TRANSYT 15

Filename: M62 JN 28 CRF Scheme_Mar 20- Scenario 1.t15
Path: Z:\Projects\10127ITM Capitol Park, Leeds F2 (F1A)\Tech\Transyt\TRANSYT - AGREED HE_LCC BASE MODEL (MARCH 2020)\Post-Submission Work\2033 Sensitivity Test
Report generation date: 19/07/2021 19:51:43

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 - AM Base
D1 - AM 2033*

Summary

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Traffic Stream Data	Arm Bf - Traffic Stream 1	Arm Bf - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm Bf - Traffic Stream 2	Arm Bf - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm Ff - Traffic Stream 1	Arm Ff - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm Ff - Traffic Stream 2	Arm Ff - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm xA - Traffic Stream 1	Arm xA - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm xA - Traffic Stream 2	Arm xA - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm TC38 - Traffic Stream 1	Traffic Stream 1: CTM uses a whole number of cells. CTM is using the length adjusted by 30%.
Warning	Traffic Stream Signals	Arm 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	19/07/2021 19:48:53	19/07/2021 19:49:03	07:30	120	6293.39	391.83	106.72	Df/1	11	7	TC42/1	Df/1	TC4

Analysis Set Details

Name	Description	Demand set	Include in report	Locked
AM Base		D1	✓	

Demand Set Details

Name	Description	Composite	Demand sets	Start time (HH:mm)	Locked
AM 2033				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
			✓

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
				✓				Do nothing

Economics

Vehicle Monetary Value Of Delay (£ per PCU-hr)	Vehicle Monetary Value Of Stops (£ per 100 stops)	Pedestrian monetary value of delay (£ per Ped-hr)
14.20	2.60	14.20

Traffic Nodes

Traffic Nodes

Traffic node	Name	Description
(ALL)	(untitled)	

Arms and Traffic Streams

Arms

Arm	Name	Description	Traffic node
A	Dewsbury Rd SB		6
Ac	(untitled)		6
Acf	(untitled)		6
Af	Dewsbury Rd SB		6
B	M62 WB off slip		1
Bc	(untitled)		1
Bcf	(untitled)		1
Bf	M62 WB off slip		1
C	Bradford Rd WB		2
Cf	Bradford Rd WB		2
D	Dewsbury Rd NB		3
Dc	(untitled)		3
Dcf	(untitled)		3
Df	Dewsbury Rd NB		3-2
Dxp	Dewsbury Rd exit SB (ped)		3-2
Ec	(untitled)		4
Ecf	(untitled)		4
Ef	Bradford Rd EB		4
Exp	Bradford Rd exit WB (ped)		4-2
F	M62 EB off slip		5
Fc	(untitled)		5
Ff	M62 EB off slip		5
G	(untitled)		2
Gf	(untitled)		4
xA	Dewsbury Rd exit NB		10
xB	M62 EB on slip		
xC	(untitled)		
xD	Dewsbury Rd exit SB		
xE	Bradford Rd exit WB		
xF	M62 WB on slip		
Cc1	(untitled)		2
E1	Bradford Rd EB (left)		4
Gf1	(untitled)		4
Cc2	(untitled)		2
E2	Bradford Rd EB (ahead)		4
TC5	(untitled)		TC771-6
TC9	(untitled)		TC771-6
TC35	(untitled)		TC771-6
TC36	(untitled)		TC771-6
TC37	(untitled)		TC771-6
TC38	(untitled)		TC771-6
TC39	(untitled)		TC771-6
TC40	(untitled)		TC771-6
TC41	(untitled)		TC771-6
TC42	(untitled)		TC771-6
TC43	(untitled)		
47	(untitled)		2
48	(untitled)		2
49	(untitled)		TC771-6
50	(untitled)		1
51	(untitled)		4-2

