

TRANSYT 15	
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Filename: M62 JN 28 CRF Scheme_Mar 20- Scenario 4a-PM - Mitigation - LCC Scheme.t15

Path: Z:\Projects\10127\ITM 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 23:51:54

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File summary

File description

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

Model and Results

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

Units

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

Sorting

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

Network Diagrams



A2 - 2033 Base + Committed + Cumulative PM - Mitigation + LCC Scheme

D2 - 2033 Base + Committed + Cumulative PM - Mitigation and 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	Item with worst over PR
2	19/07/2021 23:50:52	19/07/2021 23:51:05	16:30	60	16000.58	1054.54	167.64	50/1	19	12	TC5/4	50/1	TC5

Analysis Set Details

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

Demand Set Details

Name	Description	Composite	Demand sets	Start time (HH:mm)	Locked
2033 Base + Committed + Cumulative PM - Mitigation and 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, 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			4
53			6
55			TC771-6
56			3-2

Traffic Streams

Am	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	✓	54.87	✓	Directly entered	2050		2050			Normal	
	2	(untitled)	Dews	✓	54.67	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	54.84	✓	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	✓	132.91	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Dews	✓	131.52	✓	Directly entered	2050		2263	✓		Normal	
	3	(untitled)	Brad/M62W	✓	130.13	✓	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	✓	55.91	✓	Directly entered	2250		2250	✓		Normal	
	4	(untitled)	Leeds/M62/Wake	✓	59.65	✓	Directly entered	2250		2250	✓		Normal	
Dc	1	(untitled)	Brad	✓	50.27	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.34	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	46.42	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	44.49	✓	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)		✓	66.37	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	66.58	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	66.90	✓	Directly entered	2100		2100			Normal	
	6	(untitled)		✓	67.13	✓	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	✓	45.11	✓	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)		✓	47.50	✓	Directly entered	2300		2300			Normal	
	5	(untitled)		✓	48.55	✓	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	
	1	(untitled)	Leeds	✓	183.21	✓	Directly entered	2263		2263	✓		Normal	

Fc	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)		✓	230.01	✓	Directly entered	2263		2263			Normal	
xB	1	(untitled)		✓	50.23								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)		✓	105.90								Normal	
Cc1	1	(untitled)	Wake	✓	95.53	✓	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)		✓	47.81							✓	Normal	
Cc2	2	(untitled)	Dews	✓	90.18	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	88.93	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	90.38	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	87.92	✓	Directly entered	2050		2050	✓		Normal	
	6	(untitled)	Leeds	✓	87.42	✓	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				20.00	✓	Directly entered	1800			✓		Normal	
53	1				25.00	✓	Directly entered	1800			✓		Normal	
55	1				91.00	✓	Sum of lanes	1800			✓		Normal	
56	1				200.00	✓	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)											
	1	1	(untitled)											

Bcf	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)											
	4	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)											
	6	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)											
	5	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)											
	6	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)											
53	1	1	(untitled)											
55	1	1	(untitled)											1800
56	1	1	(untitled)											1800

Modelling

Am	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 of saturation 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						
	4	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						
	6	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						
	5	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						
	1	CTM	100	100	100		0.00						

Fc	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							
	6	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							
55	1	NetworkDefault	100	100	100		0.00							
56	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	417	417
	3	651	651
	4	962	962
Ac	1	885	885
	2	291	291
	3	556	556
Acf	1	1176	1176
	2	556	556
Af	1	1372	1372
	2	651	651
	3	962	962
B	1	113	113
	2	391	391
	3	489	489
	4	427	427
Bc	1	795	795
	2	935	935
	3	1146	1146
Bcf	1	1840	1840
	2	795	795
	3	935	935
	4	1146	1146
Bf	1	504	504
	2	916	916
C	1	450	450
	2	344	344
	3	288	288
Cf	1	450	450
	2	632	632
D	1	413	413
	2	204	204
	3	323	323
	4	428	428
Dc	1	567	567
	2	1170	1170
	3	250	250
	4	565	565
Dcf	1	1154	1154
	2	885	885
	3	567	567
	4	1170	1170
	5	250	250

	6	565	565
Df	1	605	605
	2	751	751
Dxp	1	1154	1154
	2	885	885
Ec	1	733	733
	2	454	454
	3	867	867
	4	402	402
Ecf	1	667	667
	2	1483	1483
	3	454	454
	4	867	867
	5	449	449
Ef	1	859	859
	2	627	627
Exp	1	667	667
	2	750	750
F	1	233	233
	2	296	296
	3	462	462
Fc	1	620	620
	2	899	899
	3	949	949
Ff	1	529	529
	2	462	462
G	1	359	359
	2	316	316
Gf	1	335	335
	2	292	292
xA	1	788	788
	2	939	939
xB	1	1840	1840
xC	1	755	755
	2	707	707
xD	1	1154	1154
	2	885	885
xE	1	667	667
	2	750	750
xF	1	847	847
Cc1	1	788	788
E1	1	312	312
	2	547	547
Gf1	1	47	47
Cc2	2	1055	1055
	3	826	826
	4	1101	1101
	5	99	99
	6	427	427
E2	3	335	335
	4	292	292
TC5	2	595	595
	3	939	939
	4	0	0
TC9	1	1156	1156
	2	611	611
	3	742	742
TC35	1	193	193

TC36	1	567	567
TC37	1	110	110
TC38	1	110	110
TC39	2	595	595
	3	939	939
TC40	2	705	705
	3	939	939
TC41	1	202	202
	2	255	255
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	847	847
53	1	1840	1840
55	1	18	18
56	1	12	12

Signals

Am	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	
	4	770-1	B	
Dc	1	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
Df	1	13	B	
	2	13	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	
	6	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	12	A	
55	1	TC777-1	J	
56	1	13	A	

Entry Sources

Am	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
56	1	24.00	30.00

Sources

Am	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)
	1	1	Af/1	A/1	5.59	48.00	✓	Straight	Straight Movement

A	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	6.58	30.00	✓	Nearside	10.60
	2	1	TC42/1	Af/2	6.56	30.00	✓	Nearside	10.60
	3	1	TC42/1	Af/3	6.58	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	9.97	48.00	✓	Offside	33.73
	2	1	Bcf/3	Bc/2	9.86	48.00	✓	Offside	30.42
	3	1	Bcf/4	Bc/3	9.76	48.00	✓	Offside	27.10
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	4.19	48.00	✓	Straight	Straight Movement
	4	1	Df/2	D/4	4.47	48.00	✓	Straight	Straight Movement
Dc	1	1	Dcf/3	Dc/1	3.77	48.00	✓	Offside	52.98
	2	1	Dcf/4	Dc/2	3.63	48.00	✓	Offside	49.67
	3	1	Dcf/5	Dc/3	3.48	48.00	✓	Offside	46.35
	4	1	Dcf/6	Dc/4	3.34	48.00	✓	Offside	43.04
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	Cc2/4	Dcf/3	4.98	48.00	✓	Straight	Straight Movement
	4	1	C/2	Dcf/4	4.99	48.00	✓	Nearside	58.86
	5	1	Cc2/5	Dcf/5	5.02	48.00	✓	Straight	Straight Movement
	6	1	C/3	Dcf/6	5.04	48.00	✓	Nearside	62.17

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/5	Ec/4	3.38	48.00	✓	Offside	66.48
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	3.56	48.00	✓	Offside	66.17
	5	1	Dc/4	Ecf/5	3.64	48.00	✓	Offside	62.86
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	Fc/2	xA/2	17.25	48.00	✓	Straight	Straight Movement
xB	1	1	53/1	xB/1	6.03	30.00	✓	Nearside	35.35
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	52/1	xF/1	7.94	48.00	✓	Nearside	24.96
Cc1	1	1	B/1	Cc1/1	8.60	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/5	Gf1/1	3.59	48.00	✓	Offside	21.77
Cc2	2	1	B/1	Cc2/2	8.12	40.00	✓	Straight	Straight Movement
	3	1	B/3	Cc2/3	8.00	40.00	✓	Straight	Straight Movement
	4	1	B/2	Cc2/4	8.13	40.00	✓	Straight	Straight Movement
	5	1	B/3	Cc2/5	7.91	40.00	✓	Straight	Straight Movement

	6	1	B/4	Cc2/6	7.87	40.00	✓	Straight	Straight Movement
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
52	1	1	E1/1	52/1	2.40	30.00	✓	Nearside	35.05
53	1	1	Bcf/1	53/1	3.00	30.00	✓	Nearside	61.79
55	1	1	49/1	55/1	10.92	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	6.58	30.00	✓	Straight	Straight Movement
	2	2	TC9/2	Af/2	6.56	30.00	✓	Straight	Straight Movement
	3	2	TC9/3	Af/3	6.58	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	56/1	D/1	4.13	48.00	✓	Straight	Straight Movement
	2	2	56/1	D/2	4.13	48.00	✓	Straight	Straight Movement
	3	2	56/1	D/3	4.19	48.00	✓	Straight	Straight Movement
	4	2	56/1	D/4	4.47	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/1	Dcf/3	4.98	48.00	✓	Nearside	55.54
	4	2	Cc2/3	Dcf/4	4.99	48.00	✓	Straight	Straight Movement
	5	2	C/3	Dcf/5	5.02	48.00	✓	Nearside	62.17

	6	2	Cc2/6	Dcf/6	5.04	48.00	✓	Offside	96.74
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	3.56	48.00	✓	Nearside	49.99
	5	2	D/4	Ecf/5	3.64	48.00	✓	Nearside	53.30
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/1	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	6.37	54.00	✓	Straight	Straight Movement
Cc2	2	2	Bc/1	Cc2/2	10.82	30.00	✓	Straight	Straight Movement
	3	2	Bc/3	Cc2/3	10.67	30.00	✓	Straight	Straight Movement
	4	2	Bc/3	Cc2/4	10.85	30.00	✓	Straight	Straight Movement
	5	2	Bc/3	Cc2/5	10.55	30.00	✓	Offside	97.42
	6	2	Bc/3	Cc2/6	10.49	30.00	✓	Offside	94.10
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
52	1	2	Ec/1	52/1	2.40	30.00	✓	Straight	Straight Movement
Acf	1	3	Fc/2	Acf/1	5.22	48.00	✓	Straight	Straight Movement
Af	1	3	TC41/1	Af/1	6.58	30.00	✓	Offside	6.19
	2	3	TC41/2	Af/2	6.56	30.00	✓	Offside	6.00
	3	3	TC41/2	Af/3	6.58	30.00	✓	Offside	6.00
Bcf	2	3	Ac/3	Bcf/2	3.99	57.00	✓	Offside	86.42
xA	2	3	F/2	xA/2	17.25	48.00	✓	Straight	Straight Movement
Cc2	2	3	Bc/2	Cc2/2	10.82	30.00	✓	Straight	Straight Movement
Af	1	4	55/1	Af/1	6.58	30.00	✓	Straight	Straight Movement
	2	4	55/1	Af/2	6.56	30.00	✓	Straight	Straight Movement
	3	4	55/1	Af/3	6.58	30.00	✓	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)		11		Nearside	3.00	2.00	5.40
19	(untitled)		12		Nearside	3.00	2.00	5.40

Pedestrian Crossings - Signals

Crossing	Controller stream	Phase	Second phase enabled
1	770-2	E	
2	770-1	C	
3	770-4	M	
4	770-3	J	
5	770-3	I	
6	770-3	K	
7	771-1	C	
8	769-1	C	
9	769-2	J	
10	769-2	K	
11	769-2	H	
12	769-2	I	
13	TC777-1	I	
14	TC777-1	F	
15	TC777-1	G	
16	TC777-1	H	
17	TC777-2	K	
18	11	B	
19	12	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, 56/1	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)
	32	l1	C28	E28	Df/1, D/1, Ec/1, Exp/1, xE/1	Normal	
	36		C28	E28	Df/1, D/1, Ec/2, Exp/2, xE/2	Disabled	
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	81		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
	82		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	

83		G28	B28	49/1, 55/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Fixed	
84		G28	B28	49/1, 55/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Disabled	
85		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
86		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	
87		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Fixed	
88		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	
89		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
90		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	
91	I2	C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	
100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Fixed	
102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
104	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Fixed	
107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	
109	I3	C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	
110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
111		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	
113		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	
114		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	
116		G28	G28	49/1, 55/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
117		G28	F28	49/1, 55/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Fixed	
118		G28	G28	49/1, 55/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	
124		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
125		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
128		F28	F28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
129		F28	H28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
130		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	
131		G28	G28	49/1, 55/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	
132		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
133		F28	H28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
136		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	
138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	
139		A28	H28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
140		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	
141		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	
142		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	
144		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	
145		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
146		G28	A28	49/1, 55/1, Af/1, A/1, Bcf/1, 53/1, xB/1	Fixed	
147		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
148		G28	C28	49/1, 55/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
149		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	
150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	
151		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	
152		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	
153		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
154		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, 52/1, xF/1	Normal	
155		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
156		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, 52/1, xF/1	Normal	
157		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
158		F28	D28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, 52/1, xF/1	Normal	
159		F28	E28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
160		F28	E28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
162		C28	E28	56/1, D/1, Ecf/1, Exp/1, xE/1	Fixed	

1	163		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Normal	
	164		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Normal	
	165		B28	G28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	
	166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	
	167		C28	G28	56/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
	169		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	
	170		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	
	171		G28	H28	49/1, TC9/1, TC43/1	Normal	
	172		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, 53/1, xB/1	Normal	
	181		B28	F28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	183		C28	B28	56/1, D/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Fixed	
	184		C28	B28	56/1, D/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Disabled	
	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	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	
	234	l2	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	Disabled	
	236		E28	H28	Ef/1, E1/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	294		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	
	295		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	
	296		D28	G28	51/1, Ff/1, F/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	
	297		D28	H28	51/1, Ff/1, F/2, xA/2, TC5/4, TC43/1	Normal	
	304		C28	D28	Df/1, D/1, Ecf/2, Ec/1, 52/1, xF/1	Normal	
	305		E28	D28	Ef/1, E1/1, 52/1, xF/1	Normal	
	315		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, 53/1, xB/1	Normal	
	320		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Fixed	
	321		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Normal	
	323		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Fixed	
	324		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Normal	
	325		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Normal	
	326		H28	A28	TC42/1, Af/1, A/1, Bcf/1, 53/1, xB/1	Normal	
	383		A28	G28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	
	384		A28	H28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	385		B28	H28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	386		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Disabled	
	387		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Normal	
	391		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	392		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	393		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	402		B28	D28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, 52/1, xF/1	Normal	
	403		B28	E28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	423		C28	D28	56/1, D/1, Ecf/2, Ec/1, 52/1, xF/1	Fixed	
	424		C28	E28	56/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	
	425		C28	G28	56/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Fixed	
	426		C28	F28	56/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Fixed	
	427		C28	H28	56/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	432		C28	G28	56/1, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
	433		C28	H28	56/1, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	434		C28	A28	56/1, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Fixed	
	436		C28	A28	56/1, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, 53/1, xB/1	Disabled	
	441		B28	E28	48/1, Cf/1, C/1, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	
	448		A28	F28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	449		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	450		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
	451		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	
	458		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	475		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	

476		G28	C28	49/1, 55/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
477		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	
478		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
479		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
480		C28	C28	56/1, 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	
481		C28	C28	56/1, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
482		C28	C28	56/1, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
483		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	
484		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	
485		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Disabled	
487		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, 52/1, xF/1	Normal	
488		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
489		G28	D28	49/1, 55/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, 52/1, xF/1	Fixed	
490		G28	E28	49/1, 55/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Disabled	
491		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, 52/1, xF/1	Normal	
492		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
493		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
494		G28	C28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dxp/2, xD/2	Fixed	
495		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
496		G28	C28	49/1, 55/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	
497		G28	E28	49/1, 55/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	
498		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
499		C28	C28	56/1, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
500		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
501		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
502		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	
503		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
504		H28	C28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
505		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
506		F28	C28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
507		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
508		C28	C28	56/1, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
509		F28	C28	TC36/1, TC41/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/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	Blackout Time (s)
11	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)
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	49, 0

