TRANSYT 15

Filename: M62 JN 28 CRF Scheme_Mar 20- Scenario 3a-PM + LCC Scheme.t15
Path: Z:\Projects\10127ITM Capitol Park, Leeds F2 (F1A)\Tech\Transyt\TRANSYT - AGREED HE_LCC BASE MODEL (MARCH 2020)\Post-Submission Work\2033 Sensitivity Test
Report generation date: 19/07/2021 23:19:36

File summary

File description

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

Model and Results

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

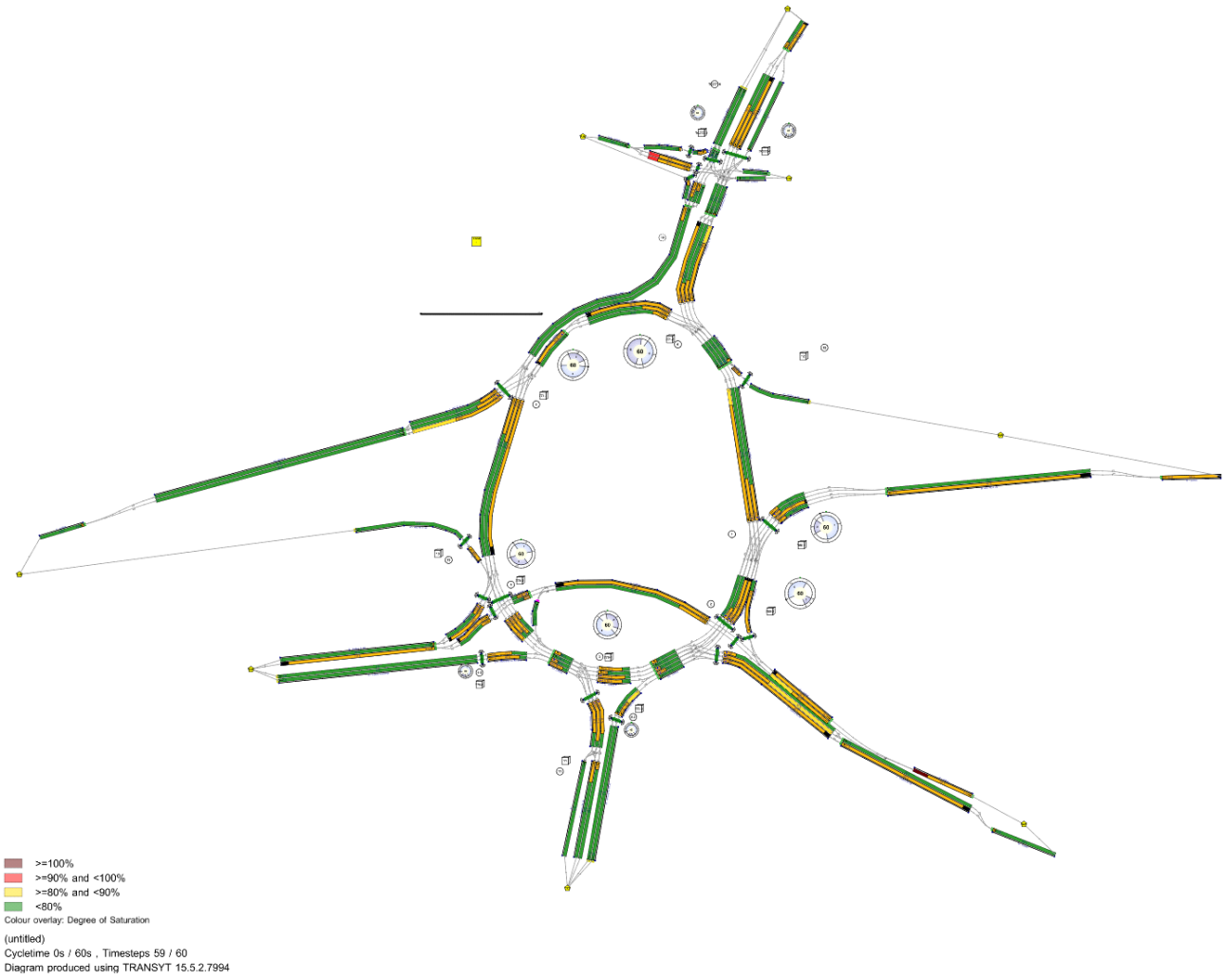
Units

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

Sorting

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

Network Diagrams



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

Summary

Data Errors and Warnings

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

Run Summary

Analysis set used	Run start time	Run finish time	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Ite wit wor over PR
2	19/07/2021 23:17:10	19/07/2021 23:17:24	16:30	60	14959.53	971.86	129.20	50/1	22	14	TC5/4	50/1	TC5

Analysis Set Details

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

Demand Set Details

Name	Description	Composite	Demand sets	Start time (HH:mm)	Locked
2033 Base + Committed + Cumulative PM + LCC Scheme				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, 11, 12, 13			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
52			3-2
53			TC771-6
54			6
55			4

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	✓	55.51	✓	Directly entered	2050		2050			Normal	
	2	(untitled)	Dews	✓	55.37	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	55.59	✓	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	
	1	(untitled)	Brad/M62		55.00	✓	Directly entered	2050		2050	✓		Normal	

D	**2**	(untitled)	Leeds		55.00	✓	Directly entered	1850		2075	✓		Normal	
	3	(untitled)	Leeds/M62/Wake	✓	56.15	✓	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)		✓	63.46								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)		✓	101.15								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	
52	1				200.00	✓	Sum of lanes	1800			✓		Normal	
53	1				91.71	✓	Sum of lanes	1800			✓		Normal	
54	1				25.00	✓	Sum of lanes	1800			✓		Normal	
55	1				20.00	✓	Sum of lanes	1800			✓		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
52	1	1	(untitled)											1800
53	1	1	(untitled)											1800
54	1	1	(untitled)											1800
55	1	1	(untitled)											1800

Modelling

Arm	Traffic Stream	Traffic model	Stop weighting multiplier (%)	Delay weighting multiplier (%)	Assignment Cost Weighting (%)	Exclude from results calculation	Max queue storage (PCU)	Has queue limit	Queue limit (PCU)	Excess queue penalty (£)	Has degree of saturation limit	Degree of saturation limit (%)	Excess degree of saturation penalty (£)	Low degree o saturatio penalty (£)
A	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Ac	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Acf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
Af	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
B	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							

	4	CTM	100	100	100		0.00							
Bc	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Bcf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Bf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
C	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Cf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
D	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Dc	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Dcf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
Df	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Dxp	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Ec	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Ecf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Ef	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Exp	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
F	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Fc	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Ff	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00	✓	0.00	0.00	✓	2	0.00	0.00
G	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
Gf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xA	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xB	1	NetworkDefault	100	100	100		0.00							

xC	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xD	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xE	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xF	1	NetworkDefault	100	100	100		0.00							
Cc1	1	CTM	100	100	100		0.00							
E1	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
Gf1	1	NetworkDefault	100	100	100		0.00							
Cc2	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
E2	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
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							
52	1	NetworkDefault	100	100	100		0.00							
53	1	NetworkDefault	100	100	100		0.00							
54	1	NetworkDefault	100	100	100		0.00							
55	1	NetworkDefault	100	100	100		0.00							

Modelling - Advanced

Arm	Traffic Stream	Initial queue (PCU)	Type of Vehicle-in-Service	Vehicle-in-Service	Type of random parameter	Random parameter	Auto cycle time	Cycle time
(ALL)	(ALL)	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	60

Normal traffic - Modelling

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

Normal traffic - Advanced

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

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)
A	1	955	955
	2	434	434
	3	654	654
	4	942	942
Ac	1	885	885
	2	291	291
	3	556	556
Acf	1	1176	1176
	2	556	556
Af	1	1389	1389
	2	654	654
	3	942	942
B	1	293	293
	2	388	388
	3	374	374
	4	365	365
Bc	1	812	812
	2	1029	1029
	3	1036	1036
Bcf	1	1840	1840
	2	812	812
	3	1029	1029
	4	1036	1036
Bf	1	681	681
	2	739	739
C	1	508	508
	2	430	430
	3	144	144
Cf	1	508	508
	2	574	574
D	1	413	413
	2	473	473
	3	482	482
Dc	1	821	821
	2	916	916
	3	305	305
	4	509	509
Dcf	1	1250	1250
	2	1610	1610
	3	916	916
	4	305	305
	5	509	509
Df	1	874	874
	2	482	482
Dxp	1	1250	1250
	2	789	789
Ec	1	733	733
	2	708	708
	3	623	623
	4	392	392
Ecf	1	921	921
	2	1229	1229
	3	708	708
	4	1061	1061

Ef	**1**	859	859
	2	627	627
Exp	**1**	921	921
	2	496	496
F	**1**	233	233
	2	296	296
	3	462	462
Fc	**1**	815	815
	2	714	714
	3	939	939
Ff	**1**	529	529
	2	462	462
G	**1**	339	339
	2	335	335
Gf	**1**	335	335
	2	292	292
xA	**1**	958	958
	2	768	768
xB	**1**	1840	1840
xC	**1**	756	756
	2	707	707
xD	**1**	1250	1250
	2	789	789
xE	**1**	921	921
	2	496	496
xF	**1**	847	847
Cc1	**1**	788	788
E1	**1**	312	312
	2	547	547
Gf1	**1**	47	47
Cc2	**2**	1151	1151
	3	724	724
	4	1268	1268
	5	365	365
E2	**3**	335	335
	4	292	292
TC5	**2**	765	765
	3	768	768
	4	0	0
TC9	**1**	1156	1156
	2	642	642
	3	711	711
TC35	**1**	193	193
TC36	**1**	567	567
TC37	**1**	110	110
TC38	**1**	110	110
TC39	**2**	765	765
	3	768	768
TC40	**2**	875	875
	3	768	768
TC41	**1**	229	229
	2	229	229
TC42	**1**	0	0
TC43	**1**	0	0
47	**1**	1462	1462
48	**1**	1082	1082
49	**1**	1174	1174
	2	1353	1353

50	**1**	1420	1420
51	**1**	991	991
52	**1**	12	12
53	**1**	18	18
54	**1**	1840	1840
55	**1**	847	847

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	
Df	**1**	11	B	
	2	11	B	
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	
52	1	11	A	
53	1	TC777-1	J	
54	1	12	A	
55	1	13	A	

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
52	1	24.00	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	6.66	30.00	✓	Nearside	10.60
	2	1	TC42/1	Af/2	6.64	30.00	✓	Nearside	10.60
	3	1	TC42/1	Af/3	6.67	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	4.21	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**	54/1	xB/1	7.61	30.00	✓	Nearside	42.50
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**	55/1	xF/1	12.14	30.00	✓	Nearside	95.81
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
53	**1**	**1**	49/1	53/1	11.01	30.00	✓	Straight	Straight Movement
54	**1**	**1**	Bcf/1	54/1	3.00	30.00	✓	Nearside	25.03
55	**1**	**1**	Ec/1	55/1	2.40	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	6.66	30.00	✓	Straight	Straight Movement
	2	**2**	TC9/2	Af/2	6.64	30.00	✓	Straight	Straight Movement
	3	**2**	TC9/3	Af/3	6.67	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
D	**1**	**2**	52/1	D/1	4.13	48.00	✓	Straight	Straight Movement
	2	**2**	52/1	D/2	4.13	48.00	✓	Straight	Straight Movement
	3	**2**	52/1	D/3	4.21	48.00	✓	Straight	Straight Movement
Dcf	**1**	**2**	C/1	Dcf/1	4.95	48.00	✓	Nearside	55.54
	2	**2**	C/1	Dcf/2	4.94	48.00	✓	Nearside	55.54
	3	**2**	C/2	Dcf/3	5.15	48.00	✓	Nearside	58.86
	4	**2**	Cc2/3	Dcf/4	8.01	30.00	✓	Straight	Straight Movement
	5	**2**	C/3	Dcf/5	5.02	48.00	✓	Nearside	62.17
Ecf	**1**	**2**	D/1	Ecf/1	3.45	48.00	✓	Nearside	43.36
	2	**2**	D/1	Ecf/2	3.48	48.00	✓	Nearside	43.36
	3	**2**	D/2	Ecf/3	3.52	48.00	✓	Nearside	46.68
	4	**2**	D/3	Ecf/4	3.78	48.00	✓	Nearside	49.99
Fc	**1**	**2**	E1/1	Fc/1	20.61	32.00	✓	Nearside	58.94
	2	**2**	E1/1	Fc/2	20.41	32.00	✓	Nearside	60.85
	3	**2**	E1/2	Fc/3	20.28	32.00	✓	Nearside	64.16
G	**1**	**2**	Gf1/1	G/1	16.06	35.00	✓	Offside	17.91
	2	**2**	Gf1/1	G/2	11.45	48.00	✓	Offside	15.13
xA	**1**	**2**	Fc/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	**2**	Fc/2	xA/2	17.25	48.00	✓	Straight	Straight Movement
xC	**1**	**2**	Cc1/1	xC/1	8.67	48.00	✓	Nearside	56.51
	2	**2**	Cc1/1	xC/2	8.70	48.00	✓	Nearside	57.28
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
55	1	2	E1/1	55/1	2.40	30.00	✓	Nearside	30.78
Acf	1	3	Fc/2	Acf/1	5.22	48.00	✓	Straight	Straight Movement
Af	1	3	TC41/1	Af/1	6.66	30.00	✓	Offside	6.19
	2	3	TC41/2	Af/2	6.64	30.00	✓	Offside	6.00
	3	3	TC41/2	Af/3	6.67	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
Af	1	4	53/1	Af/1	6.66	30.00	✓	Straight	Straight Movement
	2	4	53/1	Af/2	6.64	30.00	✓	Straight	Straight Movement
	3	4	53/1	Af/3	6.67	30.00	✓	Straight	Straight Movement
Cc2	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
18	(untitled)		12		Farside	3.00	2.00	5.40
19	(untitled)		13		Farside	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	
18	12	B	
19	13	B	

Pedestrian Crossings - Sides

Crossing	Side	Saturation flow (Ped/hr)
(ALL)	(ALL)	11000

Pedestrian Crossings - Modelling

Crossing	Side	Delay weighting (%)	Assignment Cost Weighting (%)	Exclude from results calculation	Max queue storage (Ped)	Has queue limit	Has degree of saturation limit
(ALL)	(ALL)	100	100		0.00		

Local OD Matrix - Local Matrix: 1

Local Matrix Options

OD Matrix	Name	Use for point to point table	Auto calculate	Allocation mode	Allow paths past exit locations	Allow looped paths on arms	Allow looped paths on traffic nodes	Copy flows	Matrix to copy flows from	Limit paths by length	Path length limit multiplier	Limit paths by number	Path number limit
1	(untitled)	✓	✓	Lane Balancing			✓			✓	1.25		

Normal Input Flows (PCU/hr)

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	3	53	411	13	446	60	434	0
	B28	19	0	103	178	513	13	256	0
	C28	381	47	0	313	100	21	506	0
	D28	5	378	358	0	17	60	173	0
	E28	477	627	93	114	1	10	164	0
	F28	162	40	79	88	88	0	110	0
	G28	793	317	995	141	252	29	0	0
	H28	0	0	0	0	0	0	0	0

Bus Input Flows not shown as they are blank.

Tram Input Flows not shown as they are blank.

Pedestrian Input Flows not shown as they are blank.