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto length	Length (m)	Has Saturation Flow	Saturation flow source	Saturation flow (PCU/hr)	Auto-calculate cell saturation flow	Cell saturation flow (PCU/hr)	Is signal controlled	Is give way	Traffic type	Allow Nearside Turn On Red
A	1	(untitled)	M62E	✓	74.52	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.88	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.61	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.35	✓	Directly entered	2050		2050	✓		Normal	
Ac	1	(untitled)	M62E	✓	95.80	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Wake	✓	92.34	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.95	✓	Directly entered	2263		2263	✓		Normal	
Acf	1	(untitled)		✓	69.59	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	70.42	✓	Directly entered	2263		2263			Normal	
Af	1	(untitled)	M62E/Wake	✓	53.54	✓	Directly entered	2050		2050			Normal	
	2	(untitled)	Dews	✓	53.19	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	53.01	✓	Directly entered	2050		2050			Normal	
B	1	(untitled)	Wake/Dews	✓	94.67	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Brad	✓	97.18	✓	Directly entered	2150		2150	✓		Normal	
	3	(untitled)	Leeds	✓	99.69	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)		✓	102.42	✓	Directly entered	2050		2050	✓		Normal	
Bc	1	(untitled)	Wake	✓	132.85	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Dews	✓	131.47	✓	Directly entered	2050		2263	✓		Normal	
	3	(untitled)	Brad/M62W	✓	130.10	✓	Directly entered	2050		2050	✓		Normal	
Bcf	1	(untitled)		✓	62.67	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	63.14	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.35	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.25	✓	Directly entered	2263		2050			Normal	
Bf	1	(untitled)		✓	227.81	✓	Sum of lanes	1800		1600			Normal	
	2	(untitled)		✓	228.44	✓	Sum of lanes	1800		1700			Normal	
C	1	(untitled)	Dews/Brad	✓	121.13	✓	Directly entered	2100		2050	✓		Normal	
	2	(untitled)	M62W/Brad/Leeds	✓	122.36	✓	Directly entered	2200		2100	✓		Normal	
	3	(untitled)	Leeds/M62E	✓	124.35	✓	Directly entered	2050		1900	✓		Normal	
Cf	1	(untitled)		✓	144.60	✓	Sum of lanes	1965		1965			Normal	
	2	(untitled)		✓	145.86	✓	Sum of lanes	1965		1965			Normal	
D	1	(untitled)	Brad/M62		55.00	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Leeds		55.00	✓	Directly entered	1850		2075	✓		Normal	

	3	(untitled)	Leeds/M62/Wake	✓	52.87	✓	Directly entered	2250		2250	✓		Normal	
Dc	1	(untitled)	Brad	✓	50.67	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	46.78	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	44.83	✓	Directly entered	2100		2100	✓		Normal	
Dcf	1	(untitled)		✓	65.95	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	65.92	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	68.61	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	66.73	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	66.90	✓	Directly entered	2100		2100			Normal	
Df	1	(untitled)			200.00	✓	Sum of lanes	1900					Normal	
	2	(untitled)			200.00	✓	Directly entered	2250					Normal	
Dxp	1	(untitled)		✓	46.62	✓	Directly entered	2050			✓		Normal	
	2	(untitled)		✓	48.64	✓	Directly entered	2050			✓		Normal	
Ec	1	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal	
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)	M62E	✓	45.93	✓	Directly entered	2250		2250	✓		Normal	
Ecf	1	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal	
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	46.93	✓	Directly entered	2263		2263			Normal	
	4	(untitled)		✓	50.37	✓	Directly entered	2300		2300			Normal	
Ef	1	(untitled)		✓	127.54	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal	
Exp	1	(untitled)		✓	51.83	✓	Directly entered	2050		2100	✓		Normal	
	2	(untitled)		✓	53.71	✓	Directly entered	2050		2100	✓		Normal	
F	1	(untitled)	Leeds	✓	85.13	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.25	✓	Directly entered	2100		2100	✓		Normal	
Fc	1	(untitled)	Leeds	✓	183.21	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Leeds	✓	181.45	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	M62E/Dews	✓	180.28	✓	Directly entered	2263		2263	✓		Normal	
Ff	1	(untitled)		✓	275.73	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	275.39	✓	Sum of lanes	1900		1900			Normal	

