TRANSYT 15

Filename: M62 JN 28 CRF Scheme_Mar 20- Scenario 4b - AM - Mitigation - Revised LCC Scheme.t15
Path: Z:\Projects\10127ITM Capitol Park, Leeds F2 (F1A)\Tech\Transyt\TRANSYT - AGREED HE_LCC BASE MODEL (MARCH 2020)\Post-Submission Work
Report generation date: 16/07/2021 10:41:46

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

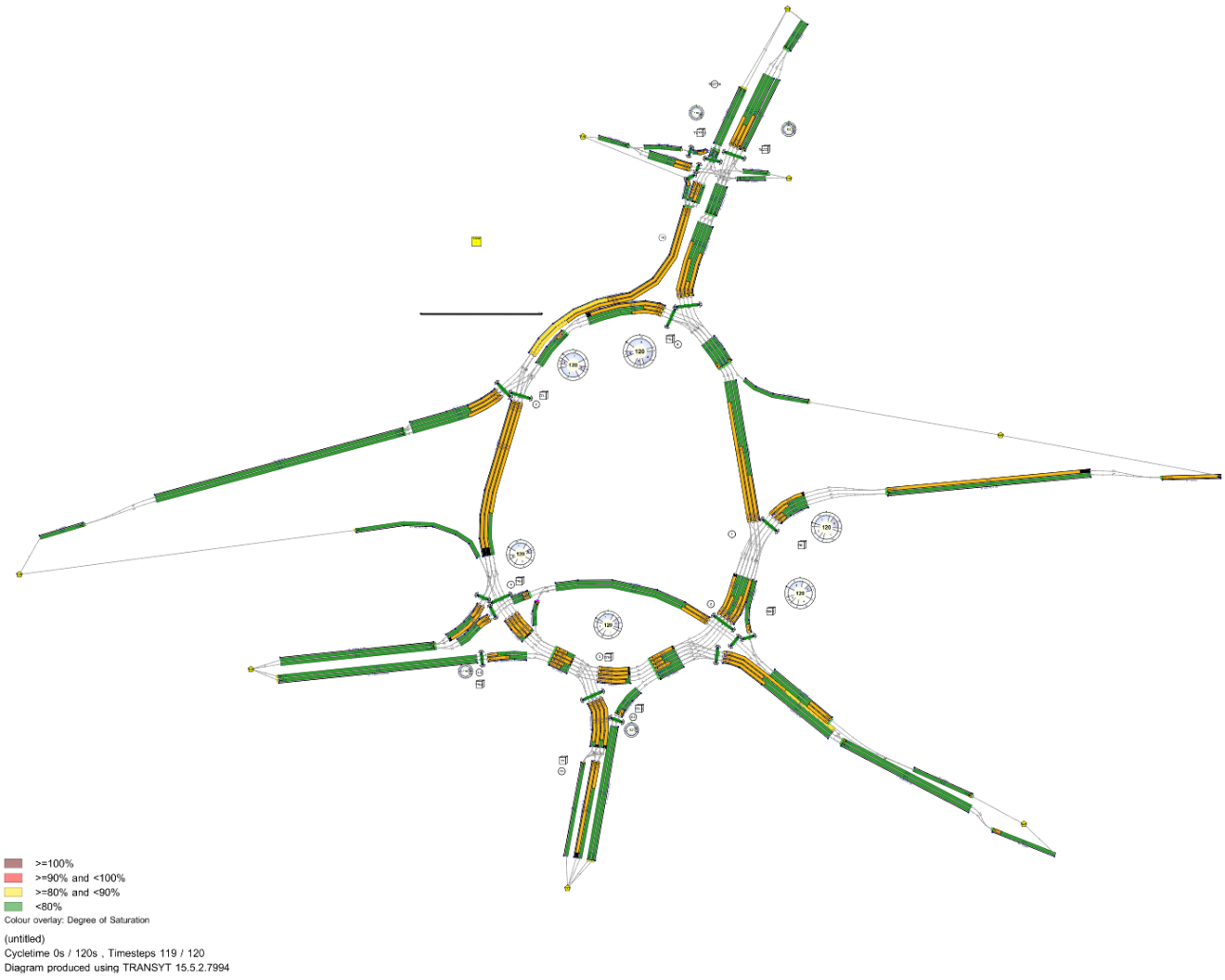
Units

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



A1 - 2019 Base + Committed + Cumulative AM - Mitigation + Revised LCC scheme
D1 - 2019 Base + Committed + Cumulative AM - Mitigation + Revised 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	Pedestrian Crossing Data	Pedestrian crossing 18	Pedestrian Crossing 18: Traffic Node ID 771-2 is missing.
Warning	Pedestrian Crossing Data	Pedestrian crossing 19	Pedestrian Crossing 19: Traffic Node ID 771-2 is missing.
Warning	Pedestrian Crossing Data	Pedestrian crossing 20	Pedestrian Crossing 20: Traffic Node ID 771-1 is missing.
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 TC42 - Traffic Stream 1 - Signals (TC777-1, E)	Traffic Stream 1 controlling phase E never runs in stage sequence 1.

Run Summary

Analysis set used	Run start time	Run finish time	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Ite wit wor over PR
1	16/07/2021 10:41:14	16/07/2021 10:41:26	07:30	120	8420.96	528.00	111.44	50/1	15	9	TC42/1	50/1	TC4

Analysis Set Details

Name	Description	Demand set	Include in report	Locked
2019 Base + Committed + Cumulative AM - Mitigation + Revised LCC scheme		D1	✓	

Demand Set Details

Name	Description	Composite	Demand sets	Start time (HH:mm)	Locked
2019 Base + Committed + Cumulative AM - Mitigation + Revised LCC scheme				07:30	

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)
120		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		✓	770-1, 770-3, 771-1, 11			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
53			TC771-6
54			3-2

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto length	Length (m)	Has Saturation Flow	Saturation flow source	Saturation flow (PCU/hr)	Auto-calculate cell saturation flow	Cell saturation flow (PCU/hr)	Is signal controlled	Is give way	Traffic type	Allow Nearside Turn On Red
A	1	(untitled)	M62E	✓	70.18	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	72.46	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	74.12	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	75.77	✓	Directly entered	2050		2050	✓		Normal	
Ac	1	(untitled)	M62E	✓	89.87	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Wake	✓	86.66	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Dews/Brad	✓	82.54	✓	Directly entered	2263		2263	✓		Normal	
Acf	1	(untitled)		✓	71.36	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	71.73	✓	Directly entered	2263		2263			Normal	
Af	1	(untitled)	M62E/Wake	✓	54.84	✓	Directly entered	2050		2050			Normal	
	2	(untitled)	Dews	✓	54.57	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	54.68	✓	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	✓	133.05	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Dews	✓	131.72	✓	Directly entered	2050		2263	✓		Normal	
	3	(untitled)	Brad/M62W	✓	130.38	✓	Directly entered	2050		2050	✓		Normal	
Bcf	1	(untitled)		✓	67.86	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	68.39	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	67.34	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	67.30	✓	Directly entered	2263		2050			Normal	
Bf	1	(untitled)		✓	227.81	✓	Sum of lanes	1800		1600			Normal	
	2	(untitled)		✓	228.44	✓	Sum of lanes	1800		1700			Normal	
C	1	(untitled)	Dews/Brad	✓	121.13	✓	Directly entered	2100		2050	✓		Normal	
	2	(untitled)	M62W/Brad/Leeds	✓	122.36	✓	Directly entered	2200		2100	✓		Normal	
	3	(untitled)	Leeds/M62E	✓	124.35	✓	Directly entered	2050		1900	✓		Normal	
Cf	1	(untitled)		✓	144.60	✓	Sum of lanes	1965		1965			Normal	
	2	(untitled)		✓	145.86	✓	Sum of lanes	1965		1965			Normal	
	1	(untitled)	Brad/M62		55.00	✓	Directly entered	2050		2050	✓		Normal	

D	**2**	(untitled)	Leeds		55.00	✓	Directly entered	1850		2075	✓		Normal	
	3	(untitled)	Leeds/M62/Wake	✓	56.84	✓	Directly entered	2250		2250	✓		Normal	
	4	(untitled)	Leeds/M62/Wake	✓	60.54	✓	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	✓	180.56	✓	Directly entered	2263		2263	✓		Normal	

Fc	**2**	(untitled)	Leeds	✓	178.82	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	M62E/Dews	✓	177.67	✓	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)		✓	231.00	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	231.79	✓	Directly entered	2263		2263			Normal	
xB	**1**	(untitled)		✓	77.15								Normal	
xC	**1**	(untitled)		✓	115.60	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	115.98	✓	Sum of lanes	1900		1900			Normal	
xD	**1**	(untitled)		✓	121.71								Normal	
	2	(untitled)		✓	122.74								Normal	
xE	**1**	(untitled)		✓	173.89								Normal	
	2	(untitled)		✓	173.83								Normal	
xF	**1**	(untitled)		✓	162.53								Normal	
Cc1	**1**	(untitled)	Wake	✓	95.71	✓	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	✓	90.44	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	89.19	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	90.59	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	88.24	✓	Directly entered	2050		2050	✓		Normal	
	6	(untitled)	Leeds	✓	87.85	✓	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	
53	**1**				91.00	✓	Sum of lanes	1800			✓		Normal	
54	**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)											
Bcf	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
	3	**1**	(untitled)											
	4	**1**	(untitled)											

Bf	**1**	**1**	(untitled)												1800
	2	**1**	(untitled)												1800
C	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
	3	**3**	(untitled)												
Cf	**1**	**2**	(untitled)												1965
	2	**1**	(untitled)												1965
D	**1**	**1**	(untitled)												
	2	**2**	(untitled)												
	3	**3**	(untitled)												
	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
53	1	1	(untitled)											1800
54	1	1	(untitled)											1800

Modelling

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

B	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Bc	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Bcf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Bf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
C	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Cf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
D	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	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							
Fc	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Ff	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00	✓	0.00	0.00	✓	2	0.00	0.00

G	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
Gf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xA	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xB	1	NetworkDefault	100	100	100		0.00							
xC	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xD	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xE	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xF	1	NetworkDefault	100	100	100		0.00							
Cc1	1	CTM	100	100	100		0.00							
E1	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
Gf1	1	NetworkDefault	100	100	100		0.00							
Cc2	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
	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							
53	1	NetworkDefault	100	100	100		0.00							
54	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	✓	120

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	402	402
	2	160	160
	3	341	341
	4	510	510
Ac	1	1073	1073
	2	213	213
	3	381	381
Acf	1	1286	1286
	2	381	381
Af	1	562	562
	2	341	341
	3	510	510
B	1	395	395
	2	399	399
	3	527	527
	4	511	511
Bc	1	373	373
	2	508	508
	3	724	724
Bcf	1	1475	1475
	2	373	373
	3	508	508
	4	724	724
Bf	1	794	794
	2	1038	1038
C	1	477	477
	2	460	460
	3	553	553
Cf	1	477	477
	2	1013	1013
D	1	509	509
	2	591	591
	3	491	491
	4	594	594
Dc	1	892	892
	2	849	849
	3	739	739
	4	881	881
Dcf	1	953	953
	2	209	209
	3	892	892
	4	849	849
	5	739	739
	6	881	881
Df	1	1086	1086
	2	1085	1085

Dxp	**1**	953	953
	2	209	209
Ec	**1**	800	800
	2	1330	1330
	3	1337	1337
	4	593	593
Ecf	**1**	974	974
	2	1275	1275
	3	1330	1330
	4	1337	1337
	5	629	629
Ef	**1**	841	841
	2	471	471
Exp	**1**	974	974
	2	475	475
F	**1**	290	290
	2	290	290
	3	309	309
Fc	**1**	1548	1548
	2	1371	1371
	3	1131	1131
Ff	**1**	580	580
	2	309	309
G	**1**	259	259
	2	248	248
Gf	**1**	241	241
	2	230	230
xA	**1**	1688	1688
	2	1584	1584
xB	**1**	1475	1475
xC	**1**	464	464
	2	448	448
xD	**1**	953	953
	2	209	209
xE	**1**	974	974
	2	475	475
xF	**1**	851	851
Cc1	**1**	405	405
E1	**1**	303	303
	2	538	538
Gf1	**1**	36	36
Cc2	**2**	871	871
	3	389	389
	4	705	705
	5	556	556
	6	511	511
E2	**3**	241	241
	4	230	230
TC5	**2**	1117	1117
	3	1584	1584
	4	0	0
TC9	**1**	459	459
	2	333	333
	3	422	422
TC35	**1**	571	571
TC36	**1**	226	226
TC37	**1**	40	40
TC38	**1**	40	40

TC39	2	1117	1117
	3	1584	1584
TC40	2	1157	1157
	3	1584	1584
TC41	1	93	93
	2	93	93
TC42	1	0	0
TC43	1	0	0
47	1	912	912
48	1	1490	1490
49	1	471	471
	2	755	755
50	1	1832	1832
51	1	889	889
53	1	12	12
54	1	14	14

Signals

Arm	Traffic Stream	Controller stream	Phase	Second phase enabled
A	1	771-2	E	
	2	771-2	E	
	3	771-2	E	
	4	771-2	E	
Ac	1	771-2	D	
	2	771-2	D	
	3	771-2	D	
B	1	769-1	B	
	2	769-1	B	
	3	769-1	B	
	4	769-1	B	
Bc	1	769-1	A	
	2	769-1	A	
	3	769-1	A	
C	1	769-2	G	
	2	769-2	G	
	3	769-2	G	
D	1	770-1	B	
	2	770-1	B	
	3	770-1	B	
	4	770-1	B	
Dc	1	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
Df	1	11	B	
	2	11	B	
Dxp	1	770-2	D	
	2	770-2	D	
Ec	1	770-3	F	
	2	770-3	F	
	3	770-3	F	
	4	770-3	F	
Exp	1	770-4	L	
	2	770-4	L	
F	1	771-1	B	
	2	771-1	B	
	3	771-1	B	
	1	771-1	A	

Fc	**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	
53	**1**	TC777-1	J	
54	**1**	11	A	

Entry Sources

Arm	Traffic Stream	Cruise time for Normal Traffic (s)	Cruise speed for Normal Traffic (kph)
Df	**1**	24.00	30.00
	2	24.00	30.00
Ef	**1**	15.31	30.00
	2	15.31	30.00
TC36	**1**	3.03	30.00
TC42	**1**	2.80	30.00
48	**1**	6.61	30.00
49	**1**	3.15	30.00
	2	3.15	30.00
50	**1**	5.78	30.00
51	**1**	4.50	30.00
54	**1**	24.00	30.00

Sources

Arm	Traffic Stream	Source	Source traffic stream	Destination traffic stream	Cruise time for Normal Traffic (s)	Cruise speed for Normal Traffic (kph)	Auto turning radius	Traffic turn style	Turning radius (m)
A	**1**	**1**	Af/1	A/1	5.26	48.00	✓	Straight	Straight Movement
	2	**1**	Af/1	A/2	5.43	48.00	✓	Straight	Straight Movement
	3	**1**	Af/2	A/3	5.56	48.00	✓	Straight	Straight Movement
	4	**1**	Af/3	A/4	5.68	48.00	✓	Straight	Straight Movement
Ac	**1**	**1**	Acf/1	Ac/1	6.74	48.00	✓	Offside	48.59
	2	**1**	Acf/1	Ac/2	8.91	35.00	✓	Offside	46.08
	3	**1**	Acf/2	Ac/3	6.19	48.00	✓	Offside	42.76

Acf	**1**	**1**	F/2	Acf/1	5.35	48.00	✓	Straight	Straight Movement
	2	**1**	F/3	Acf/2	7.38	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	6.55	30.00	✓	Nearside	10.60
	3	**1**	TC42/1	Af/3	6.56	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	9.98	48.00	✓	Offside	37.77
	2	**1**	Bcf/3	Bc/2	9.88	48.00	✓	Offside	34.46
	3	**1**	Bcf/4	Bc/3	9.78	48.00	✓	Offside	31.14
Bcf	**1**	**1**	A/1	Bcf/1	5.09	48.00	✓	Nearside	74.24
	2	**1**	A/2	Bcf/2	7.24	34.00	✓	Nearside	77.56
	3	**1**	A/3	Bcf/3	7.13	34.00	✓	Nearside	80.87
	4	**1**	A/4	Bcf/4	7.13	34.00	✓	Nearside	84.19
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	4.26	48.00	✓	Straight	Straight Movement
	4	**1**	Df/2	D/4	4.54	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
	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

Ecf	**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	18.57	35.00	✓	Straight	Straight Movement
	2	**1**	Ec/3	Fc/2	18.39	35.00	✓	Straight	Straight Movement
	3	**1**	Ec/4	Fc/3	18.27	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	17.33	48.00	✓	Straight	Straight Movement
	2	**1**	Fc/2	xA/2	17.38	48.00	✓	Straight	Straight Movement
xB	**1**	**1**	Bcf/1	xB/1	5.79	48.00	✓	Nearside	59.55
xC	**1**	**1**	G/1	xC/1	8.67	48.00	✓	Straight	Straight Movement
	2	**1**	G/2	xC/2	8.70	48.00	✓	Straight	Straight Movement
xD	**1**	**1**	Dxp/1	xD/1	9.13	48.00	✓	Nearside	30.26
	2	**1**	Dxp/2	xD/2	9.21	48.00	✓	Nearside	33.58
xE	**1**	**1**	Exp/1	xE/1	13.04	48.00	✓	Straight	Straight Movement
	2	**1**	Exp/2	xE/2	13.04	48.00	✓	Straight	Straight Movement
xF	**1**	**1**	Ec/1	xF/1	12.19	48.00	✓	Straight	Straight Movement
Cc1	**1**	**1**	B/1	Cc1/1	8.61	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	8.14	40.00	✓	Straight	Straight Movement
	3	**1**	B/3	Cc2/3	8.03	40.00	✓	Straight	Straight Movement
	4	**1**	B/2	Cc2/4	8.15	40.00	✓	Straight	Straight Movement
	5	**1**	B/3	Cc2/5	7.94	40.00	✓	Straight	Straight Movement
	6	**1**	B/4	Cc2/6	7.91	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
53	1	1	49/1	53/1	10.92	30.00	✓	Straight	Straight Movement
Acf	1	2	Fc/3	Acf/1	5.35	48.00	✓	Straight	Straight Movement
	2	2	Fc/3	Acf/2	7.38	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	6.55	30.00	✓	Straight	Straight Movement
	3	2	TC9/3	Af/3	6.56	30.00	✓	Straight	Straight Movement
Bcf	1	2	Ac/1	Bcf/1	4.29	57.00	✓	Offside	91.31
	2	2	Ac/2	Bcf/2	4.32	57.00	✓	Offside	88.00
	3	2	Ac/3	Bcf/3	4.25	57.00	✓	Offside	84.69
	4	2	Ac/3	Bcf/4	4.25	57.00	✓	Offside	84.69
D	1	2	54/1	D/1	4.13	48.00	✓	Straight	Straight Movement
	2	2	54/1	D/2	4.13	48.00	✓	Straight	Straight Movement
	3	2	54/1	D/3	4.26	48.00	✓	Straight	Straight Movement
	4	2	54/1	D/4	4.54	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	20.31	32.00	✓	Nearside	58.94
	2	2	E1/1	Fc/2	20.12	32.00	✓	Nearside	60.85
	3	2	E1/2	Fc/3	19.99	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	17.33	48.00	✓	Straight	Straight Movement
	2	2	Fc/1	xA/2	17.38	48.00	✓	Straight	Straight Movement
xC	1	2	Cc1/1	xC/1	8.67	48.00	✓	Nearside	56.51
	2	2	Cc1/1	xC/2	8.70	48.00	✓	Nearside	57.28
xF	1	2	E1/1	xF/1	12.19	48.00	✓	Nearside	40.67
Cc1	1	2	Bc/1	Cc1/1	6.38	54.00	✓	Straight	Straight Movement
Cc2	2	2	Bc/1	Cc2/2	10.85	30.00	✓	Straight	Straight Movement
	3	2	Bc/3	Cc2/3	10.70	30.00	✓	Offside	96.59
	4	2	Bc/3	Cc2/4	10.87	30.00	✓	Offside	98.73
	5	2	Bc/3	Cc2/5	10.59	30.00	✓	Offside	93.28
	6	2	Bc/3	Cc2/6	10.54	30.00	✓	Offside	89.96
TC39	2	2	TC42/1	TC39/2	2.54	50.00	✓	Offside	9.44
	3	2	TC42/1	TC39/3	2.40	50.00	✓	Offside	9.44
TC40	2	2	TC39/2	TC40/2	4.23	50.00	✓	Offside	80.74
TC43	1	2	TC5/4	TC43/1	3.74	50.00	✓	Offside	21.45
47	1	2	xC/2	47/1	16.04	30.00	✓	Straight	Straight Movement
Acf	1	3	Fc/2	Acf/1	5.35	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	6.55	30.00	✓	Offside	6.00
	3	3	TC41/2	Af/3	6.56	30.00	✓	Offside	6.00
Bcf	2	3	Ac/3	Bcf/2	4.32	57.00	✓	Offside	84.69
xA	2	3	F/2	xA/2	17.38	48.00	✓	Straight	Straight Movement
Cc2	2	3	Bc/2	Cc2/2	10.85	30.00	✓	Straight	Straight Movement
Af	1	4	53/1	Af/1	6.58	30.00	✓	Straight	Straight Movement
	2	4	53/1	Af/2	6.55	30.00	✓	Straight	Straight Movement
	3	4	53/1	Af/3	6.56	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)		771-2		Farside	3.00	2.00	5.40
19	(untitled)		771-2		Farside	3.00	2.00	5.40
20	(untitled)		771-1		Farside	3.00	2.00	5.40