Intergreen Matrix for Controller Stream 11

From	To	
	A	B
	5	

Banned Stage transitions for Controller Stream 11

From	To	
	1	2

Interstage Matrix for Controller Stream 11

From	To	
	1	2
	0	5

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	5	49	44	1	7
	2	✓	2	B	54	0	6	1	6

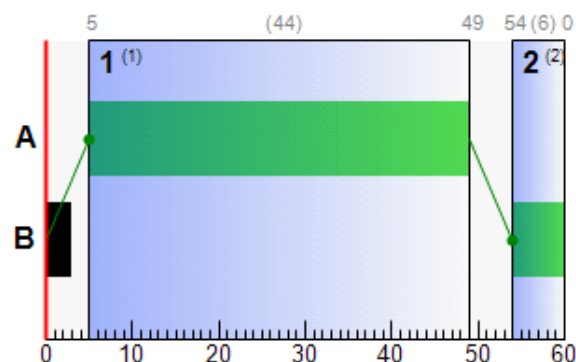
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
11	A	1	✓	5	49	44
	B	1	✓	54	0	6

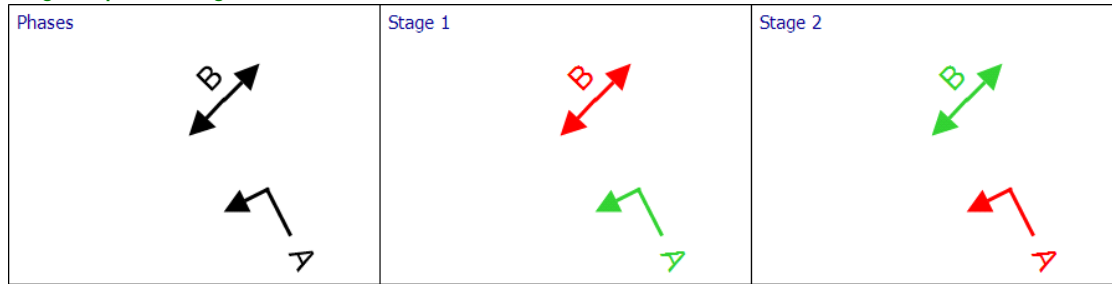
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
52	1	4	11	A	5	49	44

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			None		

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	49, 0

Intergreen Matrix for Controller Stream 12

		To	
From		A	B
		5	

Banned Stage transitions for Controller Stream 12

		To	
From		1	2

Interstage Matrix for Controller Stream 12

		To	
From		1	2
		0	5

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	5	49	44	1	7
	2	✓	2	B	54	0	6	1	6

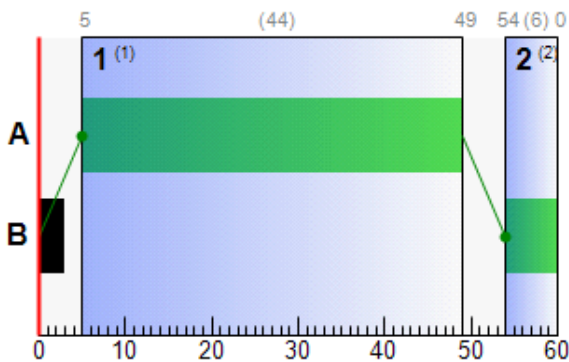
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
12	A	1	✓	5	49	44
	B	1	✓	54	0	6

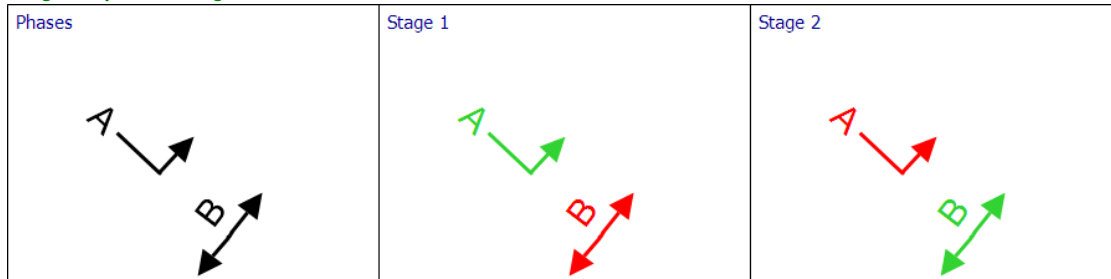
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
53	1	6	12	A	5	49	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
13	(ALL)	(untitled)	7	300	0	0	Traffic

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	7, 55

Intergreen Matrix for Controller Stream 13

From	To	
	A	B
	5	

Banned Stage transitions for Controller Stream 13

From	To	
	1	2

Interstage Matrix for Controller Stream 13

From	To	
	1	2
	0	5

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	0	7	7	1	7
	2	✓	2	B	12	55	43	1	7

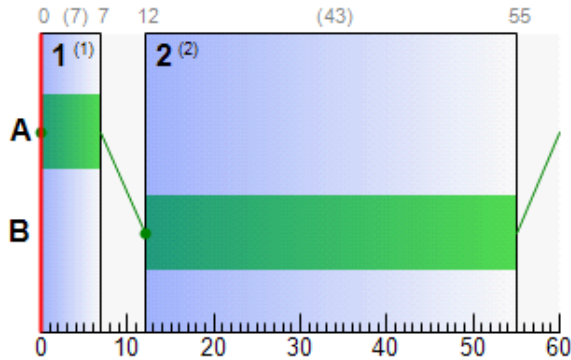
Resultant Phase Green Periods

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

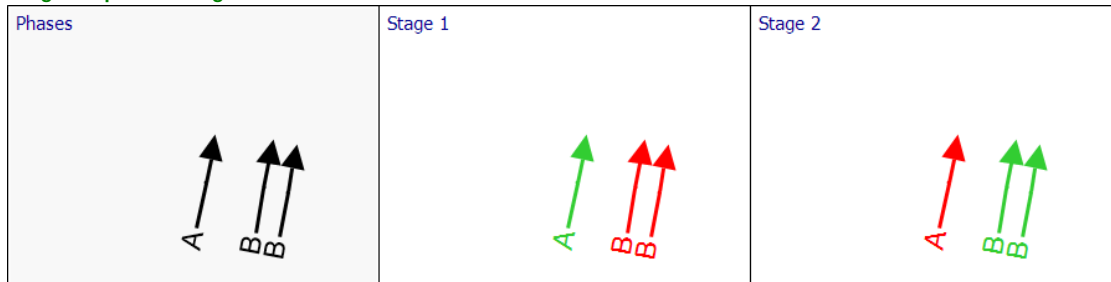
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
Df	1	3-2	13	B	12	55	43
Df	2	3-2	13	B	12	55	43
56	1	3-2	13	A	0	7	7

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

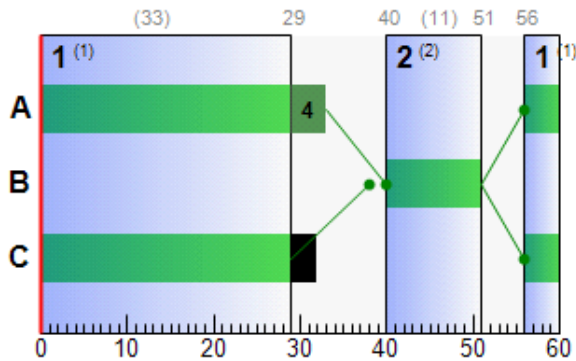
Resultant Phase Green Periods

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

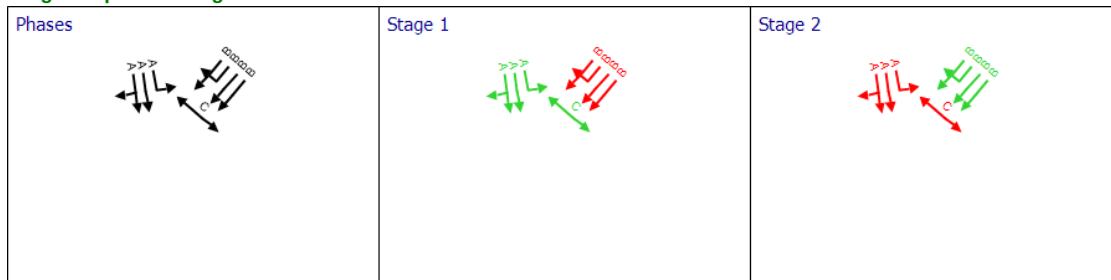
Traffic Stream Green Times

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)	12	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, 28		
	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	14									

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	43	5	22	1	1
	2	✓	5	F,G,J,K	19	28	9	1	9

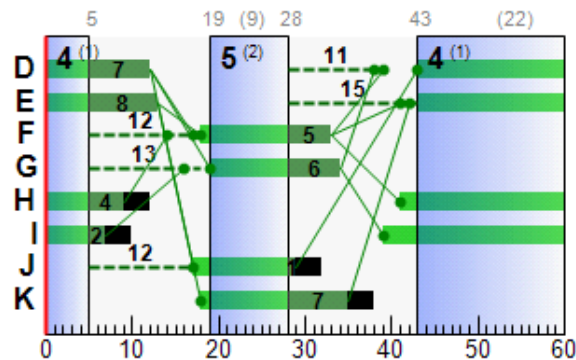
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
769-2	D	1	✓	43	12	29
	E	1	✓	43	13	30
	F	1	✓	18	33	15
	G	1	✓	19	34	15
	H	1	✓	41	9	28
	I	1	✓	39	7	28
	J	1	✓	17	29	12
	K	1	✓	18	35	17

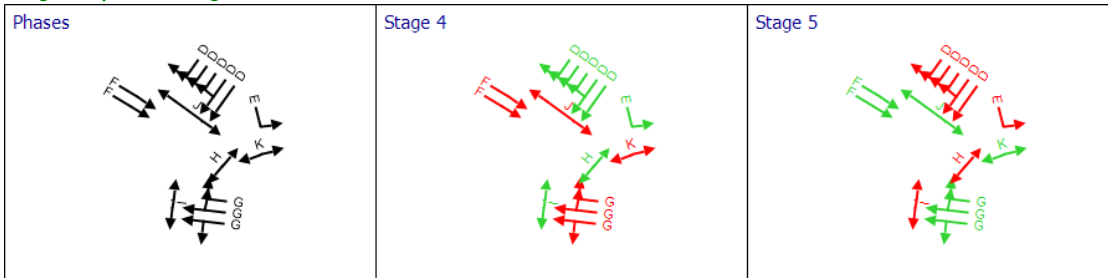
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
C	1	2	769-2	G	19	34	15
C	2	2	769-2	G	19	34	15
C	3	2	769-2	G	19	34	15
G	1	2	769-2	F	18	33	15
G	2	2	769-2	F	18	33	15
Cc1	1	2	769-2	E	43	13	30
Cc2	2	2	769-2	D	43	12	29
Cc2	3	2	769-2	D	43	12	29
Cc2	4	2	769-2	D	43	12	29
Cc2	5	2	769-2	D	43	12	29
Cc2	6	2	769-2	D	43	12	29

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)	7	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	4

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		9	

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	9
	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	7
	2	✓	2	B	1	18	17	1	7

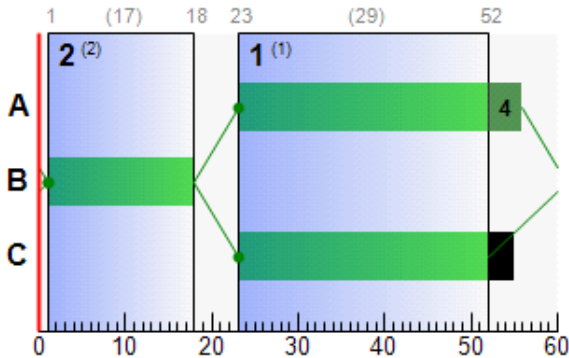
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
770-1	A	1	✓	23	56	33
	B	1	✓	1	18	17
	C	1	✓	23	52	29

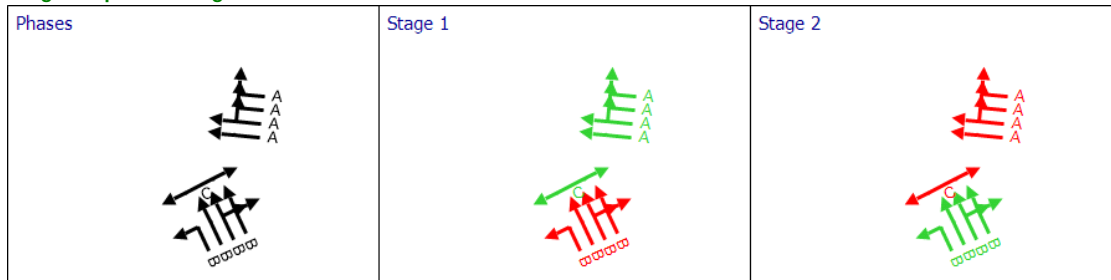
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
D	1	3	770-1	B	1	18	17
D	2	3	770-1	B	1	18	17
D	3	3	770-1	B	1	18	17
D	4	3	770-1	B	1	18	17
Dc	1	3	770-1	A	23	56	33
Dc	2	3	770-1	A	23	56	33
Dc	3	3	770-1	A	23	56	33
Dc	4	3	770-1	A	23	56	33

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

From	To	
	D	E
	D	5
	E	7

Banned Stage transitions for Controller Stream 770-2

From	To	
	4	5
	4	
	5	

Interstage Matrix for Controller Stream 770-2

From	To	
	4	5
	4	0
	5	7

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

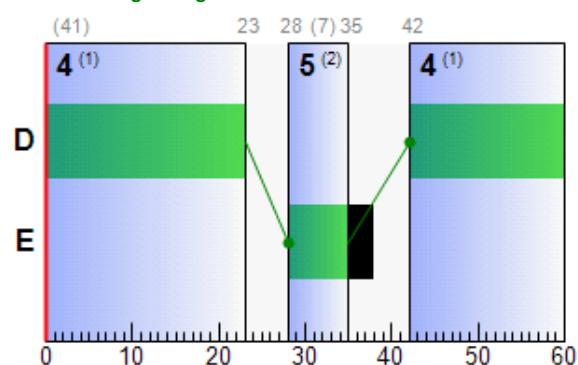
Resultant Phase Green Periods

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

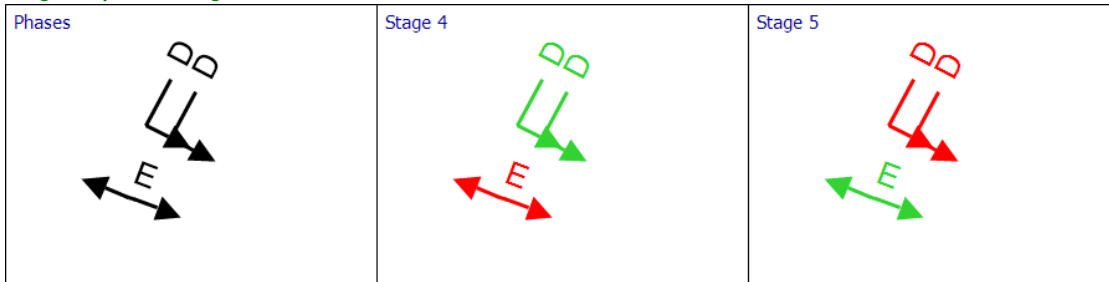
Traffic Stream Green Times

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			
From		7	8	9
	7			
	8			
	9			