Locations

OD Matrix	Location	Name	Entries	Exits	Colour
1	A28	(untitled)	50/1	xB/1	#FF0000
	B28	(untitled)	48/1	47/1	#00FF40
	C28	(untitled)	Df/2, Df/1, 52/1	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
	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	
	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	
	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	
	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	
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	
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	
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	Fixed	
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	
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	
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	
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	
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	
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	
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	
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	
169		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	
171		G28	H28	49/1, TC9/1, TC43/1	Normal	
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	
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	
	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	
	182		C28	C28	52/1, 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	
	183		C28	C28	52/1, 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	
	184		C28	C28	52/1, 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	
	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	
	188		C28	H28	52/1, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	190		C28	C28	52/1, 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	
	192		C28	C28	52/1, 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	
	193		C28	C28	52/1, 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	
	194		C28	C28	52/1, 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	
	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		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Fixed	
	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	
	202		G28	B28	49/1, 53/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Disabled	
	203		G28	C28	49/1, 53/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
	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		C28	D28	Df/1, D/1, Ecf/2, Ec/1, 55/1, 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	
	208		G28	C28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
	209		G28	E28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Disabled	
	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		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, 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	
	216		G28	G28	49/1, 53/1, 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	
1	217		G28	G28	49/1, 53/1, 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	
	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	
	221		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, 54/1, xB/1	Normal	
	223		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	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	
	227		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	228		C28	A28	52/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Disabled	
	229		C28	A28	52/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Disabled	
	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	
	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	
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	
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	
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	
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	
277		C28	E28	52/1, D/1, Ecf/1, Exp/1, xE/1	Fixed	
279		C28	E28	52/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	
280		C28	G28	52/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Fixed	
281		C28	F28	52/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Fixed	
282		C28	G28	52/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
283		C28	H28	52/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
284		C28	G28	52/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
285		C28	H28	52/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
287		C28	C28	52/1, 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	
289		C28	C28	52/1, 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	
290		C28	C28	52/1, 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	
291		C28	B28	52/1, D/2, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Disabled	
292		C28	B28	52/1, D/2, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Disabled	
293		C28	G28	52/1, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
294		C28	C28	52/1, 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	
295		C28	C28	52/1, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
296		C28	B28	52/1, D/3, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	
297		C28	B28	52/1, D/3, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Disabled	
299		G28	C28	49/1, 53/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Disabled	
300		G28	B28	49/1, 53/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Fixed	
301		G28	C28	49/1, 53/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
302		G28	E28	49/1, 53/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	
304		G28	E28	49/1, 53/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Disabled	
306		G28	E28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Disabled	
308		G28	E28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Disabled	
309		G28	G28	49/1, 53/1, 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	
310		G28	F28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Fixed	
311		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, 54/1, xB/1	Normal	
312		G28	A28	49/1, 53/1, Af/1, A/1, Bcf/1, 54/1, xB/1	Fixed	
313		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, 54/1, xB/1	Normal	
314		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Fixed	
315		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Normal	
316		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Fixed	

	317		C28	A28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Normal	
	318		C28	A28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Fixed	
	319		C28	A28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Fixed	
	320		C28	A28	52/1, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Disabled	
	321		C28	A28	52/1, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Disabled	
	322		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Fixed	
	323		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Normal	
	324		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, 54/1, xB/1	Normal	
	325		H28	A28	TC42/1, Af/1, A/1, Bcf/1, 54/1, xB/1	Normal	
	326		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, 54/1, xB/1	Normal	
	327		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Fixed	
	328		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
	329		G28	D28	49/1, 53/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Fixed	
	330		G28	D28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Disabled	
	331		G28	D28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Disabled	
	332		A28	D28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
	333		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Fixed	
	334		B28	D28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
	335		C28	D28	52/1, D/1, Ecf/2, Ec/1, 55/1, xF/1	Fixed	
	336		E28	D28	Ef/1, E1/1, 55/1, xF/1	Normal	
	337		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, 55/1, xF/1	Normal	
	338		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, 55/1, xF/1	Normal	
	339		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, 55/1, xF/1	Normal	
	340		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
	341		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	
	342		F28	D28	TC36/1, TC41/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Disabled	
	343		F28	D28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Fixed	
	344		F28	D28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, 55/1, xF/1	Normal	

Signal Timings

Network Default: 60s cycle time; 60 steps

Controller Stream 11

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

Controller Stream 11 - Properties

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

Controller Stream 11 - Optimisation

Controller Stream	Allow offset optimisation	Allow green split optimisation	Optimisation level	Auto redistribute	Enable stage constraint
11	✓	✓	Offsets And Green Splits		

Phases

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

Library Stages

Controller Stream	Library Stage	Phases in stage	User stage minimum (s)
11	**1**	A	1
	2	B	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
11	1	(untitled)	Single	1, 2	7, 55

Intergreen Matrix for Controller Stream 11

		To	
		A	B
From	A		5
	B	5	

Banned Stage transitions for Controller Stream 11

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 11

		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)
11	1	✓	1	A	0	7	7	1	7
	2	✓	2	B	12	55	43	1	7

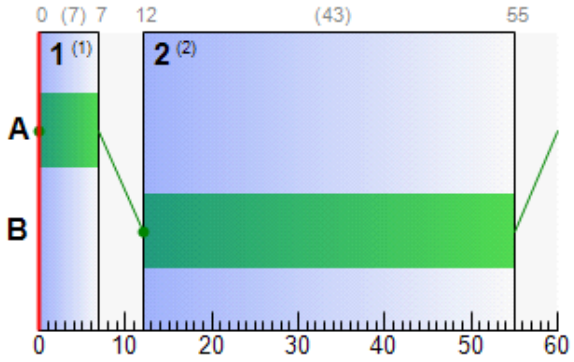
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
11	A	1	✓	0	7	7
	B	1	✓	12	55	43

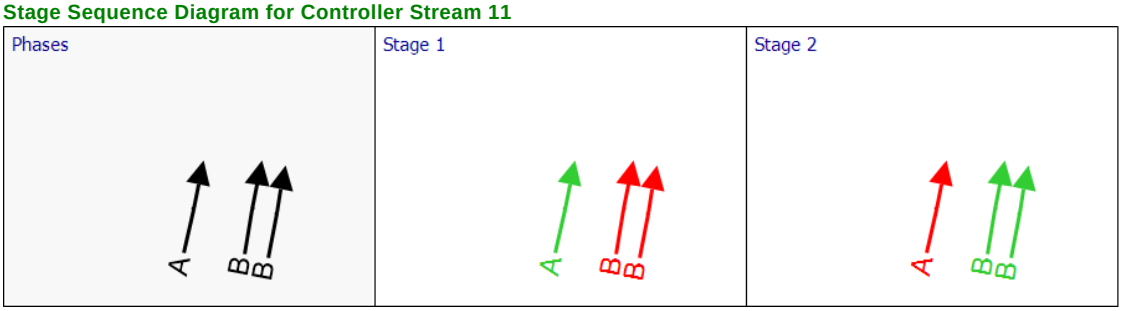
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
Df	1	3-2	11	B	12	55	43
Df	2	3-2	11	B	12	55	43
52	1	3-2	11	A	0	7	7

Phase Timings Diagram for Controller Stream 11



Stage Sequence Diagram for Controller Stream 11



Controller Stream 12

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

Controller Stream 12 - Properties

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

Controller Stream 12 - Optimisation

Controller Stream	Allow offset optimisation	Allow green split optimisation	Optimisation level	Auto redistribute	Enable stage constraint
12	✓	✓	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)
12	A	(untitled)	7	300	0	0	Traffic	
	B	(untitled)	6	300	0	0	Pedestrian	3

Library Stages

Controller Stream	Library Stage	Phases in stage	User stage minimum (s)
12	1	A	1
	2	B	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
12	1	(untitled)	Single	1, 2	55, 6

Intergreen Matrix for Controller Stream 12

		To	
		A	B
From	A		5
	B	5	

Banned Stage transitions for Controller Stream 12

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 12

		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)
12	1	✓	1	A	11	55	44	1	7
	2	✓	2	B	0	6	6	1	6

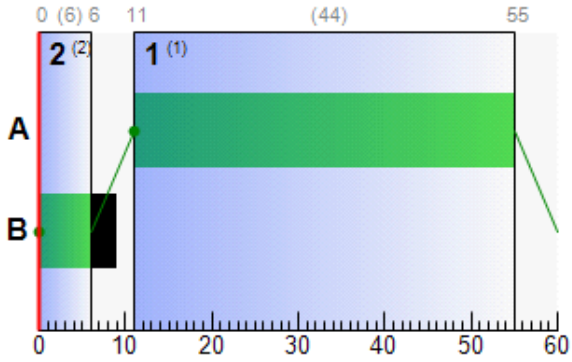
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
12	A	1	✓	11	55	44
	B	1	✓	0	6	6

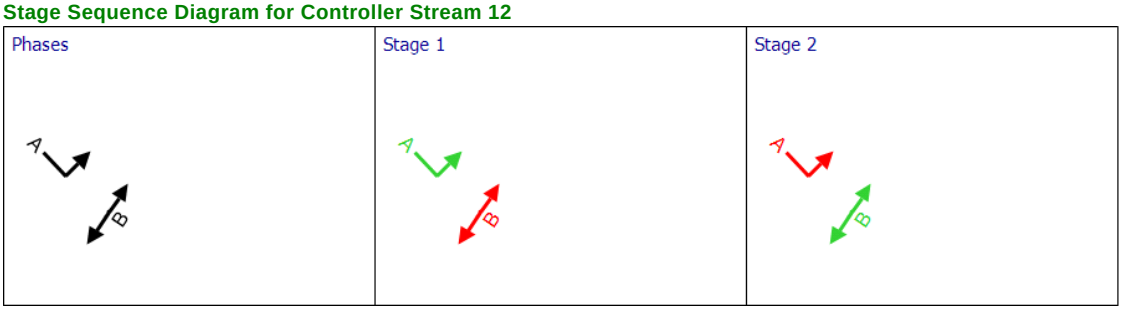
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
54	1	6	12	A	11	55	44

Phase Timings Diagram for Controller Stream 12



Stage Sequence Diagram for Controller Stream 12



Controller Stream 13

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

Controller Stream 13 - Properties

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

Controller Stream 13 - Optimisation

Controller Stream	Allow offset optimisation	Allow green split optimisation	Optimisation level	Auto redistribute	Enable stage constraint
13	✓	✓	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)
13	A	(untitled)	7	300	0	0	Traffic	
	B	(untitled)	6	300	0	0	Pedestrian	3

Library Stages

Controller Stream	Library Stage	Phases in stage	User stage minimum (s)
13	1	A	1
	2	B	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
13	1	(untitled)	Single	1, 2	55, 6

Intergreen Matrix for Controller Stream 13

		To	
		A	B
From	A		5
	B	5	

Banned Stage transitions for Controller Stream 13

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 13

		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)
13	1	✓	1	A	11	55	44	1	7
	2	✓	2	B	0	6	6	1	6

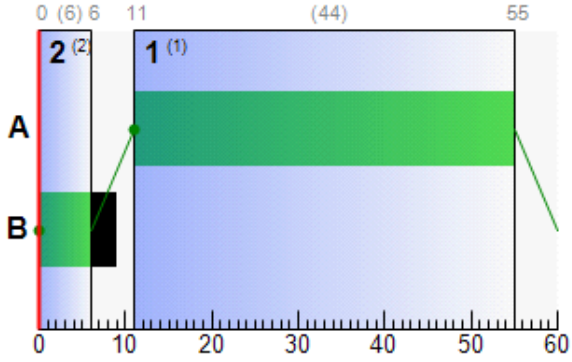
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
13	A	1	✓	11	55	44
	B	1	✓	0	6	6

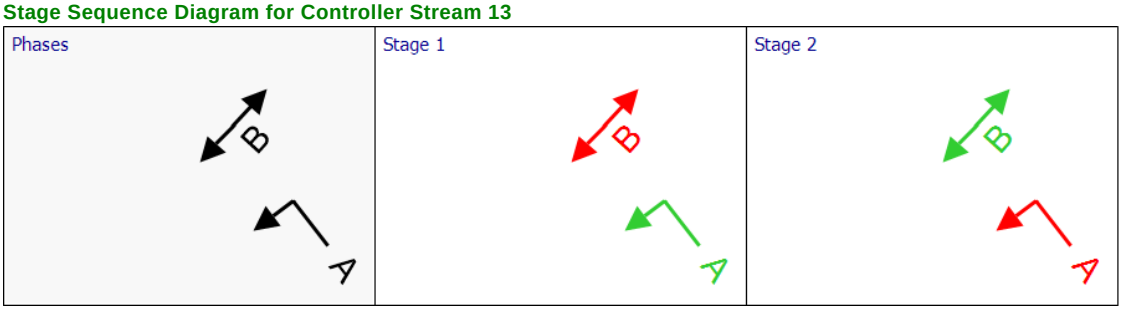
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
55	1	4	13	A	11	55	44

Phase Timings Diagram for Controller Stream 13



Stage Sequence Diagram for Controller Stream 13



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

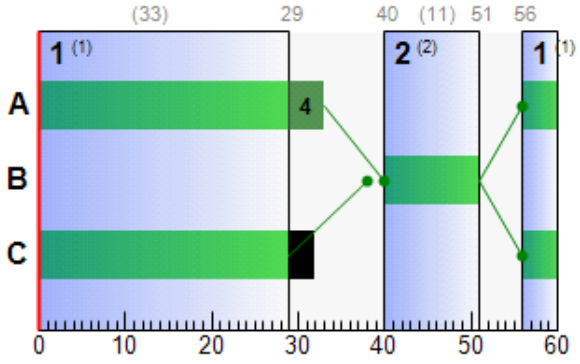
Resultant Phase Green Periods

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

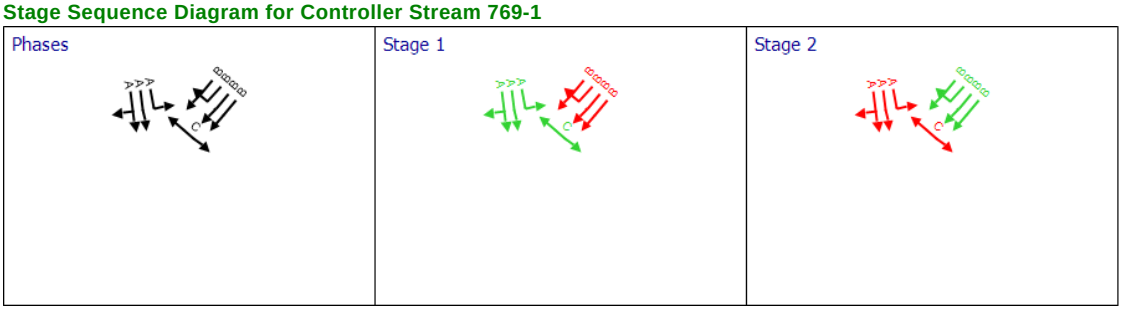
Traffic Stream Green Times

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

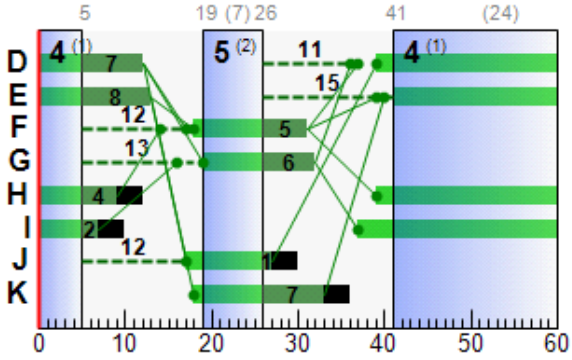
Resultant Phase Green Periods

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

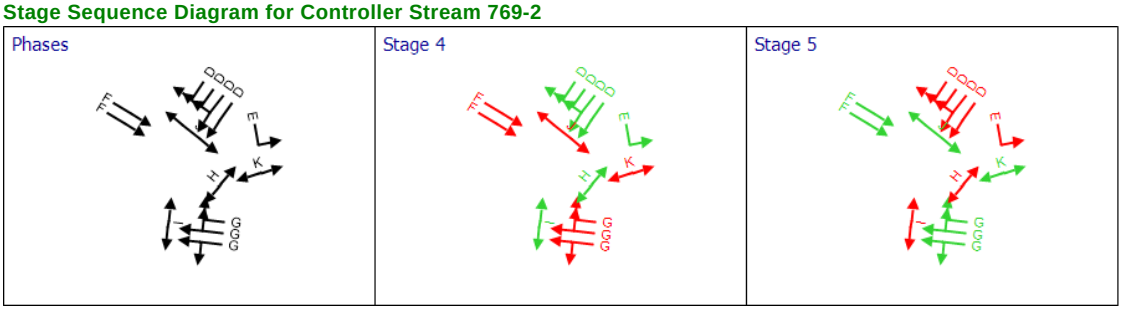
Traffic Stream Green Times

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

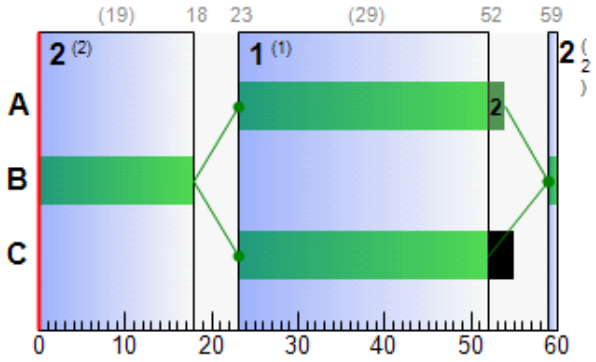
Resultant Phase Green Periods

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

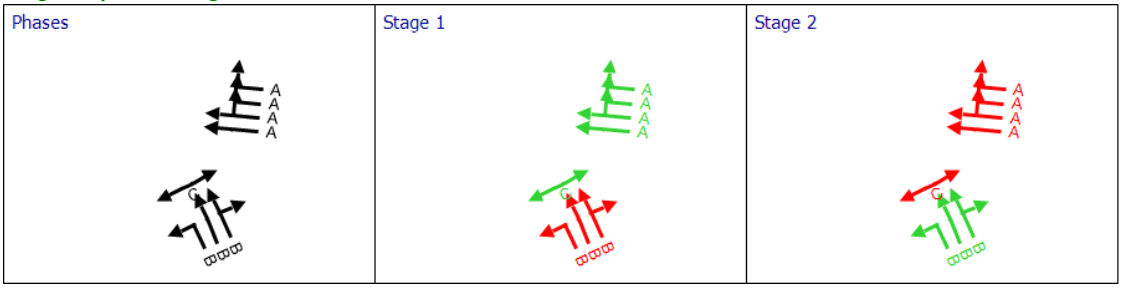
Traffic Stream Green Times

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

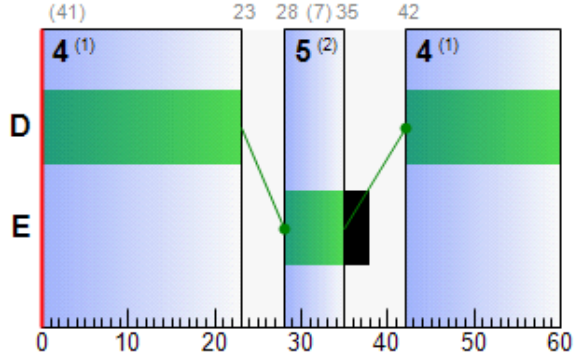
Resultant Phase Green Periods

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

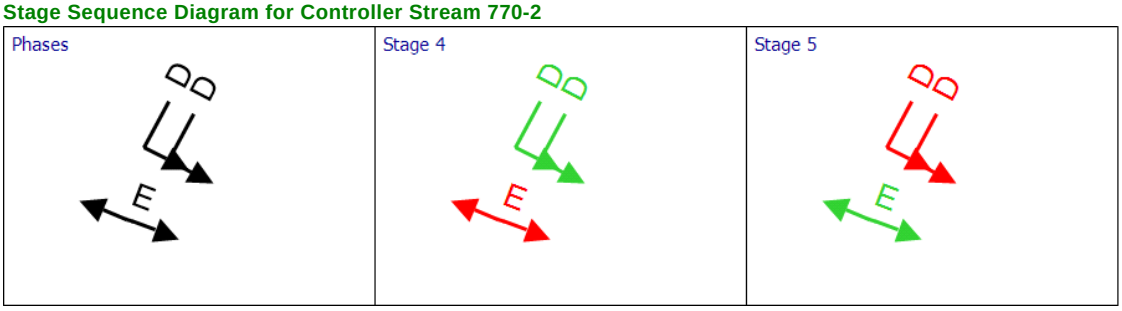
Traffic Stream Green Times

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	7	0	9	11
	8	12	0	0
	9	12	0	0