Pedestrian Crossings - Signals

Crossing	Controller stream	Phase	Second phase enabled
1	770-2	E	
2	770-1	C	
3	770-4	M	
4	770-3	J	
5	770-3	I	
6	770-3	K	
7	771-1	C	
8	769-1	C	
9	769-2	J	
10	769-2	K	
11	769-2	H	
12	769-2	I	
13	TC777-1	I	
14	TC777-1	F	
15	TC777-1	G	
16	TC777-1	H	
17	TC777-2	K	
18	771-2	F	
19	771-2	A	
20	771-1	D	

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	0	47	373	2	443	165	802	0
	B28	35	0	91	266	580	49	469	0
	C28	561	36	0	346	163	59	1020	0
	D28	3	209	262	0	47	148	220	0
	E28	474	471	76	51	0	50	190	0
	F28	72	16	20	68	10	0	40	0
	G28	330	133	339	118	206	100	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, 54/1	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	I1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	
	36		C28	E28	Df/1, D/1, Ecf/2, Exp/2, xE/2	Normal	
	41		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	
	49	I1	C28	D28	Df/1, D/1, Ecf/2, Ec/1, xF/1	Normal	
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	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, 53/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Fixed	
	84		G28	B28	49/1, 53/1, 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	Normal	
102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
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		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	
112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	
113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	
114		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	
116		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	
117		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	
120		G28	G28	49/1, 53/1, 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	
121		G28	F28	49/1, 53/1, 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	
122		G28	G28	49/1, 53/1, 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	
125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	
128		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	
129		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	
132		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	
133		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	
137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	
138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	
140		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
141		G28	C28	49/1, 53/1, Af/1, A/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		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	
145		C28	C28	54/1, 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	
146		B28	E28	48/1, Cf/1, C/1, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
147		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	
148		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	
149		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, xB/1	Normal	
150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	
151		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	
152		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	
153		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
154		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	
155		C28	B28	54/1, D/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Fixed	
156		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
157		C28	G28	54/1, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
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, 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	
163		C28	G28	54/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
164		C28	H28	54/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	
168		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal	
169		C28	E28	54/1, D/1, Ecf/1, Exp/1, xE/1	Fixed	
170		C28	D28	54/1, D/1, Ecf/2, Ec/1, xF/1	Fixed	
171		G28	H28	49/1, TC9/1, TC43/1	Normal	
182		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	
183		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	
185		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	

1	186		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	
	192		B28	D28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	193		B28	E28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	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	
	198		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	
	234	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	235		E28	G28	Ef/1, E1/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Disabled	
	236		E28	H28	Ef/1, E1/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	255	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	
	291		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/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	
	303		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	Fixed	
	304		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	
	305		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	
	306		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	
	307		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	
	308		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	
	318		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	
	319		B28	F28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	341		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, xB/1	Normal	
	353		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	Fixed	
	354		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	
	355		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	Disabled	
	356		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	
	396		G28	A28	49/1, 53/1, Af/1, A/1, Bcf/1, xB/1	Fixed	
	410		C28	A28	54/1, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Disabled	
	413		C28	B28	54/1, D/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Disabled	
	414		C28	H28	54/1, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	415		C28	A28	54/1, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	
	417		C28	G28	54/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Fixed	
	418		C28	F28	54/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Fixed	
	422		C28	E28	54/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	
	423		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
	424		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	
	429		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	
	430		G28	G28	49/1, 53/1, 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	
	431		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	
	434		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	
	439		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	
	440		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	
	441		C28	C28	54/1, 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	
	442		C28	C28	54/1, 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	
	443		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	
	444		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	
	445		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	
	446		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	457		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	462		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	463		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	
	464		G28	D28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	
	465		G28	E28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Disabled	
	466		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	467		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	468		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	

	469		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, xF/1	Normal	
	470		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	
	471		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	
	472		G28	C28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	473		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	
	474		G28	C28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
	475		G28	E28	49/1, 53/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	
	476		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	
	477		C28	C28	54/1, 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	
	478		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	
	479		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	
	480		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	481		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	
	482		H28	C28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	483		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	
	484		F28	C28	TC36/1, TC41/2, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	485		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	486		G28	C28	49/1, 53/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Disabled	
	487		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	
	488		C28	C28	54/1, 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	
	489		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	
	490		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	
	491		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	492		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: 120s cycle time; 120 steps

Controller Stream 11

Controller Stream	Name	Description	Use sequence	Cycle time source	Cycle time (s)
11	(untitled)		1	NetworkDefault	120

Controller Stream 11 - Properties

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

Controller Stream 11 - Optimisation

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

Phases

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

Library Stages

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
11	**1**	(untitled)	Single	1, 2	99, 87

Intergreen Matrix for Controller Stream 11

		To	
		A	B
From	A		5
	B	5	

Banned Stage transitions for Controller Stream 11

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 11

		To	
		1	2
From	1	0	5
	2	5	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
11	1	✓	1	A	92	99	7	1	7
	2	✓	2	B	104	87	103	1	7

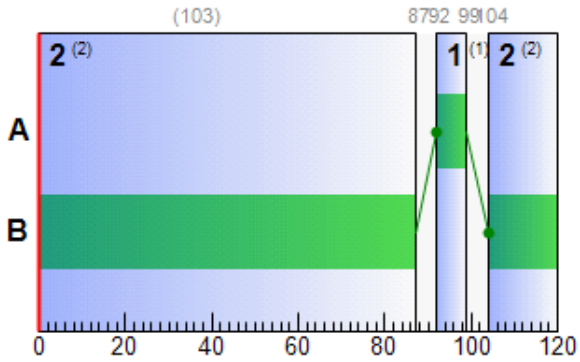
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
11	A	1	✓	92	99	7
	B	1	✓	104	87	103

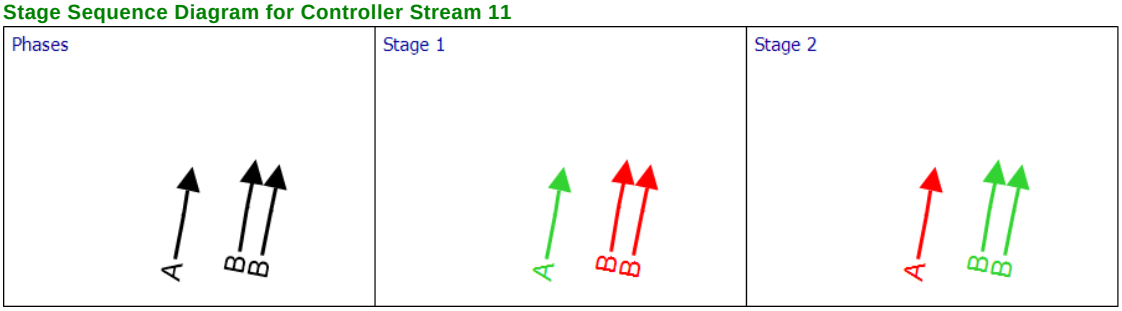
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
Df	1	3-2	11	B	104	87	103			
Df	2	3-2	11	B	104	87	103			
54	1	3-2	11	A	92	99	7			

Phase Timings Diagram for Controller Stream 11



Stage Sequence Diagram for Controller Stream 11



Controller Stream 769-1

Controller Stream	Name	Description	Use sequence	Cycle time source	Cycle time (s)
769-1	(untitled)		1	NetworkDefault	120

Controller Stream 769-1 - Properties

Controller Stream	Manufacturer name	Type	Model number	(Telephone) Line Number	Site number	Grid reference	Gaining delay type
769-1	Unspecified						Absolute

Controller Stream 769-1 - Optimisation

Controller Stream	Allow offset optimisation	Allow green split optimisation	Optimisation level	Auto redistribute	Enable stage constraint
769-1			None		

Phases

Controller Stream	Phase	Name	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type	Blackout Time (s)
769-1	**A**	(untitled)	7	300	0	0	Traffic	
	B	(untitled)	7	300	0	0	Traffic	
	C	(untitled)	7	300	0	0	Pedestrian	3

Library Stages

Controller Stream	Library Stage	Phases in stage	User stage minimum (s)
769-1	**1**	A	1
	2	B	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
769-1	**1**	(untitled)	Double	✓	1, 2	5, 31	1, 2	65, 91

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	7
	2	5	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
769-1	1	✓	1	A	96	5	29	1	7
	2	✓	2	B	12	31	19	1	7
	3		1	A	36	65	29	1	7
	4		2	B	72	91	19	1	7

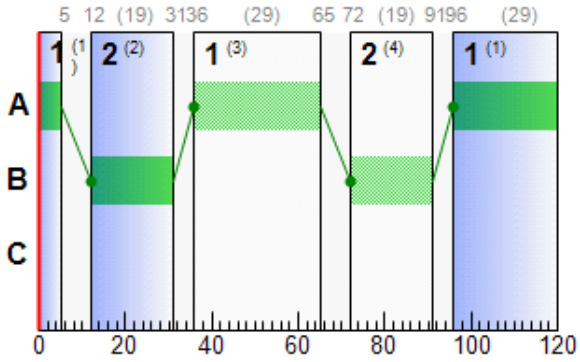
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
769-1	A	1		36	65	29
		2	✓	96	5	29
	B	1	✓	12	31	19
		2		72	91	19

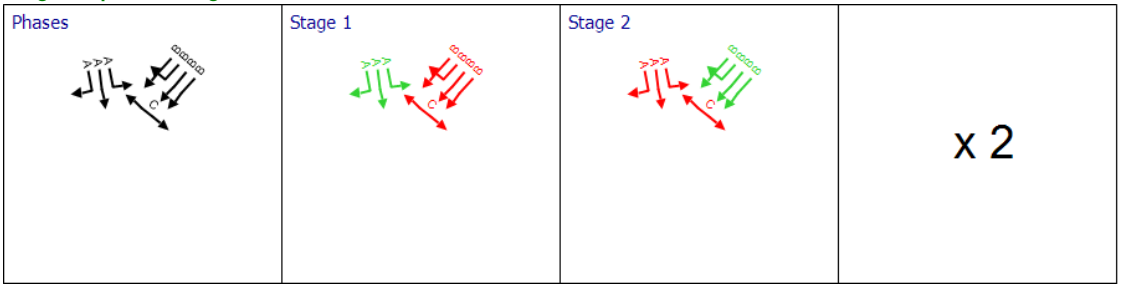
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
B	1	1	769-1	B	12	31	19	72	91	19
B	2	1	769-1	B	12	31	19	72	91	19
B	3	1	769-1	B	12	31	19	72	91	19
B	4	1	769-1	B	12	31	19	72	91	19
Bc	1	1	769-1	A	36	65	29	96	5	29
Bc	2	1	769-1	A	36	65	29	96	5	29
Bc	3	1	769-1	A	36	65	29	96	5	29

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	120

Controller Stream 769-2 - Properties

Controller Stream	Manufacturer name	Type	Model number	(Telephone) Line Number	Site number	Grid reference	Gaining delay type
769-2	Unspecified						Absolute

Controller Stream 769-2 - Optimisation

Controller Stream	Allow offset optimisation	Allow green split optimisation	Optimisation level	Auto redistribute	Enable stage constraint
769-2			None		

Phases

Controller Stream	Phase	Name	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type	Blackout Time (s)
769-2	D	(untitled)	7	300	0	0	Traffic	
	E	(untitled)	7	300	0	0	Traffic	
	F	(untitled)	4	300	0	0	Traffic	
	G	(untitled)	4	300	0	0	Traffic	
	H	(untitled)	5	300	0	0	Pedestrian	3
	I	(untitled)	7	300	0	0	Pedestrian	3
	J	(untitled)	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	4	
	4	Losing	E	4	5	5	
	5	Losing	F	5	4	5	
	6	Losing	G	5	4	7	
	7	Losing	K	5	4	7	
	8	Losing	G	6	4	7	
	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	5	
	14	Losing	K	6	4	7	
	15	Gaining	D	6	4	0	11

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)	Double	✓	4, 5	4, 25	4, 5	64, 85
	2	(untitled)	Double	✓	4, 6, 5	0, 16, 32	4, 6, 5	33, 34, 35
	3	(untitled)	Double	✓	4, 5, 6	0, 26, 34	4, 5, 6	60, 88, 95
	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							
	K		7						

Banned Stage transitions for Controller Stream 769-2

		To		
		4	5	6
From	4			
	5			
	6			

Interstage Matrix for Controller Stream 769-2

		To		
		4	5	6
From	4	0	11	13
	5	14	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	99	4	25	1	3
	2	✓	5	F,G,J,K	15	25	10	1	10
	3		4	D,E,H,I	39	64	25	1	3
	4		5	F,G,J,K	75	85	10	1	10

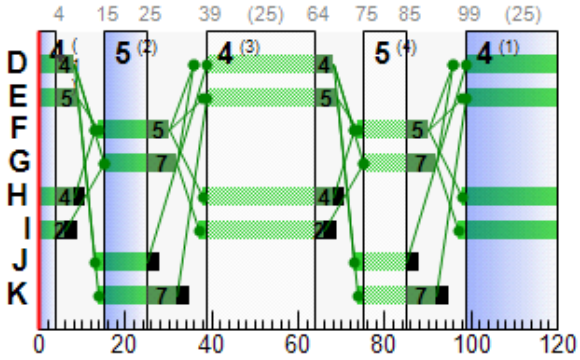
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
769-2	D	1		39	68	29
		2	✓	99	8	29
	E	1		39	69	30
		2	✓	99	9	30
	F	1	✓	14	30	16
		2		74	90	16
	G	1	✓	15	32	17
		2		75	92	17
	H	1		38	68	30
		2	✓	98	8	30
	I	1		37	66	29
		2	✓	97	6	29
	J	1	✓	13	25	12
		2		73	85	12
	K	1	✓	14	32	18
		2		74	92	18

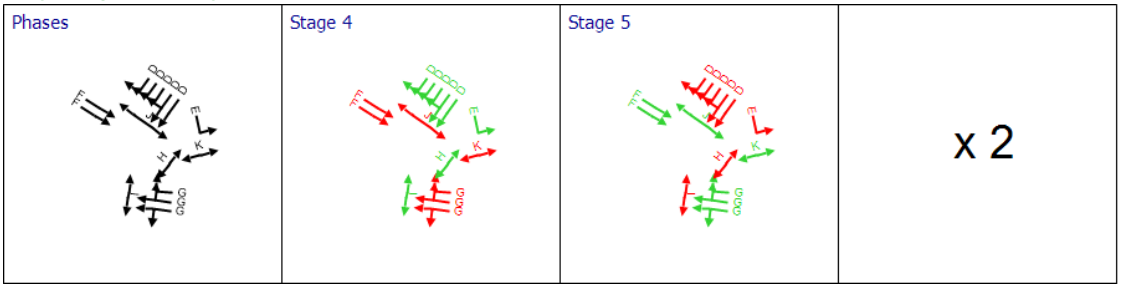
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
C	1	2	769-2	G	15	32	17	75	92	17
C	2	2	769-2	G	15	32	17	75	92	17
C	3	2	769-2	G	15	32	17	75	92	17
G	1	2	769-2	F	14	30	16	74	90	16
G	2	2	769-2	F	14	30	16	74	90	16
Cc1	1	2	769-2	E	39	69	30	99	9	30
Cc2	2	2	769-2	D	39	68	29	99	8	29
Cc2	3	2	769-2	D	39	68	29	99	8	29
Cc2	4	2	769-2	D	39	68	29	99	8	29
Cc2	5	2	769-2	D	39	68	29	99	8	29
Cc2	6	2	769-2	D	39	68	29	99	8	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	120

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	Equal length multiple cycling	Stage IDs	Stage ends	Multiple cycling stage IDs	Multiple cycling stage ends
770-1	1	(untitled)	Double	✓	1, 2	9, 35	1, 2	69, 95

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	100	9	29	1	7
	2	✓	2	B	18	35	17	1	7
	3		1	A,C	40	69	29	1	7
	4		2	B	78	95	17	1	7

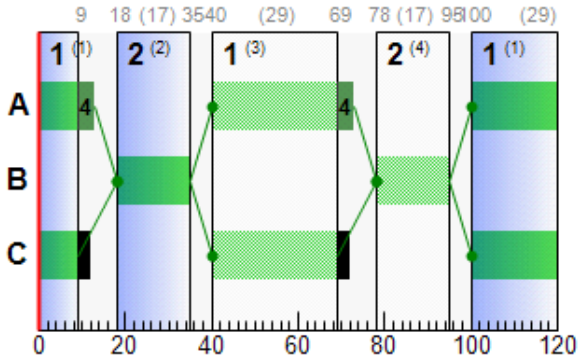
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
770-1	A	1		40	73	33
		2	✓	100	13	33
	B	1	✓	18	35	17
		2		78	95	17
	C	1		40	69	29
		2	✓	100	9	29

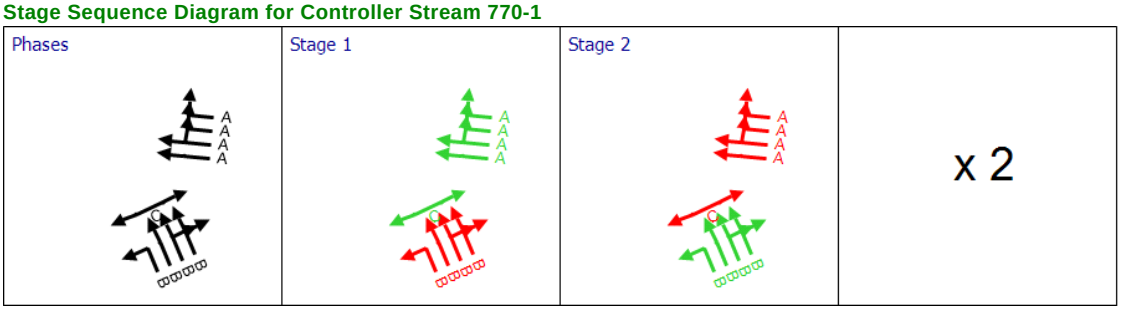
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
D	1	3	770-1	B	18	35	17	78	95	17
D	2	3	770-1	B	18	35	17	78	95	17
D	3	3	770-1	B	18	35	17	78	95	17
D	4	3	770-1	B	18	35	17	78	95	17
Dc	1	3	770-1	A	40	73	33	100	13	33
Dc	2	3	770-1	A	40	73	33	100	13	33
Dc	3	3	770-1	A	40	73	33	100	13	33
Dc	4	3	770-1	A	40	73	33	100	13	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	120