Interstage Matrix for Controller Stream 770-3

	To			
From		7	8	9
	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

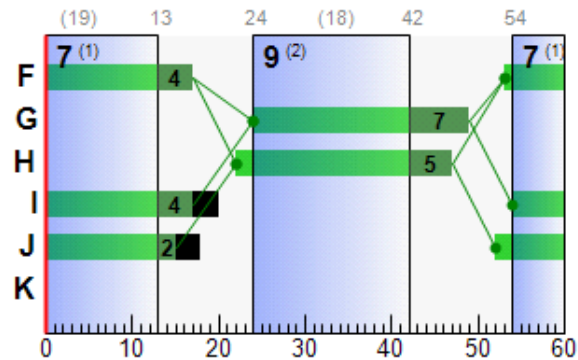
Resultant Phase Green Periods

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

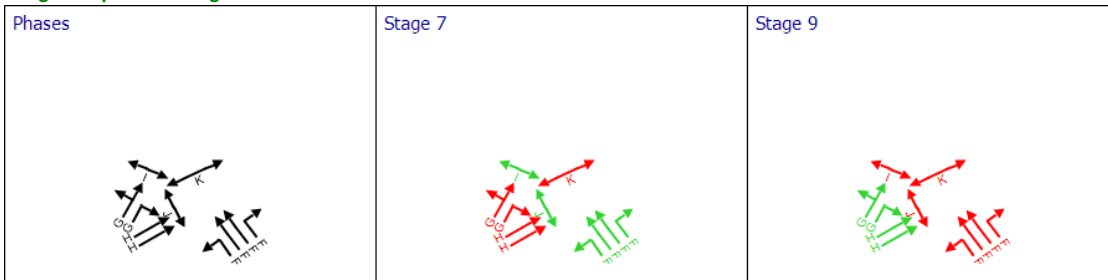
Traffic Stream Green Times

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

From	To		
		L	M
	L		5
	M	7	

Banned Stage transitions for Controller Stream 770-4

From	To		
		11	12
	11		
	12		

Interstage Matrix for Controller Stream 770-4

From	To		
		11	12
	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

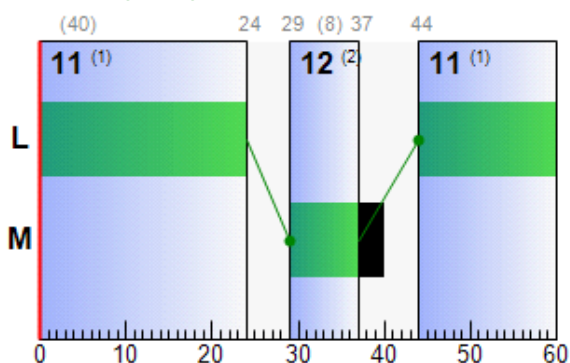
Resultant Phase Green Periods

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

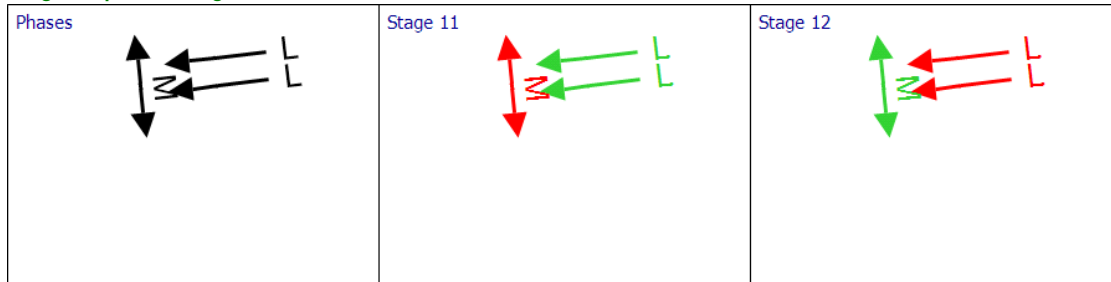
Traffic Stream Green Times

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
	2	0	0
	3	5	5

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

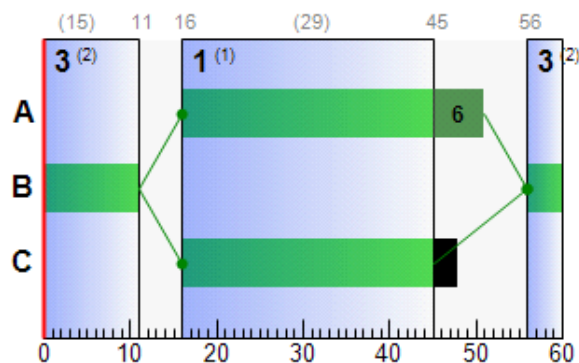
Resultant Phase Green Periods

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

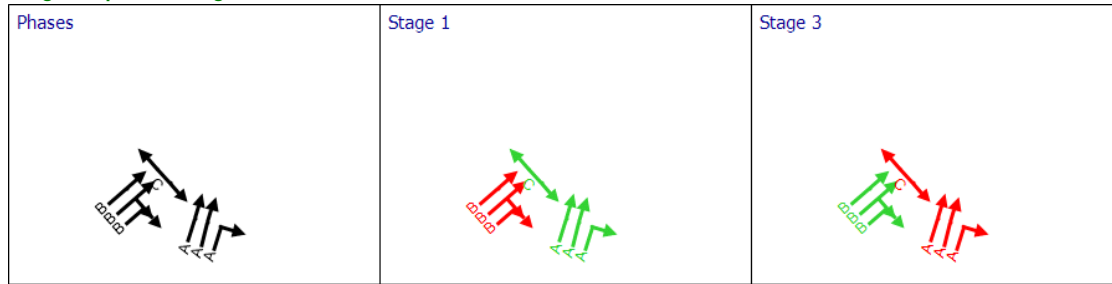
Traffic Stream Green Times

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		
From		D	E
	D		5
	E	5	

Banned Stage transitions for Controller Stream 771-2

	To		
From		5	6
	5		
	6		

Interstage Matrix for Controller Stream 771-2

	To		
From		5	6
	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

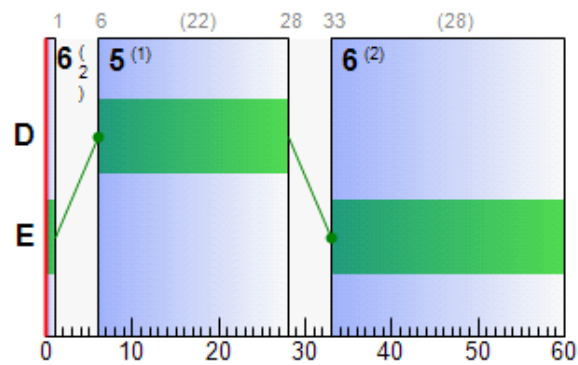
Resultant Phase Green Periods

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

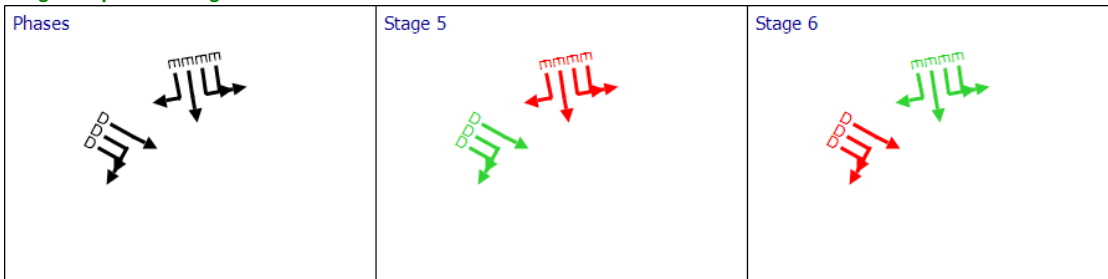
Traffic Stream Green Times

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

Losing / Gaining Phase Delays

Controller Stream	Delay	Type	Phase	From stage	To stage	Relative delay
TC777-1	1	Losing	B	1	5	3

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
TC777-1	1	(untitled)	Single	1, 5, 7	2, 18, 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							
From		1	2	3	4	5	6	7
	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	4
	2	✓	5	D,H,I	10	18	8	1	7
	3	✓	7	A,F,J	24	30	6	1	6

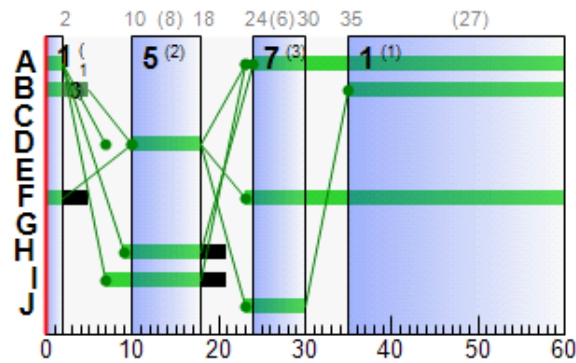
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
TC777-1	A	1	✓	24	2	38
	B	1	✓	35	5	30
	D	1	✓	10	18	8
	F	1	✓	23	2	39
	H	1	✓	9	18	9
	I	1	✓	7	18	11
	J	1	✓	23	30	7

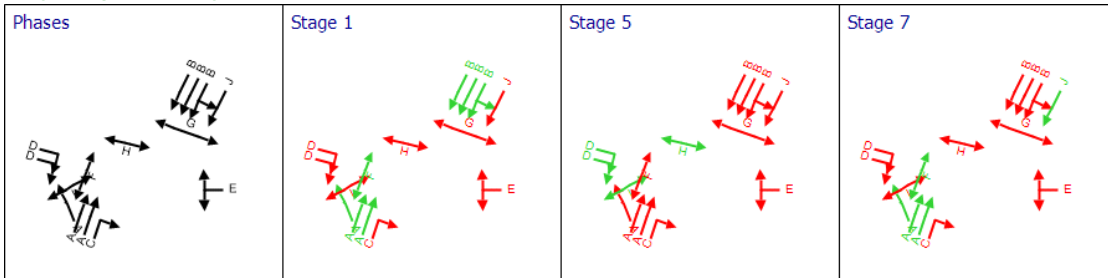
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1		
					Start	End	Duration
TC5	2	TC771-6	TC777-1	A	24	2	38
TC5	3	TC771-6	TC777-1	A	24	2	38
TC5	4	TC771-6	TC777-1	C			
TC9	1	TC771-6	TC777-1	B	35	5	30
TC9	2	TC771-6	TC777-1	B	35	5	30
TC9	3	TC771-6	TC777-1	B	35	5	30
TC35	1	TC771-6	TC777-1	A	24	2	38
TC41	1	TC771-6	TC777-1	D	10	18	8
TC41	2	TC771-6	TC777-1	D	10	18	8
TC42	1	TC771-6	TC777-1	E			
55	1	TC771-6	TC777-1	J	23	30	7

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	K
			5
	K	5	

Banned Stage transitions for Controller Stream TC777-2

	To		
		1	2
	From	1	2
	2		

Interstage Matrix for Controller Stream TC777-2

	To		
		1	2
	From	1	2
		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

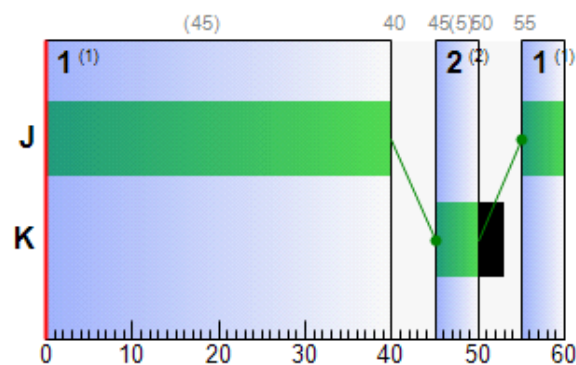
Resultant Phase Green Periods

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

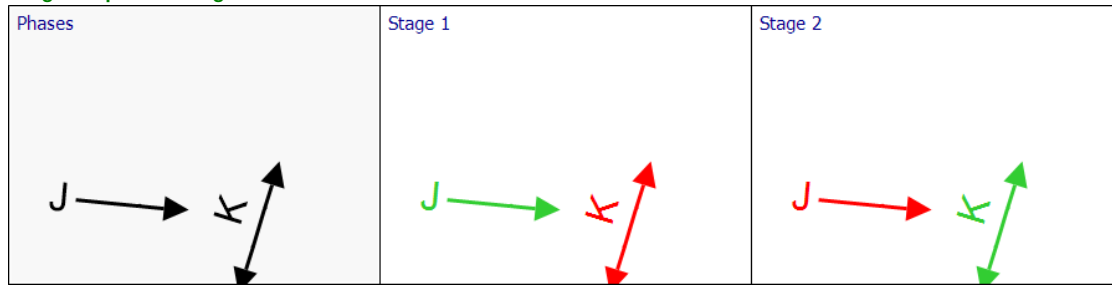
Traffic Stream Green Times

Am	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)
	A	1	(untitled)	E	888	2050	28	991	90	0	30.43	13.00	100.30	36.02
		2	(untitled)	E	386	2050	28	991	39	131	13.91	3.82	28.57	19.67
		3	(untitled)	E	651	2050	28	991	66	37	10.94	4.18	30.55	16.84
		4	(untitled)	E	962	2050	28	991	97	-7	46.13	17.40	124.53	52.16
	Ac	1	(untitled)	D	867	2263	22	867	100	-10	95.62	30.47	182.87	102.80
		2	(untitled)	D	292	2263	22	796	37	145	33.58	5.36	33.37	43.08
		3	(untitled)	D	554	2263	22	867	64	41	6.02	2.88	18.81	12.61
	Acf	1	(untitled)		1160	2263	60	1159	100	-10	63.81	27.78	229.54	69.03
		2	(untitled)		554	2263	60	2263	24	268	0.26	0.04	0.32	7.50
	Af	1	(untitled)		1274	2050	60	2050	62	45	1.44	0.51	5.32	8.02
		2	(untitled)		651	2050	60	2050	32	183	0.41	0.07	0.78	6.97
		3	(untitled)		962	2050	60	2050	47	92	0.77	0.21	2.17	7.36
	B	1	(untitled)	B	68	2050	11	68	100	-10	1024.28	19.90	120.89	1031.38
		2	(untitled)	B	233	2150	11	425	55	64	38.69	4.22	24.97	45.98
		3	(untitled)	B	292	2100	11	420	69	30	22.35	4.60	26.54	29.82
		4	(untitled)	B	255	2050	11	410	62	45	19.76	3.80	21.34	32.05
	Bc	1	(untitled)	A	765	2050	37	1298	59	53	5.22	7.39	31.95	15.19
		2	(untitled)	A	934	2050	37	1164	80	12	13.30	13.32	58.22	23.17
		3	(untitled)	A	1145	2050	37	1298	88	2	18.42	22.07	97.50	28.17
	Bcf	1	(untitled)		1755	2263	60	2263	78	16	2.73	1.33	12.19	7.06
		2	(untitled)		765	2263	60	2263	34	166	0.41	0.09	0.79	5.75
		3	(untitled)		934	2263	60	2263	41	118	0.56	0.15	1.34	6.35
		4	(untitled)		1145	2263	60	2258	51	77	0.82	2.08	19.21	6.98
	Bf	1	(untitled)		301	1800	60	301	100	-10	477.75	47.25	119.27	505.09
		2	(untitled)		547	1800	60	1800	30	196	0.44	0.07	0.17	27.85
	C	1	(untitled)	G	450	2100	15	560	80	12	33.21	8.10	38.44	47.75
		2	(untitled)	G	344	2200	15	573	60	50	23.97	5.22	24.55	38.65
		3	(untitled)	G	287	2050	15	547	53	71	22.47	4.11	19.03	37.39
	Cf	1	(untitled)		450	1965	60	1965	23	293	0.27	0.03	0.14	17.62
		2	(untitled)		631	1965	60	1965	32	180	0.43	0.08	0.30	17.94
		1	(untitled)	B	413	2050	17	615	67	34	31.13	6.48	67.76	35.25