Resultant Stages

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

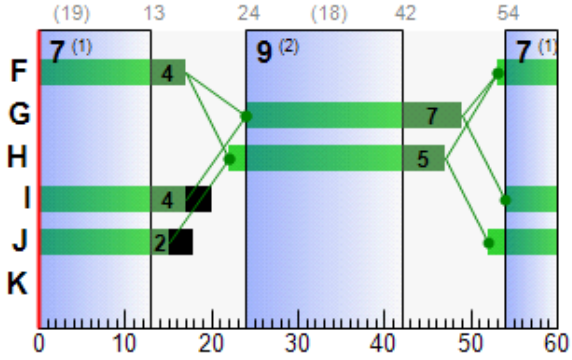
Resultant Phase Green Periods

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

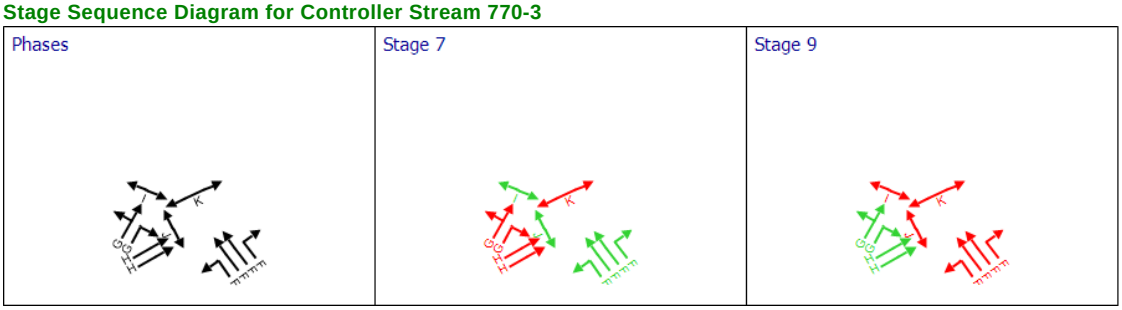
Traffic Stream Green Times

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

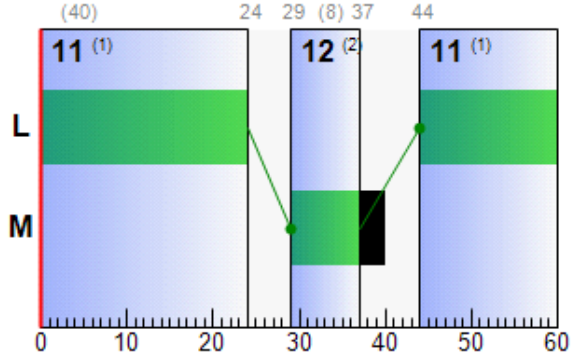
Resultant Phase Green Periods

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

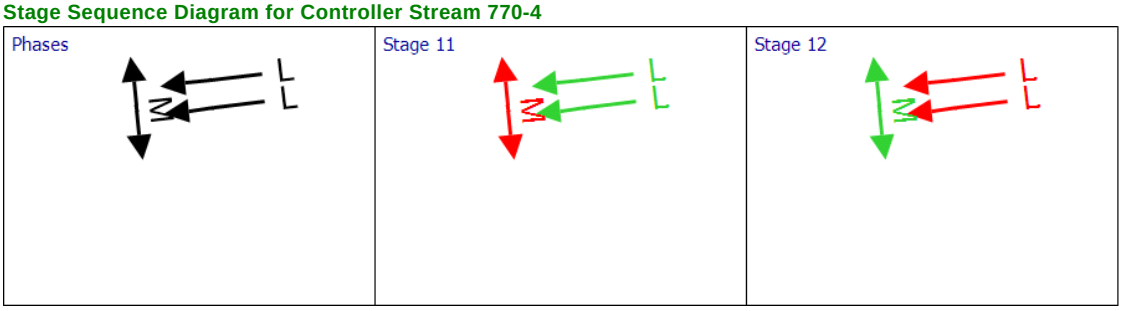
Traffic Stream Green Times

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

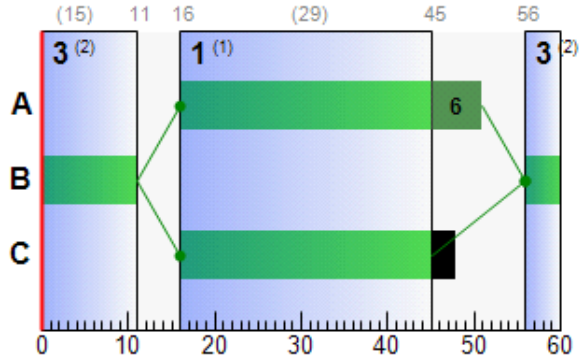
Resultant Phase Green Periods

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

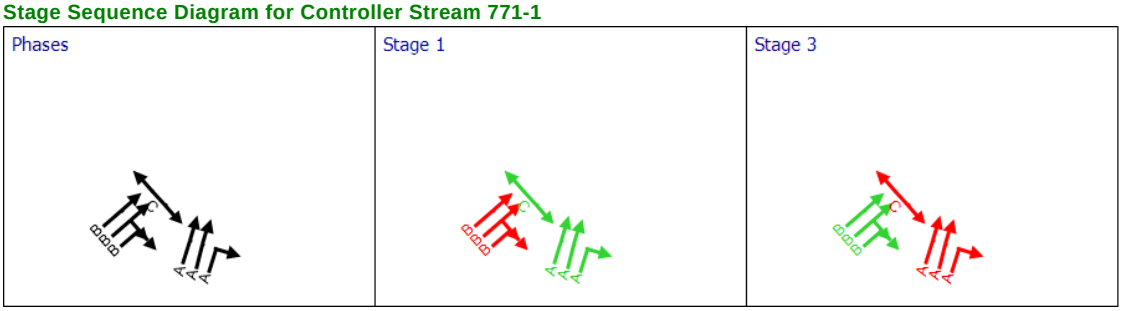
Traffic Stream Green Times

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

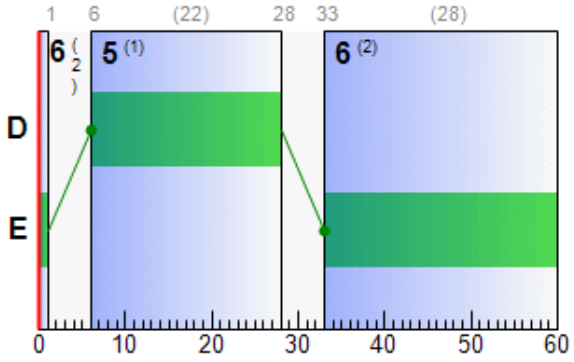
Resultant Phase Green Periods

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

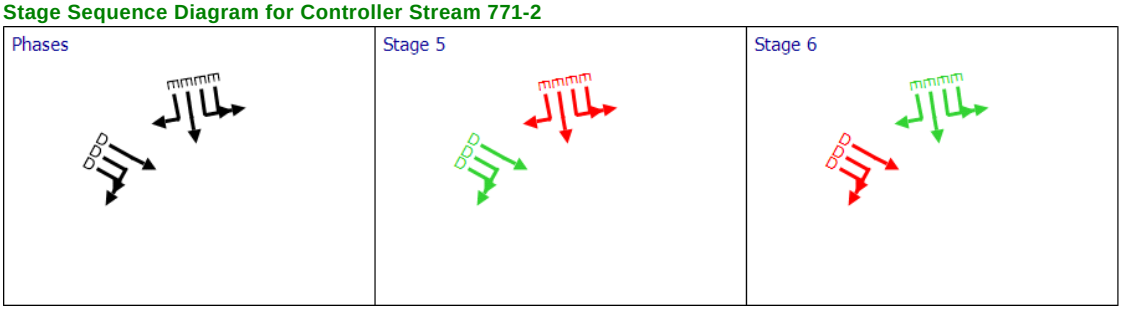
Traffic Stream Green Times

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
	J	(untitled)	7	300	0	0	Traffic	

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
	7	A, F, J	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
TC777-1	1	(untitled)	Single	1, 5, 7	2, 17, 30

Intergreen Matrix for Controller Stream TC777-1

		To									
		A	B	C	D	E	F	G	H	I	J
From	A				5	5			7	5	
	B			5	5	5		5			5
	C		6		5	5					6
	D	5	5	6			5				5
	E	5	5	5					8		5
	F				8						
	G		16								16
	H	6				6					
	I	5									
	J		5	5	5	5		5			

Banned Stage transitions for Controller Stream TC777-1

		To						
		1	2	3	4	5	6	7
From	1							
	2							
	3							
	4							
	5							
	6							
	7							

Interstage Matrix for Controller Stream TC777-1

		To						
		1	2	3	4	5	6	7
From	1	0	5	7	8	8	5	5
	2	16	0	16	8	8	5	16
	3	6	6	0	8	8	6	6
	4	5	6	8	0	8	5	5
	5	6	6	5	6	0	6	6
	6	5	5	8	8	8	0	5
	7	5	5	7	8	8	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)
TC777-1	1	✓	1	A,B,F	35	2	27	1	7
	2	✓	5	D,H,I	10	17	7	1	7
	3	✓	7	A,F,J	23	30	7	1	6

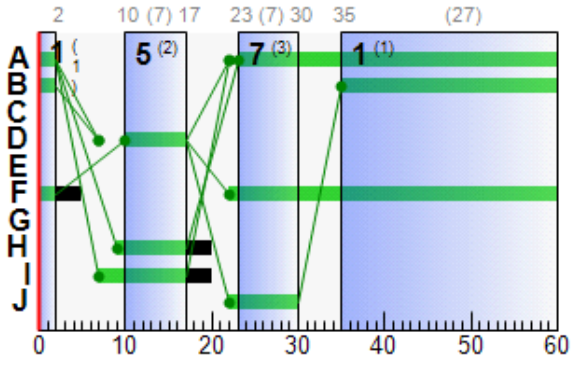
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
TC777-1	A	1	✓	23	2	39
	B	1	✓	35	2	27
	D	1	✓	10	17	7
	F	1	✓	22	2	40
	H	1	✓	9	17	8
	I	1	✓	7	17	10
	J	1	✓	22	30	8

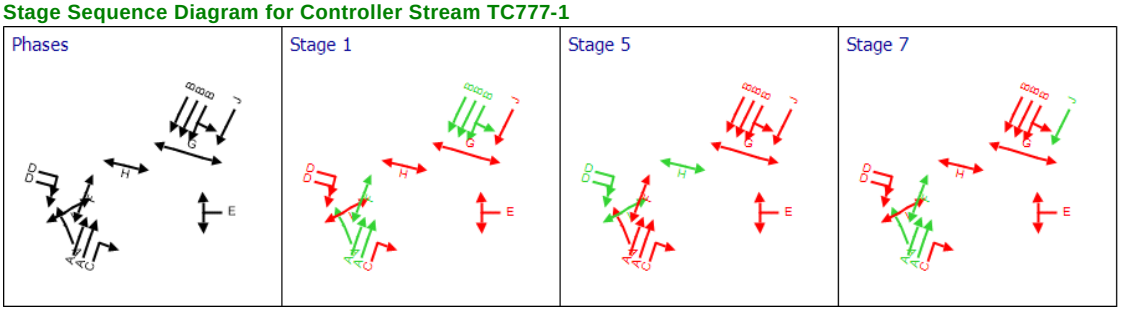
Traffic Stream Green Times

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	35	2	27
TC9	2	TC771-6	TC777-1	B	35	2	27
TC9	3	TC771-6	TC777-1	B	35	2	27
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			
53	1	TC771-6	TC777-1	J	22	30	8

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

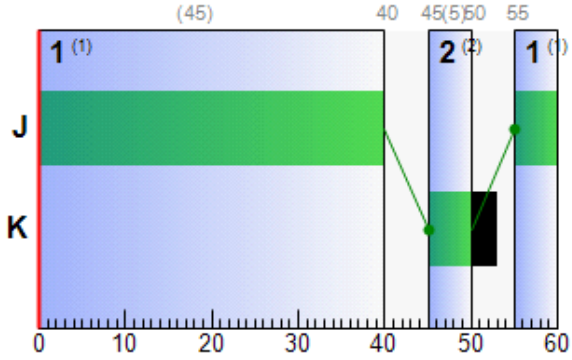
Resultant Phase Green Periods

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

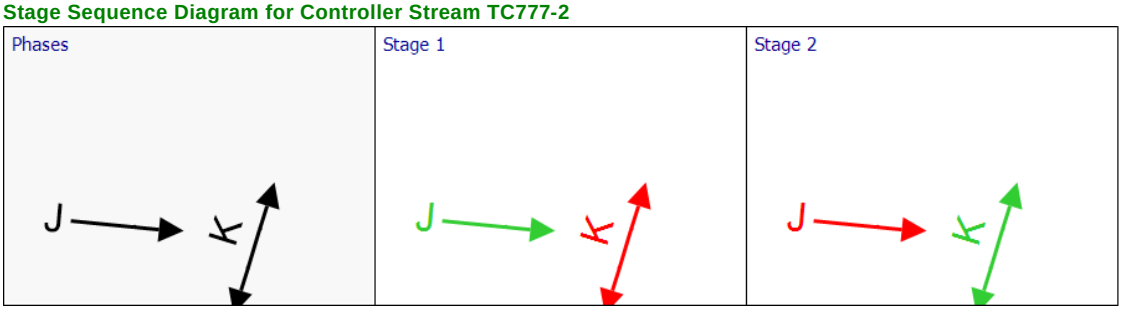
Traffic Stream Green Times

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	822	2050	28	991	83	9	23.12	9.89	76.34	28.71

