-3	H	292	2150	25	11.29	55	62	21.44	17.45	81.39	3.30
	4	(untitled)	4	770-3	H	292	2050	25	7.93	47	90	18.99	14.91	72.41	3.15
TC5	**2**	(untitled)	TC771-6	TC777-1	A	680	2263	39	10.00	44	105	6.17	3.41	26.08	2.96
	3	(untitled)	TC771-6	TC777-1	A	752	2263	39	15.00	49	85	4.60	1.83	7.54	1.68
	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	1081	1925	40	0.00	78	15	21.15	10.15	58.43	11.62
	2	(untitled)	TC771-6	TC777-1	B	642	1966	40	0.00	46	98	15.70	4.65	36.73	3.94
	3	(untitled)	TC771-6	TC777-1	B	635	1947	40	0.00	46	98	15.77	4.65	36.73	3.90
TC35	**1**	(untitled)	TC771-6	TC777-1	A	191	1900	39	16.00	15	512	5.23	2.34	29.70	1.46
TC36	**1**	(untitled)	TC771-6			552	1800	60	0.00	31	193	3.47	0.44	0.00	0.07
TC37	**1**	(untitled)	TC771-6	TC777-2	J	107	1850	45	0.00	8	1093	5.04	1.85	23.51	0.42
TC38	**1**	(untitled)	TC771-6			107	430	60	0.00	25	261	4.72	3.19	34.10	2.46
TC39	**2**	(untitled)	TC771-6			680	2263	60	29.00	30	200	2.88	0.34	0.00	0.06
	3	(untitled)	TC771-6			752	2263	60	34.00	33	171	2.79	0.40	0.00	0.08

TC40	2	(untitled)	TC771-6			787	Unrestricted	60	0.00	0	Unrestricted	4.23	0.00	0.00	0.00
	3	(untitled)	TC771-6			752	Unrestricted	60	25.00	0	Unrestricted	4.02	0.00	0.00	0.00
TC41	1	(untitled)	TC771-6	TC777-1	D	222	1850	7	0.00	90	0	79.28	75.34	157.84	6.40
	2	(untitled)	TC771-6	TC777-1	D	223	1850	7	0.00	90	0	80.78	76.82	159.44	6.52
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			1007	1965	60	0.00	51	76	7.58	0.96	0.00	0.27
49	1	(untitled)	TC771-6			1081	1900	60	0.00	57	58	4.40	1.25	0.00	0.37
	2	(untitled)	TC771-6			1277	1900	60	0.00	67	34	5.08	1.93	0.00	0.69
50	1	(untitled)	1			1327	1900	60	0.00	70	29	7.96	2.18	0.00	0.80
51	1	(untitled)	4-2			930	1900	60	0.00	49	84	5.40	0.91	0.00	0.23

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	6724.98	491.66	13.68	318.67	4525.04	773.00	0.00	5298.05
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	6724.98	491.66	13.68	318.67	4525.04	773.00	0.00	5298.05

- *< = 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***