16:30-17:30	D	2	(untitled)	B	204	1850	17	555	37	145	24.11	2.83	29.63	28.24
		3	(untitled)	B	323	2250	17	675	48	88	26.85	4.89	50.31	31.05
		4	(untitled)	B	429	2250	17	675	64	42	30.04	6.63	63.90	34.51
	Dc	1	(untitled)	A	551	2100	33	1190	46	94	4.72	2.52	28.80	8.50
		2	(untitled)	A	1000	2100	33	1190	84	7	17.97	9.09	108.14	21.59
		3	(untitled)	A	220	2100	33	1190	19	386	4.46	2.34	28.99	7.94
		4	(untitled)	A	392	2100	33	1190	33	174	12.94	3.23	41.72	16.27
	Dcf	1	(untitled)		1124	2050	60	2050	55	64	1.06	0.33	2.90	6.01
		2	(untitled)		743	2100	60	2100	35	154	0.47	0.10	0.84	5.41
		3	(untitled)		551	2100	60	2100	26	243	0.30	0.05	0.40	5.28
		4	(untitled)		1000	2100	60	1529	65	38	4.90	7.66	66.18	9.90
		5	(untitled)		221	2100	60	2100	11	757	0.10	0.01	0.05	5.12
		6	(untitled)		392	2100	60	2100	19	382	0.20	0.02	0.18	5.23
	Df	1	(untitled)	B	605	1900	43	1393	43	107	4.12	4.03	11.59	28.12
		2	(untitled)	B	752	2250	43	1650	46	97	4.12	5.20	14.96	28.12
	Dxp	1	(untitled)	D	1124	2050	41	1435	78	15	5.38	3.07	37.87	8.87
		2	(untitled)	D	818	2050	41	1435	57	58	1.73	0.46	5.47	5.38
	Ec	1	(untitled)	F	728	2150	24	896	81	11	17.16	7.85	90.14	20.92
		2	(untitled)	F	424	2263	24	943	45	100	13.23	3.96	46.97	16.87
		3	(untitled)	F	694	2263	24	943	74	22	18.02	6.88	84.55	21.53
		4	(untitled)	F	401	2250	24	938	43	110	6.58	2.48	31.59	9.96
	Ecf	1	(untitled)		651	2100	60	1704	38	136	1.45	2.44	30.50	4.89
		2	(untitled)		1313	2100	60	2046	64	40	1.70	3.14	38.96	5.18
		3	(untitled)		424	2263	60	2263	19	380	0.18	0.02	0.27	3.70
		4	(untitled)		694	2300	60	2296	30	198	0.34	2.38	28.87	3.90
		5	(untitled)		449	2300	60	2300	20	361	0.19	0.02	0.28	3.83
	Ef	1	(untitled)		859	1900	60	1900	45	99	0.78	0.19	0.84	16.09
		2	(untitled)		627	1900	60	513	122	-26	352.63	67.27	303.27	367.93
	Exp	1	(untitled)	L	651	2050	40	1401	46	94	10.34	7.04	78.08	14.23
		2	(untitled)	L	586	2050	40	1401	42	115	10.70	8.31	89.02	14.73
	F	1	(untitled)	B	233	2100	15	560	42	116	20.45	3.13	21.11	26.83
		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	590	2263	35	1358	43	107	4.50	5.39	16.91	23.84
		2	(untitled)	A	725	2263	35	1298	56	61	6.72	12.38	39.25	25.46
		3	(untitled)	A	929	2263	35	928	100	-10	120.56	45.53	145.21	140.10
	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	308	2050	15	313	98	-8	351.25	34.13	125.67	367.31
		2	(untitled)	F	260	2050	15	529	49	83	31.82	4.23	15.96	43.26
	Gf	1	(untitled)		274	2050	60	284	97	-7	104.80	10.43	154.25	107.71
		2	(untitled)		236	2050	60	2050	12	682	0.11	0.01	0.11	3.00
	xA	1	(untitled)		762	2263	60	1903	40	125	1.66	2.45	6.14	18.89
		2	(untitled)		761	2263	60	2263	34	168	0.40	0.09	0.21	17.65
	xB	1	(untitled)		1350	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	6.03
	xC	1	(untitled)		686	1900	60	687	100	-10	122.97	30.26	150.53	131.64
		2	(untitled)		613	1900	60	733	84	8	17.30	9.01	44.65	26.00
	xD	1	(untitled)		1124	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
		2	(untitled)		818	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
	xE	1	(untitled)		651	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		584	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	xF	1	(untitled)		845	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	7.94
	Cc1	1	(untitled)	E	742	2050	30	1059	70	28	16.06	13.63	82.06	22.52
	E1	1	(untitled)	G	312	2050	25	888	35	156	12.46	3.22	23.13	18.46
		2	(untitled)	G	547	2200	25	528	104	-13	126.73	22.81	163.96	132.73
	Gf1	1	(untitled)		48	662	60	255	19	379	19.11	0.73	8.83	22.70
		2	(untitled)	D	1025	2150	29	1025	100	-10	79.90	30.29	193.13	90.63
		3	(untitled)	D	657	2050	29	1025	64	40	16.02	9.40	60.80	25.68

	Cc2	4	(untitled)	D	942	2150	29	1075	88	3	26.52	16.24	103.29	36.69
		5	(untitled)	D	71	2050	29	1025	7	1207	5.29	0.33	2.16	14.28
		6	(untitled)	D	255	2050	29	1025	25	262	0.58	0.04	0.27	8.45
	E2	3	(untitled)	H	274	2150	25	274	100	-10	181.55	14.75	159.17	185.55
		4	(untitled)	H	239	2050	25	888	27	234	2.98	0.35	3.69	7.05
	TC5	2	(untitled)	A	594	2263	38	1509	39	129	4.91	3.03	75.56	7.68
		3	(untitled)	A	761	2263	38	1509	50	79	1.29	0.31	7.74	4.05
		4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	1059	1925	30	1059	100	-10	78.03	31.73	198.93	89.04
		2	(untitled)	B	611	1966	30	1081	57	59	10.97	6.41	40.05	22.02
		3	(untitled)	B	742	1947	30	1071	69	30	13.58	8.65	53.68	24.70
	TC35	1	(untitled)	A	168	1900	38	1267	13	577	2.29	1.46	34.74	5.19
	TC36	1	(untitled)		568	1800	60	1800	32	185	0.46	0.07	1.66	3.49
	TC37	1	(untitled)	J	110	1850	45	1418	8	1060	1.86	0.43	5.59	5.05
	TC38	1	(untitled)		110	437	60	437	25	258	2.14	2.46	66.29	3.68
	TC39	2	(untitled)		594	2263	60	2263	26	243	0.28	0.05	0.76	2.82
		3	(untitled)		761	2263	60	2263	34	168	0.40	0.09	1.47	2.80
	TC40	2	(untitled)		703	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		761	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	202	1850	8	278	73	24	40.97	3.91	41.15	44.90
		2	(untitled)	D	256	1850	8	278	92	-2	78.82	7.58	79.19	82.78
	TC42	1	(untitled)	E	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC43	1	(untitled)		0	1800	60	1800	0	Unrestricted	0.00	0.00	0.00	0.00
	47	1	(untitled)		1300	1300	60	1300	100	-10	48.58	17.54	75.48	64.61
	48	1	(untitled)		1081	1965	60	1965	55	64	1.12	0.34	3.50	7.73
	49	1	(untitled)		1175	1900	60	1075	109	-18	177.77	72.34	1584.91	180.92
		2	(untitled)		1353	1900	60	1900	71	26	2.33	0.88	19.18	5.48
	50	1	(untitled)		1422	1900	60	848	168	-46	733.97	301.29	3598.24	739.75
	51	1	(untitled)		993	1900	60	1900	52	72	1.04	0.29	4.38	5.53
	52	1		A	845	1800	44	1350	63	44	11.61	13.69	393.71	14.01
	53	1		A	1755	1800	44	1350	130	-31	435.85	226.28	5204.40	438.85
	55	1		J	16	1800	7	240	7	1211	17.30	0.21	1.34	28.22
	56	1		A	12	1800	7	240	5	1700	23.36	0.17	0.50	47.36

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	5	49	44	1	7
	2	✓	2	B	54	0	6	1	6
12	1	✓	1	A	5	49	44	1	7
	2	✓	2	B	54	0	6	1	6
13	1	✓	1	A	0	7	7	1	7
	2	✓	2	B	12	55	43	1	7
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	43	5	22	1	1
	2	✓	5	F,G,J,K	19	28	9	1	9
770-1	1	✓	1	A,C	23	52	29	1	7
	2	✓	2	B	1	18	17	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	4
	2	✓	5	D,H,I	10	18	8	1	7
	3	✓	7	A,F,J	24	30	6	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	6	300	0	0	Pedestrian
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	7	300	0	0	Traffic
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	12	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	7	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

Am	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	✓	54.87	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	54.67	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	54.84	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	✓	132.91	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	131.52	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	130.13	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
	1		55.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100

D	2		55.00	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
	3	✓	55.91	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	100
	4	✓	59.65	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	100
Dc	1	✓	50.27	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	48.34	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	46.42	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	4	✓	44.49	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	✓	66.37	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	66.58	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	66.90	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	6	✓	67.13	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	✓	45.11	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	✓	47.50	CTM	0.00	Normal	✓			Directly entered	2300	100	100
	5	✓	48.55	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
	1	✓	183.21	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100

Fc	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	✓	230.01	CTM	0.00	Normal	✓			Directly entered	2263	100	100
xB	1	✓	50.23	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	✓	105.90	NetworkDefault	0.00	Normal						100	100
Cc1	1	✓	95.53	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	✓	47.81	NetworkDefault	0.00	Normal			✓			100	100
Cc2	2	✓	90.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	88.93	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	4	✓	90.38	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	5	✓	87.92	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	6	✓	87.42	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		20.00	NetworkDefault	0.00	Normal	✓	✓		Directly entered	1800	100	100
53	1		25.00	NetworkDefault	0.00	Normal	✓	✓		Directly entered	1800	100	100
55	1		91.00	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
56	1		200.00	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	12	0.00	0.00
		2	0	0	12	0.00	0.00
	10	1	0	0	17	0.00	0.00
		2	0	0	17	0.00	0.00
	11	1	0	0	28	0.00	0.00
		2	0	0	28	0.00	0.00
	12	1	0	0	28	0.00	0.00
		2	0	0	28	0.00	0.00
	13	1	0	0	11	0.00	0.00
		2	0	0	11	0.00	0.00
	14	1	0	0	39	0.00	0.00
		2	0	0	39	0.00	0.00
	15	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	16	1	0	0	9	0.00	0.00
		2	0	0	9	0.00	0.00
	17	1	0	0	5	0.00	0.00
		2	0	0	5	0.00	0.00
	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	Am	Traffic Stream	Degree of saturation (%)	Practical reserve capacity (%)	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Performance Index (£ per hr)
	A	1	90	0	888	2050	28	30.43	13.00	100.30	106.55	24.20	130.75
		2	39	131	386	2050	28	13.91	3.82	28.57	21.17	7.40	28.57
		3	66	37	651	2050	28	10.94	4.18	30.55	28.10	8.07	36.18

16:30-		4	97	-7	962	2050	28	46.13	17.40	124.53	174.99	31.18	206.17
	Ac	1	100	-10	867	2263	22	95.62	30.47	182.87	327.19	53.16	380.34
		2	37	145	292	2263	22	33.58	5.36	33.37	38.68	5.43	44.11
		3	64	41	554	2263	22	6.02	2.88	18.81	13.14	3.96	17.10
	Acf	1	100	-10	1160	2263	60	63.81	27.78	229.54	291.87	48.79	340.67
		2	24	268	554	2263	60	0.26	0.04	0.32	0.56	0.00	0.56
	Af	1	62	45	1274	2050	60	1.44	0.51	5.32	7.21	0.00	7.21
		2	32	183	651	2050	60	0.41	0.07	0.78	1.05	0.00	1.05
		3	47	92	962	2050	60	0.77	0.21	2.17	2.94	0.00	2.94
	B	1	100	-10	68	2050	11	1024.28	19.90	120.89	274.98	10.00	284.98
		2	55	64	233	2150	11	38.69	4.22	24.97	35.63	8.12	43.74
		3	69	30	292	2100	11	22.35	4.60	26.54	25.71	8.79	34.50
		4	62	45	255	2050	11	19.76	3.80	21.34	19.90	2.83	22.73
	Bc	1	59	53	765	2050	37	5.22	7.39	31.95	15.75	9.06	24.81
		2	80	12	934	2050	37	13.30	13.32	58.22	49.02	18.99	68.01
		3	88	2	1145	2050	37	18.42	22.07	97.50	83.16	31.80	114.96
	Bcf	1	78	16	1755	2263	60	2.73	1.33	12.19	18.87	0.00	18.87
		2	34	166	765	2263	60	0.41	0.09	0.79	1.22	0.00	1.22
		3	41	118	934	2263	60	0.56	0.15	1.34	2.06	0.00	2.06
		4	51	77	1145	2263	60	0.82	2.08	19.21	3.70	0.33	4.03
	Bf	1	100	-10	301	1800	60	477.75	47.25	119.27	567.66	19.07	586.73
		2	30	196	547	1800	60	0.44	0.07	0.17	0.94	0.00	0.94
	C	1	80	12	450	2100	15	33.21	8.10	38.44	58.95	6.03	64.98
		2	60	50	344	2200	15	23.97	5.22	24.55	32.53	3.92	36.45
		3	53	71	287	2050	15	22.47	4.11	19.03	25.44	3.09	28.53
	Cf	1	23	293	450	1965	60	0.27	0.03	0.14	0.48	0.00	0.48
		2	32	180	631	1965	60	0.43	0.08	0.30	1.08	0.00	1.08
	D	1	67	34	413	2050	17	31.13	6.48	67.76	50.71	12.45	63.16
		2	37	145	204	1850	17	24.11	2.83	29.63	19.40	5.45	24.86
		3	48	88	323	2250	17	26.85	4.89	50.31	34.21	9.30	43.51
		4	64	42	429	2250	17	30.04	6.63	63.90	50.83	12.80	63.63
	Dc	1	46	94	551	2100	33	4.72	2.52	28.80	10.26	4.02	14.28
		2	84	7	1000	2100	33	17.97	9.09	108.14	70.88	17.91	88.79
		3	19	386	220	2100	33	4.46	2.34	28.99	3.88	1.51	5.39
		4	33	174	392	2100	33	12.94	3.23	41.72	19.98	6.22	26.20
	Dcf	1	55	64	1124	2050	60	1.06	0.33	2.90	4.72	0.00	4.72
		2	35	154	743	2100	60	0.47	0.10	0.84	1.37	0.00	1.37
		3	26	243	551	2100	60	0.30	0.05	0.40	0.66	0.00	0.66
		4	65	38	1000	2100	60	4.90	7.66	66.18	19.35	11.73	31.08
		5	11	757	221	2100	60	0.10	0.01	0.05	0.09	0.00	0.09
		6	19	382	392	2100	60	0.20	0.02	0.18	0.30	0.01	0.31
	Df	1	43	107	605	1900	43	4.12	4.03	11.59	9.84	2.79	12.64
		2	46	97	752	2250	43	4.12	5.20	14.96	12.21	3.51	15.72
	Dxp	1	78	15	1124	2050	41	5.38	3.07	37.87	23.83	5.69	29.52
		2	57	58	818	2050	41	1.73	0.46	5.47	5.58	0.87	6.45
	Ec	1	81	11	728	2150	24	17.16	7.85	90.14	49.25	15.14	64.39
		2	45	100	424	2263	24	13.23	3.96	46.97	22.16	7.61	29.77
		3	74	22	694	2263	24	18.02	6.88	84.55	49.35	13.52	62.87
		4	43	110	401	2250	24	6.58	2.48	31.59	10.41	2.77	13.18
	Ecf	1	38	136	651	2100	60	1.45	2.44	30.50	3.71	1.87	5.58
		2	64	40	1313	2100	60	1.70	3.14	38.96	8.82	2.81	11.62
		3	19	380	424	2263	60	0.18	0.02	0.27	0.31	0.00	0.31
		4	30	198	694	2300	60	0.34	2.38	28.87	0.93	0.13	1.06
		5	20	361	449	2300	60	0.19	0.02	0.28	0.34	0.00	0.34
	Ef	1	45	99	859	1900	60	0.78	0.19	0.84	2.65	0.00	2.65
		2	122	-26	627	1900	60	352.63	67.27	303.27	872.10	21.05	893.15
	Exp	1	46	94	651	2050	40	10.34	7.04	78.08	26.55	13.48	40.02
		2	42	115	586	2050	40	10.70	8.31	89.02	24.71	15.42	40.13