	A	2	(untitled)	E	372	2050	28	991	38	140	13.41	3.61	27.01	19.18
		3	(untitled)	E	652	2050	28	991	66	37	9.54	3.25	23.80	15.44
		4	(untitled)	E	942	2050	28	991	95	-5	37.27	16.20	115.91	43.30
	Ac	1	(untitled)	D	867	2263	22	867	100	-10	95.62	30.47	182.87	102.81
		2	(untitled)	D	292	2263	22	796	37	145	33.58	5.36	33.37	43.08
		3	(untitled)	D	553	2263	22	860	64	40	6.25	2.89	18.92	12.85
	Acf	1	(untitled)		1160	2263	60	1159	100	-10	63.82	27.78	229.57	69.04
		2	(untitled)		553	2263	60	2263	24	268	0.26	0.04	0.32	7.50
	Af	1	(untitled)		1194	2050	60	2050	58	55	1.22	0.41	4.20	7.88
		2	(untitled)		652	2050	60	2050	32	183	0.41	0.07	0.77	7.05
		3	(untitled)		942	2050	60	2050	46	96	0.75	0.19	2.02	7.42
	B	1	(untitled)	B	228	2050	11	408	56	61	36.76	4.14	25.14	43.86
		2	(untitled)	B	300	2150	11	300	100	-10	265.93	24.41	144.45	273.22
		3	(untitled)	B	289	2100	11	414	70	29	23.93	4.23	24.41	31.40
		4	(untitled)	B	283	2050	11	410	69	30	27.23	4.39	24.64	39.52
	Bc	1	(untitled)	A	751	2050	37	1298	58	56	4.84	6.23	26.95	16.79
		2	(untitled)	A	1024	2050	37	1295	79	14	9.04	7.27	31.81	20.88
		3	(untitled)	A	1036	2050	37	1245	83	8	14.55	19.77	87.36	26.26
	Bcf	1	(untitled)		1689	2263	60	2263	75	21	2.33	1.09	10.02	6.65
		2	(untitled)		751	2263	60	2263	33	171	0.39	0.08	0.75	5.72
		3	(untitled)		1024	2263	60	2263	45	99	0.66	0.19	1.72	6.29
		4	(untitled)		1036	2263	60	2263	46	97	0.67	0.19	1.78	7.02
	Bf	1	(untitled)		527	1800	60	553	95	-6	221.13	45.29	114.32	248.47
		2	(untitled)		573	1800	60	1800	32	183	0.47	0.07	0.19	27.88
	C	1	(untitled)	G	481	2100	13	490	98	-8	179.87	28.81	136.74	194.40
		2	(untitled)	G	430	2200	13	513	84	7	39.01	8.47	39.82	53.69
		3	(untitled)	G	144	2050	13	478	30	199	20.61	1.98	9.18	35.53
	Cf	1	(untitled)		508	1965	60	481	106	-15	239.70	41.39	164.58	257.05
		2	(untitled)		574	1965	60	1965	29	208	0.38	0.06	0.24	17.88
	D	1	(untitled)	B	413	2050	19	683	60	49	29.22	6.56	68.63	33.34
		2	(untitled)	B	473	1850	19	617	77	17	35.46	8.31	86.84	39.58
		3	(untitled)	B	482	2250	19	703	69	31	26.88	6.98	71.52	31.09
	Dc	1	(untitled)	A	762	2100	31	1104	69	30	11.21	6.60	74.91	15.01
		2	(untitled)	A	848	2100	31	1120	76	19	13.60	7.13	84.09	17.25
		3	(untitled)	A	275	2100	31	1120	25	267	10.12	2.36	28.99	13.63
		4	(untitled)	A	427	2100	31	1120	38	136	20.43	5.90	75.68	23.79
	Dcf	1	(untitled)		1163	2050	60	2050	57	59	1.15	0.37	3.23	6.09
		2	(untitled)		1528	2100	60	1967	78	16	3.45	3.99	34.84	8.40
		3	(untitled)		848	2100	60	1961	43	108	1.00	2.42	20.29	6.34
		4	(untitled)		275	2100	60	2100	13	588	0.13	0.01	0.08	6.56
		5	(untitled)		427	2100	60	2071	21	336	0.28	2.35	20.16	5.29
	Df	1	(untitled)	B	874	1900	43	1393	63	43	6.12	7.57	21.75	30.12
		2	(untitled)	B	482	2250	43	1650	29	208	3.17	2.74	7.87	27.17
	Dxp	1	(untitled)	D	1218	2050	41	1435	85	6	7.61	3.90	48.15	11.10
		2	(untitled)	D	767	2050	41	1435	53	68	1.50	0.39	4.58	5.15
	Ec	1	(untitled)	F	729	2150	24	896	81	11	17.50	8.24	94.62	21.26
		2	(untitled)	F	678	2263	24	943	72	25	16.15	6.25	74.19	19.78
		3	(untitled)	F	540	2263	24	943	57	57	21.23	7.34	90.20	24.74
		4	(untitled)	F	392	2250	24	926	42	113	8.63	2.47	30.97	12.08
	Ecf	1	(untitled)		862	2100	60	1569	55	64	6.59	5.70	71.39	10.04
		2	(untitled)		1161	2100	60	1964	59	52	1.56	2.75	34.04	5.04
		3	(untitled)		678	2263	60	2263	30	201	0.34	0.06	0.78	3.86
		4	(untitled)		979	2300	60	1517	65	39	2.61	2.85	32.49	6.55
	Ef	1	(untitled)		859	1900	60	1900	45	99	0.78	0.19	0.84	16.09
		2	(untitled)		627	1900	60	560	112	-20	226.74	46.22	208.37	242.04
	Exp	1	(untitled)	L	862	2050	40	1401	62	46	9.48	7.34	81.44	13.37
		2	(untitled)	L	432	2050	40	1401	31	192	10.31	5.79	62.03	14.34
16:30-		1	(untitled)	B	233	2100	15	560	42	116	20.45	3.13	21.11	26.83

17:30	F	2	(untitled)	B	297	2100	15	560	53	70	22.41	4.09	27.45	28.84
		3	(untitled)	B	463	2100	15	560	83	9	35.24	8.11	53.42	41.78
	Fc	1	(untitled)	A	785	2263	35	1358	58	56	4.65	7.30	22.90	23.74
		2	(untitled)	A	631	2263	35	1314	48	87	6.45	8.73	27.66	25.36
		3	(untitled)	A	919	2263	35	918	100	-10	122.97	45.39	144.77	142.52
	Ff	1	(untitled)		530	1900	60	1900	28	223	0.37	0.05	0.11	33.45
		2	(untitled)		463	1900	60	1900	24	269	0.31	0.04	0.08	33.35
	G	1	(untitled)	F	304	2050	13	303	100	-10	370.85	35.34	130.12	386.91
		2	(untitled)	F	303	2050	13	456	66	35	36.34	5.32	20.04	47.79
	Gf	1	(untitled)		300	2050	60	913	33	174	24.35	4.68	69.18	27.27
		2	(untitled)		260	2050	60	2047	13	609	0.14	2.33	34.82	3.02
	xA	1	(untitled)		930	2263	60	2014	46	95	0.87	2.52	6.30	18.10
		2	(untitled)		683	2263	60	2263	30	198	0.34	0.07	0.16	17.59
	xB	1	(untitled)		1350	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	7.61
	xC	1	(untitled)		688	1900	60	673	102	-12	145.25	34.72	172.68	153.92
		2	(untitled)		634	1900	60	713	89	1	26.28	12.53	62.11	34.98
	xD	1	(untitled)		1218	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
		2	(untitled)		767	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
	xE	1	(untitled)		862	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		432	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	xF	1	(untitled)		846	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.14
	Cc1	1	(untitled)	E	725	2050	32	1128	64	40	13.46	13.40	80.39	19.98
	E1	1	(untitled)	G	312	2050	25	888	35	156	12.46	3.22	23.13	18.46
		2	(untitled)	G	547	2200	25	528	104	-13	128.55	23.08	165.89	134.55
	Gf1	1	(untitled)		47	640	60	640	7	1126	0.22	0.00	0.03	3.92
	Cc2	2	(untitled)	D	1069	2150	33	1178	91	-1	25.01	16.78	105.36	31.60
		3	(untitled)	D	639	2050	33	1162	55	64	9.75	4.28	27.55	16.64
		4	(untitled)	D	1194	2150	33	1212	99	-9	53.73	26.91	173.90	60.09
		5	(untitled)	D	283	2050	33	1162	24	269	0.50	0.04	0.25	8.48
	E2	3	(untitled)	H	299	2150	25	300	100	-10	167.71	15.01	162.05	171.70
		4	(untitled)	H	261	2050	25	888	29	206	4.79	2.38	25.19	8.87
	TC5	2	(untitled)	A	751	2263	39	1546	49	85	3.58	3.13	78.08	6.35
		3	(untitled)	A	683	2263	39	1546	44	104	1.76	1.62	40.56	4.52
		4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	963	1925	27	963	100	-10	86.17	30.97	194.18	97.18
		2	(untitled)	B	642	1966	27	983	65	38	14.56	7.94	49.59	25.62
		3	(untitled)	B	711	1947	27	974	73	23	16.76	9.11	56.51	27.88
	TC35	1	(untitled)	A	179	1900	39	1298	14	553	2.40	1.46	34.76	5.30
	TC36	1	(untitled)		567	1800	60	1800	32	186	0.46	0.07	1.65	3.49
	TC37	1	(untitled)	J	110	1850	45	1418	8	1060	1.86	0.43	5.59	5.05
	TC38	1	(untitled)		110	436	60	436	25	256	2.99	2.46	66.30	4.53
	TC39	2	(untitled)		751	2263	60	2263	33	171	0.39	0.08	1.34	2.93
		3	(untitled)		683	2263	60	2263	30	198	0.34	0.07	1.13	2.74
	TC40	2	(untitled)		861	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		683	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	228	1850	7	247	92	-3	85.12	7.18	75.60	89.05
		2	(untitled)	D	229	1850	7	247	93	-3	86.98	7.33	76.55	90.94
	TC42	1	(untitled)	E	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC43	1	(untitled)		0	1800	60	1800	0	Unrestricted	0.00	0.00	0.00	0.00
	47	1	(untitled)		1300	1300	60	1300	100	-10	48.58	17.54	75.48	64.61
	48	1	(untitled)		1082	1965	60	1965	55	63	1.12	0.34	3.51	7.73
	49	1	(untitled)		1175	1900	60	977	120	-25	320.17	117.17	2567.34	323.32
		2	(untitled)		1353	1900	60	1900	71	26	2.33	0.88	19.18	5.48
	50	1	(untitled)		1421	1900	60	1100	129	-30	418.77	180.28	2153.09	424.55
	51	1	(untitled)		993	1900	60	1900	52	72	1.04	0.29	4.38	5.53
	52	1		A	12	1800	7	240	5	1700	23.36	0.17	0.50	47.36
	53	1		J	15	1800	8	270	6	1523	13.49	0.18	1.12	24.50
	54	1		A	1689	1800	44	1350	125	-28	380.75	193.71	4455.38	383.75

	55	**1**		A	846	1800	44	1350	63	44	16.50	13.77	395.87	18.90

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)
11	**1**	✓	1	A	0	7	7	1	7
	2	✓	2	B	12	55	43	1	7
12	**1**	✓	1	A	11	55	44	1	7
	2	✓	2	B	0	6	6	1	6
13	**1**	✓	1	A	11	55	44	1	7
	2	✓	2	B	0	6	6	1	6
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	35	2	27	1	7
	2	✓	5	D,H,I	10	17	7	1	7
	3	✓	7	A,F,J	23	30	7	1	6
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
11	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
12	A	A	7	300	0	0	Traffic
	B	B	6	300	0	0	Pedestrian
13	A	A	7	300	0	0	Traffic
	B	B	6	300	0	0	Pedestrian
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
	J	J	7	300	0	0	Traffic
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	✓	55.51	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	55.37	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	55.59	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	✓	56.15	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	✓	63.46	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	✓	101.15	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
52	**1**		200.00	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
53	**1**		91.71	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
54	**1**		25.00	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
55	**1**		20.00	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	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
	18	1	0	0	6	0.00	0.00
		2	0	0	6	0.00	0.00
	19	1	0	0	6	0.00	0.00
		2	0	0	6	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	83	9	822	2050	28	23.12	9.89	76.34	74.95	19.31	94.26
		2	38	140	372	2050	28	13.41	3.61	27.01	19.69	7.19	26.88
		3	66	37	652	2050	28	9.54	3.25	23.80	24.54	6.46	31.00

		4	95	-5	942	2050	28	37.27	16.20	115.91	138.43	27.18	165.61
	Ac	1	100	-10	867	2263	22	95.62	30.47	182.87	327.21	53.16	380.36
		2	37	145	292	2263	22	33.58	5.36	33.37	38.68	5.43	44.10
		3	64	40	553	2263	22	6.25	2.89	18.92	13.65	3.99	17.64
	Acf	1	100	-10	1160	2263	60	63.82	27.78	229.57	291.93	48.80	340.74
		2	24	268	553	2263	60	0.26	0.04	0.32	0.56	0.00	0.56
	Af	1	58	55	1194	2050	60	1.22	0.41	4.20	5.75	0.00	5.75
		2	32	183	652	2050	60	0.41	0.07	0.77	1.05	0.00	1.05
		3	46	96	942	2050	60	0.75	0.19	2.02	2.77	0.00	2.77
	B	1	56	61	228	2050	11	36.76	4.14	25.14	33.00	7.96	40.96
		2	100	-10	300	2150	11	265.93	24.41	144.45	314.25	30.87	345.12
		3	70	29	289	2100	11	23.93	4.23	24.41	27.32	8.07	35.39
		4	69	30	283	2050	11	27.23	4.39	24.64	30.43	3.28	33.71
	Bc	1	58	56	751	2050	37	4.84	6.23	26.95	14.33	6.22	20.56
		2	79	14	1024	2050	37	9.04	7.27	31.81	36.54	8.15	44.69
		3	83	8	1036	2050	37	14.55	19.77	87.36	59.44	19.95	79.39
	Bcf	1	75	21	1689	2263	60	2.33	1.09	10.02	15.50	0.00	15.50
		2	33	171	751	2263	60	0.39	0.08	0.75	1.17	0.00	1.17
		3	45	99	1024	2263	60	0.66	0.19	1.72	2.66	0.00	2.66
		4	46	97	1036	2263	60	0.67	0.19	1.78	2.74	0.00	2.74
	Bf	1	95	-6	527	1800	60	221.13	45.29	114.32	459.76	28.80	488.55
		2	32	183	573	1800	60	0.47	0.07	0.19	1.05	0.00	1.05
	C	1	98	-8	481	2100	13	179.87	28.81	136.74	341.41	20.10	361.51
		2	84	7	430	2200	13	39.01	8.47	39.82	66.16	6.27	72.43
		3	30	199	144	2050	13	20.61	1.98	9.18	11.71	1.49	13.20
	Cf	1	106	-15	508	1965	60	239.70	41.39	164.58	480.30	24.57	504.87
		2	29	208	574	1965	60	0.38	0.06	0.24	0.86	0.00	0.86
	D	1	60	49	413	2050	19	29.22	6.56	68.63	47.59	12.63	60.22
		2	77	17	473	1850	19	35.46	8.31	86.84	66.16	15.89	82.05
		3	69	31	482	2250	19	26.88	6.98	71.52	51.10	13.47	64.57
	Dc	1	69	30	762	2100	31	11.21	6.60	74.91	33.72	13.00	46.72
		2	76	19	848	2100	31	13.60	7.13	84.09	45.50	13.78	59.28
		3	25	267	275	2100	31	10.12	2.36	28.99	10.97	3.63	14.60
		4	38	136	427	2100	31	20.43	5.90	75.68	34.42	12.10	46.51
	Dcf	1	57	59	1163	2050	60	1.15	0.37	3.23	5.26	0.00	5.26
		2	78	16	1528	2100	60	3.45	3.99	34.84	20.81	4.72	25.53
		3	43	108	848	2100	60	1.00	2.42	20.29	3.35	1.42	4.76
		4	13	588	275	2100	60	0.13	0.01	0.08	0.14	0.00	0.14
		5	21	336	427	2100	60	0.28	2.35	20.16	0.46	0.41	0.87
	Df	1	63	43	874	1900	43	6.12	7.57	21.75	21.09	5.24	26.33
		2	29	208	482	2250	43	3.17	2.74	7.87	6.03	1.89	7.92
	Dxp	1	85	6	1218	2050	41	7.61	3.90	48.15	36.55	7.20	43.75
		2	53	68	767	2050	41	1.50	0.39	4.58	4.54	0.73	5.27
	Ec	1	81	11	729	2150	24	17.50	8.24	94.62	50.35	16.08	66.43
		2	72	25	678	2263	24	16.15	6.25	74.19	43.17	12.21	55.38
		3	57	57	540	2263	24	21.23	7.34	90.20	45.25	14.12	59.37
		4	42	113	392	2250	24	8.63	2.47	30.97	13.33	3.54	16.88
	Ecf	1	55	64	862	2100	60	6.59	5.70	71.39	22.42	11.28	33.71
		2	59	52	1161	2100	60	1.56	2.75	34.04	7.15	3.03	10.18
		3	30	201	678	2263	60	0.34	0.06	0.78	0.91	0.00	0.91
		4	65	39	979	2300	60	2.61	2.85	32.49	10.09	2.37	12.46
	Ef	1	45	99	859	1900	60	0.78	0.19	0.84	2.65	0.00	2.65
		2	112	-20	627	1900	60	226.74	46.22	208.37	560.76	19.76	580.53
	Exp	1	62	46	862	2050	40	9.48	7.34	81.44	32.26	14.06	46.32
		2	31	192	432	2050	40	10.31	5.79	62.03	17.57	11.14	28.71
16:30-17:30	F	1	42	116	233	2100	15	20.45	3.13	21.11	18.79	6.01	24.80
		2	53	70	297	2100	15	22.41	4.09	27.45	26.25	7.87	34.12
		3	83	9	463	2100	15	35.24	8.11	53.42	64.36	15.40	79.75