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	17, 29

Intergreen Matrix for Controller Stream 770-2

		To	
		D	E
From	D		5
	E	7	

Banned Stage transitions for Controller Stream 770-2

		To	
		4	5
From	4		
	5		

Interstage Matrix for Controller Stream 770-2

		To	
		4	5
From	4	0	5
	5	7	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
770-2	1	✓	4	D	36	17	101	1	7
	2	✓	5	E	22	29	7	1	5

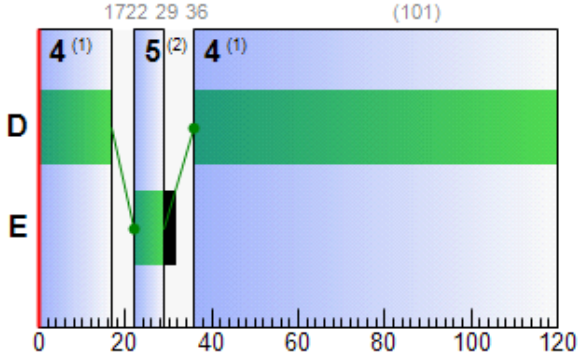
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
770-2	D	1	✓	36	17	101
	E	1	✓	22	29	7

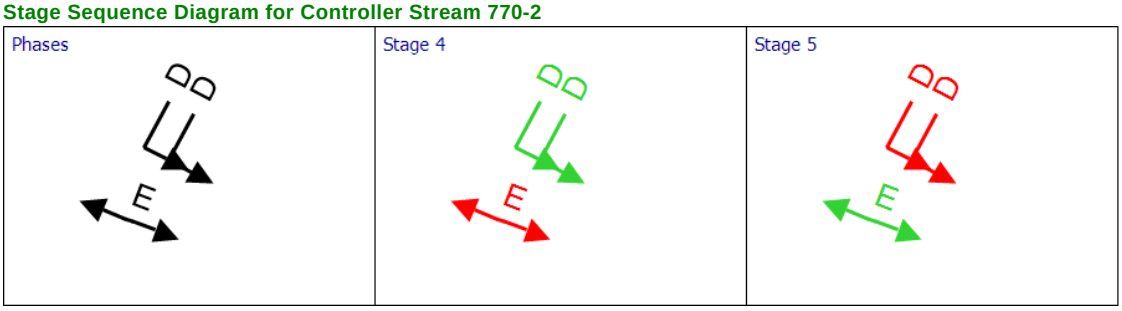
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
Dxp	1	3-2	770-2	D	36	17	101			
Dxp	2	3-2	770-2	D	36	17	101			

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	120

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	Equal length multiple cycling	Stage IDs	Stage ends	Multiple cycling stage IDs	Multiple cycling stage ends
770-3	1	(untitled)	Double	✓	7, 9	10, 28	7, 9	70, 88

Intergreen Matrix for Controller Stream 770-3

		To					
		F	G	H	I	J	K
From	F		7	5			6
	G	4			5		
	H	6				5	
	I		7				
	J			7			
	K	11					

Banned Stage transitions for Controller Stream 770-3

		To		
		7	8	9
From	7			
	8			
	9			

Interstage Matrix for Controller Stream 770-3

		To		
		7	8	9
From	7	0	9	11
	8	12	0	0
	9	12	0	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
770-3	1	✓	7	F,I,J	100	10	30	1	2
	2	✓	9	G,H	21	28	7	1	1
	3		7	F,I,J	40	70	30	1	2
	4		9	G,H	81	88	7	1	1

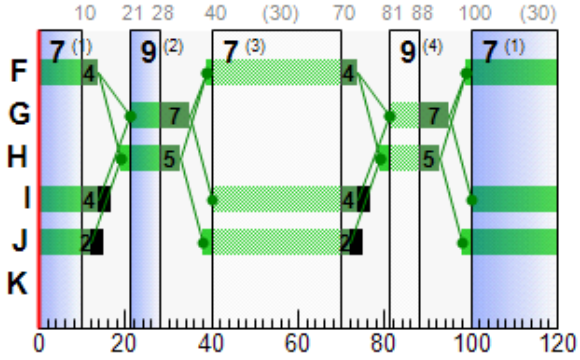
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
770-3	F	1		39	74	35
		2	✓	99	14	35
	G	1	✓	21	35	14
		2		81	95	14
	H	1	✓	19	33	14
		2		79	93	14
	I	1		40	74	34
		2	✓	100	14	34
	J	1		38	72	34
		2	✓	98	12	34

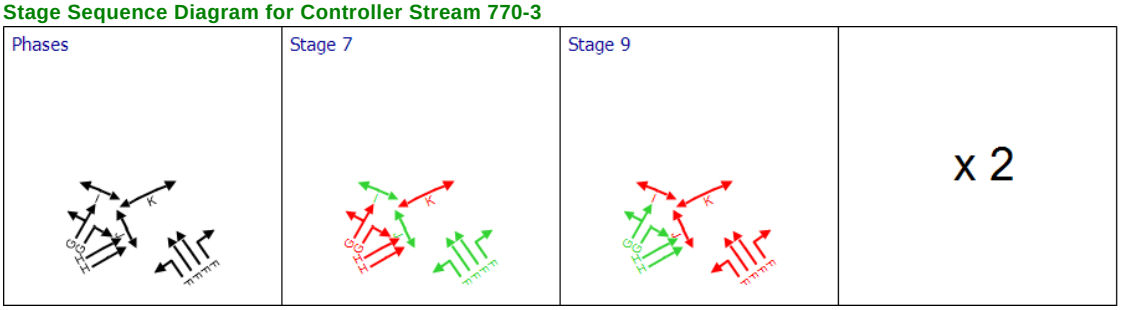
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
Ec	1	4	770-3	F	39	74	35	99	14	35
Ec	2	4	770-3	F	39	74	35	99	14	35
Ec	3	4	770-3	F	39	74	35	99	14	35
Ec	4	4	770-3	F	39	74	35	99	14	35
E1	1	4	770-3	G	21	35	14	81	95	14
E1	2	4	770-3	G	21	35	14	81	95	14
E2	3	4	770-3	H	19	33	14	79	93	14
E2	4	4	770-3	H	19	33	14	79	93	14

Phase Timings Diagram for Controller Stream 770-3



Stage Sequence Diagram for Controller Stream 770-3



Controller Stream 770-4

Controller Stream	Name	Description	Use sequence	Cycle time source	Cycle time (s)
770-4	(untitled)		1	NetworkDefault	120

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	19, 32

Intergreen Matrix for Controller Stream 770-4

		To	
		L	M
From	L		5
	M	7	

Banned Stage transitions for Controller Stream 770-4

		To	
		11	12
From	11		
	12		

Interstage Matrix for Controller Stream 770-4

		To	
		11	12
From	11	0	5
	12	7	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
770-4	1	✓	11	L	39	19	100	1	7
	2	✓	12	M	24	32	8	1	6

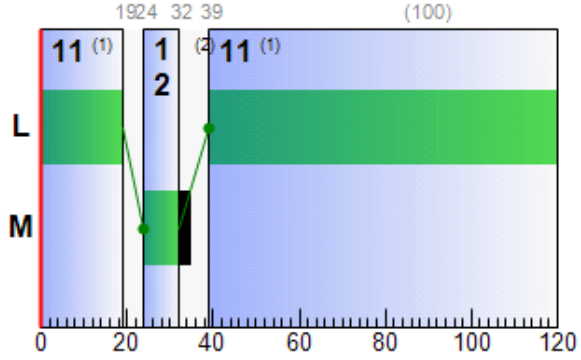
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
770-4	L	1	✓	39	19	100
	M	1	✓	24	32	8

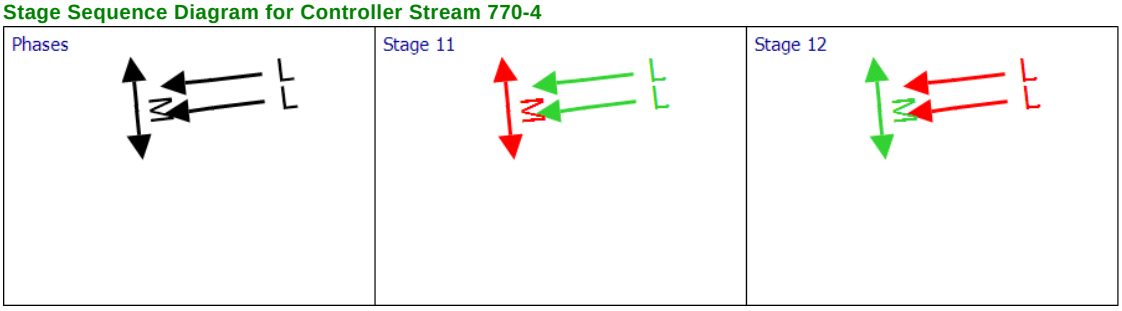
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
Exp	1	4-2	770-4	L	39	19	100			
Exp	2	4-2	770-4	L	39	19	100			

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	120

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
	D	(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, D	1
	4	B	1

Losing / Gaining Phase Delays

Controller Stream	Delay	Type	Phase	From stage	To stage	Relative delay
771-1	1	Losing	A	1	3	5
	2	Losing	B	3	2	5

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
771-1	1	(untitled)	Single	1, 3, 2, 4	21, 40, 86, 100

Intergreen Matrix for Controller Stream 771-1

		To			
		A	B	C	D
From	A		6		5
	B	6		5	
	C		11		
	D	11			

Banned Stage transitions for Controller Stream 771-1

		To			
		1	2	3	4
From	1				
	2				
	3				
	4				

Interstage Matrix for Controller Stream 771-1

		To			
		1	2	3	4
From	1	0	0	11	11
	2	0	0	6	6
	3	11	11	0	0
	4	6	6	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)
771-1	1	✓	1	A,C	106	21	35	1	8
	2	✓	3	B,D	32	40	8	1	8
	3	✓	2	A	51	86	35	1	7
	4	✓	4	B	92	100	8	1	7

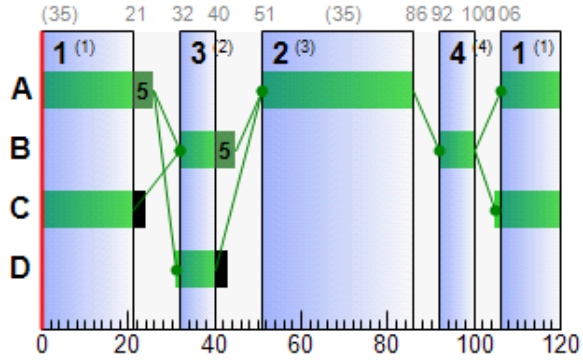
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
771-1	A	1	✓	51	86	35
		2	✓	106	26	40
	B	1	✓	32	45	13
		2	✓	92	100	8
	C	1	✓	105	21	36
	D	1	✓	31	40	9

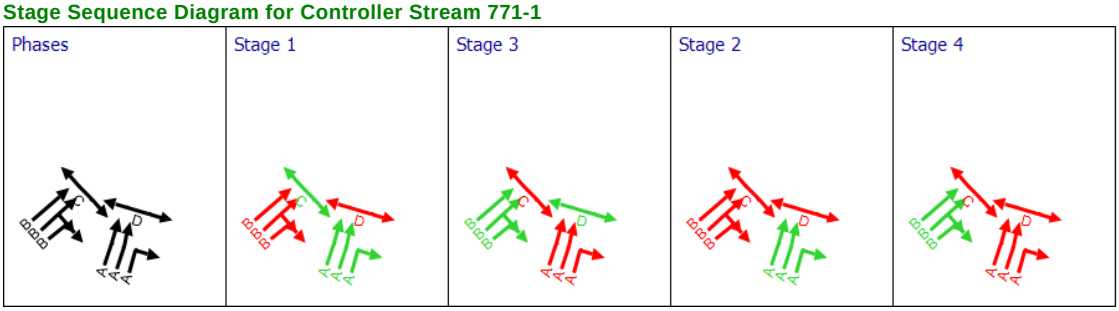
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
F	1	5	771-1	B	32	45	13	92	100	8
F	2	5	771-1	B	32	45	13	92	100	8
F	3	5	771-1	B	32	45	13	92	100	8
Fc	1	5	771-1	A	51	86	35	106	26	40
Fc	2	5	771-1	A	51	86	35	106	26	40
Fc	3	5	771-1	A	51	86	35	106	26	40

Phase Timings Diagram for Controller Stream 771-1



Stage Sequence Diagram for Controller Stream 771-1



Controller Stream 771-2

Controller Stream	Name	Description	Use sequence	Cycle time source	Cycle time (s)
771-2	(untitled)		1	NetworkDefault	120

Controller Stream 771-2 - Properties

Controller Stream	Manufacturer name	Type	Model number	(Telephone) Line Number	Site number	Grid reference	Gaining delay type
771-2	Unspecified						Absolute

Controller Stream 771-2 - Optimisation

Controller Stream	Allow offset optimisation	Allow green split optimisation	Optimisation level	Auto redistribute	Enable stage constraint
771-2			None		

Phases

Controller Stream	Phase	Name	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type	Blackout Time (s)
771-2	A	(untitled)	7	300	0	0	Pedestrian	3
	D	(untitled)	7	300	0	0	Traffic	
	E	(untitled)	7	300	0	0	Traffic	
	F	(untitled)	7	300	0	0	Pedestrian	3

Library Stages

Controller Stream	Library Stage	Phases in stage	User stage minimum (s)
771-2	3	D	1
	4	E	1
	5	D, F	1
	6	E, A	1

Losing / Gaining Phase Delays

Controller Stream	Delay	Type	Phase	From stage	To stage	Relative delay
771-2	1	Losing	E	6	3	6
	2	Losing	D	5	6	10

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
771-2	1	(untitled)	Single	3, 4, 5, 6	24, 54, 67, 90

Intergreen Matrix for Controller Stream 771-2

		To			
		A	D	E	F
From	A		12		
	D	5		5	
	E		5		5
	F			16	

Banned Stage transitions for Controller Stream 771-2

		To			
		3	4	5	6
From	3				
	4				
	5				
	6				

Interstage Matrix for Controller Stream 771-2

		To			
		3	4	5	6
From	3	0	5	0	5
	4	5	0	5	0
	5	0	16	0	16
	6	12	0	12	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	✓	3	D	102	24	42	1	7
	2	✓	4	E	29	54	25	1	7
	3	✓	5	D,F	59	67	8	1	7
	4	✓	6	E,A	83	90	7	1	6

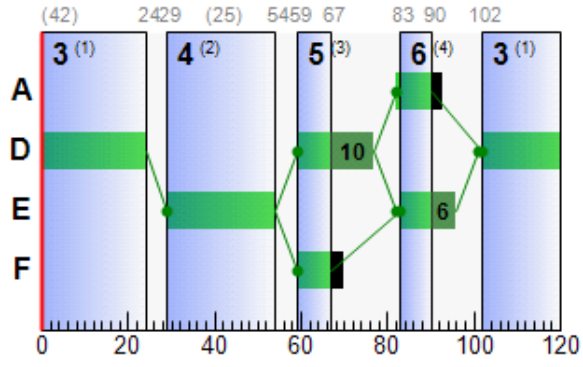
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
771-2	A	1	✓	82	90	8
	D	1	✓	59	77	18
		2	✓	102	24	42
	E	1	✓	29	54	25
		2	✓	83	96	13
	F	1	✓	59	67	8

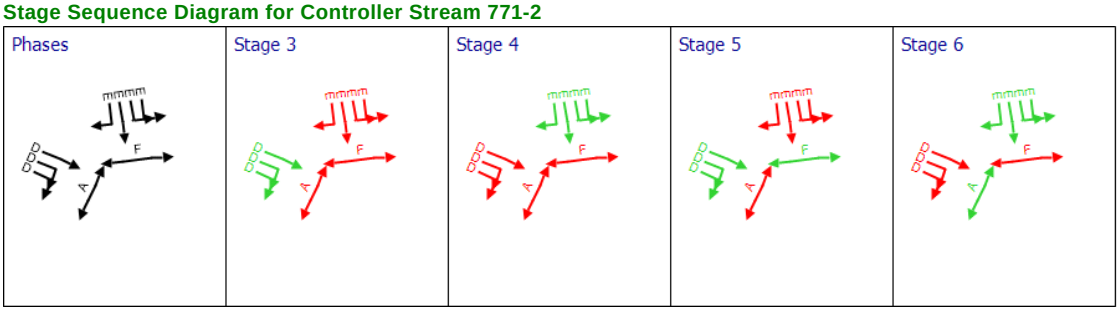
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
A	1	6	771-2	E	29	54	25	83	96	13
A	2	6	771-2	E	29	54	25	83	96	13
A	3	6	771-2	E	29	54	25	83	96	13
A	4	6	771-2	E	29	54	25	83	96	13
Ac	1	6	771-2	D	59	77	18	102	24	42
Ac	2	6	771-2	D	59	77	18	102	24	42
Ac	3	6	771-2	D	59	77	18	102	24	42

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	120

Controller Stream TC777-1 - Properties

Controller Stream	Manufacturer name	Type	Model number	(Telephone) Line Number	Site number	Grid reference	Gaining delay type
TC777-1	Unspecified						Absolute

Controller Stream TC777-1 - Optimisation

Controller Stream	Allow offset optimisation	Allow green split optimisation	Optimisation level	Auto redistribute	Enable stage constraint
TC777-1			None		

Phases

Controller Stream	Phase	Name	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type	Blackout Time (s)
TC777-1	A	Dewsbury Rd NB	7	300	0	1	Traffic	
	B	Dewsbury Rd SB	7	300	0	2	Traffic	
	C	Dewsbury Rd NB RT	7	300	0	0	Traffic	
	D	Topcliffe Ln RT	7	300	0	0	Traffic	
	E	Side Road	7	300	0	0	Traffic	
	F	Ped Xing at D	5	300	0	0	Pedestrian	3
	G	Ped Xing at B	7	300	0	0	Pedestrian	3
	H	Ped Xing at A AH	6	300	0	0	Pedestrian	3
	I	Ped Xing at A LT	5	300	0	0	Pedestrian	3
	J	(untitled)	7	300	0	0	Traffic	

Library Stages

Controller Stream	Library Stage	Phases in stage	User stage minimum (s)
TC777-1	1	A, B, F	1
	2	A, C, F, G	1
	3	B, F, H, I	1
	4	D, E	1
	5	D, H, I	1
	6	E, F, I	1
	7	A, F, J	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
TC777-1	1	(untitled)	Single	1, 2, 5, 7	113, 9, 25, 37

Intergreen Matrix for Controller Stream TC777-1

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

Banned Stage transitions for Controller Stream TC777-1

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

Interstage Matrix for Controller Stream TC777-1

		To						
		1	2	3	4	5	6	7
From	1	0	5	7	8	8	5	5
	2	16	0	16	8	8	5	16
	3	6	6	0	8	8	6	6
	4	5	6	8	0	8	5	5
	5	6	6	5	6	0	6	6
	6	5	5	8	8	8	0	5
	7	5	5	7	8	8	5	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
TC777-1	1	✓	1	A,B,F	42	113	71	1	7
	2	✓	2	A,C,F,G	118	9	11	1	7
	3	✓	5	D,H,I	17	25	8	1	7
	4	✓	7	A,F,J	31	37	6	1	6