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	43	107	590	2263	35	4.50	5.39	16.91	10.48	5.05	15.53
		2	56	61	725	2263	35	6.72	12.38	39.25	19.21	9.98	29.18
		3	100	-10	929	2263	35	120.56	45.53	145.21	441.90	55.03	496.93
	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	98	-8	308	2050	15	351.25	34.13	125.67	426.13	21.61	447.74
		2	49	83	260	2050	15	31.82	4.23	15.96	32.61	8.36	40.97
	Gf	1	97	-7	274	2050	60	104.80	10.43	154.25	113.39	17.19	130.58
		2	12	682	236	2050	60	0.11	0.01	0.11	0.11	0.00	0.11
	xA	1	40	125	762	2263	60	1.66	2.45	6.14	5.00	3.20	8.20
		2	34	168	761	2263	60	0.40	0.09	0.21	1.21	0.00	1.21
	xB	1	0	Unrestricted	1350	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	100	-10	686	1900	60	122.97	30.26	150.53	332.89	29.52	362.42
		2	84	8	613	1900	60	17.30	9.01	44.65	41.87	15.96	57.83
	xD	1	0	Unrestricted	1124	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	818	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	0	Unrestricted	651	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	584	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	0	Unrestricted	845	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	70	28	742	2050	30	16.06	13.63	82.06	47.02	21.74	68.76
	E1	1	35	156	312	2050	25	12.46	3.22	23.13	15.34	6.18	21.52
		2	104	-13	547	2200	25	126.73	22.81	163.96	273.44	35.56	309.00
	Gf1	1	19	379	48	662	60	19.11	0.73	8.83	3.62	1.17	4.79
	Cc2	2	100	-10	1025	2150	29	79.90	30.29	193.13	323.05	20.86	343.90
		3	64	40	657	2050	29	16.02	9.40	60.80	41.50	7.46	48.96
		4	88	3	942	2150	29	26.52	16.24	103.29	98.58	14.24	112.81
		5	7	1207	71	2050	29	5.29	0.33	2.16	1.47	0.36	1.84
		6	25	262	255	2050	29	0.58	0.04	0.27	0.59	0.00	0.59
	E2	3	100	-10	274	2150	25	181.55	14.75	159.17	196.39	19.34	215.73
		4	27	234	239	2050	25	2.98	0.35	3.69	2.81	0.70	3.51
	TC5	2	39	129	594	2263	38	4.91	3.03	75.56	11.51	2.28	13.79
		3	50	79	761	2263	38	1.29	0.31	7.74	3.87	0.23	4.10
		4	0	-100	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	100	-10	1059	1925	30	78.03	31.73	198.93	325.89	21.57	347.45
		2	57	59	611	1966	30	10.97	6.41	40.05	26.44	4.68	31.12
		3	69	30	742	1947	30	13.58	8.65	53.68	39.74	6.43	46.17
	TC35	1	13	577	168	1900	38	2.29	1.46	34.74	1.52	0.49	2.01
	TC36	1	32	185	568	1800	60	0.46	0.07	1.66	1.03	0.00	1.03
	TC37	1	8	1060	110	1850	45	1.86	0.43	5.59	0.81	0.90	1.71
	TC38	1	25	258	110	437	60	2.14	2.46	66.29	0.93	1.25	2.18
	TC39	2	26	243	594	2263	60	0.28	0.05	0.76	0.66	0.00	0.66
		3	34	168	761	2263	60	0.40	0.09	1.47	1.21	0.00	1.21
	TC40	2	0	Unrestricted	703	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
		3	0	Unrestricted	761	Unrestricted	60	0.00	0.00	0.00	0.00	0.00	0.00
	TC41	1	73	24	202	1850	8	40.97	3.91	41.15	32.64	8.03	40.67
		2	92	-2	256	1850	8	78.82	7.58	79.19	79.59	14.31	93.89
	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	64	1081	1965	60	1.12	0.34	3.50	4.77	0.00	4.77
	49	1	109	-18	1175	1900	60	177.77	72.34	1584.91	823.91	35.12	859.03
		2	71	26	1353	1900	60	2.33	0.88	19.18	12.43	0.00	12.43
	50	1	168	-46	1422	1900	60	733.97	301.29	3598.24	4116.84	45.83	4162.67
	51	1	52	72	993	1900	60	1.04	0.29	4.38	4.06	0.00	4.06
	52	1	63	44	845	1800	44	11.61	13.69	393.71	38.72	10.05	48.77

53	1	130	-31	1755	1800	44	435.85	226.28	5204.40	3017.41	59.54	3076.95
55	1	7	1211	16	1800	7	17.30	0.21	1.34	1.12	0.15	1.28
56	1	5	1700	12	1800	7	23.36	0.17	0.50	1.11	0.13	1.23

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	888	888	67	✓	2050	991	90		0	0.67	28
		2	386	386	31	✓	2050	991	39		131	0.65	28
		3	651	651	-1		2050	991	66		37	0.82	28
		4	962	962	0		2050	991	97	✓	-7	0.73	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	554	554	1	✓	2263	867	64		41	1.16	22
	Acf	1	1160	1159	16	✓	2263	1159	100	✓	-10	0.66	60
		2	554	554	1	✓	2263	2263	24		268	1.16	60
	Af	1	1274	1274	98	✓	2050	2050	62		45	0.65	60
		2	651	651	-1		2050	2050	32		183	0.82	60
		3	962	962	0		2050	2050	47		92	0.73	60
	B	1	68	68	45	✓	2050	68	100	✓	-10	1.10	11
		2	233	233	158	✓	2150	425	55		64	1.10	11
		3	292	292	197	✓	2100	420	69		30	0.68	11
		4	255	255	172	✓	2050	410	62		45	0.68	11
	Bc	1	765	765	30	✓	2050	1298	59		53	0.90	37
		2	934	934	1	✓	2050	1164	80		12	0.76	37
		3	1145	1145	0	✓	2050	1298	88		2	0.71	37
	Bcf	1	1755	1755	85	✓	2263	2263	78		16	0.33	60
		2	765	765	30	✓	2263	2263	34		166	0.90	60
		3	934	934	1	✓	2263	2263	41		118	0.76	60
		4	1145	1145	0	✓	2263	2258	51		77	0.71	60
	Bf	1	301	301	203	✓	1800	301	100	✓	-10	0.68	60
		2	547	547	369	✓	1800	1800	30		196	0.68	60
	C	1	450	450	0		2100	560	80		12	0.00	15
		2	344	344	0		2200	573	60		50	0.00	15
		3	287	287	1		2050	547	53		71	0.00	15
	Cf	1	450	450	0		1965	1965	23		293	0.00	60
		2	631	631	1		1965	1965	32		180	0.00	60
	D	1	413	413	0		2050	615	67		34	0.53	17
		2	204	204	0		1850	555	37		145	0.55	17
		3	323	323	0		2250	675	48		88	0.53	17
		4	429	429	-1		2250	675	64		42	0.53	17
	Dc	1	551	551	16	✓	2100	1190	46		94	0.86	33
		2	1000	1000	169	✓	2100	1190	84		7	0.79	33
		3	220	220	29	✓	2100	1190	19		386	1.14	33
		4	392	392	173	✓	2100	1190	33		174	1.25	33
	Dcf	1	1124	1124	30	✓	2050	2050	55		64	0.82	60
		2	743	743	142	✓	2100	2100	35		154	0.99	60
		3	551	551	16	✓	2100	2100	26		243	0.86	60
		4	1000	1000	169	✓	2100	1529	65		38	0.87	60
		5	221	220	29	✓	2100	2100	11		757	1.14	60
		6	392	392	172	✓	2100	2100	19		382	1.25	60
	Df	1	605	605	0		1900	1393	43		107	0.00	43
		2	752	752	-1		2250	1650	46		97	0.00	43
	Dxp	1	1124	1124	30	✓	2050	1435	78		15	0.77	41
		2	818	818	67	✓	2050	1435	57		58	0.95	41
		1	728	728	5	✓	2150	896	81		11	0.74	24

16:30-17:30	Ec	2	424	424	29	✓	2263	943	45		100	1.21	24
		3	694	693	173	✓	2263	943	74		22	1.13	24
		4	401	401	0	✓	2250	938	43		110	1.47	24
	Ecf	1	651	651	16	✓	2100	1704	38		136	0.88	60
		2	1313	1313	169	✓	2100	2046	64		40	0.62	60
		3	424	424	29	✓	2263	2263	19		380	1.21	60
		4	694	694	173	✓	2300	2296	30		198	1.13	60
		5	449	449	-1	✓	2300	2300	20		361	1.48	60
	Ef	1	859	859	-1	✓	1900	1900	45		99	0.00	60
		2	627	513	0		1900	513	122	✓	-26	0.00	60
	Exp	1	651	651	16	✓	2050	1401	46		94	0.77	40
		2	586	584	164	✓	2050	1401	42		115	1.00	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	590	590	29	✓	2263	1358	43		107	1.15	35
		2	725	725	174	✓	2263	1298	56		61	1.27	35
		3	929	928	18	✓	2263	928	100	✓	-10	0.94	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	308	313	51	✓	2050	313	98	✓	-8	1.03	15
		2	260	245	56	✓	2050	529	49		83	1.29	15
	Gf	1	274	284	61	✓	2050	284	97	✓	-7	1.48	60
		2	236	236	56	✓	2050	2050	12		682	1.36	60
	xA	1	762	762	25	✓	2263	1903	40		125	1.00	60
		2	761	761	178	✓	2263	2263	34		168	1.30	60
	xB	1	1350	1350	490	✓	Unrestricted	Unrestricted	0		Unrestricted	0.45	60
	xC	1	686	687	69	✓	1900	687	100	✓	-10	0.68	60
		2	613	613	94	✓	1900	733	84		8	0.93	60
	xD	1	1124	1124	30	✓	Unrestricted	Unrestricted	0		Unrestricted	0.69	60
		2	818	818	67	✓	Unrestricted	Unrestricted	0		Unrestricted	0.87	60
	xE	1	651	651	16	✓	Unrestricted	Unrestricted	0		Unrestricted	0.87	60
		2	584	584	165	✓	Unrestricted	Unrestricted	0		Unrestricted	1.10	60
	xF	1	845	845	2	✓	Unrestricted	Unrestricted	0		Unrestricted	0.89	60
	Cc1	1	742	742	46	✓	2050	1059	70		28	0.96	30
	E1	1	312	312	0		2050	888	35		156	0.00	25
		2	547	528	-1	✓	2200	528	104	✓	-13	0.00	25
	Gf1	1	48	48	-1		662	255	19		379	1.39	60
	Cc2	2	1025	1025	30	✓	2150	1025	100	✓	-10	0.69	29
		3	657	656	169	✓	2050	1025	64		40	0.71	29
		4	942	942	158	✓	2150	1075	88		3	0.60	29
		5	71	71	28	✓	2050	1025	7		1207	0.88	29
		6	255	255	172	✓	2050	1025	25		262	1.60	29
	E2	3	274	274	61	✓	2150	274	100	✓	-10	1.22	25
		4	239	236	53	✓	2050	888	27		234	1.22	25
	TC5	2	594	594	1		2263	1509	39		129	1.07	38
		3	761	761	178	✓	2263	1509	50		79	1.30	38
		4	0	0	0		0	0	0		-100	0.00	0
	TC9	1	1059	1059	97	✓	1925	1059	100	✓	-10	0.73	30
		2	611	611	0		1966	1081	57		59	0.00	30
		3	742	742	0		1947	1071	69		30	0.00	30
	TC35	1	168	168	25	✓	1900	1267	13		577	1.22	38
	TC36	1	568	568	-1		1800	1800	32		185	0.00	60
	TC37	1	110	110	0		1850	1418	8		1060	0.00	45
	TC38	1	110	109	0		437	437	25		258	0.47	60
	TC39	2	594	594	1		2263	2263	26		243	1.25	60
		3	761	761	178	✓	2263	2263	34		168	1.30	60

	TC40	2	703	704	1	✓	Unrestricted	Unrestricted	0		Unrestricted	0.77	60
		3	761	758	178	✓	Unrestricted	Unrestricted	0		Unrestricted	1.22	60
	TC41	1	202	202	0		1850	278	73		24	0.00	8
		2	256	256	-1		1850	278	92	✓	-2	0.00	8
	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	1081	1081	1		1965	1965	55		64	0.00	60
	49	1	1175	1075	-1	✓	1900	1075	109	✓	-18	0.00	60
		2	1353	1353	0		1900	1900	71		26	0.00	60
	50	1	1422	848	-2	✓	1900	848	168	✓	-46	0.00	60
	51	1	993	993	-2	✓	1900	1900	52		72	0.00	60
	52	1	845	845	2	✓	1800	1350	63		44	0.88	44
	53	1	1755	1350	85	✓	1800	1350	130	✓	-31	0.29	44
	55	1	16	16	2	✓	1800	240	7		1211	0.66	7
	56	1	12	12	0		1800	240	5		1700	0.00	7

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	30.43	7.50	106.55	84.92	753.82	24.20
		2	5.77	13.91	1.49	21.17	59.77	230.63	7.40
		3	5.90	10.94	1.98	28.10	38.63	251.47	8.07
		4	6.03	46.13	12.32	174.99	101.00	971.23	31.18
	Ac	1	7.19	95.62	23.04	327.19	190.90	1656.01	53.16
		2	9.50	33.58	2.72	38.68	108.93	318.08	5.43
		3	6.60	6.02	0.93	13.14	22.32	123.52	3.96
	Acf	1	5.22	63.81	20.55	291.87	131.10	1520.08	48.79
		2	7.24	0.26	0.04	0.56	0.00	0.00	0.00
	Af	1	6.58	1.44	0.51	7.21	0.00	0.00	0.00
		2	6.56	0.41	0.07	1.05	0.00	0.00	0.00
		3	6.58	0.77	0.21	2.94	0.00	0.00	0.00
	B	1	7.10	1024.28	19.36	274.98	457.65	311.61	10.00
		2	7.29	38.69	2.51	35.63	108.32	252.82	8.12
		3	7.48	22.35	1.81	25.71	93.90	273.81	8.79
		4	12.29	19.76	1.40	19.90	88.42	225.62	2.83
	Bc	1	9.97	5.22	1.11	15.75	36.91	282.33	9.06
		2	9.86	13.30	3.45	49.02	63.32	591.56	18.99
		3	9.76	18.42	5.86	83.16	86.53	990.71	31.80
	Bcf	1	4.33	2.73	1.33	18.87	0.00	0.00	0.00
		2	5.35	0.41	0.09	1.22	0.00	0.00	0.00
		3	5.79	0.56	0.15	2.06	0.00	0.00	0.00
		4	6.17	0.82	0.26	3.70	1.37	15.70	0.33
	Bf	1	27.34	477.75	39.98	567.66	504.48	1520.95	19.07
		2	27.41	0.44	0.07	0.94	0.01	0.03	0.00
	C	1	14.54	33.21	4.15	58.95	106.90	481.04	6.03
		2	14.68	23.97	2.29	32.53	90.94	312.82	3.92
		3	14.92	22.47	1.79	25.44	85.94	246.64	3.09
	Cf	1	17.35	0.27	0.03	0.48	0.00	0.00	0.00
		2	17.50	0.43	0.08	1.08	0.00	0.00	0.00
	D	1	4.13	31.13	3.57	50.71	93.94	387.97	12.45
		2	4.13	24.11	1.37	19.40	83.30	169.93	5.45
		3	4.19	26.85	2.41	34.21	89.72	289.80	9.30
		4	4.47	30.04	3.58	50.83	92.96	398.78	12.80
	Dc	1	3.77	4.72	0.72	10.26	22.73	125.17	4.02
		2	3.63	17.97	4.99	70.88	55.78	557.95	17.91
		3	3.48	4.46	0.27	3.88	21.36	47.09	1.51
		4	3.34	12.94	1.41	19.98	49.47	193.67	6.22