	Fc	1	58	56	785	2263	35	4.65	7.30	22.90	14.40	6.57	20.97
		2	48	87	631	2263	35	6.45	8.73	27.66	16.05	7.81	23.86
		3	100	-10	919	2263	35	122.97	45.39	144.77	445.57	55.42	501.00
	Ff	1	28	223	530	1900	60	0.37	0.05	0.11	0.77	0.00	0.77
		2	24	269	463	1900	60	0.31	0.04	0.08	0.56	0.00	0.56
	G	1	100	-10	304	2050	13	370.85	35.34	130.12	443.99	23.19	467.18
		2	66	35	303	2050	13	36.34	5.32	20.04	43.41	10.04	53.46
	Gf	1	33	174	300	2050	60	24.35	4.68	69.18	28.80	9.01	37.81
		2	13	609	260	2050	60	0.14	2.33	34.82	0.14	0.11	0.25
	xA	1	46	95	930	2263	60	0.87	2.52	6.30	3.19	1.15	4.34
		2	30	198	683	2263	60	0.34	0.07	0.16	0.93	0.00	0.93
	xB	1	0	Unrestricted	1350	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	102	-12	688	1900	60	145.25	34.72	172.68	394.27	33.79	428.06
		2	89	1	634	1900	60	26.28	12.53	62.11	65.71	15.56	81.27
	xD	1	0	Unrestricted	1218	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	767	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	0	Unrestricted	862	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	432	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	0	Unrestricted	846	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	64	40	725	2050	32	13.46	13.40	80.39	38.51	20.50	59.01
	E1	1	35	156	312	2050	25	12.46	3.22	23.13	15.34	6.18	21.52
		2	104	-13	547	2200	25	128.55	23.08	165.89	277.36	35.69	313.05
	Gf1	1	7	1126	47	640	60	0.22	0.00	0.03	0.04	0.00	0.04
	Cc2	2	91	-1	1069	2150	33	25.01	16.78	105.36	105.45	47.47	152.93
		3	55	64	639	2050	33	9.75	4.28	27.55	24.58	8.29	32.86
		4	99	-9	1194	2150	33	53.73	26.91	173.90	253.15	55.06	308.21
		5	24	269	283	2050	33	0.50	0.04	0.25	0.56	0.00	0.56
	E2	3	100	-10	299	2150	25	167.71	15.01	162.05	198.03	20.67	218.71
		4	29	206	261	2050	25	4.79	2.38	25.19	4.93	1.25	6.18
	TC5	2	49	85	751	2263	39	3.58	3.13	78.08	10.61	2.35	12.97
		3	44	104	683	2263	39	1.76	1.62	40.56	4.75	0.69	5.44
		4	0	-100	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	100	-10	963	1925	27	86.17	30.97	194.18	327.16	21.02	348.18
		2	65	38	642	1966	27	14.56	7.94	49.59	36.88	5.69	42.57
		3	73	23	711	1947	27	16.76	9.11	56.51	47.01	6.82	53.83
	TC35	1	14	553	179	1900	39	2.40	1.46	34.76	1.69	0.69	2.38
	TC36	1	32	186	567	1800	60	0.46	0.07	1.65	1.03	0.00	1.03
	TC37	1	8	1060	110	1850	45	1.86	0.43	5.59	0.81	0.90	1.71
	TC38	1	25	256	110	436	60	2.99	2.46	66.30	1.30	1.41	2.70
	TC39	2	33	171	751	2263	60	0.39	0.08	1.34	1.17	0.00	1.17
		3	30	198	683	2263	60	0.34	0.07	1.13	0.93	0.00	0.93
	TC40	2	0	Unrestricted	861	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		3	0	Unrestricted	683	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	TC41	1	92	-3	228	1850	7	85.12	7.18	75.60	76.55	13.35	89.89
		2	93	-3	229	1850	7	86.98	7.33	76.55	78.57	13.55	92.12
	TC42	1	0	-100	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	TC43	1	0	Unrestricted	0	1800	60	0.00	0.00	0.00	0.00	0.00	0.00
	47	1	100	-10	1300	1300	60	48.58	17.54	75.48	249.09	0.00	249.09
	48	1	55	63	1082	1965	60	1.12	0.34	3.51	4.78	0.00	4.78
	49	1	120	-25	1175	1900	60	320.17	117.17	2567.34	1483.92	39.09	1523.00
		2	71	26	1353	1900	60	2.33	0.88	19.18	12.43	0.00	12.43
	50	1	129	-30	1421	1900	60	418.77	180.28	2153.09	2347.25	47.79	2395.04
	51	1	52	72	993	1900	60	1.04	0.29	4.38	4.06	0.00	4.06
	52	1	5	1700	12	1800	7	23.36	0.17	0.50	1.11	0.13	1.23
	53	1	6	1523	15	1800	8	13.49	0.18	1.12	0.80	0.13	0.92
	54	1	125	-28	1689	1800	44	380.75	193.71	4455.38	2536.86	57.27	2594.14
	55	1	63	44	846	1800	44	16.50	13.77	395.87	55.06	10.29	65.35

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	822	822	133	✓	2050	991	83		9	0.75	28
		2	372	372	61	✓	2050	991	38		140	0.73	28
		3	652	652	2	✓	2050	991	66		37	0.98	28
		4	942	942	0		2050	991	95	✓	-5	0.83	28
	Ac	1	867	867	18	✓	2263	867	100	✓	-10	0.91	22
		2	292	292	-1		2263	796	37		145	1.70	22
		3	553	553	2	✓	2263	860	64		40	1.16	22
	Acf	1	1160	1159	16	✓	2263	1159	100	✓	-10	0.66	60
		2	553	553	2	✓	2263	2263	24		268	1.16	60
	Af	1	1194	1194	195	✓	2050	2050	58		55	0.74	60
		2	652	652	2	✓	2050	2050	32		183	0.98	60
		3	942	942	0		2050	2050	46		96	0.83	60
	B	1	228	228	65	✓	2050	408	56		61	1.06	11
		2	300	300	87	✓	2150	300	100	✓	-10	1.06	11
		3	289	289	84	✓	2100	414	70		29	0.64	11
		4	283	283	82	✓	2050	410	69		30	0.64	11
	Bc	1	751	751	60	✓	2050	1298	58		56	0.91	37
		2	1024	1024	4	✓	2050	1295	79		14	0.76	37
		3	1036	1036	0		2050	1245	83		8	0.86	37
	Bcf	1	1689	1689	151	✓	2263	2263	75		21	0.37	60
		2	751	751	60	✓	2263	2263	33		171	0.91	60
		3	1024	1024	4	✓	2263	2263	45		99	0.76	60
		4	1036	1036	0		2263	2263	46		97	0.86	60
	Bf	1	527	527	153	✓	1800	553	95	✓	-6	0.64	60
		2	573	573	166	✓	1800	1800	32		183	0.64	60
	C	1	481	481	27	✓	2100	490	98	✓	-8	1.24	13
		2	430	430	0		2200	513	84		7	0.00	13
		3	144	144	0		2050	478	30		199	0.00	13
	Cf	1	508	481	0		1965	481	106	✓	-15	0.00	60
		2	574	574	0		1965	1965	29		208	0.00	60
	D	1	413	413	0		2050	683	60		49	0.53	19
		2	473	473	0		1850	617	77		17	0.52	19
		3	482	482	0		2250	703	69		31	0.53	19
	Dc	1	762	762	58	✓	2100	1104	69		30	0.58	31
		2	848	848	66	✓	2100	1120	76		19	0.68	31
		3	275	275	30	✓	2100	1120	25		267	1.00	31
		4	427	427	82	✓	2100	1120	38		136	1.33	31
	Dcf	1	1163	1163	87	✓	2050	2050	57		59	0.74	60
		2	1528	1528	82	✓	2100	1967	78		16	0.40	60
		3	848	848	66	✓	2100	1961	43		108	0.70	60
		4	275	275	30	✓	2100	2100	13		588	1.00	60
		5	427	427	82	✓	2100	2071	21		336	1.35	60
	Df	1	874	874	0		1900	1393	63		43	0.00	43
		2	482	482	0		2250	1650	29		208	0.00	43
	Dxp	1	1218	1218	32	✓	2050	1435	85		6	0.67	41
		2	767	767	22	✓	2050	1435	53		68	0.82	41
	Ec	1	729	729	3	✓	2150	896	81		11	0.81	24
		2	678	678	30	✓	2263	943	72		25	0.85	24
		3	540	540	82	✓	2263	943	57		57	0.93	24
		4	392	392	0		2250	926	42		113	1.41	24
	Ecf	1	862	862	58	✓	2100	1569	55		64	0.88	60
		2	1161	1161	66	✓	2100	1964	59		52	0.73	60
		3	678	678	30	✓	2263	2263	30		201	0.85	60
		4	979	979	82	✓	2300	1517	65		39	1.07	60

16:30-17:30	Ef	1	859	859	-1	✓	1900	1900	45		99	0.00	60
		2	627	560	0		1900	560	112	✓	-20	0.00	60
	Exp	1	862	862	58	✓	2050	1401	62		46	0.79	40
		2	432	432	63	✓	2050	1401	31		192	1.13	40
	F	1	233	233	0		2100	560	42		116	0.00	15
		2	297	297	-1		2100	560	53		70	0.00	15
		3	463	463	-1		2100	560	83		9	0.00	15
	Fc	1	785	785	30	✓	2263	1358	58		56	0.99	35
		2	631	631	82	✓	2263	1314	48		87	0.96	35
		3	919	918	19	✓	2263	918	100	✓	-10	0.86	35
	Ff	1	530	530	-1		1900	1900	28		223	0.00	60
		2	463	463	-1		1900	1900	24		269	0.00	60
	G	1	304	303	35	✓	2050	303	100	✓	-10	1.09	13
		2	303	293	32	✓	2050	456	66		35	1.08	13
	Gf	1	300	300	35	✓	2050	913	33		174	1.44	60
		2	260	260	32	✓	2050	2047	13		609	1.36	60
	xA	1	930	930	28	✓	2263	2014	46		95	0.86	60
		2	683	683	85	✓	2263	2263	30		198	1.15	60
	xB	1	1350	1350	490	✓	Unrestricted	Unrestricted	0		Unrestricted	0.44	60
	xC	1	688	673	67	✓	1900	673	102	✓	-12	0.75	60
		2	634	627	73	✓	1900	713	89		1	0.94	60
	xD	1	1218	1218	32	✓	Unrestricted	Unrestricted	0		Unrestricted	0.62	60
		2	767	767	22	✓	Unrestricted	Unrestricted	0		Unrestricted	0.73	60
	xE	1	862	862	58	✓	Unrestricted	Unrestricted	0		Unrestricted	0.86	60
		2	432	432	63	✓	Unrestricted	Unrestricted	0		Unrestricted	1.12	60
	xF	1	846	846	0		Unrestricted	Unrestricted	0		Unrestricted	0.81	60
	Cc1	1	725	725	63	✓	2050	1128	64		40	0.91	32
	E1	1	312	312	0		2050	888	35		156	0.00	25
		2	547	527	-1	✓	2200	528	104	✓	-13	0.00	25
	Gf1	1	47	47	0		640	640	7		1126	1.33	60
	Cc2	2	1069	1069	82	✓	2150	1178	91	✓	-1	0.63	33
		3	639	639	85	✓	2050	1162	55		64	0.72	33
		4	1194	1194	72	✓	2150	1212	99	✓	-9	0.54	33
		5	283	283	82	✓	2050	1162	24		269	1.60	33
	E2	3	299	300	36	✓	2150	300	100	✓	-10	1.15	25
		4	261	260	31	✓	2050	888	29		206	1.15	25
	TC5	2	751	751	14	✓	2263	1546	49		85	0.87	39
		3	683	683	85	✓	2263	1546	44		104	1.15	39
		4	0	0	0		0	0	0		-100	0.00	0
	TC9	1	963	963	194	✓	1925	963	100	✓	-10	0.81	27
		2	642	642	0		1966	983	65		38	0.00	27
		3	711	711	0		1947	974	73		23	0.00	27
	TC35	1	179	179	14	✓	1900	1298	14		553	1.10	39
	TC36	1	567	567	0		1800	1800	32		186	0.00	60
	TC37	1	110	110	0		1850	1418	8		1060	0.00	45
	TC38	1	110	110	0		436	436	25		256	0.47	60
	TC39	2	751	751	14	✓	2263	2263	33		171	1.04	60
		3	683	683	85	✓	2263	2263	30		198	1.23	60
	TC40	2	861	861	14	✓	Unrestricted	Unrestricted	0		Unrestricted	0.74	60
		3	683	683	85	✓	Unrestricted	Unrestricted	0		Unrestricted	1.12	60
	TC41	1	228	228	1		1850	247	92	✓	-3	0.00	7
		2	229	229	-1		1850	247	93	✓	-3	0.00	7
	TC42	1	0	0	0		0	0	0		-100	0.00	0
	TC43	1	0	0	0		1800	1800	0		Unrestricted	0.00	60
	47	1	1300	1300	162	✓	1300	1300	100	✓	-10	0.00	60
	48	1	1082	1082	0		1965	1965	55		63	0.00	60
	49	1	1175	977	-1	✓	1900	977	120	✓	-25	0.00	60
		2	1353	1353	0		1900	1900	71		26	0.00	60

	50	**1**	1421	1100	-2	✓	1900	1100	129	✓	-30	0.00	60
	51	**1**	993	993	-2		1900	1900	52		72	0.00	60
	52	**1**	12	12	0		1800	240	5		1700	0.00	7
	53	**1**	15	15	3	✓	1800	270	6		1523	0.74	8
	54	**1**	1689	1350	151	✓	1800	1350	125	✓	-28	0.32	44
	55	**1**	846	846	0		1800	1350	63		44	0.93	44

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	23.12	5.28	74.95	73.21	601.55	19.31
		2	5.77	13.41	1.39	19.69	60.21	224.08	7.19
		3	5.90	9.54	1.73	24.54	30.88	201.33	6.46
		4	6.03	37.27	9.75	138.43	89.92	846.78	27.18
	Ac	**1**	7.19	95.62	23.04	327.21	190.90	1656.06	53.16
		2	9.50	33.58	2.72	38.68	108.93	318.07	5.43
		3	6.60	6.25	0.96	13.65	22.47	124.36	3.99
	Acf	**1**	5.22	63.82	20.56	291.93	131.13	1520.39	48.80
		2	7.24	0.26	0.04	0.56	0.00	0.00	0.00
	Af	**1**	6.66	1.22	0.41	5.75	0.00	0.00	0.00
		2	6.64	0.41	0.07	1.05	0.00	0.00	0.00
		3	6.67	0.75	0.19	2.77	0.00	0.00	0.00
	B	**1**	7.10	36.76	2.32	33.00	108.93	247.91	7.96
		2	7.29	265.93	22.13	314.25	321.06	961.82	30.87
		3	7.48	23.93	1.92	27.32	86.86	251.41	8.07
		4	12.29	27.23	2.14	30.43	92.32	261.49	3.28
	Bc	**1**	11.96	4.84	1.01	14.33	37.16	279.14	6.22
		2	11.83	9.04	2.57	36.54	35.67	365.44	8.15
		3	11.71	14.55	4.19	59.44	86.41	894.89	19.95
	Bcf	**1**	4.32	2.33	1.09	15.50	0.00	0.00	0.00
		2	5.32	0.39	0.08	1.17	0.00	0.00	0.00
		3	5.63	0.66	0.19	2.66	0.00	0.00	0.00
		4	6.35	0.67	0.19	2.74	0.00	0.00	0.00
	Bf	**1**	27.34	221.13	32.38	459.76	435.64	2296.55	28.80
		2	27.41	0.47	0.07	1.05	0.00	0.00	0.00
	C	**1**	14.54	179.87	24.04	341.41	333.05	1602.68	20.10
		2	14.68	39.01	4.66	66.16	116.31	500.14	6.27
		3	14.92	20.61	0.82	11.71	82.68	119.06	1.49
	Cf	**1**	17.35	239.70	33.82	480.30	407.14	1959.25	24.57
		2	17.50	0.38	0.06	0.86	0.00	0.00	0.00
	D	**1**	4.13	29.22	3.35	47.59	95.25	393.37	12.63
		2	4.13	35.46	4.66	66.16	104.69	495.18	15.89
		3	4.21	26.88	3.60	51.10	87.06	419.61	13.47
	Dc	**1**	3.80	11.21	2.37	33.72	53.11	404.94	13.00
		2	3.65	13.60	3.20	45.50	50.60	429.24	13.78
		3	3.51	10.12	0.77	10.97	41.13	113.01	3.63
		4	3.36	20.43	2.42	34.42	88.23	376.86	12.10
	Dcf	**1**	4.95	1.15	0.37	5.26	0.00	0.00	0.00
		2	4.94	3.45	1.47	20.81	9.63	147.10	4.72
		3	5.34	1.00	0.24	3.35	5.41	45.87	1.42
		4	6.43	0.13	0.01	0.14	0.01	0.02	0.00
		5	5.02	0.28	0.03	0.46	2.97	12.69	0.41
	Df	**1**	24.00	6.12	1.49	21.09	47.81	417.82	5.24
		2	24.00	3.17	0.42	6.03	31.32	150.97	1.89
	Dxp	**1**	3.50	7.61	2.57	36.55	18.41	224.31	7.20
		2	3.65	1.50	0.32	4.54	2.95	22.65	0.73
		1	3.76	17.50	3.55	50.35	68.70	501.00	16.08