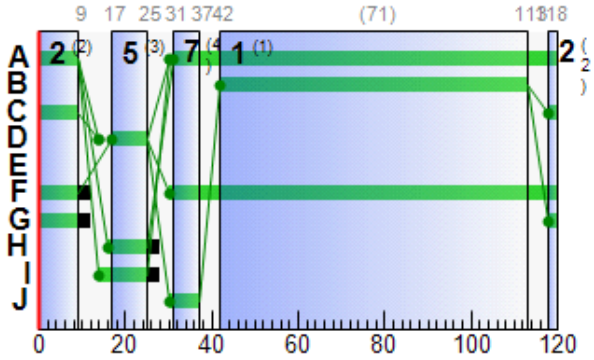
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
TC777-1	A	1	✓	31	9	98
	B	1	✓	42	113	71
	C	1	✓	118	9	11
	D	1	✓	17	25	8
	F	1	✓	30	9	99
	G	1	✓	118	9	11
	H	1	✓	16	25	9
	I	1	✓	14	25	11
	J	1	✓	30	37	7

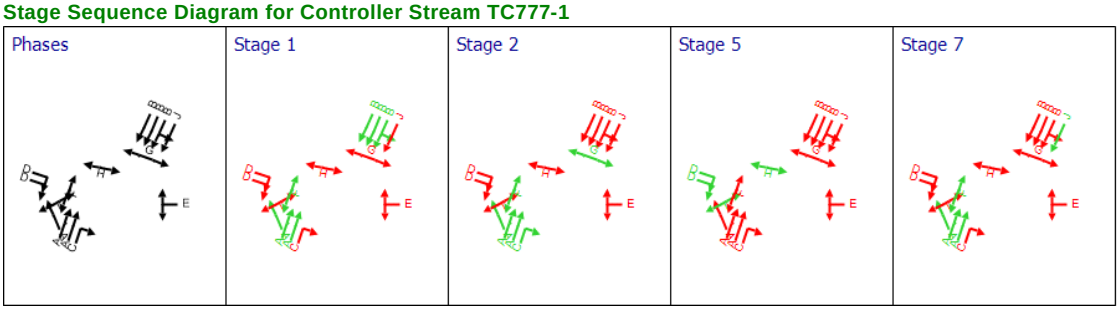
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
TC5	2	TC771-6	TC777-1	A	31	9	98			
TC5	3	TC771-6	TC777-1	A	31	9	98			
TC5	4	TC771-6	TC777-1	C	118	9	11			
TC9	1	TC771-6	TC777-1	B	42	113	71			
TC9	2	TC771-6	TC777-1	B	42	113	71			
TC9	3	TC771-6	TC777-1	B	42	113	71			
TC35	1	TC771-6	TC777-1	A	31	9	98			
TC41	1	TC771-6	TC777-1	D	17	25	8			
TC41	2	TC771-6	TC777-1	D	17	25	8			
TC42	1	TC771-6	TC777-1	E						
53	1	TC771-6	TC777-1	J	30	37	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	120

Controller Stream TC777-2 - Properties

Controller Stream	Manufacturer name	Type	Model number	(Telephone) Line Number	Site number	Grid reference	Gaining delay type
TC777-2	Unspecified						Absolute

Controller Stream TC777-2 - Optimisation

Controller Stream	Allow offset optimisation	Allow green split optimisation	Optimisation level	Auto redistribute	Enable stage constraint
TC777-2			None		

Phases

Controller Stream	Phase	Name	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type	Blackout Time (s)
TC777-2	J	Topcliffe Ln LT	7	300	0	0	Traffic	
	K	Ped Xing at J	5	300	0	0	Pedestrian	3

Library Stages

Controller Stream	Library Stage	Phases in stage	User stage minimum (s)
TC777-2	1	J	1
	2	K	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
TC777-2	1	(untitled)	Single	1, 2	30, 40

Intergreen Matrix for Controller Stream TC777-2

		To	
		J	K
From	J		5
	K	5	

Banned Stage transitions for Controller Stream TC777-2

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream TC777-2

		To	
		1	2
From	1	0	5
	2	5	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
TC777-2	1	✓	1	J	45	30	105	1	7
	2	✓	2	K	35	40	5	1	5

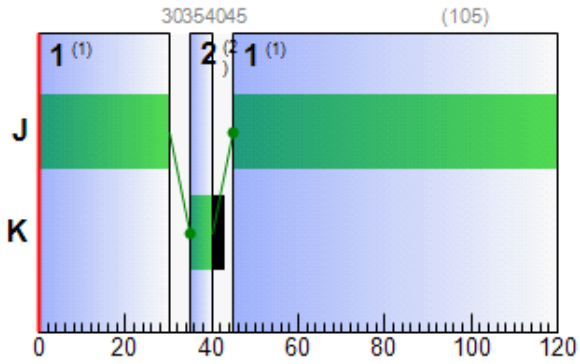
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
TC777-2	J	1	✓	45	30	105
	K	1	✓	35	40	5

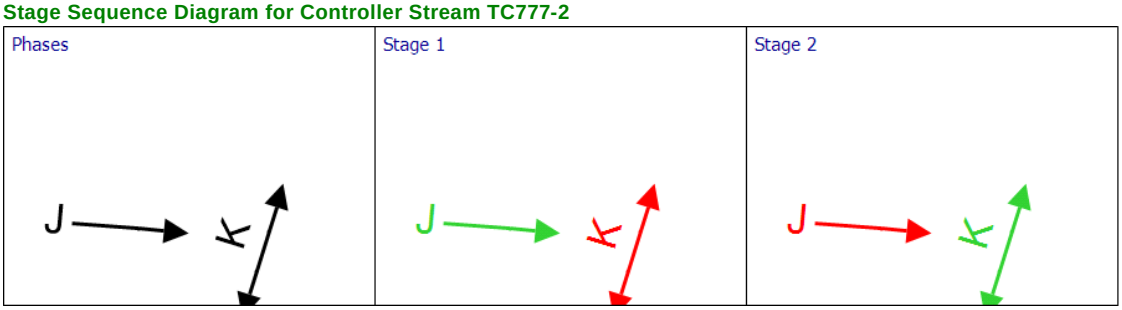
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
TC37	1	TC771-6	TC777-2	J	45	30	105			

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)
07:30-08:30	(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	402	2050	38	683	59	53	24.28	7.38	60.45	29.55
		2	(untitled)	E	161	2050	38	683	24	282	18.09	2.55	20.27	23.53
		3	(untitled)	E	341	2050	38	683	50	80	25.92	6.59	51.11	31.48
		4	(untitled)	E	510	2050	38	683	75	21	35.27	9.77	74.11	40.96
	Ac	1	(untitled)	D	1073	2263	60	1169	92	-2	22.47	16.40	104.94	29.21
		2	(untitled)	D	214	2263	60	1159	18	387	7.06	3.81	25.31	15.97
		3	(untitled)	D	382	2263	60	1169	33	176	6.86	5.74	39.98	13.05
	Acf	1	(untitled)		1287	2263	120	2263	57	58	1.05	2.69	21.70	6.40
		2	(untitled)		382	2263	120	2263	17	433	0.16	0.02	0.14	7.54
	Af	1	(untitled)		563	2050	120	2050	27	228	0.33	0.05	0.54	6.91
		2	(untitled)		341	2050	120	2050	17	441	0.18	0.02	0.17	6.72
		3	(untitled)		510	2050	120	2050	25	262	0.29	0.04	0.43	6.85
	B	1	(untitled)	B	355	2050	38	683	52	73	17.22	4.24	25.77	24.32
		2	(untitled)	B	358	2150	38	710	50	79	16.89	4.25	25.13	24.18
		3	(untitled)	B	473	2100	38	700	68	33	33.12	8.70	50.16	40.59
		4	(untitled)	B	458	2050	38	458	100	-10	180.48	27.66	155.29	192.77
	Bc	1	(untitled)	A	375	2050	58	1025	37	146	10.94	7.54	32.59	20.92
		2	(untitled)	A	508	2050	58	981	52	74	11.47	12.21	53.28	21.35
		3	(untitled)	A	725	2050	58	1025	71	27	12.41	19.40	85.57	22.19
	Bcf	1	(untitled)		1475	2263	120	2263	65	38	1.48	0.61	5.15	5.99
		2	(untitled)		375	2263	120	2263	17	443	0.16	0.02	0.14	5.73
		3	(untitled)		508	2263	120	2263	22	301	0.23	0.03	0.28	6.41
		4	(untitled)		725	2263	120	2261	32	181	0.38	2.05	17.50	6.65
	Bf	1	(untitled)		713	1800	120	1800	40	127	0.66	0.13	0.33	27.99
		2	(untitled)		931	1800	120	976	95	-6	92.04	46.24	116.40	119.46
	C	1	(untitled)	G	477	2100	34	630	76	19	27.79	7.81	37.06	42.32
		2	(untitled)	G	460	2200	34	642	72	26	25.81	7.29	34.25	40.49
		3	(untitled)	G	553	2050	34	615	90	0	43.38	11.66	53.92	58.30
	Cf	1	(untitled)		477	1965	120	1965	24	271	0.29	0.04	0.15	17.65
		2	(untitled)		1013	1965	120	1965	52	75	0.97	0.27	1.08	18.48
		1	(untitled)	B	466	2050	34	615	76	19	33.46	8.51	88.99	37.59

07:30-08:30	D	2	(untitled)	B	541	1850	34	541	100	-10	109.20	20.39	213.12	113.33
		3	(untitled)	B	491	2250	34	667	74	22	26.00	8.28	83.71	30.26
		4	(untitled)	B	594	2250	34	675	88	2	37.76	11.74	111.48	42.30
	Dc	1	(untitled)	A	854	2100	66	1189	72	25	11.83	7.50	85.73	15.60
		2	(untitled)	A	842	2100	66	1151	73	23	13.59	7.91	94.03	17.22
		3	(untitled)	A	693	2100	66	763	91	-1	29.98	10.29	127.52	33.46
		4	(untitled)	A	828	2100	66	828	100	-10	78.78	20.86	269.59	82.11
	Dcf	1	(untitled)		918	2050	120	2050	45	101	0.71	0.18	1.58	5.66
		2	(untitled)		206	2100	120	2100	10	816	0.09	0.01	0.05	5.04
		3	(untitled)		854	2100	120	1950	44	106	1.87	7.19	62.31	6.85
		4	(untitled)		842	2100	120	1480	57	58	3.47	5.02	43.38	8.46
		5	(untitled)		692	2100	120	1769	39	130	2.64	4.81	41.33	7.66
		6	(untitled)		828	2100	120	828	100	-10	84.68	25.18	215.71	89.72
	Df	1	(untitled)	B	1087	1900	103	993	109	-18	189.10	82.76	237.92	213.10
		2	(untitled)	B	1085	2250	103	1901	57	58	3.33	9.42	27.08	27.33
	Dxp	1	(untitled)	D	953	2050	101	1743	55	65	1.64	1.76	21.67	5.13
		2	(untitled)	D	209	2050	101	1743	12	650	0.36	0.17	2.07	4.01
	Ec	1	(untitled)	F	770	2150	70	1290	60	51	11.03	7.24	83.07	14.78
		2	(untitled)	F	1234	2263	70	1234	100	-10	58.20	24.03	285.33	61.83
		3	(untitled)	F	1284	2263	70	1284	100	-10	56.51	24.38	299.76	60.02
		4	(untitled)	F	593	2250	70	1350	44	105	11.64	7.07	90.14	15.02
	Ecf	1	(untitled)		930	2100	120	2092	44	102	0.74	4.84	60.63	4.19
		2	(untitled)		1232	2100	120	1997	62	46	1.89	5.50	68.15	5.37
		3	(untitled)		1234	2263	120	1485	83	8	12.04	8.83	108.19	15.56
		4	(untitled)		1284	2300	120	1491	86	4	13.27	9.39	113.64	16.84
		5	(untitled)		629	2300	120	1768	36	153	4.21	4.98	58.96	7.86
	Ef	1	(untitled)		841	1900	120	1900	44	103	0.75	0.18	0.79	16.06
		2	(untitled)		471	1900	120	1900	25	263	0.31	0.04	0.18	15.62
	Exp	1	(untitled)	L	930	2050	100	1725	54	67	1.80	5.01	55.53	5.68
		2	(untitled)	L	462	2050	100	1725	27	236	1.23	2.37	25.35	5.26
	F	1	(untitled)	B	290	2100	21	403	72	25	34.02	5.17	34.94	40.40
		2	(untitled)	B	291	2100	21	403	72	24	34.16	5.20	34.88	40.59
		3	(untitled)	B	310	2100	21	403	77	17	37.43	6.03	39.71	43.97
	Fc	1	(untitled)	A	1452	2263	75	1452	100	-10	59.50	48.06	153.06	78.33
		2	(untitled)	A	1318	2263	75	1318	100	-10	63.97	47.30	152.11	82.41
		3	(untitled)	A	1130	2263	75	1446	78	15	11.76	22.52	72.87	30.85
	Ff	1	(untitled)		581	1900	120	1900	31	194	0.42	0.07	0.14	33.50
		2	(untitled)		310	1900	120	1900	16	452	0.18	0.02	0.03	33.23
	G	1	(untitled)	F	259	2050	32	561	46	95	38.80	4.53	16.70	54.86
		2	(untitled)	F	248	2050	32	563	44	104	43.44	4.87	18.35	54.88
	Gf	1	(untitled)		241	2050	120	2049	12	665	0.12	2.33	34.41	3.04
		2	(untitled)		230	2050	120	2049	11	702	0.12	2.33	34.79	3.00
	xA	1	(untitled)		1605	2263	120	1935	83	9	9.76	23.14	57.60	27.09
		2	(untitled)		1518	2263	120	1886	80	12	11.56	31.78	78.85	28.95
	xB	1	(untitled)		1475	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
	xC	1	(untitled)		463	1900	120	1057	44	106	6.63	7.16	35.63	15.30
		2	(untitled)		448	1900	120	1067	42	115	6.33	7.12	35.28	15.03
	xD	1	(untitled)		953	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
		2	(untitled)		209	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
	xE	1	(untitled)		930	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		462	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	xF	1	(untitled)		821	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
	Cc1	1	(untitled)	E	403	2050	60	1059	38	136	4.57	2.65	15.89	11.19
	E1	1	(untitled)	G	303	2050	28	513	59	52	24.84	4.38	31.48	30.84
		2	(untitled)	G	538	2200	28	550	98	-8	82.73	16.86	121.20	88.73
	Gf1	1	(untitled)		36	676	120	676	5	1591	1.90	0.31	3.77	5.49
		2	(untitled)	D	836	2150	58	1036	81	12	16.57	15.36	97.66	26.41
		3	(untitled)	D	382	2050	58	1025	37	142	3.62	1.65	10.62	13.88

	Cc2	4	(untitled)	D	665	2150	58	1075	62	45	15.47	9.53	60.49	24.87
		5	(untitled)	D	509	2050	58	1025	50	81	16.47	7.83	51.03	24.94
		6	(untitled)	D	458	2050	58	458	100	-10	148.61	23.69	155.05	156.52
	E2	3	(untitled)	H	241	2150	28	529	46	98	21.96	3.34	36.01	25.95
		4	(untitled)	H	230	2050	28	513	45	101	21.87	3.19	33.71	25.94
	TC5	2	(untitled)	A	1056	2263	98	1886	56	61	2.76	3.25	81.24	5.52
		3	(untitled)	A	1518	2263	98	1886	80	12	5.03	4.54	113.35	7.80
		4	(untitled)	C	0	1800	11	180	0	Unrestricted	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	460	1925	71	1187	39	132	12.55	7.41	46.44	23.55
		2	(untitled)	B	333	1966	71	1212	27	228	11.18	4.86	30.35	22.23
		3	(untitled)	B	422	1947	71	1201	35	156	12.07	6.47	40.17	23.19
	TC35	1	(untitled)	A	549	1900	98	1583	35	159	2.02	1.54	36.69	4.92
	TC36	1	(untitled)		227	1800	120	1800	13	614	0.14	0.01	0.21	3.17
	TC37	1	(untitled)	J	40	1850	105	1634	2	3577	0.90	0.16	2.02	4.09
	TC38	1	(untitled)		40	228	120	228	18	412	12.32	2.43	65.65	13.86
	TC39	2	(untitled)		1056	2263	120	2263	47	93	0.69	0.20	3.32	3.23
		3	(untitled)		1518	2263	120	2263	67	34	1.61	0.68	11.76	4.01
	TC40	2	(untitled)		1096	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		1518	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	93	1850	8	139	67	34	79.01	3.56	37.51	82.94
		2	(untitled)	D	94	1850	8	139	68	33	79.80	3.62	37.81	83.76
	TC42	1	(untitled)	E	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC43	1	(untitled)		0	1800	120	1800	0	Unrestricted	0.00	0.00	0.00	0.00
	47	1	(untitled)		910	1300	120	1300	70	29	3.21	0.81	3.49	19.24
	48	1	(untitled)		1490	1965	120	1965	76	19	2.85	1.18	12.31	9.46
	49	1	(untitled)		472	1900	120	1900	25	262	0.31	0.04	0.90	3.46
		2	(untitled)		755	1900	120	1900	40	126	0.62	0.13	2.87	3.77
	50	1	(untitled)		1833	1900	120	1645	111	-19	196.49	152.60	1822.48	202.26
	51	1	(untitled)		891	1900	120	1900	47	92	0.84	0.21	3.17	5.33
	53	1		J	12	1800	7	120	10	800	54.40	0.38	2.39	65.32
	54	1		A	14	1800	7	120	12	671	54.71	0.44	1.27	78.71

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	92	99	7	1	7
	2	✓	2	B	104	87	103	1	7
769-1	1	✓	1	A	96	5	29	1	7
	2	✓	2	B	12	31	19	1	7
	3		1	A	36	65	29	1	7
	4		2	B	72	91	19	1	7
769-2	1	✓	4	D,E,H,I	99	4	25	1	3
	2	✓	5	F,G,J,K	15	25	10	1	10
	3		4	D,E,H,I	39	64	25	1	3
	4		5	F,G,J,K	75	85	10	1	10
770-1	1	✓	1	A,C	100	9	29	1	7
	2	✓	2	B	18	35	17	1	7
	3		1	A,C	40	69	29	1	7
	4		2	B	78	95	17	1	7
770-2	1	✓	4	D	36	17	101	1	7
	2	✓	5	E	22	29	7	1	5
770-3	1	✓	7	F,I,J	100	10	30	1	2
	2	✓	9	G,H	21	28	7	1	1
	3		7	F,I,J	40	70	30	1	2
	4		9	G,H	81	88	7	1	1
770-4	1	✓	11	L	39	19	100	1	7
	2	✓	12	M	24	32	8	1	6
771-1	1	✓	1	A,C	106	21	35	1	8
	2	✓	3	B,D	32	40	8	1	8
	3	✓	2	A	51	86	35	1	7
	4	✓	4	B	92	100	8	1	7
771-2	1	✓	3	D	102	24	42	1	7
	2	✓	4	E	29	54	25	1	7
	3	✓	5	D,F	59	67	8	1	7
	4	✓	6	E,A	83	90	7	1	6
TC777-1	1	✓	1	A,B,F	42	113	71	1	7
	2	✓	2	A,C,F,G	118	9	11	1	7
	3	✓	5	D,H,I	17	25	8	1	7
	4	✓	7	A,F,J	31	37	6	1	6
TC777-2	1	✓	1	J	45	30	105	1	7
	2	✓	2	K	35	40	5	1	5