16:30-17:30	Dcf	1	4.95	1.06	0.33	4.72	0.00	0.00	0.00
		2	4.94	0.47	0.10	1.37	0.00	0.00	0.00
		3	4.98	0.30	0.05	0.66	0.00	0.00	0.00
		4	4.99	4.90	1.36	19.35	36.54	365.54	11.73
		5	5.02	0.10	0.01	0.09	0.02	0.05	0.00
		6	5.04	0.20	0.02	0.30	0.08	0.31	0.01
	Df	1	24.00	4.12	0.69	9.84	36.84	222.86	2.79
		2	24.00	4.12	0.86	12.21	37.20	279.71	3.51
	Dxp	1	3.50	5.38	1.68	23.83	15.77	177.22	5.69
		2	3.65	1.73	0.39	5.58	3.33	27.25	0.87
	Ec	1	3.76	17.16	3.47	49.25	64.81	471.64	15.14
		2	3.63	13.23	1.56	22.16	55.90	237.18	7.61
		3	3.51	18.02	3.48	49.35	60.78	421.14	13.52
		4	3.38	6.58	0.73	10.41	21.53	86.39	2.77
	Ecf	1	3.45	1.45	0.26	3.71	8.94	58.17	1.87
		2	3.48	1.70	0.62	8.82	6.66	87.51	2.81
		3	3.52	0.18	0.02	0.31	0.00	0.00	0.00
		4	3.56	0.34	0.07	0.93	0.58	4.00	0.13
		5	3.64	0.19	0.02	0.34	0.00	0.00	0.00
	Ef	1	15.31	0.78	0.19	2.65	0.00	0.00	0.00
		2	15.31	352.63	61.42	872.10	327.01	1678.48	21.05
	Exp	1	3.89	10.34	1.87	26.55	64.53	419.86	13.48
		2	4.03	10.70	1.74	24.71	82.22	480.37	15.42
	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	19.34	4.50	0.74	10.48	52.55	310.18	5.05
		2	18.74	6.72	1.35	19.21	81.22	588.75	9.98
		3	19.53	120.56	31.12	441.90	383.21	3556.17	55.03
	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	351.25	30.01	426.13	404.78	1266.44	21.61
		2	11.45	31.82	2.30	32.61	106.54	260.44	8.36
	Gf	1	2.92	104.80	7.99	113.39	188.89	535.62	17.19
		2	2.88	0.11	0.01	0.11	0.00	0.00	0.00
	xA	1	17.22	1.66	0.35	5.00	13.08	99.69	3.20
		2	17.25	0.40	0.09	1.21	0.00	0.00	0.00
	xB	1	6.03	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	8.67	122.97	23.44	332.89	134.40	919.77	29.52
		2	8.70	17.30	2.95	41.87	81.05	497.18	15.96
	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	7.94	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	6.47	16.06	3.31	47.02	73.53	545.81	21.74
	E1	1	6.00	12.46	1.08	15.34	61.75	192.65	6.18
		2	6.00	126.73	19.26	273.44	209.79	1107.76	35.56
	Gf1	1	3.59	19.11	0.25	3.62	75.96	36.46	1.17
	Cc2	2	10.73	79.90	22.75	323.05	157.99	1619.40	20.86
		3	9.66	16.02	2.92	41.50	69.95	459.04	7.46
		4	10.17	26.52	6.94	98.58	101.03	952.06	14.24
		5	8.99	5.29	0.10	1.47	28.04	19.79	0.36
		6	7.87	0.58	0.04	0.59	0.00	0.01	0.00
	E2	3	4.00	181.55	13.83	196.39	219.66	602.55	19.34
		4	4.07	2.98	0.20	2.81	9.25	21.82	0.70
	TC5	2	2.76	4.91	0.81	11.51	30.56	181.55	2.28
		3	2.76	1.29	0.27	3.87	2.43	18.51	0.23

	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TC9	1	11.00	78.03	22.95	325.89	162.47	1720.10	21.57
	2	11.05	10.97	1.86	26.44	61.03	372.89	4.68
	3	11.12	13.58	2.80	39.74	69.08	512.58	6.43
TC35	1	2.90	2.29	0.11	1.52	23.15	38.98	0.49
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	2.14	0.07	0.93	32.81	35.77	1.25
TC39	2	2.54	0.28	0.05	0.66	0.00	0.00	0.00
	3	2.40	0.40	0.09	1.21	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	40.97	2.30	32.64	114.13	230.55	8.03
	2	3.97	78.82	5.60	79.59	160.44	410.72	14.31
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	4.77	0.00	0.00	0.00
49	1	3.15	177.77	58.02	823.91	260.53	2801.27	35.12
	2	3.15	2.33	0.88	12.43	0.00	0.00	0.00
50	1	5.78	733.97	289.92	4116.84	430.92	3655.12	45.83
51	1	4.50	1.04	0.29	4.06	0.00	0.00	0.00
52	1	2.40	11.61	2.73	38.72	94.86	801.75	10.05
53	1	3.00	435.85	212.49	3017.41	351.76	4748.68	59.54
55	1	10.92	17.30	0.08	1.12	73.94	12.18	0.15
56	1	24.00	23.36	0.08	1.11	85.35	10.24	0.13

Traffic Stream Results: Queues and blocking

Time Segment	Arm	Traffic Stream	Initial queue (PCU)	Mean max queue (PCU)	Max queue storage (PCU)	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))	Estimated blocking
	A	1	0.00	13.00	12.96	100.30	0.00	0.00	
		2	0.00	3.82	13.37	28.57	0.00	6.00	
		3	0.00	4.18	13.67	30.55	0.00	6.00	
		4	0.00	17.40	13.97	124.53	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	2.88	15.30	18.81	0.00	4.00	
	Acf	1	0.00	27.78	12.10	229.54	0.00	29.26	
		2	0.00	0.04	12.25	0.32	0.00	27.00	
	Af	1	0.00	0.51	9.54	5.32	0.00	17.00	
		2	0.00	0.07	9.51	0.78	0.00	18.00	
		3	0.00	0.21	9.54	2.17	0.00	17.00	
	B	1	0.00	19.90	16.46	120.89	0.00	10.01	
		2	0.00	4.22	16.90	24.97	0.00	5.14	
		3	0.00	4.60	17.34	26.54	0.00	0.00	
		4	0.00	3.80	17.81	21.34	0.00	0.00	
	Bc	1	0.00	7.39	23.11	31.95	0.00	4.00	
		2	0.00	13.32	22.87	58.22	0.00	3.92	
		3	0.00	22.07	22.63	97.50	0.00	0.00	
	Bcf	1	0.00	1.33	10.90	12.19	0.00	60.00	
		2	0.00	0.09	10.98	0.79	0.00	18.00	
		3	0.00	0.15	10.84	1.34	0.00	18.00	
		4	0.00	2.08	10.83	19.21	0.00	12.14	
	Bf	1	0.00	47.25	39.62	119.27	0.00	49.95	
		2	0.00	0.07	39.73	0.17	0.00	5.00	
	C	1	0.00	8.10	21.07	38.44	0.00	0.00	
		2	0.00	5.22	21.28	24.55	0.00	0.36	
		3	0.00	4.11	21.63	19.03	0.00	0.00	

16:30-17:30	Cf	1	0.00	0.03	25.15	0.14	0.00	0.00	
		2	0.00	0.08	25.37	0.30	0.00	0.00	
	D	1	0.00	6.48	9.57	67.76	0.00	4.00	
		2	0.00	2.83	9.57	29.63	0.00	9.00	
		3	0.00	4.89	9.72	50.31	0.00	7.00	
		4	0.00	6.63	10.37	63.90	0.00	5.00	
	Dc	1	0.00	2.52	8.74	28.80	0.00	8.00	
		2	0.00	9.09	8.41	108.14	0.00	5.00	
		3	0.00	2.34	8.07	28.99	0.00	14.00	
		4	0.00	3.23	7.74	41.72	0.00	12.00	
	Dcf	1	0.00	0.33	11.47	2.90	0.00	14.00	
		2	0.00	0.10	11.46	0.84	0.00	30.00	
		3	0.00	0.05	11.54	0.40	0.00	14.00	
		4	0.00	7.66	11.58	66.18	0.00	25.33	
		5	0.00	0.01	11.64	0.05	0.00	29.00	
		6	0.00	0.02	11.68	0.18	0.00	32.00	
	Df	1	0.00	4.03	34.78	11.59	0.00	0.00	
		2	0.00	5.20	34.78	14.96	0.00	0.00	
	Dxp	1	0.00	3.07	8.11	37.87	0.00	5.00	
		2	0.00	0.46	8.46	5.47	0.00	7.00	
	Ec	1	0.00	7.85	8.71	90.14	0.00	18.00	
		2	0.00	3.96	8.42	46.97	0.00	11.00	
		3	0.00	6.88	8.13	84.55	0.00	5.00	
		4	0.00	2.48	7.85	31.59	0.00	12.00	
	Ecf	1	0.00	2.44	7.99	30.50	0.00	23.32	
		2	0.00	3.14	8.06	38.96	0.00	16.54	
		3	0.00	0.02	8.16	0.27	0.00	31.00	
		4	0.00	2.38	8.26	28.87	0.00	27.11	
		5	0.00	0.02	8.44	0.28	0.00	40.00	
	Ef	1	0.00	0.19	22.18	0.84	0.00	0.00	
		2	0.00	67.27	22.18	303.27	0.00	43.79	
	Exp	1	0.00	7.04	9.01	78.08	0.00	8.00	
		2	0.00	8.31	9.34	89.02	0.00	19.00	
	F	1	0.00	3.13	14.80	21.11	0.00	0.00	
		2	0.00	4.09	14.91	27.45	0.00	0.00	
		3	0.00	8.11	15.17	53.42	0.00	0.00	
	Fc	1	0.00	5.39	31.86	16.91	0.00	13.00	
		2	0.00	12.38	31.56	39.25	0.00	10.59	
		3	0.00	45.53	31.35	145.21	0.00	11.40	
	Ff	1	0.00	0.05	47.95	0.11	0.00	0.00	
		2	0.00	0.04	47.89	0.08	0.00	0.00	
	G	1	0.00	34.13	27.16	125.67	0.00	6.84	
		2	0.00	4.23	26.54	15.96	0.00	8.51	
	Gf	1	0.00	10.43	6.76	154.25	0.00	51.70	
		2	0.00	0.01	6.69	0.11	0.00	40.00	
	xA	1	0.00	2.45	39.94	6.14	0.00	30.56	
		2	0.00	0.09	40.00	0.21	0.00	39.00	
	xB	1	0.00	0.00	8.74	0.00	0.00	8.00	
	xC	1	0.00	30.26	20.10	150.53	0.00	38.32	
		2	0.00	9.01	20.17	44.65	0.00	39.84	
	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	18.00	
	xE	1	0.00	0.00	30.24	0.00	0.00	14.00	
		2	0.00	0.00	30.23	0.00	0.00	27.00	
	xF	1	0.00	0.00	18.42	0.00	0.00	14.00	
	Cc1	1	0.00	13.63	16.61	82.06	0.00	5.00	
	E1	1	0.00	3.22	13.91	23.13	0.00	7.00	
		2	0.00	22.81	13.91	163.96	0.00	11.59	

	Gf1	1	0.00	0.73	8.32	8.83	0.00	53.76	
	Cc2	2	0.00	30.29	15.68	193.13	0.00	1.40	
		3	0.00	9.40	15.47	60.80	0.00	4.00	
		4	0.00	16.24	15.72	103.29	0.00	0.00	
		5	0.00	0.33	15.29	2.16	0.00	15.00	
		6	0.00	0.04	15.20	0.27	0.00	18.00	
	E2	3	0.00	14.75	9.27	159.17	0.00	18.34	
		4	0.00	0.35	9.45	3.69	0.00	6.00	
	TC5	2	0.00	3.03	4.01	75.56	0.00	17.00	
		3	0.00	0.31	4.00	7.74	0.00	18.00	
		4	0.00	0.00	4.25	0.00	0.00	0.00	
	TC9	1	0.00	31.73	15.95	198.93	0.00	0.00	
		2	0.00	6.41	16.02	40.05	0.00	0.00	
		3	0.00	8.65	16.12	53.68	0.00	0.00	
	TC35	1	0.00	1.46	4.20	34.74	0.00	19.00	
	TC36	1	0.00	0.07	4.39	1.66	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	66.29	0.00	9.00	
	TC39	2	0.00	0.05	6.13	0.76	0.00	37.00	
		3	0.00	0.09	5.79	1.47	0.00	38.00	
	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	34.00	
	TC41	1	0.00	3.91	9.50	41.15	0.00	0.00	
		2	0.00	7.58	9.58	79.19	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	3.50	0.00	0.00	
	49	1	0.00	72.34	4.56	1584.91	0.00	26.05	
		2	0.00	0.88	4.56	19.18	0.00	0.00	
	50	1	0.00	301.29	8.37	3598.24	0.00	33.21	
	51	1	0.00	0.29	6.52	4.38	0.00	0.00	
	52	1	0.00	13.69	3.48	393.71	0.00	0.00	
	53	1	0.00	226.28	4.35	5204.40	0.00	0.00	
	55	1	0.00	0.21	15.83	1.34	0.00	7.00	
	56	1	0.00	0.17	34.78	0.50	0.00	7.00	

Traffic Stream Results: Advanced

Time Segment	Arm	Traffic Stream	Degree of saturation penalty (£ per hr)	Ped gap accepting penalty (£ per hr)	Warmed up	Mean Max Queue EoTS (PCU)	Max End of Green Queue EoTS (PCU)	Max End of Red Queue EoTS (PCU)	PCU Factor	Cost of traffic penalties (£ per hr)	Performance Index (£ per hr)
	A	1	0.00	0.00	✓	13.14	3.69	12.62	1.00	0.00	130.75
		2	0.00	0.00	✓	3.82	0.12	3.65	1.00	0.00	28.57
		3	0.00	0.00	✓	4.18	0.63	4.18	1.00	0.00	36.18
		4	0.00	0.00	✓	19.30	11.27	19.16	1.00	0.00	206.17
	Ac	1	0.00	0.00		36.56	20.69	36.51	1.00	0.00	380.34
		2	0.00	0.00		5.36	0.11	4.97	1.00	0.00	44.11
		3	0.00	0.00		2.88	0.56	2.07	1.00	0.00	17.10
	Acf	1	0.00	0.00		34.87			1.00	0.00	340.67
		2	0.00	0.00		0.04			1.00	0.00	0.56
	Af	1	0.00	0.00	✓	0.51			1.00	0.00	7.21
		2	0.00	0.00	✓	0.07			1.00	0.00	1.05
		3	0.00	0.00	✓	0.21			1.00	0.00	2.94
	B	1	0.00	0.00		21.59	20.12	21.59	1.00	0.00	284.98
		2	0.00	0.00		4.22	0.33	4.22	1.00	0.00	43.74
		3	0.00	0.00		4.61	0.78	4.45	1.00	0.00	34.50
		4	0.00	0.00		3.81	0.51	3.45	1.00	0.00	22.73
		1	0.00	0.00	✓	7.39	0.42	4.38	1.00	0.00	24.81