16:30-17:30	Ec	2	3.63	16.15	3.04	43.17	56.15	380.52	12.21
		3	3.51	21.23	3.19	45.25	81.44	439.99	14.12
		4	3.44	8.63	0.94	13.33	28.19	110.35	3.54
	Ecf	1	3.45	6.59	1.58	22.42	40.75	351.47	11.28
		2	3.48	1.56	0.50	7.15	8.13	94.46	3.03
		3	3.52	0.34	0.06	0.91	0.00	0.00	0.00
		4	3.94	2.61	0.71	10.09	7.89	77.27	2.37
	Ef	1	15.31	0.78	0.19	2.65	0.00	0.00	0.00
		2	15.31	226.74	39.49	560.76	281.33	1576.28	19.76
	Exp	1	3.89	9.48	2.27	32.26	50.77	437.92	14.06
		2	4.03	10.31	1.24	17.57	80.36	347.11	11.14
	F	1	6.38	20.45	1.32	18.79	80.41	187.35	6.01
		2	6.43	22.41	1.85	26.25	82.59	245.29	7.87
		3	6.54	35.24	4.53	64.36	103.61	479.72	15.40
	Fc	1	19.09	4.65	1.01	14.40	50.17	393.65	6.57
		2	18.92	6.45	1.13	16.05	74.25	468.70	7.81
		3	19.54	122.97	31.38	445.57	390.74	3585.04	55.42
	Ff	1	33.09	0.37	0.05	0.77	0.00	0.00	0.00
		2	33.05	0.31	0.04	0.56	0.00	0.00	0.00
	G	1	16.06	370.85	31.27	443.99	447.86	1358.53	23.19
		2	11.45	36.34	3.06	43.41	106.63	312.86	10.04
	Gf	1	2.92	24.35	2.03	28.80	93.69	280.63	9.01
		2	2.88	0.14	0.01	0.14	1.28	3.33	0.11
	xA	1	17.22	0.87	0.22	3.19	3.84	35.72	1.15
		2	17.25	0.34	0.07	0.93	0.00	0.00	0.00
	xB	1	7.61	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	8.67	145.25	27.77	394.27	156.71	1052.73	33.79
		2	8.70	26.28	4.63	65.71	77.30	484.64	15.56
	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	12.14	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	6.52	13.46	2.71	38.51	71.42	518.05	20.50
	E1	1	6.00	12.46	1.08	15.34	61.75	192.65	6.18
		2	6.00	128.55	19.53	277.36	210.96	1111.95	35.69
	Gf1	1	3.69	0.22	0.00	0.04	0.00	0.00	0.00
	Cc2	2	6.59	25.01	7.43	105.45	121.71	1300.84	47.47
		3	6.89	9.75	1.73	24.58	40.12	256.42	8.29
		4	6.36	53.73	17.83	253.15	125.02	1493.36	55.06
		5	7.98	0.50	0.04	0.56	0.00	0.00	0.00
	E2	3	4.00	167.71	13.95	198.03	214.81	644.11	20.67
		4	4.07	4.79	0.35	4.93	15.02	39.02	1.25
	TC5	2	2.76	3.58	0.75	10.61	24.98	187.57	2.35
		3	2.76	1.76	0.33	4.75	8.03	54.90	0.69
		4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	11.00	86.17	23.04	327.16	174.18	1676.46	21.02
		2	11.05	14.56	2.60	36.88	70.72	454.04	5.69
		3	11.12	16.76	3.31	47.01	76.51	544.00	6.82
	TC35	1	2.90	2.40	0.12	1.69	30.63	54.84	0.69
	TC36	1	3.03	0.46	0.07	1.03	0.00	0.00	0.00
	TC37	1	3.19	1.86	0.06	0.81	23.51	25.86	0.90
	TC38	1	1.53	2.99	0.09	1.30	36.71	40.39	1.41
	TC39	2	2.54	0.39	0.08	1.17	0.00	0.00	0.00
		3	2.40	0.34	0.07	0.93	0.00	0.00	0.00
	TC40	2	4.23	0.00	0.00	0.00	0.00	0.00	0.00
		3	4.02	0.00	0.00	0.00	0.00	0.00	0.00

	TC41	1	3.93	85.12	5.39	76.55	168.08	383.21	13.35
		2	3.97	86.98	5.53	78.57	169.94	389.16	13.55
	TC42	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC43	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	47	1	16.04	48.58	17.54	249.09	0.00	0.00	0.00
	48	1	6.61	1.12	0.34	4.78	0.00	0.00	0.00
	49	1	3.15	320.17	104.50	1483.92	318.92	3117.33	39.09
		2	3.15	2.33	0.88	12.43	0.00	0.00	0.00
	50	1	5.78	418.77	165.30	2347.25	346.54	3811.42	47.79
	51	1	4.50	1.04	0.29	4.06	0.00	0.00	0.00
	52	1	24.00	23.36	0.08	1.11	85.35	10.24	0.13
	53	1	11.01	13.49	0.06	0.80	67.93	10.17	0.13
	54	1	3.00	380.75	178.65	2536.86	338.36	4567.81	57.27
	55	1	2.40	16.50	3.88	55.06	97.00	820.58	10.29

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	9.89	12.96	76.34	0.00	0.00	
		2	0.00	3.61	13.37	27.01	0.00	6.00	
		3	0.00	3.25	13.67	23.80	0.00	8.00	
		4	0.00	16.20	13.97	115.91	0.00	0.00	
	Ac	1	0.00	30.47	16.66	182.87	0.00	0.00	
		2	0.00	5.36	16.06	33.37	0.00	14.89	
		3	0.00	2.89	15.30	18.92	0.00	4.19	
	Acf	1	0.00	27.78	12.10	229.57	0.00	29.26	
		2	0.00	0.04	12.25	0.32	0.00	28.00	
	Af	1	0.00	0.41	9.65	4.20	0.00	21.00	
		2	0.00	0.07	9.63	0.77	0.00	29.00	
		3	0.00	0.19	9.67	2.02	0.00	21.00	
	B	1	0.00	4.14	16.46	25.14	0.00	5.06	
		2	0.00	24.41	16.90	144.45	0.00	3.64	
		3	0.00	4.23	17.34	24.41	0.00	0.17	
		4	0.00	4.39	17.81	24.64	0.00	0.00	
	Bc	1	0.00	6.23	23.10	26.95	0.00	4.00	
		2	0.00	7.27	22.87	31.81	0.00	4.10	
		3	0.00	19.77	22.63	87.36	0.00	1.57	
	Bcf	1	0.00	1.09	10.90	10.02	0.00	60.00	
		2	0.00	0.08	10.98	0.75	0.00	18.00	
		3	0.00	0.19	10.84	1.72	0.00	20.00	
		4	0.00	0.19	10.83	1.78	0.00	15.00	
	Bf	1	0.00	45.29	39.62	114.32	0.00	41.56	
		2	0.00	0.07	39.73	0.19	0.00	2.00	
	C	1	0.00	28.81	21.07	136.74	0.00	0.00	
		2	0.00	8.47	21.28	39.82	0.00	0.00	
		3	0.00	1.98	21.63	9.18	0.00	0.00	
	Cf	1	0.00	41.39	25.15	164.58	0.00	45.31	
		2	0.00	0.06	25.37	0.24	0.00	0.00	
	D	1	0.00	6.56	9.57	68.63	0.00	6.00	
		2	0.00	8.31	9.57	86.84	0.00	3.00	
		3	0.00	6.98	9.76	71.52	0.00	6.26	
	Dc	1	0.00	6.60	8.81	74.91	0.00	3.46	
		2	0.00	7.13	8.47	84.09	0.00	6.00	
		3	0.00	2.36	8.14	28.99	0.00	9.00	
		4	0.00	5.90	7.80	75.68	0.00	14.00	
	Dcf	1	0.00	0.37	11.47	3.23	0.00	13.00	
		2	0.00	3.99	11.46	34.84	0.00	13.80	
		3	0.00	2.42	11.93	20.29	0.00	15.98	

		4	0.00	0.01	11.60	0.08	0.00	23.00	
		5	0.00	2.35	11.64	20.16	0.00	34.83	
	Df	1	0.00	7.57	34.78	21.75	0.00	0.00	
		2	0.00	2.74	34.78	7.87	0.00	0.00	
	Dxp	1	0.00	3.90	8.11	48.15	0.00	1.00	
		2	0.00	0.39	8.46	4.58	0.00	3.00	
	Ec	1	0.00	8.24	8.71	94.62	0.00	17.00	
		2	0.00	6.25	8.42	74.19	0.00	3.00	
		3	0.00	7.34	8.13	90.20	0.00	0.00	
		4	0.00	2.47	7.99	30.97	0.00	10.31	
	Ecf	1	0.00	5.70	7.99	71.39	0.00	25.16	
		2	0.00	2.75	8.06	34.04	0.00	20.89	
		3	0.00	0.06	8.16	0.78	0.00	20.00	
		4	0.00	2.85	8.76	32.49	0.00	30.42	
	Ef	1	0.00	0.19	22.18	0.84	0.00	0.00	
		2	0.00	46.22	22.18	208.37	0.00	42.31	
	Exp	1	0.00	7.34	9.01	81.44	0.00	6.00	
		2	0.00	5.79	9.34	62.03	0.00	20.00	
16:30-17:30	F	1	0.00	3.13	14.80	21.11	0.00	0.00	
		2	0.00	4.09	14.91	27.45	0.00	0.00	
		3	0.00	8.11	15.17	53.42	0.00	0.00	
	Fc	1	0.00	7.30	31.86	22.90	0.00	6.00	
		2	0.00	8.73	31.56	27.66	0.00	7.16	
		3	0.00	45.39	31.35	144.77	0.00	11.67	
	Ff	1	0.00	0.05	47.95	0.11	0.00	0.00	
		2	0.00	0.04	47.89	0.08	0.00	0.00	
	G	1	0.00	35.34	27.16	130.12	0.00	5.12	
		2	0.00	5.32	26.54	20.04	0.00	4.66	
	Gf	1	0.00	4.68	6.76	69.18	0.00	50.28	
		2	0.00	2.33	6.69	34.82	0.00	39.08	
	xA	1	0.00	2.52	39.94	6.30	0.00	20.60	
		2	0.00	0.07	39.99	0.16	0.00	23.00	
	xB	1	0.00	0.00	11.04	0.00	0.00	7.00	
	xC	1	0.00	34.72	20.10	172.68	0.00	38.76	
		2	0.00	12.53	20.17	62.11	0.00	39.50	
	xD	1	0.00	0.00	21.17	0.00	0.00	11.00	
		2	0.00	0.00	21.35	0.00	0.00	14.00	
	xE	1	0.00	0.00	30.24	0.00	0.00	15.00	
		2	0.00	0.00	30.23	0.00	0.00	29.00	
	xF	1	0.00	0.00	17.59	0.00	0.00	9.00	
	Cc1	1	0.00	13.40	16.67	80.39	0.00	6.00	
	E1	1	0.00	3.22	13.91	23.13	0.00	13.00	
		2	0.00	23.08	13.91	165.89	0.00	11.61	
	Gf1	1	0.00	0.00	8.57	0.03	0.00	44.00	
	Cc2	2	0.00	16.78	15.93	105.36	0.00	2.12	
		3	0.00	4.28	15.52	27.55	0.00	5.00	
		4	0.00	26.91	15.47	173.90	0.00	0.17	
		5	0.00	0.04	15.42	0.25	0.00	22.00	
	E2	3	0.00	15.01	9.27	162.05	0.00	17.63	
		4	0.00	2.38	9.45	25.19	0.00	6.00	
	TC5	2	0.00	3.13	4.01	78.08	0.00	10.00	
		3	0.00	1.62	4.00	40.56	0.00	15.00	
		4	0.00	0.00	4.25	0.00	0.00	0.00	
	TC9	1	0.00	30.97	15.95	194.18	0.00	0.00	
		2	0.00	7.94	16.02	49.59	0.00	0.00	
		3	0.00	9.11	16.12	56.51	0.00	0.00	
	TC35	1	0.00	1.46	4.20	34.76	0.00	12.00	
	TC36	1	0.00	0.07	4.39	1.65	0.00	0.00	

	TC37	1	0.00	0.43	7.71	5.59	0.00	0.00	
	TC38	1	0.00	2.46	3.71	66.30	0.00	2.00	
	TC39	2	0.00	0.08	6.13	1.34	0.00	29.00	
		3	0.00	0.07	5.79	1.13	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	26.00	
	TC41	1	0.00	7.18	9.50	75.60	0.00	0.00	
		2	0.00	7.33	9.58	76.55	0.00	0.00	
	TC42	1	0.00	0.00	4.06	0.00	0.00	0.00	
	TC43	1	0.00	0.00	9.04	0.00	0.00	60.00	
	47	1	0.00	17.54	23.24	75.48	0.00	0.00	
	48	1	0.00	0.34	9.59	3.51	0.00	0.00	
	49	1	0.00	117.17	4.56	2567.34	0.00	29.13	
		2	0.00	0.88	4.56	19.18	0.00	0.00	
	50	1	0.00	180.28	8.37	2153.09	0.00	25.27	
	51	1	0.00	0.29	6.52	4.38	0.00	0.00	
	52	1	0.00	0.17	34.78	0.50	0.00	7.00	
	53	1	0.00	0.18	15.95	1.12	0.00	8.00	
	54	1	0.00	193.71	4.35	4455.38	0.00	0.00	
	55	1	0.00	13.77	3.48	395.87	0.00	3.00	

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	✓	9.92	1.98	9.81	1.00	0.00	94.26
		2	0.00	0.00	✓	3.61	0.11	3.61	1.00	0.00	26.88
		3	0.00	0.00	✓	3.26	0.63	3.25	1.00	0.00	31.00
		4	0.00	0.00	✓	17.03	7.73	15.29	1.00	0.00	165.61
	Ac	1	0.00	0.00		36.57	20.69	36.51	1.00	0.00	380.36
		2	0.00	0.00		5.36	0.11	4.97	1.00	0.00	44.10
		3	0.00	0.00		2.90	0.58	2.08	1.00	0.00	17.64
	Acf	1	0.00	0.00		34.88			1.00	0.00	340.74
		2	0.00	0.00		0.04			1.00	0.00	0.56
	Af	1	0.00	0.00	✓	0.41			1.00	0.00	5.75
		2	0.00	0.00	✓	0.07			1.00	0.00	1.05
		3	0.00	0.00	✓	0.20			1.00	0.00	2.77
	B	1	0.00	0.00		4.14	0.35	4.14	1.00	0.00	40.96
		2	0.00	0.00		27.99	21.40	27.99	1.00	0.00	345.12
		3	0.00	0.00		4.24	0.80	4.09	1.00	0.00	35.39
		4	0.00	0.00		4.40	0.76	4.12	1.00	0.00	33.71
	Bc	1	0.00	0.00	✓	6.23	0.40	4.27	1.00	0.00	20.56
		2	0.00	0.00		7.29	1.49	5.63	1.00	0.00	44.69
		3	0.00	0.00		19.79	2.03	7.52	1.00	0.00	79.39
	Bcf	1	0.00	0.00		1.10			1.00	0.00	15.50
		2	0.00	0.00	✓	0.08			1.00	0.00	1.17
		3	0.00	0.00		0.19			1.00	0.00	2.66
		4	0.00	0.00	✓	0.19			1.00	0.00	2.74
	Bf	1	0.00	0.00		46.38			1.00	0.00	488.55
		2	0.00	0.00		0.07			1.00	0.00	1.05
		1	0.00	0.00	✓	31.54	18.70	31.54	1.00	0.00	361.51
		3	0.00	0.00	✓	1.98	0.06	1.94	1.00	0.00	13.20
	Cf	1	0.00	0.00		55.79			1.00	0.00	504.87
		2	0.00	0.00	✓	0.06			1.00	0.00	0.86
	D	1	0.00	0.00	✓	6.57	0.46	6.57	1.00	0.00	60.22
		2	0.00	0.00	✓	8.32	1.25	8.10	1.00	0.00	82.05
		3	0.00	0.00	✓	6.99	0.85	6.99	1.00	0.00	64.57