Data Entry - Phase

Phase

Controller Stream	Phase	Phase	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type
11	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
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
	D	D	9	300	0	0	Pedestrian
771-2	A	A	7	300	0	0	Pedestrian
	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	7	300	0	0	Pedestrian
TC777-1	A	A	7	300	0	1	Traffic
	B	B	7	300	0	2	Traffic
	C	C	7	300	0	0	Traffic
	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	5	300	0	0	Pedestrian
	G	G	7	300	0	0	Pedestrian
	H	H	6	300	0	0	Pedestrian
	I	I	5	300	0	0	Pedestrian
	J	J	7	300	0	0	Traffic
TC777-2	J	J	7	300	0	0	Traffic
	K	K	5	300	0	0	Pedestrian

Data Entry - Traffic Stream

Traffic Stream

Arm	Traffic Stream	Auto length	Length (m)	Traffic model	Max queue storage (PCU)	Traffic type	Has Saturation Flow	Is signal controlled	Is give way	Saturation flow source	Saturation flow (PCU/hr)	Delay weighting multiplier (%)	Stop weighting multiplier (%)
A	1	✓	70.18	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	72.46	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	74.12	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	4	✓	75.77	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ac	1	✓	89.87	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	2	✓	86.66	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	82.54	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
Acf	1	✓	71.36	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	71.73	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Af	1	✓	54.84	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	54.57	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	54.68	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	✓	133.05	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	131.72	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	130.38	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Bcf	1	✓	67.86	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	68.39	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	67.34	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	67.30	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	✓	56.84	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	100
	4	✓	60.54	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	✓	180.56	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100

Fc	**2**	✓	178.82	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	177.67	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**	✓	231.00	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	231.79	CTM	0.00	Normal	✓			Directly entered	2263	100	100
xB	**1**	✓	77.15	NetworkDefault	0.00	Normal						100	100
xC	**1**	✓	115.60	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
	2	✓	115.98	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
xD	**1**	✓	121.71	NetworkDefault	0.00	Normal						100	100
	2	✓	122.74	NetworkDefault	0.00	Normal						100	100
xE	**1**	✓	173.89	NetworkDefault	0.00	Normal						100	100
	2	✓	173.83	NetworkDefault	0.00	Normal						100	100
xF	**1**	✓	162.53	NetworkDefault	0.00	Normal						100	100
Cc1	**1**	✓	95.71	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**	✓	90.44	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	89.19	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	4	✓	90.59	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	5	✓	88.24	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	6	✓	87.85	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
53	**1**		91.00	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
54	**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)
07:30-08:30	1	1	0	0	7	0.00	0.00
		2	0	0	7	0.00	0.00
	2	1	0	0	58	0.00	0.00
		2	0	0	58	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	68	0.00	0.00
		2	0	0	68	0.00	0.00
	5	1	0	0	68	0.00	0.00
		2	0	0	68	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	36	0.00	0.00
		2	0	0	36	0.00	0.00
	8	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	9	1	0	0	24	0.00	0.00
		2	0	0	24	0.00	0.00
	10	1	0	0	36	0.00	0.00
		2	0	0	36	0.00	0.00
	11	1	0	0	60	0.00	0.00
		2	0	0	60	0.00	0.00
	12	1	0	0	58	0.00	0.00
		2	0	0	58	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	99	0.00	0.00
		2	0	0	99	0.00	0.00
	15	1	0	0	11	0.00	0.00
		2	0	0	11	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	8	0.00	0.00
		2	0	0	8	0.00	0.00
	19	1	0	0	8	0.00	0.00
		2	0	0	8	0.00	0.00
	20	1	0	0	9	0.00	0.00
		2	0	0	9	0.00	0.00

Traffic Stream Results

Traffic Stream Results: Vehicle summary

Time Segment	Arm	Traffic Stream	Degree of saturation (%)	Practical reserve capacity (%)	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Performance Index (£ per hr)
		1	59	53	402	2050	38	24.28	7.38	60.45	38.51	11.57	50.07

A	2	24	282	161	2050	38	18.09	2.55	20.27	11.49	3.64	15.13
	3	50	80	341	2050	38	25.92	6.59	51.11	34.86	9.62	44.49
	4	75	21	510	2050	38	35.27	9.77	74.11	70.96	17.14	88.10
Ac	1	92	-2	1073	2263	60	22.47	16.40	104.94	95.08	19.13	114.20
	2	18	387	214	2263	60	7.06	3.81	25.31	5.96	1.96	7.92
	3	33	176	382	2263	60	6.86	5.74	39.98	10.33	5.70	16.04
Acf	1	57	58	1287	2263	120	1.05	2.69	21.70	5.31	0.37	5.68
	2	17	433	382	2263	120	0.16	0.02	0.14	0.24	0.00	0.24
Af	1	27	228	563	2050	120	0.33	0.05	0.54	0.74	0.00	0.74
	2	17	441	341	2050	120	0.18	0.02	0.17	0.24	0.00	0.24
	3	25	262	510	2050	120	0.29	0.04	0.43	0.58	0.00	0.58
B	1	52	73	355	2050	38	17.22	4.24	25.77	24.13	7.99	32.12
	2	50	79	358	2150	38	16.89	4.25	25.13	23.85	8.00	31.85
	3	68	33	473	2100	38	33.12	8.70	50.16	61.75	16.50	78.24
	4	100	-10	458	2050	38	180.48	27.66	155.29	326.32	16.17	342.49
Bc	1	37	146	375	2050	58	10.94	7.54	32.59	16.19	7.05	23.24
	2	52	74	508	2050	58	11.47	12.21	53.28	22.99	10.63	33.62
	3	71	27	725	2050	58	12.41	19.40	85.57	35.48	13.27	48.76
Bcf	1	65	38	1475	2263	120	1.48	0.61	5.15	8.62	0.00	8.62
	2	17	443	375	2263	120	0.16	0.02	0.14	0.23	0.00	0.23
	3	22	301	508	2263	120	0.23	0.03	0.28	0.46	0.00	0.46
	4	32	181	725	2263	120	0.38	2.05	17.50	1.07	0.06	1.13
Bf	1	40	127	713	1800	120	0.66	0.13	0.33	1.85	0.00	1.85
	2	95	-6	931	1800	120	92.04	46.24	116.40	338.17	31.15	369.32
C	1	76	19	477	2100	34	27.79	7.81	37.06	52.28	5.84	58.13
	2	72	26	460	2200	34	25.81	7.29	34.25	46.83	5.46	52.29
	3	90	0	553	2050	34	43.38	11.66	53.92	94.62	8.53	103.16
Cf	1	24	271	477	1965	120	0.29	0.04	0.15	0.55	0.00	0.55
	2	52	75	1013	1965	120	0.97	0.27	1.08	3.89	0.00	3.89
D	1	76	19	466	2050	34	33.46	8.51	88.99	61.54	15.33	76.87
	2	100	-10	541	1850	34	109.20	20.39	213.12	233.10	26.20	259.30
	3	74	22	491	2250	34	26.00	8.28	83.71	50.35	14.96	65.31
	4	88	2	594	2250	34	37.76	11.74	111.48	88.48	21.54	110.02
Dc	1	72	25	854	2100	66	11.83	7.50	85.73	39.84	14.27	54.11
	2	73	23	842	2100	66	13.59	7.91	94.03	45.12	15.48	60.60
	3	91	-1	693	2100	66	29.98	10.29	127.52	81.91	20.10	102.01
	4	100	-10	828	2100	66	78.78	20.86	269.59	257.32	27.59	284.91
Dcf	1	45	101	918	2050	120	0.71	0.18	1.58	2.57	0.00	2.57
	2	10	816	206	2100	120	0.09	0.01	0.05	0.08	0.00	0.08
	3	44	106	854	2100	120	1.87	7.19	62.31	6.29	5.02	11.31
	4	57	58	842	2100	120	3.47	5.02	43.38	11.52	5.30	16.82
	5	39	130	692	2100	120	2.64	4.81	41.33	7.21	4.59	11.79
	6	100	-10	828	2100	120	84.68	25.18	215.71	276.62	32.62	309.24
Df	1	109	-18	1087	1900	103	189.10	82.76	237.92	810.77	26.18	836.94
	2	57	58	1085	2250	103	3.33	9.42	27.08	14.24	3.51	17.75
Dxp	1	55	65	953	2050	101	1.64	1.76	21.67	6.16	1.56	7.71
	2	12	650	209	2050	101	0.36	0.17	2.07	0.30	0.15	0.45
Ec	1	60	51	770	2150	70	11.03	7.24	83.07	33.48	14.07	47.55
	2	100	-10	1234	2263	70	58.20	24.03	285.33	283.29	29.33	312.62
	3	100	-10	1284	2263	70	56.51	24.38	299.76	286.22	29.13	315.35
	4	44	105	593	2250	70	11.64	7.07	90.14	27.22	13.58	40.80
Ecf	1	44	102	930	2100	120	0.74	4.84	60.63	2.72	0.57	3.30
	2	62	46	1232	2100	120	1.89	5.50	68.15	9.20	4.71	13.91
	3	83	8	1234	2263	120	12.04	8.83	108.19	58.63	17.26	75.89
	4	86	4	1284	2300	120	13.27	9.39	113.64	67.23	18.20	85.44
	5	36	153	629	2300	120	4.21	4.98	58.96	10.46	6.62	17.08
Ef	1	44	103	841	1900	120	0.75	0.18	0.79	2.49	0.00	2.49
	2	25	263	471	1900	120	0.31	0.04	0.18	0.58	0.00	0.58

07:30-08:30	Exp	1	54	67	930	2050	100	1.80	5.01	55.53	6.59	2.50	9.09
		2	27	236	462	2050	100	1.23	2.37	25.35	2.25	1.37	3.62
	F	1	72	25	290	2100	21	34.02	5.17	34.94	38.91	9.49	48.41
		2	72	24	291	2100	21	34.16	5.20	34.88	39.22	9.55	48.76
		3	77	17	310	2100	21	37.43	6.03	39.71	45.76	10.73	56.50
	Fc	1	100	-10	1452	2263	75	59.50	48.06	153.06	340.80	33.25	374.05
		2	100	-10	1318	2263	75	63.97	47.30	152.11	332.60	33.21	365.81
		3	78	15	1130	2263	75	11.76	22.52	72.87	52.46	16.93	69.39
	Ff	1	31	194	581	1900	120	0.42	0.07	0.14	0.96	0.00	0.96
		2	16	452	310	1900	120	0.18	0.02	0.03	0.23	0.00	0.23
	G	1	46	95	259	2050	32	38.80	4.53	16.70	39.63	4.75	44.39
		2	44	104	248	2050	32	43.44	4.87	18.35	42.49	8.41	50.90
	Gf	1	12	665	241	2050	120	0.12	2.33	34.41	0.12	0.03	0.15
		2	11	702	230	2050	120	0.12	2.33	34.79	0.11	0.03	0.14
	xA	1	83	9	1605	2263	120	9.76	23.14	57.60	61.81	20.13	81.94
		2	80	12	1518	2263	120	11.56	31.78	78.85	69.24	21.34	90.59
	xB	1	0	Unrestricted	1475	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	44	106	463	1900	120	6.63	7.16	35.63	12.10	8.72	20.82
		2	42	115	448	1900	120	6.33	7.12	35.28	11.18	8.36	19.54
	xD	1	0	Unrestricted	953	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	209	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	0	Unrestricted	930	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	462	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	0	Unrestricted	821	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	38	136	403	2050	60	4.57	2.65	15.89	7.26	2.91	10.17
	E1	1	59	52	303	2050	28	24.84	4.38	31.48	29.69	8.42	38.11
		2	98	-8	538	2200	28	82.73	16.86	121.20	175.57	23.36	198.93
	Gf1	1	5	1591	36	676	120	1.90	0.31	3.77	0.27	0.43	0.70
	Cc2	2	81	12	836	2150	58	16.57	15.36	97.66	54.62	9.84	64.47
		3	37	142	382	2050	58	3.62	1.65	10.62	5.45	1.13	6.58
		4	62	45	665	2150	58	15.47	9.53	60.49	40.58	9.26	49.84
		5	50	81	509	2050	58	16.47	7.83	51.03	33.08	9.09	42.16
		6	100	-10	458	2050	58	148.61	23.69	155.05	268.60	24.95	293.55
	E2	3	46	98	241	2150	28	21.96	3.34	36.01	20.87	6.42	27.29
		4	45	101	230	2050	28	21.87	3.19	33.71	19.84	6.13	25.97
	TC5	2	56	61	1056	2263	98	2.76	3.25	81.24	11.48	1.22	12.70
		3	80	12	1518	2263	98	5.03	4.54	113.35	30.14	1.70	31.84
		4	0	Unrestricted	0	1800	11	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	39	132	460	1925	71	12.55	7.41	46.44	22.76	2.68	25.44
		2	27	228	333	1966	71	11.18	4.86	30.35	14.69	1.83	16.51
		3	35	156	422	1947	71	12.07	6.47	40.17	20.09	2.43	22.53
	TC35	1	35	159	549	1900	98	2.02	1.54	36.69	4.37	0.63	5.00
	TC36	1	13	614	227	1800	120	0.14	0.01	0.21	0.13	0.00	0.13
	TC37	1	2	3577	40	1850	105	0.90	0.16	2.02	0.14	0.16	0.31
	TC38	1	18	412	40	228	120	12.32	2.43	65.65	1.94	0.91	2.86
	TC39	2	47	93	1056	2263	120	0.69	0.20	3.32	2.89	0.00	2.89
		3	67	34	1518	2263	120	1.61	0.68	11.76	9.67	0.00	9.67
	TC40	2	0	Unrestricted	1096	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		3	0	Unrestricted	1518	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	TC41	1	67	34	93	1850	8	79.01	3.56	37.51	28.98	3.69	32.67
		2	68	33	94	1850	8	79.80	3.62	37.81	29.59	3.75	33.33
	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	120	0.00	0.00	0.00	0.00	0.00	0.00
	47	1	70	29	910	1300	120	3.21	0.81	3.49	11.51	0.00	11.51
	48	1	76	19	1490	1965	120	2.85	1.18	12.31	16.75	0.00	16.75
	49	1	25	262	472	1900	120	0.31	0.04	0.90	0.58	0.00	0.58
		2	40	126	755	1900	120	0.62	0.13	2.87	1.86	0.00	1.86
	50	1	111	-19	1833	1900	120	196.49	152.60	1822.48	1420.63	45.66	1466.29

	51	1	47	92	891	1900	120	0.84	0.21	3.17	2.94	0.00	2.94
	53	1	10	800	12	1800	7	54.40	0.38	2.39	2.57	0.14	2.72
	54	1	12	671	14	1800	7	54.71	0.44	1.27	3.02	0.16	3.19

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	402	402	0		2050	683	59		53	0.83	38
		2	161	161	-1	✓	2050	683	24		282	0.83	38
		3	341	341	-1		2050	683	50		80	0.74	38
		4	510	510	-1		2050	683	75		21	0.83	38
	Ac	1	1073	1073	0		2263	1169	92	✓	-2	0.98	60
		2	214	214	-1	✓	2263	1159	18		387	1.58	60
		3	382	382	-1		2263	1169	33		176	1.26	60
	Acf	1	1287	1287	-1	✓	2263	2263	57		58	0.71	120
		2	382	382	-1		2263	2263	17		433	1.26	120
	Af	1	563	563	-1	✓	2050	2050	27		228	0.82	120
		2	341	341	-1		2050	2050	17		441	0.74	120
		3	510	510	-1		2050	2050	25		262	0.83	120
	B	1	355	356	40	✓	2050	683	52		73	0.23	38
		2	358	358	41	✓	2150	710	50		79	0.23	38
		3	473	473	54	✓	2100	700	68		33	0.86	38
		4	458	458	53	✓	2050	458	100	✓	-10	0.86	38
	Bc	1	375	375	-2	✓	2050	1025	37		146	1.45	58
		2	508	508	0		2050	981	52		74	1.21	58
		3	725	725	-1		2050	1025	71		27	1.12	58
	Bcf	1	1475	1475	0		2263	2263	65		38	0.59	120
		2	375	375	-2	✓	2263	2263	17		443	1.45	120
		3	508	508	0		2263	2263	22		301	1.21	120
		4	725	725	-1		2263	2261	32		181	1.12	120
	Bf	1	713	713	81	✓	1800	1800	40		127	0.23	120
		2	931	931	107	✓	1800	976	95	✓	-6	0.23	120
	C	1	477	477	0		2100	630	76		19	0.00	34
		2	460	460	0		2200	642	72		26	0.00	34
		3	553	553	0		2050	615	90		0	0.00	34
	Cf	1	477	477	0		1965	1965	24		271	0.00	120
		2	1013	1013	0		1965	1965	52		75	0.00	120
	D	1	466	466	43	✓	2050	615	76		19	0.84	34
		2	541	541	50	✓	1850	541	100	✓	-10	0.84	34
		3	491	491	0		2250	667	74		22	0.28	34
		4	594	594	0		2250	675	88		2	0.28	34
	Dc	1	854	854	38	✓	2100	1189	72		25	0.79	66
		2	842	842	7	✓	2100	1151	73		23	0.73	66
		3	693	693	46	✓	2100	763	91	✓	-1	0.64	66
		4	828	828	53	✓	2100	828	100	✓	-10	0.73	66
	Dcf	1	918	918	35	✓	2050	2050	45		101	0.99	120
		2	206	207	2	✓	2100	2100	10		816	1.38	120
		3	854	854	38	✓	2100	1950	44		106	0.85	120
		4	842	842	7	✓	2100	1480	57		58	0.87	120
		5	692	693	47	✓	2100	1769	39		130	0.79	120
		6	828	828	53	✓	2100	828	100	✓	-10	0.70	120
	Df	1	1087	993	-1	✓	1900	993	109	✓	-18	0.00	103
		2	1085	1085	0		2250	1901	57		58	0.00	103
	Dxp	1	953	953	0		2050	1743	55		65	0.90	101
		2	209	209	0		2050	1743	12		650	1.20	101
		1	770	770	30	✓	2150	1290	60		51	0.61	70