	Bc	2	0.00	0.00		13.33	1.61	5.82	1.00	0.00	68.01
		3	0.00	0.00		22.14	3.21	10.25	1.00	0.00	114.96
	Bcf	1	0.00	0.00		1.33			1.00	0.00	18.87
		2	0.00	0.00	✓	0.09			1.00	0.00	1.22
		3	0.00	0.00		0.15			1.00	0.00	2.06
		4	0.00	0.00		2.08			1.00	0.00	4.03
	Bf	1	0.00	0.00		50.78			1.00	0.00	586.73
		2	0.00	0.00		0.07			1.00	0.00	0.94
	C	1	0.00	0.00	✓	8.13	1.61	7.59	1.00	0.00	64.98
		2	0.00	0.00		5.23	0.45	4.93	1.00	0.00	36.45
		3	0.00	0.00	✓	4.12	0.29	3.96	1.00	0.00	28.53
	Cf	1	0.00	0.00	✓	0.03			1.00	0.00	0.48
		2	0.00	0.00	✓	0.08			1.00	0.00	1.08
	D	1	0.00	0.00	✓	6.49	0.68	6.46	1.00	0.00	63.16
		2	0.00	0.00	✓	2.83	0.11	2.83	1.00	0.00	24.86
16:30-17:30	Dc	4	0.00	0.00	✓	6.63	0.55	6.63	1.00	0.00	63.63
		1	0.00	0.00		2.52	0.20	2.09	1.00	0.00	14.28
		2	0.00	0.00		9.13	2.18	9.11	1.00	0.00	88.79
		3	0.00	0.00		2.34	0.02	0.78	1.00	0.00	5.39
		4	0.00	0.00		3.23	0.08	3.18	1.00	0.00	26.20
	Dcf	1	0.00	0.00		0.33			1.00	0.00	4.72
		2	0.00	0.00		0.10			1.00	0.00	1.37
		3	0.00	0.00		0.05			1.00	0.00	0.66
		4	0.00	0.00		7.67			1.00	0.00	31.08
		5	0.00	0.00		0.01			1.00	0.00	0.09
		6	0.00	0.00		0.02			1.00	0.00	0.31
	Df	1	0.00	0.00	✓	4.03	0.17	2.86	1.00	0.00	12.64
		2	0.00	0.00	✓	5.20	0.19	3.53	1.00	0.00	15.72
	Dxp	1	0.00	0.00	✓	3.08	1.41	3.05	1.00	0.00	29.52
		2	0.00	0.00	✓	0.46	0.38	0.46	1.00	0.00	6.45
	Ec	1	0.00	0.00		7.88	1.73	7.05	1.00	0.00	64.39
		2	0.00	0.00		3.96	0.18	3.96	1.00	0.00	29.77
		3	0.00	0.00		6.88	1.02	6.88	1.00	0.00	62.87
		4	0.00	0.00		2.48	0.16	1.44	1.00	0.00	13.18
	Ecf	1	0.00	0.00		2.44			1.00	0.00	5.58
		2	0.00	0.00		3.14			1.00	0.00	11.62
		3	0.00	0.00		0.02			1.00	0.00	0.31
		4	0.00	0.00		2.38			1.00	0.00	1.06
		5	0.00	0.00		0.02			1.00	0.00	0.34
	Ef	1	0.00	0.00	✓	0.19			1.00	0.00	2.65
		2	0.00	0.00		124.19			1.00	0.00	893.15
	Exp	1	0.00	0.00		7.04	0.20	6.88	1.00	0.00	40.02
		2	0.00	0.00		8.31	0.15	6.81	1.00	0.00	40.13
	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		5.39	0.17	4.66	1.00	0.00	15.53
		2	0.00	0.00		12.38	0.35	5.22	1.00	0.00	29.18
		3	0.00	0.00		52.15	32.20	41.84	1.00	0.00	496.93
	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		36.61	28.84	36.58	1.00	0.00	447.74
		2	0.00	0.00		4.24	0.24	4.18	1.00	0.00	40.97
	Gf	1	0.00	0.00		12.10			1.00	0.00	130.58
		2	0.00	0.00		0.01			1.00	0.00	0.11
	xA	1	0.00	0.00		2.45			1.00	0.00	8.20
		2	0.00	0.00		0.09			1.00	0.00	1.21

	xB	1	0.00	0.00		0.00			1.00	0.00	0.00
	xC	1	0.00	0.00		35.61			1.00	0.00	362.42
		2	0.00	0.00		9.05			1.00	0.00	57.83
	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		13.64	0.82	8.04	1.00	0.00	68.76
	E1	1	0.00	0.00	✓	3.22	0.09	3.13	1.00	0.00	21.52
		2	0.00	0.00		33.82	28.28	33.43	1.00	0.00	309.00
	Gf1	1	0.00	0.00		0.73			1.00	0.00	4.79
	Cc2	2	0.00	0.00		36.92	22.50	36.81	1.00	0.00	343.90
		3	0.00	0.00		9.41	0.57	5.80	1.00	0.00	48.96
		4	0.00	0.00		16.32	3.03	11.99	1.00	0.00	112.81
		5	0.00	0.00		0.33	0.00	0.33	1.00	0.00	1.84
		6	0.00	0.00		0.04	0.04	0.04	1.00	0.00	0.59
	E2	3	0.00	0.00		18.15	17.91	18.15	1.00	0.00	215.73
		4	0.00	0.00		0.35	0.05	0.34	1.00	0.00	3.51
	TC5	2	0.00	0.00		3.03	0.13	3.03	1.00	0.00	13.79
		3	0.00	0.00		0.31	0.26	0.31	1.00	0.00	4.10
		4	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC9	1	0.00	0.00	✓	38.46	22.55	38.41	1.00	0.00	347.45
		2	0.00	0.00	✓	6.42	0.37	5.46	1.00	0.00	31.12
		3	0.00	0.00	✓	8.66	0.78	7.16	1.00	0.00	46.17
	TC35	1	0.00	0.00		1.46	0.01	0.65	1.00	0.00	2.01
	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	2.18
	TC39	2	0.00	0.00		0.05			1.00	0.00	0.66
		3	0.00	0.00		0.09			1.00	0.00	1.21
	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	✓	3.93	0.95	3.87	1.00	0.00	40.67
		2	0.00	0.00	✓	8.17	4.40	8.10	1.00	0.00	93.89
	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	4.77
	49	1	0.00	0.00	✓	122.48			1.00	0.00	859.03
		2	0.00	0.00	✓	0.88			1.00	0.00	12.43
	50	1	0.00	0.00		588.18			1.00	0.00	4162.67
	51	1	0.00	0.00	✓	0.29			1.00	0.00	4.06
	52	1	0.00	0.00	✓	13.70	0.52	6.18	1.00	0.00	48.77
	53	1	0.00	0.00		428.86	406.80	412.64	1.00	0.00	3076.95
	55	1	0.00	0.00	✓	0.21	0.00	0.21	1.00	0.00	1.28
	56	1	0.00	0.00	✓	0.17	0.00	0.17	1.00	0.00	1.23

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	12	0.00	0.00	0.00	0.00
		2	0	0	11000	12	0.00	0.00	0.00	0.00
	10	1	0	0	11000	17	0.00	0.00	0.00	0.00
		2	0	0	11000	17	0.00	0.00	0.00	0.00
	11	1	0	0	11000	28	0.00	0.00	0.00	0.00
		2	0	0	11000	28	0.00	0.00	0.00	0.00
	12	1	0	0	11000	28	0.00	0.00	0.00	0.00
		2	0	0	11000	28	0.00	0.00	0.00	0.00
	13	1	0	0	11000	11	0.00	0.00	0.00	0.00
		2	0	0	11000	11	0.00	0.00	0.00	0.00
	14	1	0	0	11000	39	0.00	0.00	0.00	0.00
		2	0	0	11000	39	0.00	0.00	0.00	0.00
	15	1	0	0	0	0	0.00	0.00	0.00	0.00
		2	0	0	0	0	0.00	0.00	0.00	0.00
	16	1	0	0	11000	9	0.00	0.00	0.00	0.00
		2	0	0	11000	9	0.00	0.00	0.00	0.00
	17	1	0	0	11000	5	0.00	0.00	0.00	0.00
		2	0	0	11000	5	0.00	0.00	0.00	0.00
	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	2750	0		Unrestricted	0.00	12
		2	0	0	0		11000	2750	0		Unrestricted	0.00	12
	10	1	0	0	0		11000	3667	0		Unrestricted	0.00	17
		2	0	0	0		11000	3667	0		Unrestricted	0.00	17
	11	1	0	0	0		11000	5683	0		Unrestricted	0.00	28
		2	0	0	0		11000	5683	0		Unrestricted	0.00	28
	12	1	0	0	0		11000	5683	0		Unrestricted	0.00	28
		2	0	0	0		11000	5683	0		Unrestricted	0.00	28
	13	1	0	0	0		11000	2567	0		Unrestricted	0.00	11
		2	0	0	0		11000	2567	0		Unrestricted	0.00	11
	14	1	0	0	0		11000	7700	0		Unrestricted	0.00	39
		2	0	0	0		11000	7700	0		Unrestricted	0.00	39
	15	1	0	0	0		0	0	0		-100	0.00	0
		2	0	0	0		0	0	0		-100	0.00	0
	16	1	0	0	0		11000	2200	0		Unrestricted	0.00	9
		2	0	0	0		11000	2200	0		Unrestricted	0.00	9
	17	1	0	0	0		11000	1467	0		Unrestricted	0.00	5
		2	0	0	0		11000	1467	0		Unrestricted	0.00	5
	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	Item with worst over PR
2	19/07/2021 23:50:52	19/07/2021 23:51:05	16:30	60	16000.58	1054.54	167.64	50/1	19	12	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	168	-100	76432	4984	49.67	14974.52	1026.06	16000.58

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	626	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	76432	75208	6528	✓	168	✓	-100	5610

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	8.09	49.67	1054.54	14974.52	69.55	48599.24	1026.06

Network Results: Queues and blocking

Time Segment	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))
16:30-17:30	5204.40	0.00	1627.87

Network Results: Advanced

Time Segment	Degree of saturation penalty (£ per hr)	Ped gap accepting penalty (£ per hr)	Warmup	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	16000.58

Point to Point Journey Time

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	1561.4	2443.7	1491.2	916.2	935.6	910.8	922.0	0.0
	B28	855.4	0.0	106.0	145.6	120.7	146.2	157.9	0.0
	C28	823.6	446.1	0.0	108.3	85.6	112.7	125.8	0.0
	D28	697.3	358.2	217.0	0.0	231.5	94.5	103.5	0.0
	E28	901.8	893.4	436.2	48.6	0.0	90.7	98.4	0.0
	F28	553.5	259.9	264.8	296.2	272.5	0.0	16.4	0.0
	G28	767.6	480.2	206.1	238.0	216.2	235.1	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Calculated Total Flow (PCU/hr)	Avg journey time (s)
32	C28	E28	98	85.61	98	85.61

36	C28	E28	0	0.00	0	0.00
68	E28	G28	156	98.49	156	98.49
81	G28	B28	157	533.88	157	533.88
82	G28	B28	157	426.92	157	426.92
83	G28	B28	4	463.69	4	463.69
84	G28	B28	0	0.00	0	0.00
85	D28	B28	146	432.30	146	432.30
86	D28	B28	146	326.11	146	326.11
87	D28	B28	44	340.63	44	340.63
88	D28	B28	43	234.34	43	234.34
89	H28	B28	0	0.00	0	0.00
90	H28	B28	0	0.00	0	0.00
91	C28	F28	21	112.69	21	112.69
92	E28	F28	10	90.75	10	90.75
100	E28	B28	292	514.33	292	514.33
102	A28	C28	60	2379.10	60	2379.10
104	C28	G28	137	120.16	137	120.16
107	A28	B28	27	2390.29	27	2390.29
109	C28	G28	323	129.18	323	129.18
110	E28	G28	8	96.99	8	96.99
111	G28	G28	0	0.00	0	0.00
112	F28	G28	110	16.44	110	16.44
113	G28	G28	0	0.00	0	0.00
114	C28	H28	0	0.00	0	0.00
115	B28	C28	4	101.92	4	101.92
116	G28	G28	0	0.00	0	0.00
117	G28	F28	2	405.80	2	405.80
118	G28	G28	0	0.00	0	0.00
124	H28	F28	0	0.00	0	0.00
125	H28	H28	0	0.00	0	0.00
128	F28	F28	0	0.00	0	0.00
129	F28	H28	0	0.00	0	0.00
130	G28	G28	0	0.00	0	0.00
131	G28	G28	0	0.00	0	0.00
132	H28	H28	0	0.00	0	0.00
133	F28	H28	0	0.00	0	0.00
136	A28	G28	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	A28	H28	0	0.00	0	0.00
140	E28	C28	0	0.00	0	0.00
141	E28	C28	0	0.00	0	0.00
142	C28	H28	0	0.00	0	0.00
143	E28	H28	0	0.00	0	0.00
144	D28	C28	0	0.00	0	0.00
145	H28	C28	0	0.00	0	0.00
146	G28	A28	0	0.00	0	0.00
147	G28	C28	611	198.33	611	198.33
148	G28	C28	0	0.00	0	0.00
149	A28	E28	40	1382.91	40	1382.91
150	E28	B28	335	1223.75	335	1223.75
151	E28	C28	47	460.31	47	460.31
152	D28	C28	238	233.47	238	233.47
153	H28	C28	0	0.00	0	0.00
154	D28	D28	0	0.00	0	0.00
155	D28	E28	9	231.73	9	231.73
156	H28	D28	0	0.00	0	0.00
157	H28	E28	0	0.00	0	0.00

158	F28	D28	88	296.17	88	296.17
159	F28	E28	44	273.20	44	273.20
160	F28	E28	44	271.84	44	271.84
162	C28	E28	2	85.83	2	85.83
163	A28	A28	2	1506.39	2	1506.39
164	A28	A28	2	1616.35	2	1616.35
165	B28	G28	119	162.78	119	162.78
166	B28	C28	99	106.13	99	106.13
167	C28	G28	0	0.00	0	0.00
169	B28	B28	0	0.00	0	0.00
170	B28	B28	0	0.00	0	0.00
171	G28	H28	0	0.00	0	0.00
172	F28	A28	162	553.54	162	553.54
181	B28	F28	13	146.19	13	146.19
183	C28	B28	0	0.00	0	0.00
184	C28	B28	0	0.00	0	0.00
185	A28	B28	27	2497.03	27	2497.03
186	A28	C28	351	1339.36	351	1339.36
195	D28	G28	173	103.48	173	103.48
196	D28	F28	60	94.48	60	94.48
234	C28	G28	36	120.16	36	120.16
235	E28	G28	0	0.00	0	0.00
236	E28	H28	0	0.00	0	0.00
294	C28	B28	24	671.27	24	671.27
295	C28	B28	24	220.85	24	220.85
296	D28	G28	0	0.00	0	0.00
297	D28	H28	0	0.00	0	0.00
304	C28	D28	313	108.34	313	108.34
305	E28	D28	114	48.55	114	48.55
315	G28	A28	793	767.58	793	767.58
320	C28	A28	0	0.00	0	0.00
321	C28	A28	381	823.63	381	823.63
323	E28	A28	24	682.35	24	682.35
324	E28	A28	453	913.39	453	913.39
325	D28	A28	5	697.34	5	697.34
326	H28	A28	0	0.00	0	0.00
383	A28	G28	424	922.07	424	922.07
384	A28	H28	0	0.00	0	0.00
385	B28	H28	0	0.00	0	0.00
386	B28	A28	0	0.00	0	0.00
387	B28	A28	19	855.41	19	855.41
391	B28	G28	119	153.66	119	153.66
392	B28	G28	19	153.66	19	153.66
393	B28	H28	0	0.00	0	0.00
402	B28	D28	178	145.63	178	145.63
403	B28	E28	166	123.53	166	123.53
423	C28	D28	0	0.00	0	0.00
424	C28	E28	0	0.00	0	0.00
425	C28	G28	10	112.27	10	112.27
426	C28	F28	0	0.00	0	0.00
427	C28	H28	0	0.00	0	0.00
432	C28	G28	0	0.00	0	0.00
433	C28	H28	0	0.00	0	0.00
434	C28	A28	0	0.00	0	0.00
436	C28	A28	0	0.00	0	0.00
441	B28	E28	347	119.38	347	119.38
448	A28	F28	60	910.76	60	910.76
449	A28	G28	10	918.23	10	918.23