16:30-17:30	Dc	1	0.00	0.00		6.60	0.77	5.29	1.00	0.00	46.72
		2	0.00	0.00		7.13	1.17	6.47	1.00	0.00	59.28
		3	0.00	0.00		2.36	0.04	1.88	1.00	0.00	14.60
		4	0.00	0.00		5.90	0.12	4.84	1.00	0.00	46.51
	Dcf	1	0.00	0.00		0.37			1.00	0.00	5.26
		2	0.00	0.00		4.00			1.00	0.00	25.53
		3	0.00	0.00		2.42			1.00	0.00	4.76
		4	0.00	0.00		0.01			1.00	0.00	0.14
		5	0.00	0.00		2.35			1.00	0.00	0.87
	Df	1	0.00	0.00	✓	7.57	0.53	4.41	1.00	0.00	26.33
		2	0.00	0.00	✓	2.74	0.06	2.20	1.00	0.00	7.92
	Dxp	1	0.00	0.00	✓	3.94	2.35	3.92	1.00	0.00	43.75
		2	0.00	0.00	✓	0.39	0.31	0.39	1.00	0.00	5.27
	Ec	1	0.00	0.00		8.27	1.76	7.47	1.00	0.00	66.43
		2	0.00	0.00		6.25	0.91	6.20	1.00	0.00	55.38
		3	0.00	0.00		7.34	0.38	7.34	1.00	0.00	59.37
		4	0.00	0.00		2.47	0.15	1.84	1.00	0.00	16.88
	Ecf	1	0.00	0.00		5.70			1.00	0.00	33.71
		2	0.00	0.00		2.75			1.00	0.00	10.18
		3	0.00	0.00		0.06			1.00	0.00	0.91
		4	0.00	0.00		2.85			1.00	0.00	12.46
	Ef	1	0.00	0.00	✓	0.19			1.00	0.00	2.65
		2	0.00	0.00		79.80			1.00	0.00	580.53
	Exp	1	0.00	0.00		7.34	0.49	7.20	1.00	0.00	46.32
		2	0.00	0.00		5.79	0.07	5.45	1.00	0.00	28.71
	F	1	0.00	0.00	✓	3.13	0.15	3.06	1.00	0.00	24.80
		2	0.00	0.00	✓	4.09	0.30	4.01	1.00	0.00	34.12
		3	0.00	0.00	✓	8.16	1.92	7.83	1.00	0.00	79.75
	Fc	1	0.00	0.00		7.30	0.39	4.86	1.00	0.00	20.97
		2	0.00	0.00		8.73	0.22	5.53	1.00	0.00	23.86
		3	0.00	0.00		51.94	32.28	43.21	1.00	0.00	501.00
	Ff	1	0.00	0.00	✓	0.05			1.00	0.00	0.77
		2	0.00	0.00	✓	0.04			1.00	0.00	0.56
	G	1	0.00	0.00		38.98	31.47	38.73	1.00	0.00	467.18
		2	0.00	0.00		5.32	0.65	5.09	1.00	0.00	53.46
	Gf	1	0.00	0.00		4.68			1.00	0.00	37.81
		2	0.00	0.00		2.33			1.00	0.00	0.25
	xA	1	0.00	0.00		2.52			1.00	0.00	4.34
		2	0.00	0.00		0.07			1.00	0.00	0.93
	xB	1	0.00	0.00		0.00			1.00	0.00	0.00
	xC	1	0.00	0.00		44.98			1.00	0.00	428.06
		2	0.00	0.00		12.68			1.00	0.00	81.27
	xD	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
		2	0.00	0.00	✓	0.00			1.00	0.00	0.00
	xE	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
		2	0.00	0.00		0.00			1.00	0.00	0.00
	xF	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	Cc1	1	0.00	0.00		13.40	0.58	7.79	1.00	0.00	59.01
	E1	1	0.00	0.00	✓	3.22	0.09	3.13	1.00	0.00	21.52
		2	0.00	0.00		34.48	28.95	34.08	1.00	0.00	313.05
	Gf1	1	0.00	0.00	✓	0.00			1.00	0.00	0.04
	Cc2	2	0.00	0.00		16.95	4.23	12.43	1.00	0.00	152.93
		3	0.00	0.00		4.28	0.34	4.28	1.00	0.00	32.86
		4	0.00	0.00		30.63	16.66	27.20	1.00	0.00	308.21
		5	0.00	0.00		0.04	0.04	0.04	1.00	0.00	0.56
	E2	3	0.00	0.00		18.47	18.03	18.47	1.00	0.00	218.71
		4	0.00	0.00		2.38	0.06	0.64	1.00	0.00	6.18
		2	0.00	0.00		3.13	0.23	3.13	1.00	0.00	12.97

	TC5	3	0.00	0.00		1.62	0.17	0.92	1.00	0.00	5.44
		4	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC9	1	0.00	0.00	✓	37.39	21.59	37.38	1.00	0.00	348.18
		2	0.00	0.00	✓	7.95	0.61	6.65	1.00	0.00	42.57
		3	0.00	0.00	✓	9.12	0.98	7.70	1.00	0.00	53.83
	TC35	1	0.00	0.00		1.46	0.01	0.91	1.00	0.00	2.38
	TC36	1	0.00	0.00	✓	0.07			1.00	0.00	1.03
	TC37	1	0.00	0.00	✓	0.43	0.00	0.43	1.00	0.00	1.71
	TC38	1	0.00	0.00		2.46			1.00	0.00	2.70
	TC39	2	0.00	0.00		0.08			1.00	0.00	1.17
		3	0.00	0.00		0.07			1.00	0.00	0.93
	TC40	2	0.00	0.00		0.00			1.00	0.00	0.00
		3	0.00	0.00		0.00			1.00	0.00	0.00
	TC41	1	0.00	0.00	✓	7.82	4.39	7.75	1.00	0.00	89.89
		2	0.00	0.00	✓	8.02	4.59	7.96	1.00	0.00	92.12
	TC42	1	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC43	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	47	1	0.00	0.00		25.00			1.00	0.00	249.09
	48	1	0.00	0.00	✓	0.34			1.00	0.00	4.78
	49	1	0.00	0.00	✓	215.98			1.00	0.00	1523.00
		2	0.00	0.00	✓	0.88			1.00	0.00	12.43
	50	1	0.00	0.00		340.87			1.00	0.00	2395.04
	51	1	0.00	0.00	✓	0.29			1.00	0.00	4.06
	52	1	0.00	0.00	✓	0.17	0.00	0.17	1.00	0.00	1.23
	53	1	0.00	0.00	✓	0.18	0.00	0.18	1.00	0.00	0.92
	54	1	0.00	0.00		363.32	341.15	344.92	1.00	0.00	2594.14
	55	1	0.00	0.00	✓	13.77	0.52	9.13	1.00	0.00	65.35

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
	18	1	0	0	11000	6	0.00	0.00	0.00	0.00
		2	0	0	11000	6	0.00	0.00	0.00	0.00
	19	1	0	0	11000	6	0.00	0.00	0.00	0.00
		2	0	0	11000	6	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
	18	1	0	0	0		11000	1650	0		Unrestricted	0.00	6
		2	0	0	0		11000	1650	0		Unrestricted	0.00	6
	19	1	0	0	0		11000	1650	0		Unrestricted	0.00	6
		2	0	0	0		11000	1650	0		Unrestricted	0.00	6

Pedestrian Crossings: Stops and delays

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

Pedestrian Crossings: Queues and blocking

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

Pedestrian Crossings: Advanced

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

Network Results

Run Summary

Analysis set used	Run start time	Run finish time	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Ite wit wor over PR
2	19/07/2021 23:17:10	19/07/2021 23:17:24	16:30	60	14959.53	971.86	129.20	50/1	22	14	TC5/4	50/1	TC5

Network Results: Vehicle summary

Time Segment	Degree of saturation (%)	Practical reserve capacity (%)	Calculated flow entering (PCU/hr)	Actual green (s (per cycle))	Mean Delay per Veh (s)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Performance Index (£ per hr)
16:30-17:30	129	-100	78024	4817	44.84	13800.37	1159.16	14959.53

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	624	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	78024	77018	4926	✓	129	✓	-100	5441

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	8.15	44.84	971.86	13800.37	73.14	53794.96	1159.16

Network Results: Queues and blocking

Time Segment	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))
16:30-17:30	4455.38	0.00	1447.91

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	14959.53

Point to Point Journey Time

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	1218.9	895.4	873.0	554.2	813.5	615.3	627.2	0.0
	B28	807.2	0.0	494.1	163.1	435.3	166.8	169.4	0.0
	C28	771.0	247.0	0.0	116.4	87.4	129.6	136.8	0.0
	D28	644.9	372.6	191.0	0.0	254.8	92.5	101.7	0.0
	E28	851.2	747.5	424.4	55.7	0.0	91.1	97.7	0.0
	F28	538.2	376.1	244.6	289.7	278.7	0.0	17.3	0.0
	G28	856.0	645.3	187.5	216.8	218.4	242.4	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)
24	C28	C28	0	0.00	0	0.00

25	C28	C28	0	0.00	0	0.00
32	C28	E28	98	87.42	98	87.42
36	C28	E28	0	0.00	0	0.00
42	E28	C28	47	411.26	47	411.26
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
68	E28	G28	97	99.13	97	99.13
91	C28	F28	21	129.55	21	129.55
92	E28	F28	10	91.12	10	91.12
96	A28	C28	71	1000.53	71	1000.53
98	G28	E28	0	0.00	0	0.00
99	C28	B28	43	204.78	43	204.78
100	E28	B28	292	404.30	292	404.30
101	E28	E28	0	0.00	0	0.00
102	A28	C28	240	771.81	240	771.81
103	F28	B28	0	0.00	0	0.00
104	C28	G28	331	137.45	331	137.45
105	D28	H28	0	0.00	0	0.00
106	G28	C28	460	140.61	460	140.61
107	A28	B28	27	836.14	27	836.14
108	B28	G28	125	164.03	125	164.03
109	C28	G28	64	127.81	64	127.81
110	E28	G28	67	95.69	67	95.69
111	B28	G28	19	173.71	19	173.71
112	F28	G28	110	17.29	110	17.29
114	C28	H28	0	0.00	0	0.00
115	B28	C28	4	490.17	4	490.17
117	H28	H28	0	0.00	0	0.00
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
126	D28	C28	0	0.00	0	0.00
127	D28	C28	0	0.00	0	0.00
128	H28	C28	0	0.00	0	0.00
129	F28	C28	27	194.83	27	194.83
130	G28	C28	99	162.95	99	162.95
131	G28	E28	72	197.12	72	197.12
132	H28	C28	0	0.00	0	0.00
133	H28	E28	0	0.00	0	0.00
135	H28	E28	0	0.00	0	0.00
136	E28	E28	0	0.00	0	0.00
137	H28	G28	0	0.00	0	0.00
138	H28	G28	0	0.00	0	0.00
139	D28	E28	2	260.50	2	260.50
141	D28	E28	2	261.15	2	261.15
142	C28	H28	0	0.00	0	0.00
143	E28	H28	0	0.00	0	0.00
145	H28	H28	0	0.00	0	0.00
149	C28	B28	4	701.24	4	701.24
150	E28	B28	335	1046.70	335	1046.70
152	H28	B28	0	0.00	0	0.00
153	F28	B28	40	376.13	40	376.13
155	E28	C28	0	0.00	0	0.00
156	C28	G28	60	139.00	60	139.00
157	H28	B28	0	0.00	0	0.00
159	B28	E28	108	128.47	108	128.47
160	B28	G28	112	174.69	112	174.69

161	B28	F28	13	166.79	13	166.79
162	B28	H28	0	0.00	0	0.00
164	B28	B28	0	0.00	0	0.00
165	B28	B28	0	0.00	0	0.00
166	B28	C28	99	494.26	99	494.26
167	B28	E28	405	517.10	405	517.10
169	G28	B28	157	705.46	157	705.46
170	G28	B28	157	585.82	157	585.82
171	G28	H28	0	0.00	0	0.00
173	F28	E28	44	254.94	44	254.94
174	F28	F28	0	0.00	0	0.00
175	G28	C28	376	199.26	376	199.26
176	G28	E28	121	242.86	121	242.86
178	G28	E28	57	183.01	57	183.01
179	F28	E28	0	0.00	0	0.00
181	G28	G28	0	0.00	0	0.00
182	C28	C28	0	0.00	0	0.00
183	C28	C28	0	0.00	0	0.00
184	C28	C28	0	0.00	0	0.00
185	A28	B28	27	954.57	27	954.57
186	A28	C28	100	1025.38	100	1025.38
187	A28	E28	163	1076.39	163	1076.39
188	C28	H28	0	0.00	0	0.00
190	C28	C28	0	0.00	0	0.00
192	C28	C28	0	0.00	0	0.00
193	C28	C28	0	0.00	0	0.00
194	C28	C28	0	0.00	0	0.00
195	D28	G28	153	102.02	153	102.02
196	D28	F28	60	92.45	60	92.45
197	D28	G28	20	99.01	20	99.01
198	G28	D28	0	0.00	0	0.00
199	D28	B28	146	453.34	146	453.34
200	D28	B28	146	333.80	146	333.80
201	D28	C28	247	182.71	247	182.71
202	G28	B28	0	0.00	0	0.00
203	G28	C28	10	446.25	10	446.25
204	D28	C28	80	209.67	80	209.67
205	D28	E28	12	261.44	12	261.44
206	C28	D28	313	116.38	313	116.38
207	D28	E28	2	194.80	2	194.80
208	G28	C28	0	0.00	0	0.00
209	G28	E28	0	0.00	0	0.00
210	A28	G28	362	627.98	362	627.98
211	A28	H28	0	0.00	0	0.00
212	H28	D28	0	0.00	0	0.00
213	A28	E28	230	566.56	230	566.56
214	G28	G28	0	0.00	0	0.00
215	G28	F28	27	220.29	27	220.29
216	G28	G28	0	0.00	0	0.00
217	G28	G28	0	0.00	0	0.00
218	A28	G28	62	623.24	62	623.24
219	A28	F28	60	615.34	60	615.34
220	H28	F28	0	0.00	0	0.00
221	A28	A28	2	1276.67	2	1276.67
223	A28	E28	53	1076.82	53	1076.82
225	D28	E28	0	0.00	0	0.00
227	H28	E28	0	0.00	0	0.00
228	C28	A28	0	0.00	0	0.00

229	C28	A28	0	0.00	0	0.00
230	G28	G28	0	0.00	0	0.00
231	A28	G28	10	622.27	10	622.27
232	A28	H28	0	0.00	0	0.00
233	B28	H28	0	0.00	0	0.00
234	C28	G28	41	136.47	41	136.47
235	E28	G28	0	0.00	0	0.00
236	E28	H28	0	0.00	0	0.00
238	D28	B28	44	361.45	44	361.45
239	D28	B28	43	242.39	43	242.39
240	G28	C28	50	526.49	50	526.49
241	E28	C28	0	0.00	0	0.00
242	H28	C28	0	0.00	0	0.00
244	G28	E28	0	0.00	0	0.00
245	C28	C28	0	0.00	0	0.00
246	E28	C28	47	437.51	47	437.51
247	E28	E28	0	0.00	0	0.00
248	D28	C28	31	208.39	31	208.39
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
256	C28	C28	0	0.00	0	0.00
257	C28	H28	0	0.00	0	0.00
259	C28	C28	0	0.00	0	0.00
261	C28	C28	0	0.00	0	0.00
262	C28	C28	0	0.00	0	0.00
263	C28	C28	0	0.00	0	0.00
264	C28	C28	0	0.00	0	0.00
265	C28	C28	0	0.00	0	0.00
266	C28	B28	0	0.00	0	0.00
267	C28	B28	0	0.00	0	0.00
268	F28	C28	53	269.72	53	269.72
269	F28	E28	44	302.40	44	302.40
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
277	C28	E28	2	83.84	2	83.84
279	C28	E28	0	0.00	0	0.00
280	C28	G28	10	161.41	10	161.41
281	C28	F28	0	0.00	0	0.00
282	C28	G28	0	0.00	0	0.00
283	C28	H28	0	0.00	0	0.00
284	C28	G28	0	0.00	0	0.00
285	C28	H28	0	0.00	0	0.00
287	C28	C28	0	0.00	0	0.00
289	C28	C28	0	0.00	0	0.00
290	C28	C28	0	0.00	0	0.00
291	C28	B28	0	0.00	0	0.00
292	C28	B28	0	0.00	0	0.00
293	C28	G28	0	0.00	0	0.00
294	C28	C28	0	0.00	0	0.00
295	C28	C28	0	0.00	0	0.00
296	C28	B28	0	0.00	0	0.00
297	C28	B28	0	0.00	0	0.00
299	G28	C28	0	0.00	0	0.00