07:30-08:30	Ec	2	1234	1234	96	✓	2263	1234	100	✓	-10	0.72	70
		3	1284	1284	53	✓	2263	1284	100	✓	-10	0.68	70
		4	593	593	0		2250	1350	44		105	1.09	70
	Ecf	1	930	930	44	✓	2100	2092	44		102	0.92	120
		2	1232	1232	43	✓	2100	1997	62		46	0.52	120
		3	1234	1234	96	✓	2263	1485	83		8	0.59	120
		4	1284	1284	53	✓	2300	1491	86		4	0.62	120
		5	629	629	0		2300	1768	36		153	1.34	120
	Ef	1	841	841	0		1900	1900	44		103	0.00	120
		2	471	471	0		1900	1900	25		263	0.00	120
	Exp	1	930	930	44	✓	2050	1725	54		67	0.92	100
		2	462	462	13	✓	2050	1725	27		236	0.68	100
	F	1	290	290	0		2100	403	72		25	0.00	21
		2	291	291	-1	✓	2100	403	72		24	0.00	21
		3	310	310	-1		2100	403	77		17	0.00	21
	Fc	1	1452	1452	96	✓	2263	1452	100	✓	-10	0.54	75
		2	1318	1318	53	✓	2263	1318	100	✓	-10	0.75	75
		3	1130	1130	1		2263	1446	78		15	0.95	75
	Ff	1	581	581	-1	✓	1900	1900	31		194	0.00	120
		2	310	310	-1		1900	1900	16		452	0.00	120
	G	1	259	259	0		2050	561	46		95	1.46	32
		2	248	248	0		2050	563	44		104	1.46	32
	Gf	1	241	241	0		2050	2049	12		665	1.50	120
		2	230	230	0		2050	2049	11		702	1.50	120
	xA	1	1605	1605	83	✓	2263	1935	83		9	0.43	120
		2	1518	1518	66	✓	2263	1886	80		12	0.61	120
	xB	1	1475	1475	0		Unrestricted	Unrestricted	0		Unrestricted	0.47	120
	xC	1	463	463	1	✓	1900	1057	44		106	1.24	120
		2	448	448	1	✓	1900	1067	42		115	1.28	120
	xD	1	953	953	0		Unrestricted	Unrestricted	0		Unrestricted	0.80	120
		2	209	209	0		Unrestricted	Unrestricted	0		Unrestricted	1.00	120
	xE	1	930	930	44	✓	Unrestricted	Unrestricted	0		Unrestricted	0.75	120
		2	462	462	13	✓	Unrestricted	Unrestricted	0		Unrestricted	0.59	120
	xF	1	821	821	30	✓	Unrestricted	Unrestricted	0		Unrestricted	0.76	120
	Cc1	1	403	403	2	✓	2050	1059	38		136	1.33	60
	E1	1	303	303	0		2050	513	59		52	0.00	28
		2	538	537	0		2200	550	98	✓	-8	0.00	28
	Gf1	1	36	36	0		676	676	5		1591	1.11	120
	Cc2	2	836	836	35	✓	2150	1036	81		12	0.92	58
		3	382	382	7	✓	2050	1025	37		142	1.03	58
		4	665	665	40	✓	2150	1075	62		45	0.86	58
		5	509	509	47	✓	2050	1025	50		81	1.14	58
		6	458	458	53	✓	2050	458	100	✓	-10	1.38	58
	E2	3	241	241	0		2150	529	46		98	0.00	28
		4	230	230	0		2050	513	45		101	0.00	28
	TC5	2	1056	1056	61	✓	2263	1886	56		61	0.55	98
		3	1518	1518	66	✓	2263	1886	80		12	0.62	98
		4	0	0	0		1800	180	0		Unrestricted	0.00	11
	TC9	1	460	460	-1	✓	1925	1187	39		132	0.00	71
		2	333	333	0		1966	1212	27		228	0.00	71
		3	422	422	0		1947	1201	35		156	0.00	71
	TC35	1	549	549	22	✓	1900	1583	35		159	0.69	98
	TC36	1	227	227	-1		1800	1800	13		614	0.00	120
	TC37	1	40	40	0		1850	1634	2		3577	0.00	105
	TC38	1	40	40	0		228	228	18		412	0.23	120
	TC39	2	1056	1056	61	✓	2263	2263	47		93	0.61	120
		3	1518	1518	66	✓	2263	2263	67		34	0.64	120

	TC40	2	1096	1096	61	✓	Unrestricted	Unrestricted	0		Unrestricted	0.48	120
		3	1518	1518	66	✓	Unrestricted	Unrestricted	0		Unrestricted	0.57	120
	TC41	1	93	93	0		1850	139	67		34	0.00	8
		2	94	94	-1		1850	139	68		33	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	120
	47	1	910	910	2	✓	1300	1300	70		29	0.58	120
	48	1	1490	1490	0		1965	1965	76		19	0.00	120
	49	1	472	472	-1	✓	1900	1900	25		262	0.00	120
		2	755	755	0		1900	1900	40		126	0.00	120
	50	1	1833	1645	-1		1900	1645	111	✓	-19	0.00	120
	51	1	891	891	-2	✓	1900	1900	47		92	0.00	120
	53	1	12	12	0		1800	120	10		800	0.00	7
	54	1	14	14	0		1800	120	12		671	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	5.26	24.28	2.71	38.51	89.63	360.31	11.57
		2	5.43	18.09	0.81	11.49	70.46	113.44	3.64
		3	5.56	25.92	2.46	34.86	87.91	299.76	9.62
		4	5.68	35.27	5.00	70.96	104.71	534.03	17.14
	Ac	1	6.74	22.47	6.70	95.08	55.55	595.84	19.13
		2	8.91	7.06	0.42	5.96	53.76	115.04	1.96
		3	6.19	6.86	0.73	10.33	46.52	177.66	5.70
	Acf	1	5.35	1.05	0.37	5.31	0.89	11.48	0.37
		2	7.38	0.16	0.02	0.24	0.00	0.00	0.00
	Af	1	6.58	0.33	0.05	0.74	0.00	0.00	0.00
		2	6.55	0.18	0.02	0.24	0.00	0.00	0.00
		3	6.56	0.29	0.04	0.58	0.00	0.00	0.00
	B	1	7.10	17.22	1.70	24.13	70.00	248.90	7.99
		2	7.29	16.89	1.68	23.85	69.55	249.19	8.00
		3	7.48	33.12	4.35	61.75	108.71	513.92	16.50
		4	12.29	180.48	22.98	326.32	281.39	1289.36	16.17
	Bc	1	9.98	10.94	1.14	16.19	58.59	219.70	7.05
		2	9.88	11.47	1.62	22.99	65.19	331.24	10.63
		3	9.78	12.41	2.50	35.48	57.05	413.57	13.27
	Bcf	1	4.50	1.48	0.61	8.62	0.00	0.00	0.00
		2	5.57	0.16	0.02	0.23	0.00	0.00	0.00
		3	6.18	0.23	0.03	0.46	0.00	0.00	0.00
		4	6.27	0.38	0.08	1.07	0.31	2.27	0.06
	Bf	1	27.34	0.66	0.13	1.85	0.00	0.00	0.00
		2	27.41	92.04	23.81	338.17	266.84	2484.51	31.15
	C	1	14.54	27.79	3.68	52.28	97.68	465.93	5.84
		2	14.68	25.81	3.30	46.83	94.71	435.66	5.46
		3	14.92	43.38	6.66	94.62	123.05	680.46	8.53
	Cf	1	17.35	0.29	0.04	0.55	0.00	0.00	0.00
		2	17.50	0.97	0.27	3.89	0.00	0.00	0.00
	D	1	4.13	33.46	4.33	61.54	102.44	477.63	15.33
		2	4.13	109.20	16.42	233.10	150.80	816.30	26.20
		3	4.26	26.00	3.55	50.35	94.92	466.05	14.96
		4	4.54	37.76	6.23	88.48	112.99	671.15	21.54
	Dc	1	3.77	11.83	2.81	39.84	52.08	444.72	14.27
		2	3.63	13.59	3.18	45.12	57.29	482.19	15.48
		3	3.48	29.98	5.77	81.91	90.39	626.16	20.10
		4	3.34	78.78	18.12	257.32	103.80	859.60	27.59
		1	4.95	0.71	0.18	2.57	0.00	0.00	0.00
		2	4.94	0.09	0.01	0.08	0.04	0.08	0.00

	Dcf	3	4.98	1.87	0.44	6.29	18.30	156.26	5.02
		4	4.99	3.47	0.81	11.52	19.61	165.04	5.30
		5	5.02	2.64	0.51	7.21	20.63	142.92	4.59
		6	5.04	84.68	19.48	276.62	122.71	1016.16	32.62
	Df	1	24.00	189.10	57.10	810.77	210.16	2087.83	26.18
		2	24.00	3.33	1.00	14.24	25.77	279.61	3.51
	Dxp	1	3.50	1.64	0.43	6.16	5.09	48.55	1.56
		2	3.65	0.36	0.02	0.30	2.25	4.70	0.15
	Ec	1	3.76	11.03	2.36	33.48	56.95	438.36	14.07
		2	3.63	58.20	19.95	283.29	74.04	913.72	29.33
		3	3.51	56.51	20.16	286.22	70.68	907.55	29.13
		4	3.38	11.64	1.92	27.22	71.34	423.06	13.58
	Ecf	1	3.45	0.74	0.19	2.72	1.92	17.87	0.57
		2	3.48	1.89	0.65	9.20	11.93	146.87	4.71
		3	3.52	12.04	4.13	58.63	43.58	537.81	17.26
		4	3.56	13.27	4.73	67.23	44.17	567.13	18.20
		5	3.64	4.21	0.74	10.46	32.81	206.37	6.62
	Ef	1	15.31	0.75	0.18	2.49	0.00	0.00	0.00
		2	15.31	0.31	0.04	0.58	0.00	0.00	0.00
07:30-08:30	Exp	1	3.89	1.80	0.46	6.59	8.38	77.92	2.50
		2	4.03	1.23	0.16	2.25	9.25	42.69	1.37
	F	1	6.38	34.02	2.74	38.91	102.00	295.79	9.49
		2	6.43	34.16	2.76	39.22	102.20	297.40	9.55
		3	6.54	37.43	3.22	45.76	107.85	334.34	10.73
	Fc	1	18.83	59.50	24.00	340.80	137.57	1997.66	33.25
		2	18.44	63.97	23.42	332.60	148.26	1954.02	33.21
		3	19.09	11.76	3.69	52.46	95.19	1076.10	16.93
	Ff	1	33.09	0.42	0.07	0.96	0.00	0.00	0.00
		2	33.05	0.18	0.02	0.23	0.00	0.00	0.00
	G	1	16.06	38.80	2.79	39.63	107.57	278.61	4.75
		2	11.45	43.44	2.99	42.49	105.59	261.86	8.41
	Gf	1	2.92	0.12	0.01	0.12	0.44	1.07	0.03
		2	2.88	0.12	0.01	0.11	0.43	0.99	0.03
	xA	1	17.33	9.76	4.35	61.81	39.08	627.25	20.13
		2	17.38	11.56	4.88	69.24	43.80	664.96	21.34
	xB	1	5.79	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	8.67	6.63	0.85	12.10	58.71	271.58	8.72
		2	8.70	6.33	0.79	11.18	58.20	260.49	8.36
	xD	1	9.13	0.00	0.00	0.00	0.00	0.00	0.00
		2	9.21	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	13.04	0.00	0.00	0.00	0.00	0.00	0.00
		2	13.04	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	12.19	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	6.62	4.57	0.51	7.26	18.69	75.33	2.91
	E1	1	6.00	24.84	2.09	29.69	86.54	262.23	8.42
		2	6.00	82.73	12.36	175.57	135.42	727.85	23.36
	Gf1	1	3.59	1.90	0.02	0.27	37.15	13.37	0.43
	Cc2	2	9.84	16.57	3.85	54.62	72.79	608.20	9.84
		3	10.26	3.62	0.38	5.45	20.89	79.74	1.13
		4	9.41	15.47	2.86	40.58	78.25	520.53	9.26
		5	8.46	16.47	2.33	33.08	87.60	445.94	9.09
		6	7.91	148.61	18.92	268.60	244.28	1119.12	24.95
	E2	3	4.00	21.96	1.47	20.87	82.98	199.99	6.42
		4	4.07	21.87	1.40	19.84	82.99	190.89	6.13
	TC5	2	2.76	2.76	0.81	11.48	9.24	97.59	1.22
		3	2.76	5.03	2.12	30.14	8.94	135.74	1.70
		4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		1	11.00	12.55	1.60	22.76	46.47	213.76	2.68

	TC9	2	11.05	11.18	1.03	14.69	43.78	145.80	1.83
		3	11.12	12.07	1.41	20.09	46.00	194.10	2.43
	TC35	1	2.90	2.02	0.31	4.37	9.11	50.05	0.63
	TC36	1	3.03	0.14	0.01	0.13	0.00	0.00	0.00
	TC37	1	3.19	0.90	0.01	0.14	11.69	4.68	0.16
	TC38	1	1.53	12.32	0.14	1.94	65.42	26.17	0.91
	TC39	2	2.54	0.69	0.20	2.89	0.00	0.00	0.00
		3	2.40	1.61	0.68	9.67	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	79.01	2.04	28.98	113.91	105.93	3.69
		2	3.97	79.80	2.08	29.59	114.48	107.61	3.75
	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	3.21	0.81	11.51	0.00	0.01	0.00
	48	1	6.61	2.85	1.18	16.75	0.00	0.00	0.00
	49	1	3.15	0.31	0.04	0.58	0.00	0.00	0.00
		2	3.15	0.62	0.13	1.86	0.00	0.00	0.00
	50	1	5.78	196.49	100.04	1420.63	221.40	3641.65	45.66
	51	1	4.50	0.84	0.21	2.94	0.00	0.00	0.00
	53	1	10.92	54.40	0.18	2.57	93.73	11.25	0.14
	54	1	24.00	54.71	0.21	3.02	93.99	13.16	0.16

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	7.38	12.21	60.45	0.00	14.00	
		2	0.00	2.55	12.60	20.27	0.00	18.00	
		3	0.00	6.59	12.89	51.11	0.00	18.00	
		4	0.00	9.77	13.18	74.11	0.00	10.00	
	Ac	1	0.00	16.40	15.63	104.94	0.00	1.00	
		2	0.00	3.81	15.07	25.31	0.00	42.56	
		3	0.00	5.74	14.35	39.98	0.00	18.00	
	Acf	1	0.00	2.69	12.41	21.70	0.00	33.02	
		2	0.00	0.02	12.48	0.14	0.00	67.00	
	Af	1	0.00	0.05	9.54	0.54	0.00	36.00	
		2	0.00	0.02	9.49	0.17	0.00	40.00	
		3	0.00	0.04	9.51	0.43	0.00	36.00	
	B	1	0.00	4.24	16.46	25.77	0.00	0.00	
		2	0.00	4.25	16.90	25.13	0.00	0.35	
		3	0.00	8.70	17.34	50.16	0.00	12.00	
		4	0.00	27.66	17.81	155.29	0.00	13.18	
	Bc	1	0.00	7.54	23.14	32.59	0.00	31.00	
		2	0.00	12.21	22.91	53.28	0.00	24.59	
		3	0.00	19.40	22.68	85.57	0.00	14.00	
	Bcf	1	0.00	0.61	11.80	5.15	0.00	33.00	
		2	0.00	0.02	11.89	0.14	0.00	78.00	
		3	0.00	0.03	11.71	0.28	0.00	54.00	
		4	0.00	2.05	11.70	17.50	0.00	46.09	
	Bf	1	0.00	0.13	39.62	0.33	0.00	0.00	
		2	0.00	46.24	39.73	116.40	0.00	54.93	
	C	1	0.00	7.81	21.07	37.06	0.00	0.00	
		2	0.00	7.29	21.28	34.25	0.00	1.00	
		3	0.00	11.66	21.63	53.92	0.00	0.00	
	Cf	1	0.00	0.04	25.15	0.15	0.00	0.00	
		2	0.00	0.27	25.37	1.08	0.00	0.00	
		1	0.00	8.51	9.57	88.99	0.00	4.00	

	D	2	0.00	20.39	9.57	213.12	0.00	0.89	
		3	0.00	8.28	9.89	83.71	0.00	4.41	
		4	0.00	11.74	10.53	111.48	0.00	3.00	
	Dc	1	0.00	7.50	8.74	85.73	0.00	1.06	
		2	0.00	7.91	8.41	94.03	0.00	4.20	
		3	0.00	10.29	8.07	127.52	0.00	25.38	
		4	0.00	20.86	7.74	269.59	0.00	20.68	
	Dcf	1	0.00	0.18	11.47	1.58	0.00	34.00	
		2	0.00	0.01	11.46	0.05	0.00	80.00	
		3	0.00	7.19	11.54	62.31	0.00	35.57	
		4	0.00	5.02	11.58	43.38	0.00	53.43	
		5	0.00	4.81	11.64	41.33	0.00	49.90	
		6	0.00	25.18	11.68	215.71	0.00	72.68	
	Df	1	0.00	82.76	34.78	237.92	0.00	41.26	
		2	0.00	9.42	34.78	27.08	0.00	2.60	
	Dxp	1	0.00	1.76	8.11	21.67	0.00	20.00	
		2	0.00	0.17	8.46	2.07	0.00	50.00	
	Ec	1	0.00	7.24	8.71	83.07	0.00	6.00	
		2	0.00	24.03	8.42	285.33	0.00	6.56	
		3	0.00	24.38	8.13	299.76	0.00	3.91	
		4	0.00	7.07	7.85	90.14	0.00	24.00	
	Ecf	1	0.00	4.84	7.99	60.63	0.00	21.48	
		2	0.00	5.50	8.06	68.15	0.00	25.91	
		3	0.00	8.83	8.16	108.19	0.00	50.23	
		4	0.00	9.39	8.26	113.64	0.00	50.23	
		5	0.00	4.98	8.44	58.96	0.00	65.76	
	Ef	1	0.00	0.18	22.18	0.79	0.00	0.00	
		2	0.00	0.04	22.18	0.18	0.00	0.00	
07:30-08:30	Exp	1	0.00	5.01	9.01	55.53	0.00	17.00	
		2	0.00	2.37	9.34	25.35	0.00	18.00	
	F	1	0.00	5.17	14.80	34.94	0.00	0.00	
		2	0.00	5.20	14.91	34.88	0.00	0.00	
		3	0.00	6.03	15.17	39.71	0.00	0.00	
	Fc	1	0.00	48.06	31.40	153.06	0.00	0.00	
		2	0.00	47.30	31.10	152.11	0.00	7.11	
		3	0.00	22.52	30.90	72.87	0.00	14.33	
	Ff	1	0.00	0.07	47.95	0.14	0.00	0.00	
		2	0.00	0.02	47.89	0.03	0.00	0.00	
	G	1	0.00	4.53	27.16	16.70	0.00	17.17	
		2	0.00	4.87	26.54	18.35	0.00	19.02	
	Gf	1	0.00	2.33	6.76	34.41	0.00	90.03	
		2	0.00	2.33	6.69	34.79	0.00	90.03	
	xA	1	0.00	23.14	40.17	57.60	0.00	29.37	
		2	0.00	31.78	40.31	78.85	0.00	32.00	
	xB	1	0.00	0.00	13.42	0.00	0.00	8.00	
	xC	1	0.00	7.16	20.10	35.63	0.00	86.21	
		2	0.00	7.12	20.17	35.28	0.00	88.63	
	xD	1	0.00	0.00	21.17	0.00	0.00	14.00	
		2	0.00	0.00	21.35	0.00	0.00	52.00	
	xE	1	0.00	0.00	30.24	0.00	0.00	13.00	
		2	0.00	0.00	30.23	0.00	0.00	14.00	
	xF	1	0.00	0.00	28.27	0.00	0.00	4.00	
	Cc1	1	0.00	2.65	16.65	15.89	0.00	30.00	
	E1	1	0.00	4.38	13.91	31.48	0.00	0.00	
		2	0.00	16.86	13.91	121.20	0.00	0.00	
	Gf1	1	0.00	0.31	8.32	3.77	0.00	87.00	
		2	0.00	15.36	15.73	97.66	0.00	12.19	
		3	0.00	1.65	15.51	10.62	0.00	17.00	