450	F28	B28	20	313.35	20	313.35
451	F28	B28	20	206.39	20	206.39
458	G28	F28	27	222.50	27	222.50
475	G28	C28	50	426.45	50	426.45
476	G28	C28	10	362.90	10	362.90
477	C28	C28	0	0.00	0	0.00
478	C28	C28	0	0.00	0	0.00
479	C28	C28	0	0.00	0	0.00
480	C28	C28	0	0.00	0	0.00
481	C28	C28	0	0.00	0	0.00
482	C28	C28	0	0.00	0	0.00
483	E28	C28	0	0.00	0	0.00
484	D28	C28	0	0.00	0	0.00
485	F28	C28	0	0.00	0	0.00
487	G28	D28	141	237.98	141	237.98
488	G28	E28	125	215.22	125	215.22
489	G28	D28	0	0.00	0	0.00
490	G28	E28	0	0.00	0	0.00
491	A28	D28	13	916.19	13	916.19
492	A28	E28	406	891.56	406	891.56
493	E28	E28	1	0.00	1	0.00
494	G28	C28	324	181.94	324	181.94
495	G28	E28	125	214.51	125	214.51
496	G28	C28	0	0.00	0	0.00
497	G28	E28	2	385.40	2	385.40
498	C28	C28	0	0.00	0	0.00
499	C28	C28	0	0.00	0	0.00
500	E28	C28	47	412.02	47	412.02
501	E28	E28	1	0.00	1	0.00
502	D28	C28	120	184.22	120	184.22
503	D28	E28	9	231.33	9	231.33
504	H28	C28	0	0.00	0	0.00
505	H28	E28	0	0.00	0	0.00
506	F28	C28	40	257.76	40	257.76
507	C28	C28	0	0.00	0	0.00
508	C28	C28	0	0.00	0	0.00
509	F28	C28	40	271.88	40	271.88

Final Prediction Table

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUE
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	888 <	2050	28	0.00	90	0	36.02	30.43	84.92	13.00 +
	2	(untitled)	6	771-2	E	386	2050	28	6.00	39	131	19.67	13.91	59.77	3.82
	3	(untitled)	6	771-2	E	651	2050	28	6.00	66	37	16.84	10.94	38.63	4.18
	4	(untitled)	6	771-2	E	962 <	2050	28	0.00	97	-7	52.16	46.13	101.00	17.40 +
Ac	1	(untitled)	6	771-2	D	867 <	2263	22	0.00	100	-10	102.80	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	554	2263	22	4.00	64	41	12.61	6.02	22.32	2.88
Acf	1	(untitled)	6			1160 <	2263	60	29.26	100	-10	69.03	63.81	131.10	27.78 +
	2	(untitled)	6			554	2263	60	27.00	24	268	7.50	0.26	0.00	0.04
Af	1	(untitled)	6			1274	2050	60	17.00	62	45	8.02	1.44	0.00	0.51
	2	(untitled)	6			651	2050	60	18.00	32	183	6.97	0.41	0.00	0.07

	3	(untitled)	6			962	2050	60	17.00	47	92	7.36	0.77	0.00	0.21
B	1	(untitled)	1	769-1	B	68 <	2050	11	10.01	100	-10	1031.38	1024.28	457.65	19.90 +
	2	(untitled)	1	769-1	B	233	2150	11	5.14	55	64	45.98	38.69	108.32	4.22
	3	(untitled)	1	769-1	B	292	2100	11	0.00	69	30	29.82	22.35	93.90	4.60
	4	(untitled)	1	769-1	B	255	2050	11	0.00	62	45	32.05	19.76	88.42	3.80
Bc	1	(untitled)	1	769-1	A	765	2050	37	4.00	59	53	15.19	5.22	36.91	7.39
	2	(untitled)	1	769-1	A	934	2050	37	3.92	80	12	23.17	13.30	63.32	13.32
	3	(untitled)	1	769-1	A	1145	2050	37	0.00	88	2	28.17	18.42	86.53	22.07
Bcf	1	(untitled)	1			1755	2263	60	60.00	78	16	7.06	2.73	0.00	1.33
	2	(untitled)	1			765	2263	60	18.00	34	166	5.75	0.41	0.00	0.09
	3	(untitled)	1			934	2263	60	18.00	41	118	6.35	0.56	0.00	0.15
	4	(untitled)	1			1145	2263	60	12.14	51	77	6.98	0.82	1.37	2.08
Bf	1	(untitled)	1			301 <	1800	60	49.95	100	-10	505.09	477.75	504.48	47.25 +
	2	(untitled)	1			547	1800	60	5.00	30	196	27.85	0.44	0.01	0.07
C	1	(untitled)	2	769-2	G	450	2100	15	0.00	80	12	47.75	33.21	106.90	8.10
	2	(untitled)	2	769-2	G	344	2200	15	0.36	60	50	38.65	23.97	90.94	5.22
	3	(untitled)	2	769-2	G	287	2050	15	0.00	53	71	37.39	22.47	85.94	4.11
Cf	1	(untitled)	2			450	1965	60	0.00	23	293	17.62	0.27	0.00	0.03
	2	(untitled)	2			631	1965	60	0.00	32	180	17.94	0.43	0.00	0.08
D	1	(untitled)	3	770-1	B	413	2050	17	4.00	67	34	35.25	31.13	93.94	6.48
	2	(untitled)	3	770-1	B	204	1850	17	9.00	37	145	28.24	24.11	83.30	2.83
	3	(untitled)	3	770-1	B	323	2250	17	7.00	48	88	31.05	26.85	89.72	4.89
	4	(untitled)	3	770-1	B	429	2250	17	5.00	64	42	34.51	30.04	92.96	6.63
Dc	1	(untitled)	3	770-1	A	551	2100	33	8.00	46	94	8.50	4.72	22.73	2.52
	2	(untitled)	3	770-1	A	1000 <	2100	33	5.00	84	7	21.59	17.97	55.78	9.09 +
	3	(untitled)	3	770-1	A	220	2100	33	14.00	19	386	7.94	4.46	21.36	2.34
	4	(untitled)	3	770-1	A	392	2100	33	12.00	33	174	16.27	12.94	49.47	3.23
Dcf	1	(untitled)	3			1124	2050	60	14.00	55	64	6.01	1.06	0.00	0.33
	2	(untitled)	3			743	2100	60	30.00	35	154	5.41	0.47	0.00	0.10
	3	(untitled)	3			551	2100	60	14.00	26	243	5.28	0.30	0.00	0.05
	4	(untitled)	3			1000	2100	60	25.33	65	38	9.90	4.90	36.54	7.66
	5	(untitled)	3			221	2100	60	29.00	11	757	5.12	0.10	0.02	0.01
	6	(untitled)	3			392	2100	60	32.00	19	382	5.23	0.20	0.08	0.02
Df	1	(untitled)	3-2	13	B	605	1900	43	0.00	43	107	28.12	4.12	36.84	4.03
	2	(untitled)	3-2	13	B	752	2250	43	0.00	46	97	28.12	4.12	37.20	5.20
Dxp	1	(untitled)	3-2	770-2	D	1124	2050	41	5.00	78	15	8.87	5.38	15.77	3.07
	2	(untitled)	3-2	770-2	D	818	2050	41	7.00	57	58	5.38	1.73	3.33	0.46
Ec	1	(untitled)	4	770-3	F	728	2150	24	18.00	81	11	20.92	17.16	64.81	7.85
	2	(untitled)	4	770-3	F	424	2263	24	11.00	45	100	16.87	13.23	55.90	3.96
	3	(untitled)	4	770-3	F	694	2263	24	5.00	74	22	21.53	18.02	60.78	6.88
	4	(untitled)	4	770-3	F	401	2250	24	12.00	43	110	9.96	6.58	21.53	2.48
Ecf	1	(untitled)	4			651	2100	60	23.32	38	136	4.89	1.45	8.94	2.44
	2	(untitled)	4			1313	2100	60	16.54	64	40	5.18	1.70	6.66	3.14
	3	(untitled)	4			424	2263	60	31.00	19	380	3.70	0.18	0.00	0.02
	4	(untitled)	4			694	2300	60	27.11	30	198	3.90	0.34	0.58	2.38
	5	(untitled)	4			449	2300	60	40.00	20	361	3.83	0.19	0.00	0.02
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	43.79	122	-26	367.93	352.63	327.01	67.27 +
Exp	1	(untitled)	4-2	770-4	L	651	2050	40	8.00	46	94	14.23	10.34	64.53	7.04
	2	(untitled)	4-2	770-4	L	586	2050	40	19.00	42	115	14.73	10.70	82.22	8.31
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	590	2263	35	13.00	43	107	23.84	4.50	52.55	5.39
	2	(untitled)	5	771-1	A	725	2263	35	10.59	56	61	25.46	6.72	81.22	12.38
	3	(untitled)	5	771-1	A	929 <	2263	35	11.40	100	-10	140.10	120.56	383.21	45.53 +
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	308 <	2050	15	6.84	98	-8	367.31	351.25	404.78	34.13 +
	2	(untitled)	2	769-2	F	260	2050	15	8.51	49	83	43.26	31.82	106.54	4.23
Gf	1	(untitled)	4			274 <	2050	60	51.70	97	-7	107.71	104.80	188.89	10.43 +
	2	(untitled)	4			236	2050	60	40.00	12	682	3.00	0.11	0.00	0.01
xA	1	(untitled)	10			762	2263	60	30.56	40	125	18.89	1.66	13.08	2.45
	2	(untitled)	10			761	2263	60	39.00	34	168	17.65	0.40	0.00	0.09
xB	1	(untitled)				1350	Unrestricted	60	8.00	0	Unrestricted	6.03	0.00	0.00	0.00
xC	1	(untitled)				686 <	1900	60	38.32	100	-10	131.64	122.97	134.40	30.26 +
	2	(untitled)				613	1900	60	39.84	84	8	26.00	17.30	81.05	9.01
xD	1	(untitled)				1124	Unrestricted	60	11.00	0	Unrestricted	9.13	0.00	0.00	0.00
	2	(untitled)				818	Unrestricted	60	18.00	0	Unrestricted	9.21	0.00	0.00	0.00
xE	1	(untitled)				651	Unrestricted	60	14.00	0	Unrestricted	13.04	0.00	0.00	0.00
	2	(untitled)				584	Unrestricted	60	27.00	0	Unrestricted	13.04	0.00	0.00	0.00
xF	1	(untitled)				845	Unrestricted	60	14.00	0	Unrestricted	7.94	0.00	0.00	0.00
Cc1	1	(untitled)	2	769-2	E	742	2050	30	5.00	70	28	22.52	16.06	73.53	13.63
E1	1	(untitled)	4	770-3	G	312	2050	25	7.00	35	156	18.46	12.46	61.75	3.22
	2	(untitled)	4	770-3	G	547 <	2200	25	11.59	104	-13	132.73	126.73	209.79	22.81 +
Gf1	1	(untitled)	4			48	662	60	53.76	19	379	22.70	19.11	75.96	0.73
Cc2	2	(untitled)	2	769-2	D	1025 <	2150	29	1.40	100	-10	90.63	79.90	157.99	30.29 +
	3	(untitled)	2	769-2	D	657	2050	29	4.00	64	40	25.68	16.02	69.95	9.40
	4	(untitled)	2	769-2	D	942 <	2150	29	0.00	88	3	36.69	26.52	101.03	16.24 +
	5	(untitled)	2	769-2	D	71	2050	29	15.00	7	1207	14.28	5.29	28.04	0.33
	6	(untitled)	2	769-2	D	255	2050	29	18.00	25	262	8.45	0.58	0.00	0.04
E2	3	(untitled)	4	770-3	H	274 <	2150	25	18.34	100	-10	185.55	181.55	219.66	14.75 +
	4	(untitled)	4	770-3	H	239	2050	25	6.00	27	234	7.05	2.98	9.25	0.35
TC5	2	(untitled)	TC771-6	TC777-1	A	594	2263	38	17.00	39	129	7.68	4.91	30.56	3.03
	3	(untitled)	TC771-6	TC777-1	A	761	2263	38	18.00	50	79	4.05	1.29	2.43	0.31
	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	1059 <	1925	30	0.00	100	-10	89.04	78.03	162.47	31.73 +
	2	(untitled)	TC771-6	TC777-1	B	611	1966	30	0.00	57	59	22.02	10.97	61.03	6.41
	3	(untitled)	TC771-6	TC777-1	B	742	1947	30	0.00	69	30	24.70	13.58	69.08	8.65
TC35	1	(untitled)	TC771-6	TC777-1	A	168	1900	38	19.00	13	577	5.19	2.29	23.15	1.46
TC36	1	(untitled)	TC771-6			568	1800	60	0.00	32	185	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	437	60	9.00	25	258	3.68	2.14	32.81	2.46
TC39	2	(untitled)	TC771-6			594	2263	60	37.00	26	243	2.82	0.28	0.00	0.05
	3	(untitled)	TC771-6			761	2263	60	38.00	34	168	2.80	0.40	0.00	0.09
TC40	2	(untitled)	TC771-6			703	Unrestricted	60	0.00	0	Unrestricted	4.23	0.00	0.00	0.00
	3	(untitled)	TC771-6			761	Unrestricted	60	34.00	0	Unrestricted	4.02	0.00	0.00	0.00
TC41	1	(untitled)	TC771-6	TC777-1	D	202	1850	8	0.00	73	24	44.90	40.97	114.13	3.91
	2	(untitled)	TC771-6	TC777-1	D	256	1850	8	0.00	92	-2	82.78	78.82	160.44	7.58
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			1081	1965	60	0.00	55	64	7.73	1.12	0.00	0.34

49	1	(untitled)	TC771-6			1175 <	1900	60	26.05	109	-18	180.92	177.77	260.53	72.34 +
	2	(untitled)	TC771-6			1353	1900	60	0.00	71	26	5.48	2.33	0.00	0.88
50	1	(untitled)	1			1422 <	1900	60	33.21	168	-46	739.75	733.97	430.92	301.29
51	1	(untitled)	4-2			993	1900	60	0.00	52	72	5.53	1.04	0.00	0.29
52	1		4	11	A	845 <	1800	44	0.00	63	44	14.01	11.61	94.86	13.69 +
53	1		6	12	A	1755 <	1800	44	0.00	130	-31	438.85	435.85	351.76	226.28
55	1		TC771-6	TC777-1	J	16	1800	7	7.00	7	1211	28.22	17.30	73.94	0.21
56	1		3-2	13	A	12	1800	7	7.00	5	1700	47.36	23.36	85.35	0.17

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	12	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	J	0	11000	12	0	Unrestricted	0.00	0.00	0.00	100	
10	1	(untitled)	2	769-2	K	0	11000	17	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	K	0	11000	17	0	Unrestricted	0.00	0.00	0.00	100	
11	1	(untitled)		769-2	H	0	11000	28	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		769-2	H	0	11000	28	0	Unrestricted	0.00	0.00	0.00	100	
12	1	(untitled)	2	769-2	I	0	11000	28	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	I	0	11000	28	0	Unrestricted	0.00	0.00	0.00	100	
13	1	(untitled)		TC777-1	I	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	I	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	
14	1	(untitled)		TC777-1	F	0	11000	39	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	F	0	11000	39	0	Unrestricted	0.00	0.00	0.00	100	
15	1	(untitled)		TC777-1	G	0	0	0	0	-100	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	G	0	0	0	0	-100	0.00	0.00	0.00	100	
16	1	(untitled)		TC777-1	H	0	11000	9	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	H	0	11000	9	0	Unrestricted	0.00	0.00	0.00	100	
17	1	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	
18	1	(untitled)	11	11	B	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	11	11	B	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	
19	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	

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	6551.44	1226.20	5.34	1054.54	14974.52	1026.06	0.00	16000.58
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	6551.44	1226.20	5.34	1054.54	14974.52	1026.06	0.00	16000.58

- | < = 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**