300	G28	B28	4	622.36	4	622.36
301	G28	C28	0	0.00	0	0.00
302	G28	E28	2	513.96	2	513.96
304	G28	E28	0	0.00	0	0.00
306	G28	E28	0	0.00	0	0.00
308	G28	E28	0	0.00	0	0.00
309	G28	G28	0	0.00	0	0.00
310	G28	F28	2	540.29	2	540.29
311	G28	A28	793	856.03	793	856.03
312	G28	A28	0	0.00	0	0.00
313	A28	A28	2	1161.11	2	1161.11
314	B28	A28	0	0.00	0	0.00
315	B28	A28	19	807.16	19	807.16
316	C28	A28	0	0.00	0	0.00
317	C28	A28	371	773.83	371	773.83
318	C28	A28	10	666.99	10	666.99
319	C28	A28	0	0.00	0	0.00
320	C28	A28	0	0.00	0	0.00
321	C28	A28	0	0.00	0	0.00
322	E28	A28	24	626.70	24	626.70
323	E28	A28	453	863.12	453	863.12
324	D28	A28	5	644.89	5	644.89
325	H28	A28	0	0.00	0	0.00
326	F28	A28	162	538.21	162	538.21
327	G28	D28	11	227.39	11	227.39
328	G28	D28	130	215.91	130	215.91
329	G28	D28	0	0.00	0	0.00
330	G28	D28	0	0.00	0	0.00
331	G28	D28	0	0.00	0	0.00
332	A28	D28	1	0.00	1	0.00
333	A28	D28	12	600.40	12	600.40
334	B28	D28	178	163.07	178	163.07
335	C28	D28	0	0.00	0	0.00
336	E28	D28	114	55.67	114	55.67
337	D28	D28	0	0.00	0	0.00
338	D28	D28	0	0.00	0	0.00
339	D28	D28	0	0.00	0	0.00
340	H28	D28	0	0.00	0	0.00
341	H28	D28	0	0.00	0	0.00
342	F28	D28	0	0.00	0	0.00
343	F28	D28	0	0.00	0	0.00
344	F28	D28	88	289.66	88	289.66

Final Prediction Table

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES
Arm	**Traffic Stream**	**Name**	**Traffic node**	**Controller stream**	**Phase**	**Calculated flow entering (PCU/hr)**	**Calculated sat flow (PCU/hr)**	**Actual green (s (per cycle))**	**Wasted time total (s (per cycle))**	**Degree of saturation (%)**	**Practical reserve capacity (%)**	**JourneyTime (s)**	**Mean Delay per Veh (s)**	**Mean stops per Veh (%)**	**Mean max queue (PCU)**
A	**1**	(untitled)	6	771-2	E	822	2050	28	0.00	83	9	28.71	23.12	73.21	9.89
	2	(untitled)	6	771-2	E	372	2050	28	6.00	38	140	19.18	13.41	60.21	3.61
	3	(untitled)	6	771-2	E	652	2050	28	8.00	66	37	15.44	9.54	30.88	3.25
	4	(untitled)	6	771-2	E	942 <	2050	28	0.00	95	-5	43.30	37.27	89.92	16.20 +
Ac	**1**	(untitled)	6	771-2	D	867 <	2263	22	0.00	100	-10	102.81	95.62	190.90	30.47 +
	2	(untitled)	6	771-2	D	292	2263	22	14.89	37	145	43.08	33.58	108.93	5.36

	3	(untitled)	6	771-2	D	553	2263	22	4.19	64	40	12.85	6.25	22.47	2.89
Acf	1	(untitled)	6			1160 <	2263	60	29.26	100	-10	69.04	63.82	131.13	27.78 +
	2	(untitled)	6			553	2263	60	28.00	24	268	7.50	0.26	0.00	0.04
Af	1	(untitled)	6			1194	2050	60	21.00	58	55	7.88	1.22	0.00	0.41
	2	(untitled)	6			652	2050	60	29.00	32	183	7.05	0.41	0.00	0.07
	3	(untitled)	6			942	2050	60	21.00	46	96	7.42	0.75	0.00	0.19
B	1	(untitled)	1	769-1	B	228	2050	11	5.06	56	61	43.86	36.76	108.93	4.14
	2	(untitled)	1	769-1	B	300 <	2150	11	3.64	100	-10	273.22	265.93	321.06	24.41 +
	3	(untitled)	1	769-1	B	289	2100	11	0.17	70	29	31.40	23.93	86.86	4.23
	4	(untitled)	1	769-1	B	283	2050	11	0.00	69	30	39.52	27.23	92.32	4.39
Bc	1	(untitled)	1	769-1	A	751	2050	37	4.00	58	56	16.79	4.84	37.16	6.23
	2	(untitled)	1	769-1	A	1024	2050	37	4.10	79	14	20.88	9.04	35.67	7.27
	3	(untitled)	1	769-1	A	1036	2050	37	1.57	83	8	26.26	14.55	86.41	19.77
Bcf	1	(untitled)	1			1689	2263	60	60.00	75	21	6.65	2.33	0.00	1.09
	2	(untitled)	1			751	2263	60	18.00	33	171	5.72	0.39	0.00	0.08
	3	(untitled)	1			1024	2263	60	20.00	45	99	6.29	0.66	0.00	0.19
	4	(untitled)	1			1036	2263	60	15.00	46	97	7.02	0.67	0.00	0.19
Bf	1	(untitled)	1			527 <	1800	60	41.56	95	-6	248.47	221.13	435.64	45.29 +
	2	(untitled)	1			573	1800	60	2.00	32	183	27.88	0.47	0.00	0.07
C	1	(untitled)	2	769-2	G	481 <	2100	13	0.00	98	-8	194.40	179.87	333.05	28.81 +
	2	(untitled)	2	769-2	G	430	2200	13	0.00	84	7	53.69	39.01	116.31	8.47
	3	(untitled)	2	769-2	G	144	2050	13	0.00	30	199	35.53	20.61	82.68	1.98
Cf	1	(untitled)	2			508 <	1965	60	45.31	106	-15	257.05	239.70	407.14	41.39 +
	2	(untitled)	2			574	1965	60	0.00	29	208	17.88	0.38	0.00	0.06
D	1	(untitled)	3	770-1	B	413	2050	19	6.00	60	49	33.34	29.22	95.25	6.56
	2	(untitled)	3	770-1	B	473	1850	19	3.00	77	17	39.58	35.46	104.69	8.31
	3	(untitled)	3	770-1	B	482	2250	19	6.26	69	31	31.09	26.88	87.06	6.98
Dc	1	(untitled)	3	770-1	A	762	2100	31	3.46	69	30	15.01	11.21	53.11	6.60
	2	(untitled)	3	770-1	A	848	2100	31	6.00	76	19	17.25	13.60	50.60	7.13
	3	(untitled)	3	770-1	A	275	2100	31	9.00	25	267	13.63	10.12	41.13	2.36
	4	(untitled)	3	770-1	A	427	2100	31	14.00	38	136	23.79	20.43	88.23	5.90
Dcf	1	(untitled)	3			1163	2050	60	13.00	57	59	6.09	1.15	0.00	0.37
	2	(untitled)	3			1528	2100	60	13.80	78	16	8.40	3.45	9.63	3.99
	3	(untitled)	3			848	2100	60	15.98	43	108	6.34	1.00	5.41	2.42
	4	(untitled)	3			275	2100	60	23.00	13	588	6.56	0.13	0.01	0.01
	5	(untitled)	3			427	2100	60	34.83	21	336	5.29	0.28	2.97	2.35
Df	1	(untitled)	3-2	11	B	874	1900	43	0.00	63	43	30.12	6.12	47.81	7.57
	2	(untitled)	3-2	11	B	482	2250	43	0.00	29	208	27.17	3.17	31.32	2.74
Dxp	1	(untitled)	3-2	770-2	D	1218	2050	41	1.00	85	6	11.10	7.61	18.41	3.90
	2	(untitled)	3-2	770-2	D	767	2050	41	3.00	53	68	5.15	1.50	2.95	0.39
Ec	1	(untitled)	4	770-3	F	729	2150	24	17.00	81	11	21.26	17.50	68.70	8.24
	2	(untitled)	4	770-3	F	678	2263	24	3.00	72	25	19.78	16.15	56.15	6.25
	3	(untitled)	4	770-3	F	540	2263	24	0.00	57	57	24.74	21.23	81.44	7.34
	4	(untitled)	4	770-3	F	392	2250	24	10.31	42	113	12.08	8.63	28.19	2.47
Ecf	1	(untitled)	4			862	2100	60	25.16	55	64	10.04	6.59	40.75	5.70
	2	(untitled)	4			1161	2100	60	20.89	59	52	5.04	1.56	8.13	2.75
	3	(untitled)	4			678	2263	60	20.00	30	201	3.86	0.34	0.00	0.06
	4	(untitled)	4			979	2300	60	30.42	65	39	6.55	2.61	7.89	2.85
Ef	1	(untitled)	4			859	1900	60	0.00	45	99	16.09	0.78	0.00	0.19
	2	(untitled)	4			627 <	1900	60	42.31	112	-20	242.04	226.74	281.33	46.22 +
Exp	1	(untitled)	4-2	770-4	L	862	2050	40	6.00	62	46	13.37	9.48	50.77	7.34
	2	(untitled)	4-2	770-4	L	432	2050	40	20.00	31	192	14.34	10.31	80.36	5.79
F	1	(untitled)	5	771-1	B	233	2100	15	0.00	42	116	26.83	20.45	80.41	3.13
	2	(untitled)	5	771-1	B	297	2100	15	0.00	53	70	28.84	22.41	82.59	4.09
	3	(untitled)	5	771-1	B	463	2100	15	0.00	83	9	41.78	35.24	103.61	8.11
Fc	1	(untitled)	5	771-1	A	785	2263	35	6.00	58	56	23.74	4.65	50.17	7.30
	2	(untitled)	5	771-1	A	631	2263	35	7.16	48	87	25.36	6.45	74.25	8.73
	3	(untitled)	5	771-1	A	919 <	2263	35	11.67	100	-10	142.52	122.97	390.74	45.39 +

Ff	**1**	(untitled)	5			530	1900	60	0.00	28	223	33.45	0.37	0.00	0.05
	2	(untitled)	5			463	1900	60	0.00	24	269	33.35	0.31	0.00	0.04
G	**1**	(untitled)	2	769-2	F	304 <	2050	13	5.12	100	-10	386.91	370.85	447.86	35.34 +
	2	(untitled)	2	769-2	F	303	2050	13	4.66	66	35	47.79	36.34	106.63	5.32
Gf	**1**	(untitled)	4			300	2050	60	50.28	33	174	27.27	24.35	93.69	4.68
	2	(untitled)	4			260	2050	60	39.08	13	609	3.02	0.14	1.28	2.33
xA	**1**	(untitled)	10			930	2263	60	20.60	46	95	18.10	0.87	3.84	2.52
	2	(untitled)	10			683	2263	60	23.00	30	198	17.59	0.34	0.00	0.07
xB	**1**	(untitled)				1350	Unrestricted	60	7.00	0	Unrestricted	7.61	0.00	0.00	0.00
xC	**1**	(untitled)				688 <	1900	60	38.76	102	-12	153.92	145.25	156.71	34.72 +
	2	(untitled)				634	1900	60	39.50	89	1	34.98	26.28	77.30	12.53
xD	**1**	(untitled)				1218	Unrestricted	60	11.00	0	Unrestricted	9.13	0.00	0.00	0.00
	2	(untitled)				767	Unrestricted	60	14.00	0	Unrestricted	9.21	0.00	0.00	0.00
xE	**1**	(untitled)				862	Unrestricted	60	15.00	0	Unrestricted	13.04	0.00	0.00	0.00
	2	(untitled)				432	Unrestricted	60	29.00	0	Unrestricted	13.04	0.00	0.00	0.00
xF	**1**	(untitled)				846	Unrestricted	60	9.00	0	Unrestricted	12.14	0.00	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	725	2050	32	6.00	64	40	19.98	13.46	71.42	13.40
E1	**1**	(untitled)	4	770-3	G	312	2050	25	13.00	35	156	18.46	12.46	61.75	3.22
	2	(untitled)	4	770-3	G	547 <	2200	25	11.61	104	-13	134.55	128.55	210.96	23.08 +
Gf1	**1**	(untitled)	4			47	640	60	44.00	7	1126	3.92	0.22	0.00	0.00
Cc2	**2**	(untitled)	2	769-2	D	1069 <	2150	33	2.12	91	-1	31.60	25.01	121.71	16.78 +
	3	(untitled)	2	769-2	D	639	2050	33	5.00	55	64	16.64	9.75	40.12	4.28
	4	(untitled)	2	769-2	D	1194 <	2150	33	0.17	99	-9	60.09	53.73	125.02	26.91 +
	5	(untitled)	2	769-2	D	283	2050	33	22.00	24	269	8.48	0.50	0.00	0.04
E2	**3**	(untitled)	4	770-3	H	299 <	2150	25	17.63	100	-10	171.70	167.71	214.81	15.01 +
	4	(untitled)	4	770-3	H	261	2050	25	6.00	29	206	8.87	4.79	15.02	2.38
TC5	**2**	(untitled)	TC771-6	TC777-1	A	751	2263	39	10.00	49	85	6.35	3.58	24.98	3.13
	3	(untitled)	TC771-6	TC777-1	A	683	2263	39	15.00	44	104	4.52	1.76	8.03	1.62
	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	963 <	1925	27	0.00	100	-10	97.18	86.17	174.18	30.97 +
	2	(untitled)	TC771-6	TC777-1	B	642	1966	27	0.00	65	38	25.62	14.56	70.72	7.94
	3	(untitled)	TC771-6	TC777-1	B	711	1947	27	0.00	73	23	27.88	16.76	76.51	9.11
TC35	**1**	(untitled)	TC771-6	TC777-1	A	179	1900	39	12.00	14	553	5.30	2.40	30.63	1.46
TC36	**1**	(untitled)	TC771-6			567	1800	60	0.00	32	186	3.49	0.46	0.00	0.07
TC37	**1**	(untitled)	TC771-6	TC777-2	J	110	1850	45	0.00	8	1060	5.05	1.86	23.51	0.43
TC38	**1**	(untitled)	TC771-6			110	436	60	2.00	25	256	4.53	2.99	36.71	2.46
TC39	**2**	(untitled)	TC771-6			751	2263	60	29.00	33	171	2.93	0.39	0.00	0.08
	3	(untitled)	TC771-6			683	2263	60	34.00	30	198	2.74	0.34	0.00	0.07
TC40	**2**	(untitled)	TC771-6			861	Unrestricted	60	0.00	0	Unrestricted	4.23	0.00	0.00	0.00
	3	(untitled)	TC771-6			683	Unrestricted	60	26.00	0	Unrestricted	4.02	0.00	0.00	0.00
TC41	**1**	(untitled)	TC771-6	TC777-1	D	228	1850	7	0.00	92	-3	89.05	85.12	168.08	7.18
	2	(untitled)	TC771-6	TC777-1	D	229	1850	7	0.00	93	-3	90.94	86.98	169.94	7.33
TC42	**1**	(untitled)	TC771-6	TC777-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00
TC43	**1**	(untitled)				0	1800	60	60.00	0	Unrestricted	0.00	0.00	0.00	0.00
47	**1**	(untitled)	2			1300	1300	60	0.00	100	-10	64.61	48.58	0.00	17.54
48	**1**	(untitled)	2			1082	1965	60	0.00	55	63	7.73	1.12	0.00	0.34

49	1	(untitled)	TC771-6			1175 <	1900	60	29.13	120	-25	323.32	320.17	318.92	117.17 +
	2	(untitled)	TC771-6			1353	1900	60	0.00	71	26	5.48	2.33	0.00	0.88
50	1	(untitled)	1			1421 <	1900	60	25.27	129	-30	424.55	418.77	346.54	180.28 +
51	1	(untitled)	4-2			993	1900	60	0.00	52	72	5.53	1.04	0.00	0.29
52	1		3-2	11	A	12	1800	7	7.00	5	1700	47.36	23.36	85.35	0.17
53	1		TC771-6	TC777-1	J	15	1800	8	8.00	6	1523	24.50	13.49	67.93	0.18
54	1		6	12	A	1689 <	1800	44	0.00	125	-28	383.75	380.75	338.36	193.71 +
55	1		4	13	A	846 <	1800	44	3.00	63	44	18.90	16.50	97.00	13.77 +

Pedestrian Crossing Results

				SIGNALS		FLOWS		PERFORMANCE			PER PED		QUEUES	WEIGHTS	P
Pedestrian	Side	Name	Traffic node	Controller stream	Phase	Calculated Flow Entering (Ped/hr)	Calculated sat flow (Ped/hr)	Actual green (s (per cycle))	Degree of saturation (%)	Practical reserve capacity	JourneyTime (s)	Mean Delay per Ped (s)	Mean max queue (Ped)	Delay weighting (%)	p (
1	1	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	
2	1	(untitled)	3	770-1	C	0	11000	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	
18	1	(untitled)	12	12	B	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	12	12	B	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	
19	1	(untitled)	13	13	B	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	13	13	B	0	11000	6	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	6747.73	1148.55	5.88	971.86	13800.37	1159.16	0.00	14959.53
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	6747.73	1148.55	5.88	971.86	13800.37	1159.16	0.00	14959.53

- *< = 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***