	Cc2	4	0.00	9.53	15.75	60.49	0.00	3.00	
		5	0.00	7.83	15.35	51.03	0.00	10.00	
		6	0.00	23.69	15.28	155.05	0.00	33.18	
	E2	3	0.00	3.34	9.27	36.01	0.00	0.47	
		4	0.00	3.19	9.45	33.71	0.00	0.00	
	TC5	2	0.00	3.25	4.01	81.24	0.00	12.00	
		3	0.00	4.54	4.00	113.35	0.00	12.00	
		4	0.00	0.00	4.25	0.00	0.00	12.00	
	TC9	1	0.00	7.41	15.95	46.44	0.00	0.00	
		2	0.00	4.86	16.02	30.35	0.00	0.00	
		3	0.00	6.47	16.12	40.17	0.00	0.00	
	TC35	1	0.00	1.54	4.20	36.69	0.00	13.00	
	TC36	1	0.00	0.01	4.39	0.21	0.00	0.00	
	TC37	1	0.00	0.16	7.71	2.02	0.00	105.00	
	TC38	1	0.00	2.43	3.71	65.65	0.00	49.00	
	TC39	2	0.00	0.20	6.13	3.32	0.00	32.00	
		3	0.00	0.68	5.79	11.76	0.00	32.00	
	TC40	2	0.00	0.00	10.22	0.00	0.00	13.00	
		3	0.00	0.00	9.71	0.00	0.00	18.00	
	TC41	1	0.00	3.56	9.50	37.51	0.00	0.00	
		2	0.00	3.62	9.58	37.81	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	120.00	
	47	1	0.00	0.81	23.24	3.49	0.00	33.00	
	48	1	0.00	1.18	9.59	12.31	0.00	0.00	
	49	1	0.00	0.04	4.56	0.90	0.00	0.00	
		2	0.00	0.13	4.56	2.87	0.00	0.00	
	50	1	0.00	152.60	8.37	1822.48	0.00	16.12	
	51	1	0.00	0.21	6.52	3.17	0.00	0.00	
	53	1	0.00	0.38	15.83	2.39	0.00	7.00	
	54	1	0.00	0.44	34.78	1.27	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	✓	7.38	0.42	6.80	1.00	0.00	50.07
		2	0.00	0.00	✓	2.55	0.04	2.51	1.00	0.00	15.13
		3	0.00	0.00	✓	6.59	0.25	6.37	1.00	0.00	44.49
		4	0.00	0.00	✓	9.78	1.47	9.26	1.00	0.00	88.10
	Ac	1	0.00	0.00		16.64	4.80	14.23	1.00	0.00	114.20
		2	0.00	0.00		3.81	0.02	3.81	1.00	0.00	7.92
		3	0.00	0.00		5.74	0.08	5.66	1.00	0.00	16.04
	Acf	1	0.00	0.00		2.69			1.00	0.00	5.68
		2	0.00	0.00		0.02			1.00	0.00	0.24
	Af	1	0.00	0.00	✓	0.05			1.00	0.00	0.74
		2	0.00	0.00	✓	0.02			1.00	0.00	0.24
		3	0.00	0.00	✓	0.04			1.00	0.00	0.58
	B	1	0.00	0.00		4.24	0.28	4.13	1.00	0.00	32.12
		2	0.00	0.00		4.25	0.26	4.13	1.00	0.00	31.85
		3	0.00	0.00		8.70	0.70	8.69	1.00	0.00	78.24
		4	0.00	0.00		32.13	21.50	32.13	1.00	0.00	342.49
	Bc	1	0.00	0.00		7.54	0.11	4.68	1.00	0.00	23.24
		2	0.00	0.00		12.21	0.28	4.64	1.00	0.00	33.62
		3	0.00	0.00		19.41	0.85	6.37	1.00	0.00	48.76
	Bcf	1	0.00	0.00		0.61			1.00	0.00	8.62
		2	0.00	0.00		0.02			1.00	0.00	0.23
		3	0.00	0.00		0.03			1.00	0.00	0.46

07:30-08:30		4	0.00	0.00		2.05			1.00	0.00	1.13
	Bf	1	0.00	0.00		0.13			1.00	0.00	1.85
		2	0.00	0.00		47.22			1.00	0.00	369.32
	C	1	0.00	0.00	✓	7.82	1.17	7.25	1.00	0.00	58.13
		2	0.00	0.00	✓	7.30	0.90	6.74	1.00	0.00	52.29
		3	0.00	0.00	✓	11.88	3.73	10.85	1.00	0.00	103.16
	Cf	1	0.00	0.00	✓	0.04			1.00	0.00	0.55
		2	0.00	0.00	✓	0.27			1.00	0.00	3.89
	D	1	0.00	0.00		8.53	1.17	8.46	1.00	0.00	76.87
		2	0.00	0.00		25.16	17.30	25.16	1.00	0.00	259.30
		3	0.00	0.00		8.28	1.01	7.56	1.00	0.00	65.31
		4	0.00	0.00	✓	11.86	3.08	11.16	1.00	0.00	110.02
	Dc	1	0.00	0.00		7.50	0.91	7.46	1.00	0.00	54.11
		2	0.00	0.00		7.91	0.99	7.87	1.00	0.00	60.60
		3	0.00	0.00		10.53	4.15	7.27	1.00	0.00	102.01
		4	0.00	0.00		26.82	19.97	26.81	1.00	0.00	284.91
	Dcf	1	0.00	0.00		0.18			1.00	0.00	2.57
		2	0.00	0.00		0.01			1.00	0.00	0.08
		3	0.00	0.00		7.19			1.00	0.00	11.31
		4	0.00	0.00		5.02			1.00	0.00	16.82
		5	0.00	0.00		4.81			1.00	0.00	11.79
		6	0.00	0.00		31.15			1.00	0.00	309.24
	Df	1	0.00	0.00		129.80	105.52	109.93	1.00	0.00	836.94
		2	0.00	0.00	✓	9.42	0.38	5.20	1.00	0.00	17.75
	Dxp	1	0.00	0.00	✓	1.76	0.33	1.69	1.00	0.00	7.71
		2	0.00	0.00	✓	0.17	0.01	0.17	1.00	0.00	0.45
	Ec	1	0.00	0.00		7.24	0.44	7.22	1.00	0.00	47.55
		2	0.00	0.00		31.30	27.09	31.30	1.00	0.00	312.62
		3	0.00	0.00		31.80	25.99	31.80	1.00	0.00	315.35
		4	0.00	0.00		7.07	0.17	6.99	1.00	0.00	40.80
	Ecf	1	0.00	0.00		4.84			1.00	0.00	3.30
		2	0.00	0.00		5.50			1.00	0.00	13.91
		3	0.00	0.00		8.85			1.00	0.00	75.89
		4	0.00	0.00		9.43			1.00	0.00	85.44
		5	0.00	0.00		4.98			1.00	0.00	17.08
	Ef	1	0.00	0.00	✓	0.18			1.00	0.00	2.49
		2	0.00	0.00	✓	0.04			1.00	0.00	0.58
	Exp	1	0.00	0.00		5.01	0.31	1.65	1.00	0.00	9.09
		2	0.00	0.00		2.37	0.05	1.42	1.00	0.00	3.62
	F	1	0.00	0.00	✓	5.18	0.92	5.10	1.00	0.00	48.41
		2	0.00	0.00	✓	5.21	0.93	5.13	1.00	0.00	48.76
		3	0.00	0.00	✓	6.05	1.26	5.77	1.00	0.00	56.50
	Fc	1	0.00	0.00		55.95	26.46	36.96	1.00	0.00	374.05
		2	0.00	0.00		54.86	28.60	34.78	1.00	0.00	365.81
		3	0.00	0.00		22.53	1.39	10.66	1.00	0.00	69.39
	Ff	1	0.00	0.00	✓	0.07			1.00	0.00	0.96
		2	0.00	0.00	✓	0.02			1.00	0.00	0.23
	G	1	0.00	0.00	✓	4.53	0.20	4.53	1.00	0.00	44.39
		2	0.00	0.00	✓	4.87	0.17	4.33	1.00	0.00	50.90
	Gf	1	0.00	0.00	✓	2.33			1.00	0.00	0.15
		2	0.00	0.00	✓	2.33			1.00	0.00	0.14
	xA	1	0.00	0.00		23.16			1.00	0.00	81.94
		2	0.00	0.00		31.80			1.00	0.00	90.59
	xB	1	0.00	0.00		0.00			1.00	0.00	0.00
	xC	1	0.00	0.00		7.16			1.00	0.00	20.82
		2	0.00	0.00		7.12			1.00	0.00	19.54
	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		2.65	0.12	1.67	1.00	0.00	10.17
	E1	1	0.00	0.00	✓	4.38	0.43	4.30	1.00	0.00	38.11
		2	0.00	0.00		19.34	11.01	18.66	1.00	0.00	198.93
	Gf1	1	0.00	0.00	✓	0.31			1.00	0.00	0.70
	Cc2	2	0.00	0.00		15.38	1.66	8.26	1.00	0.00	64.47
		3	0.00	0.00		1.65	0.11	1.47	1.00	0.00	6.58
		4	0.00	0.00		9.53	0.50	8.13	1.00	0.00	49.84
		5	0.00	0.00		7.83	0.24	7.16	1.00	0.00	42.16
		6	0.00	0.00		28.13	20.29	28.11	1.00	0.00	293.55
	E2	3	0.00	0.00	✓	3.34	0.19	3.27	1.00	0.00	27.29
		4	0.00	0.00	✓	3.19	0.18	3.12	1.00	0.00	25.97
	TC5	2	0.00	0.00		3.25	0.36	3.25	1.00	0.00	12.70
		3	0.00	0.00		4.55	1.65	4.55	1.00	0.00	31.84
		4	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC9	1	0.00	0.00	✓	7.41	0.12	6.51	1.00	0.00	25.44
		2	0.00	0.00	✓	4.86	0.05	4.58	1.00	0.00	16.51
		3	0.00	0.00	✓	6.47	0.10	5.92	1.00	0.00	22.53
	TC35	1	0.00	0.00		1.54	0.09	1.51	1.00	0.00	5.00
	TC36	1	0.00	0.00	✓	0.01			1.00	0.00	0.13
	TC37	1	0.00	0.00	✓	0.16	0.00	0.16	1.00	0.00	0.31
	TC38	1	0.00	0.00		2.43			1.00	0.00	2.86
	TC39	2	0.00	0.00		0.20			1.00	0.00	2.89
		3	0.00	0.00		0.68			1.00	0.00	9.67
	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	✓	3.58	0.66	3.56	1.00	0.00	32.67
		2	0.00	0.00	✓	3.64	0.69	3.61	1.00	0.00	33.33
	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		0.81			1.00	0.00	11.51
	48	1	0.00	0.00	✓	1.18			1.00	0.00	16.75
	49	1	0.00	0.00	✓	0.04			1.00	0.00	0.58
		2	0.00	0.00	✓	0.13			1.00	0.00	1.86
	50	1	0.00	0.00		246.79			1.00	0.00	1466.29
	51	1	0.00	0.00	✓	0.21			1.00	0.00	2.94
	53	1	0.00	0.00	✓	0.38	0.01	0.38	1.00	0.00	2.72
	54	1	0.00	0.00	✓	0.44	0.01	0.44	1.00	0.00	3.19

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)
07:30-08:30	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	58	0.00	0.00	0.00	0.00
		2	0	0	11000	58	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	68	0.00	0.00	0.00	0.00
		2	0	0	11000	68	0.00	0.00	0.00	0.00
	5	1	0	0	11000	68	0.00	0.00	0.00	0.00
		2	0	0	11000	68	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	36	0.00	0.00	0.00	0.00
		2	0	0	11000	36	0.00	0.00	0.00	0.00
	8	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
	9	1	0	0	11000	24	0.00	0.00	0.00	0.00
		2	0	0	11000	24	0.00	0.00	0.00	0.00
	10	1	0	0	11000	36	0.00	0.00	0.00	0.00
		2	0	0	11000	36	0.00	0.00	0.00	0.00
	11	1	0	0	11000	60	0.00	0.00	0.00	0.00
		2	0	0	11000	60	0.00	0.00	0.00	0.00
	12	1	0	0	11000	58	0.00	0.00	0.00	0.00
		2	0	0	11000	58	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	99	0.00	0.00	0.00	0.00
		2	0	0	11000	99	0.00	0.00	0.00	0.00
	15	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
	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	8	0.00	0.00	0.00	0.00
		2	0	0	11000	8	0.00	0.00	0.00	0.00
	19	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
	20	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

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))
07:30-08:30	1	1	0	0	0		11000	917	0		Unrestricted	0.00	7
		2	0	0	0		11000	917	0		Unrestricted	0.00	7
	2	1	0	0	0		11000	5867	0		Unrestricted	0.00	58
		2	0	0	0		11000	5867	0		Unrestricted	0.00	58
	3	1	0	0	0		11000	1008	0		Unrestricted	0.00	8
		2	0	0	0		11000	1008	0		Unrestricted	0.00	8
	4	1	0	0	0		11000	6783	0		Unrestricted	0.00	68
		2	0	0	0		11000	6783	0		Unrestricted	0.00	68
	5	1	0	0	0		11000	6783	0		Unrestricted	0.00	68
		2	0	0	0		11000	6783	0		Unrestricted	0.00	68
	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	3575	0		Unrestricted	0.00	36
		2	0	0	0		11000	3575	0		Unrestricted	0.00	36
	8	1	0	0	0		0	0	0		-100	0.00	0
		2	0	0	0		0	0	0		-100	0.00	0
	9	1	0	0	0		11000	2750	0		Unrestricted	0.00	24
		2	0	0	0		11000	2750	0		Unrestricted	0.00	24
	10	1	0	0	0		11000	3850	0		Unrestricted	0.00	36
		2	0	0	0		11000	3850	0		Unrestricted	0.00	36
	11	1	0	0	0		11000	6050	0		Unrestricted	0.00	60
		2	0	0	0		11000	6050	0		Unrestricted	0.00	60
	12	1	0	0	0		11000	5867	0		Unrestricted	0.00	58
		2	0	0	0		11000	5867	0		Unrestricted	0.00	58
	13	1	0	0	0		11000	1283	0		Unrestricted	0.00	11
		2	0	0	0		11000	1283	0		Unrestricted	0.00	11
	14	1	0	0	0		11000	9350	0		Unrestricted	0.00	99
		2	0	0	0		11000	9350	0		Unrestricted	0.00	99
	15	1	0	0	0		11000	1283	0		Unrestricted	0.00	11
		2	0	0	0		11000	1283	0		Unrestricted	0.00	11
	16	1	0	0	0		11000	1100	0		Unrestricted	0.00	9
		2	0	0	0		11000	1100	0		Unrestricted	0.00	9
	17	1	0	0	0		11000	733	0		Unrestricted	0.00	5
		2	0	0	0		11000	733	0		Unrestricted	0.00	5
	18	1	0	0	0		11000	1008	0		Unrestricted	0.00	8
		2	0	0	0		11000	1008	0		Unrestricted	0.00	8
	19	1	0	0	0		11000	1008	0		Unrestricted	0.00	8
		2	0	0	0		11000	1008	0		Unrestricted	0.00	8
	20	1	0	0	0		11000	1100	0		Unrestricted	0.00	9
		2	0	0	0		11000	1100	0		Unrestricted	0.00	9

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)
07:30-08:30	(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)
07:30-08:30	(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)
07:30-08:30	(ALL)	(ALL)	0.00	0.00	0.00	1.00	0.00	0.00

Network Results

Run Summary

Analysis set used	Run start time	Run finish time	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Ite wit wor over PR
1	16/07/2021 10:41:14	16/07/2021 10:41:26	07:30	120	8420.96	528.00	111.44	50/1	15	9	TC42/1	50/1	TC4

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)
07:30-08:30	111	-100	78541	9995	24.20	7497.56	923.40	8420.96

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)
07:30-08:30	0	0	1166	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))
07:30-08:30	78541	78260	2213	✓	111	✓	-100	11161

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)
07:30-08:30	8.67	24.20	528.00	7497.56	51.56	39879.37	923.40

Network Results: Queues and blocking

Time Segment	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))
07:30-08:30	1822.48	0.00	2740.75

Network Results: Advanced

Time Segment	Degree of saturation penalty (£ per hr)	Ped gap accepting penalty (£ per hr)	Warmed up	PCU Factor	Cost of traffic penalties (£ per hr)	Controller stream penalties (£ per hr)	Performance Index (£ per hr)
07:30-08:30	0.00	0.00		1.00	0.00	0.00	8420.96

Point to Point Journey Time

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	0.0	310.2	306.5	428.9	339.5	619.8	898.1	0.0
	B28	343.5	0.0	92.5	125.9	122.7	313.8	418.3	0.0
	C28	175.2	171.9	0.0	288.3	276.1	513.0	395.6	0.0
	D28	130.8	172.8	182.3	0.0	201.5	108.8	118.4	0.0
	E28	178.0	136.6	225.8	59.1	0.0	164.2	173.2	0.0
	F28	119.2	156.0	163.3	208.9	186.6	0.0	25.4	0.0
	G28	79.3	126.6	131.1	162.4	157.6	347.7	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	81	277.63	81	277.63
36	C28	E28	81	277.26	81	277.26
41	E28	A28	466	178.04	466	178.04
49	C28	D28	346	288.27	346	288.27
50	E28	D28	51	59.09	51	59.09
68	E28	G28	168	172.39	168	172.39
81	G28	B28	65	126.30	65	126.30
82	G28	B28	65	126.23	65	126.23
83	G28	B28	4	136.98	4	136.98
84	G28	B28	0	0.00	0	0.00
85	D28	B28	105	172.80	105	172.80
86	D28	B28	105	172.72	105	172.72
87	D28	B28	0	0.00	0	0.00
88	D28	B28	0	0.00	0	0.00
89	H28	B28	0	0.00	0	0.00
90	H28	B28	0	0.00	0	0.00
91	C28	F28	59	513.03	59	513.03
92	E28	F28	50	164.22	50	164.22
100	E28	B28	230	136.37	230	136.37
102	A28	C28	348	306.87	348	306.87
104	C28	G28	370	520.96	370	520.96
107	A28	B28	24	310.14	24	310.14
109	C28	G28	488	260.67	488	260.67
110	E28	G28	22	179.40	22	179.40
111	H28	H28	0	0.00	0	0.00
112	F28	G28	40	25.35	40	25.35
113	F28	A28	72	119.24	72	119.24
114	C28	H28	0	0.00	0	0.00
115	B28	C28	9	90.76	9	90.76
116	G28	F28	98	347.52	98	347.52
117	G28	G28	0	0.00	0	0.00
120	G28	G28	0	0.00	0	0.00
121	G28	F28	2	355.05	2	355.05
122	G28	G28	0	0.00	0	0.00
125	H28	A28	0	0.00	0	0.00
128	H28	F28	0	0.00	0	0.00
129	H28	H28	0	0.00	0	0.00
132	F28	F28	0	0.00	0	0.00
133	F28	H28	0	0.00	0	0.00
137	H28	G28	0	0.00	0	0.00
138	H28	G28	0	0.00	0	0.00
140	G28	C28	0	0.00	0	0.00
141	G28	C28	6	138.51	6	138.51
142	C28	H28	0	0.00	0	0.00
143	E28	H28	0	0.00	0	0.00
144	C28	C28	0	0.00	0	0.00
145	C28	C28	0	0.00	0	0.00
146	B28	E28	386	121.69	386	121.69
147	A28	G28	511	1051.98	511	1051.98
148	A28	H28	0	0.00	0	0.00
149	A28	A28	0	0.00	0	0.00
150	E28	B28	241	136.77	241	136.77
151	D28	C28	0	0.00	0	0.00
152	D28	C28	0	0.00	0	0.00
153	H28	C28	0	0.00	0	0.00
154	E28	A28	8	173.53	8	173.53
155	C28	B28	0	0.00	0	0.00
156	H28	D28	0	0.00	0	0.00

157	C28	G28	0	0.00	0	0.00
158	F28	D28	68	208.91	68	208.91
159	F28	E28	5	186.29	5	186.29
160	F28	E28	5	186.89	5	186.89
163	C28	G28	0	0.00	0	0.00
164	C28	H28	0	0.00	0	0.00
166	B28	C28	82	92.68	82	92.68
168	G28	A28	330	79.25	330	79.25
169	C28	E28	2	170.83	2	170.83
170	C28	D28	0	0.00	0	0.00
171	G28	H28	0	0.00	0	0.00
182	B28	G28	0	0.00	0	0.00
183	B28	H28	0	0.00	0	0.00
185	A28	B28	24	310.22	24	310.22
186	A28	C28	25	301.56	25	301.56
192	B28	D28	266	125.95	266	125.95
193	B28	E28	194	124.68	194	124.68
195	D28	G28	142	116.77	142	116.77
196	D28	F28	148	108.84	148	108.84
198	D28	A28	3	130.83	3	130.83
234	C28	G28	150	525.91	150	525.91
235	E28	G28	0	0.00	0	0.00
236	E28	H28	0	0.00	0	0.00
255	C28	A28	3	274.99	3	274.99
291	C28	A28	558	174.70	558	174.70
294	C28	B28	18	172.22	18	172.22
295	C28	B28	18	171.58	18	171.58
296	D28	G28	78	121.33	78	121.33
297	D28	H28	0	0.00	0	0.00
303	B28	G28	335	456.90	335	456.90
304	B28	H28	0	0.00	0	0.00
305	B28	A28	0	0.00	0	0.00
306	B28	A28	35	343.47	35	343.47
307	B28	B28	0	0.00	0	0.00
308	B28	B28	0	0.00	0	0.00
318	B28	G28	134	321.78	134	321.78
319	B28	F28	49	313.84	49	313.84
341	A28	A28	0	0.00	0	0.00
353	A28	G28	291	627.90	291	627.90
354	A28	F28	165	619.84	165	619.84
355	A28	G28	0	0.00	0	0.00
356	A28	H28	0	0.00	0	0.00
396	G28	A28	0	0.00	0	0.00
410	C28	A28	0	0.00	0	0.00
413	C28	B28	0	0.00	0	0.00
414	C28	H28	0	0.00	0	0.00
415	C28	A28	0	0.00	0	0.00
417	C28	G28	12	389.12	12	389.12
418	C28	F28	0	0.00	0	0.00
422	C28	E28	0	0.00	0	0.00
423	F28	B28	8	156.03	8	156.03
424	F28	B28	8	155.96	8	155.96
429	G28	G28	0	0.00	0	0.00
430	G28	G28	0	0.00	0	0.00
431	F28	H28	0	0.00	0	0.00
434	G28	G28	0	0.00	0	0.00
439	C28	C28	0	0.00	0	0.00
440	C28	C28	0	0.00	0	0.00

441	C28	C28	0	0.00	0	0.00
442	C28	C28	0	0.00	0	0.00
443	E28	C28	4	217.39	4	217.39
444	E28	C28	0	0.00	0	0.00
445	E28	C28	0	0.00	0	0.00
446	F28	C28	5	156.33	5	156.33
457	A28	E28	374	323.17	374	323.17
462	G28	D28	118	162.43	118	162.43
463	G28	E28	103	157.83	103	157.83
464	G28	D28	0	0.00	0	0.00
465	G28	E28	0	0.00	0	0.00
466	A28	D28	2	428.90	2	428.90
467	A28	E28	69	428.34	69	428.34
468	E28	E28	0	0.00	0	0.00
469	D28	D28	0	0.00	0	0.00
470	D28	E28	24	200.67	24	200.67
471	H28	E28	0	0.00	0	0.00
472	G28	C28	0	0.00	0	0.00
473	G28	E28	103	157.29	103	157.29
474	G28	C28	0	0.00	0	0.00
475	G28	E28	0	0.00	0	0.00
476	C28	C28	0	0.00	0	0.00
477	C28	C28	0	0.00	0	0.00
478	E28	C28	36	224.73	36	224.73
479	E28	E28	0	0.00	0	0.00
480	D28	C28	131	180.54	131	180.54
481	D28	E28	24	202.33	24	202.33
482	H28	C28	0	0.00	0	0.00
483	H28	E28	0	0.00	0	0.00
484	F28	C28	8	169.36	8	169.36
485	G28	C28	333	130.94	333	130.94
486	G28	C28	0	0.00	0	0.00
487	C28	C28	0	0.00	0	0.00
488	C28	C28	0	0.00	0	0.00
489	E28	C28	36	227.70	36	227.70
490	D28	C28	131	184.02	131	184.02
491	H28	C28	0	0.00	0	0.00
492	F28	C28	8	161.77	8	161.77

Final Prediction Table

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES
Arm	Traffic Stream	Name	Traffic node	Controller stream	Phase	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Wasted time total (s (per cycle))	Degree of saturation (%)	Practical reserve capacity (%)	JourneyTime (s)	Mean Delay per Veh (s)	Mean stops per Veh (%)	Mean max queue (PCU)
A	1	(untitled)	6	771-2	E	402	2050	38	14.00	59	53	29.55	24.28	89.63	7.38
	2	(untitled)	6	771-2	E	161	2050	38	18.00	24	282	23.53	18.09	70.46	2.55
	3	(untitled)	6	771-2	E	341	2050	38	18.00	50	80	31.48	25.92	87.91	6.59
	4	(untitled)	6	771-2	E	510	2050	38	10.00	75	21	40.96	35.27	104.71	9.77
Ac	1	(untitled)	6	771-2	D	1073 <	2263	60	1.00	92	-2	29.21	22.47	55.55	16.40 +
	2	(untitled)	6	771-2	D	214	2263	60	42.56	18	387	15.97	7.06	53.76	3.81
	3	(untitled)	6	771-2	D	382	2263	60	18.00	33	176	13.05	6.86	46.52	5.74
Acf	1	(untitled)	6			1287	2263	120	33.02	57	58	6.40	1.05	0.89	2.69
	2	(untitled)	6			382	2263	120	67.00	17	433	7.54	0.16	0.00	0.02
	1	(untitled)	6			563	2050	120	36.00	27	228	6.91	0.33	0.00	0.05

Af	**2**	(untitled)	6			341	2050	120	40.00	17	441	6.72	0.18	0.00	0.02
	3	(untitled)	6			510	2050	120	36.00	25	262	6.85	0.29	0.00	0.04
B	**1**	(untitled)	1	769-1	B	355	2050	38	0.00	52	73	24.32	17.22	70.00	4.24
	2	(untitled)	1	769-1	B	358	2150	38	0.35	50	79	24.18	16.89	69.55	4.25
	3	(untitled)	1	769-1	B	473	2100	38	12.00	68	33	40.59	33.12	108.71	8.70
	4	(untitled)	1	769-1	B	458 <	2050	38	13.18	100	-10	192.77	180.48	281.39	27.66 +
Bc	**1**	(untitled)	1	769-1	A	375	2050	58	31.00	37	146	20.92	10.94	58.59	7.54
	2	(untitled)	1	769-1	A	508	2050	58	24.59	52	74	21.35	11.47	65.19	12.21
	3	(untitled)	1	769-1	A	725	2050	58	14.00	71	27	22.19	12.41	57.05	19.40
Bcf	**1**	(untitled)	1			1475	2263	120	33.00	65	38	5.99	1.48	0.00	0.61
	2	(untitled)	1			375	2263	120	78.00	17	443	5.73	0.16	0.00	0.02
	3	(untitled)	1			508	2263	120	54.00	22	301	6.41	0.23	0.00	0.03
	4	(untitled)	1			725	2263	120	46.09	32	181	6.65	0.38	0.31	2.05
Bf	**1**	(untitled)	1			713	1800	120	0.00	40	127	27.99	0.66	0.00	0.13
	2	(untitled)	1			931 <	1800	120	54.93	95	-6	119.46	92.04	266.84	46.24 +
C	**1**	(untitled)	2	769-2	G	477	2100	34	0.00	76	19	42.32	27.79	97.68	7.81
	2	(untitled)	2	769-2	G	460	2200	34	1.00	72	26	40.49	25.81	94.71	7.29
	3	(untitled)	2	769-2	G	553	2050	34	0.00	90	0	58.30	43.38	123.05	11.66
Cf	**1**	(untitled)	2			477	1965	120	0.00	24	271	17.65	0.29	0.00	0.04
	2	(untitled)	2			1013	1965	120	0.00	52	75	18.48	0.97	0.00	0.27
D	**1**	(untitled)	3	770-1	B	466	2050	34	4.00	76	19	37.59	33.46	102.44	8.51
	2	(untitled)	3	770-1	B	541 <	1850	34	0.89	100	-10	113.33	109.20	150.80	20.39 +
	3	(untitled)	3	770-1	B	491	2250	34	4.41	74	22	30.26	26.00	94.92	8.28
	4	(untitled)	3	770-1	B	594 <	2250	34	3.00	88	2	42.30	37.76	112.99	11.74 +
Dc	**1**	(untitled)	3	770-1	A	854	2100	66	1.06	72	25	15.60	11.83	52.08	7.50
	2	(untitled)	3	770-1	A	842	2100	66	4.20	73	23	17.22	13.59	57.29	7.91
	3	(untitled)	3	770-1	A	693 <	2100	66	25.38	91	-1	33.46	29.98	90.39	10.29 +
	4	(untitled)	3	770-1	A	828 <	2100	66	20.68	100	-10	82.11	78.78	103.80	20.86 +
Dcf	**1**	(untitled)	3			918	2050	120	34.00	45	101	5.66	0.71	0.00	0.18
	2	(untitled)	3			206	2100	120	80.00	10	816	5.04	0.09	0.04	0.01
	3	(untitled)	3			854	2100	120	35.57	44	106	6.85	1.87	18.30	7.19
	4	(untitled)	3			842	2100	120	53.43	57	58	8.46	3.47	19.61	5.02
	5	(untitled)	3			692	2100	120	49.90	39	130	7.66	2.64	20.63	4.81
	6	(untitled)	3			828 <	2100	120	72.68	100	-10	89.72	84.68	122.71	25.18 +
Df	**1**	(untitled)	3-2	11	B	1087 <	1900	103	41.26	109	-18	213.10	189.10	210.16	82.76 +
	2	(untitled)	3-2	11	B	1085	2250	103	2.60	57	58	27.33	3.33	25.77	9.42
Dxp	**1**	(untitled)	3-2	770-2	D	953	2050	101	20.00	55	65	5.13	1.64	5.09	1.76
	2	(untitled)	3-2	770-2	D	209	2050	101	50.00	12	650	4.01	0.36	2.25	0.17
Ec	**1**	(untitled)	4	770-3	F	770	2150	70	6.00	60	51	14.78	11.03	56.95	7.24
	2	(untitled)	4	770-3	F	1234 <	2263	70	6.56	100	-10	61.83	58.20	74.04	24.03 +
	3	(untitled)	4	770-3	F	1284 <	2263	70	3.91	100	-10	60.02	56.51	70.68	24.38 +
	4	(untitled)	4	770-3	F	593	2250	70	24.00	44	105	15.02	11.64	71.34	7.07
Ecf	**1**	(untitled)	4			930	2100	120	21.48	44	102	4.19	0.74	1.92	4.84
	2	(untitled)	4			1232	2100	120	25.91	62	46	5.37	1.89	11.93	5.50
	3	(untitled)	4			1234 <	2263	120	50.23	83	8	15.56	12.04	43.58	8.83 +
	4	(untitled)	4			1284 <	2300	120	50.23	86	4	16.84	13.27	44.17	9.39 +
	5	(untitled)	4			629	2300	120	65.76	36	153	7.86	4.21	32.81	4.98
Ef	**1**	(untitled)	4			841	1900	120	0.00	44	103	16.06	0.75	0.00	0.18
	2	(untitled)	4			471	1900	120	0.00	25	263	15.62	0.31	0.00	0.04
Exp	**1**	(untitled)	4-2	770-4	L	930	2050	100	17.00	54	67	5.68	1.80	8.38	5.01
	2	(untitled)	4-2	770-4	L	462	2050	100	18.00	27	236	5.26	1.23	9.25	2.37
F	**1**	(untitled)	5	771-1	B	290	2100	21	0.00	72	25	40.40	34.02	102.00	5.17
	2	(untitled)	5	771-1	B	291	2100	21	0.00	72	24	40.59	34.16	102.20	5.20
	3	(untitled)	5	771-1	B	310	2100	21	0.00	77	17	43.97	37.43	107.85	6.03
Fc	**1**	(untitled)	5	771-1	A	1452 <	2263	75	0.00	100	-10	78.33	59.50	137.57	48.06 +
	2	(untitled)	5	771-1	A	1318 <	2263	75	7.11	100	-10	82.41	63.97	148.26	47.30 +
	3	(untitled)	5	771-1	A	1130	2263	75	14.33	78	15	30.85	11.76	95.19	22.52

Ff	**1**	(untitled)	5			581	1900	120	0.00	31	194	33.50	0.42	0.00	0.07
	2	(untitled)	5			310	1900	120	0.00	16	452	33.23	0.18	0.00	0.02
G	**1**	(untitled)	2	769-2	F	259	2050	32	17.17	46	95	54.86	38.80	107.57	4.53
	2	(untitled)	2	769-2	F	248	2050	32	19.02	44	104	54.88	43.44	105.59	4.87
Gf	**1**	(untitled)	4			241	2050	120	90.03	12	665	3.04	0.12	0.44	2.33
	2	(untitled)	4			230	2050	120	90.03	11	702	3.00	0.12	0.43	2.33
xA	**1**	(untitled)	10			1605	2263	120	29.37	83	9	27.09	9.76	39.08	23.14
	2	(untitled)	10			1518	2263	120	32.00	80	12	28.95	11.56	43.80	31.78
xB	**1**	(untitled)				1475	Unrestricted	120	8.00	0	Unrestricted	5.79	0.00	0.00	0.00
xC	**1**	(untitled)				463	1900	120	86.21	44	106	15.30	6.63	58.71	7.16
	2	(untitled)				448	1900	120	88.63	42	115	15.03	6.33	58.20	7.12
xD	**1**	(untitled)				953	Unrestricted	120	14.00	0	Unrestricted	9.13	0.00	0.00	0.00
	2	(untitled)				209	Unrestricted	120	52.00	0	Unrestricted	9.21	0.00	0.00	0.00
xE	**1**	(untitled)				930	Unrestricted	120	13.00	0	Unrestricted	13.04	0.00	0.00	0.00
	2	(untitled)				462	Unrestricted	120	14.00	0	Unrestricted	13.04	0.00	0.00	0.00
xF	**1**	(untitled)				821	Unrestricted	120	4.00	0	Unrestricted	12.19	0.00	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	403	2050	60	30.00	38	136	11.19	4.57	18.69	2.65
E1	**1**	(untitled)	4	770-3	G	303	2050	28	0.00	59	52	30.84	24.84	86.54	4.38
	2	(untitled)	4	770-3	G	538 <	2200	28	0.00	98	-8	88.73	82.73	135.42	16.86 +
Gf1	**1**	(untitled)	4			36	676	120	87.00	5	1591	5.49	1.90	37.15	0.31
Cc2	**2**	(untitled)	2	769-2	D	836	2150	58	12.19	81	12	26.41	16.57	72.79	15.36
	3	(untitled)	2	769-2	D	382	2050	58	17.00	37	142	13.88	3.62	20.89	1.65
	4	(untitled)	2	769-2	D	665	2150	58	3.00	62	45	24.87	15.47	78.25	9.53
	5	(untitled)	2	769-2	D	509	2050	58	10.00	50	81	24.94	16.47	87.60	7.83
	6	(untitled)	2	769-2	D	458 <	2050	58	33.18	100	-10	156.52	148.61	244.28	23.69 +
E2	**3**	(untitled)	4	770-3	H	241	2150	28	0.47	46	98	25.95	21.96	82.98	3.34
	4	(untitled)	4	770-3	H	230	2050	28	0.00	45	101	25.94	21.87	82.99	3.19
TC5	**2**	(untitled)	TC771-6	TC777-1	A	1056	2263	98	12.00	56	61	5.52	2.76	9.24	3.25
	3	(untitled)	TC771-6	TC777-1	A	1518 <	2263	98	12.00	80	12	7.80	5.03	8.94	4.54 +
	4	(untitled)	TC771-6	TC777-1	C	0	1800	11	12.00	0	Unrestricted	0.00	0.00	0.00	0.00
TC9	**1**	(untitled)	TC771-6	TC777-1	B	460	1925	71	0.00	39	132	23.55	12.55	46.47	7.41
	2	(untitled)	TC771-6	TC777-1	B	333	1966	71	0.00	27	228	22.23	11.18	43.78	4.86
	3	(untitled)	TC771-6	TC777-1	B	422	1947	71	0.00	35	156	23.19	12.07	46.00	6.47
TC35	**1**	(untitled)	TC771-6	TC777-1	A	549	1900	98	13.00	35	159	4.92	2.02	9.11	1.54
TC36	**1**	(untitled)	TC771-6			227	1800	120	0.00	13	614	3.17	0.14	0.00	0.01
TC37	**1**	(untitled)	TC771-6	TC777-2	J	40	1850	105	105.00	2	3577	4.09	0.90	11.69	0.16
TC38	**1**	(untitled)	TC771-6			40	228	120	49.00	18	412	13.86	12.32	65.42	2.43
TC39	**2**	(untitled)	TC771-6			1056	2263	120	32.00	47	93	3.23	0.69	0.00	0.20
	3	(untitled)	TC771-6			1518	2263	120	32.00	67	34	4.01	1.61	0.00	0.68
TC40	**2**	(untitled)	TC771-6			1096	Unrestricted	120	13.00	0	Unrestricted	4.23	0.00	0.00	0.00
	3	(untitled)	TC771-6			1518	Unrestricted	120	18.00	0	Unrestricted	4.02	0.00	0.00	0.00
TC41	**1**	(untitled)	TC771-6	TC777-1	D	93	1850	8	0.00	67	34	82.94	79.01	113.91	3.56
	2	(untitled)	TC771-6	TC777-1	D	94	1850	8	0.00	68	33	83.76	79.80	114.48	3.62
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	120	120.00	0	Unrestricted	0.00	0.00	0.00	0.00
47	**1**	(untitled)	2			910	1300	120	33.00	70	29	19.24	3.21	0.00	0.81

48	1	(untitled)	2			1490	1965	120	0.00	76	19	9.46	2.85	0.00	1.18
49	1	(untitled)	TC771-6			472	1900	120	0.00	25	262	3.46	0.31	0.00	0.04
	2	(untitled)	TC771-6			755	1900	120	0.00	40	126	3.77	0.62	0.00	0.13
50	1	(untitled)	1			1833 <	1900	120	16.12	111	-19	202.26	196.49	221.40	152.60 +
51	1	(untitled)	4-2			891	1900	120	0.00	47	92	5.33	0.84	0.00	0.21
53	1		TC771-6	TC777-1	J	12	1800	7	7.00	10	800	65.32	54.40	93.73	0.38
54	1		3-2	11	A	14	1800	7	7.00	12	671	78.71	54.71	93.99	0.44

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	58	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	3	770-1	C	0	11000	58	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	68	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	J	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
5	1	(untitled)	4	770-3	I	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	4	770-3	I	0	11000	68	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	36	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	5	771-1	C	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	
8	1	(untitled)	1	769-1	C	0	0	0	0	-100	0.00	0.00	0.00	100	
	2	(untitled)	1	769-1	C	0	0	0	0	-100	0.00	0.00	0.00	100	
9	1	(untitled)	2	769-2	J	0	11000	24	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	J	0	11000	24	0	Unrestricted	0.00	0.00	0.00	100	
10	1	(untitled)	2	769-2	K	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	K	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	
11	1	(untitled)		769-2	H	0	11000	60	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		769-2	H	0	11000	60	0	Unrestricted	0.00	0.00	0.00	100	
12	1	(untitled)	2	769-2	I	0	11000	58	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	I	0	11000	58	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	99	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	F	0	11000	99	0	Unrestricted	0.00	0.00	0.00	100	
15	1	(untitled)		TC777-1	G	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	G	0	11000	11	0	Unrestricted	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)	771-2	771-2	F	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	771-2	771-2	F	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
19	1	(untitled)	771-2	771-2	A	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	771-2	771-2	A	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
20	1	(untitled)	771-1	771-1	D	0	11000	9	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	771-1	771-1	D	0	11000	9	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	7294.28	717.08	10.17	528.00	7497.56	923.40	0.00	8420.96
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	7294.28	717.08	10.17	528.00	7497.56	923.40	0.00	8420.96

- *< = 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***