G	1	(untitled)		✓	156.15	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)		✓	152.60	✓	Directly entered	2050		2050	✓		Normal	
Gf	1	(untitled)		✓	38.89	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	38.45	✓	Directly entered	2050		2050			Normal	
xA	1	(untitled)		✓	229.66	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	229.97	✓	Directly entered	2263		2263			Normal	
xB	1	(untitled)		✓	77.15								Normal	
xC	1	(untitled)		✓	115.60	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	115.98	✓	Sum of lanes	1900		1900			Normal	
xD	1	(untitled)		✓	121.71								Normal	
	2	(untitled)		✓	122.74								Normal	
xE	1	(untitled)		✓	173.89								Normal	
	2	(untitled)		✓	173.83								Normal	
xF	1	(untitled)		✓	162.53								Normal	
Cc1	1	(untitled)	Wake	✓	95.84	✓	Directly entered	2050		2050	✓		Normal	
E1	1	(untitled)	M62W/Leeds		80.00	✓	Directly entered	2050		1900	✓		Normal	
	2	(untitled)	Leeds/M62E		80.00	✓	Directly entered	2200		2100	✓		Normal	
Gf1	1	(untitled)		✓	49.26							✓	Normal	
Cc2	2	(untitled)	Dews	✓	91.58	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	89.25	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	88.96	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	88.65	✓	Directly entered	2050		2050	✓		Normal	
E2	3	(untitled)	Wake	✓	53.28	✓	Directly entered	2150		2050	✓		Normal	
	4	(untitled)	Wake	✓	54.33	✓	Directly entered	2050		2050	✓		Normal	
TC5	2	(untitled)		✓	23.03	✓	Sum of lanes	2263		2263	✓		Normal	
	3	(untitled)		✓	23.02	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)		✓	24.43	✓	Sum of lanes	1800		2263	✓		Normal	
TC9	1	(untitled)		✓	91.71	✓	Directly entered	1925		1925	✓		Normal	
	2	(untitled)		✓	92.11	✓	Sum of lanes	1966		1966	✓		Normal	
	3	(untitled)		✓	92.69	✓	Sum of lanes	1947		1947	✓		Normal	
TC35	1	(untitled)		✓	24.16	✓	Directly entered	1900		2263	✓		Normal	
TC36	1	(untitled)		✓	25.22	✓	Sum of lanes	1800					Normal	
TC37	1	(untitled)		✓	44.32	✓	Directly entered	1850		1850	✓		Normal	
TC38	1	(untitled)		✓	21.32	✓	Directly entered	1850		1850		✓	Normal	
TC39	2	(untitled)		✓	35.24	✓	Directly entered	2263		2263			Normal	
	3	(untitled)		✓	33.28	✓	Directly entered	2263		2263			Normal	
TC40	2	(untitled)		✓	58.74								Normal	
	3	(untitled)		✓	55.82								Normal	

TC41	**1**	(untitled)		✓	54.63	✓	Directly entered	1850		1850	✓		Normal	
TC42	**1**	(untitled)		✓	23.35	✓	Sum of lanes	1771			✓		Normal	
TC43	**1**	(untitled)		✓	51.77	✓	Sum of lanes	1800					Normal	
47	**1**	(untitled)		✓	133.63	✓	Directly entered	1300		1300			Normal	
48	**1**	(untitled)		✓	55.12	✓	Sum of lanes	1965					Normal	
49	**1**	(untitled)		✓	26.24	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	26.24	✓	Directly entered	1900					Normal	
50	**1**	(untitled)		✓	48.15	✓	Sum of lanes	1900					Normal	
51	**1**	(untitled)		✓	37.47	✓	Sum of lanes	1900					Normal	

Lanes

Arm	Traffic Stream	Lane	Name	Description	Use RR67	Surface condition	Site quality factor	Gradient (%)	Width (m)	Use connector turning radius	Proportion that turn (%)	Turning radius (m)	Nearside lane	Saturation flow (PCU/hr)
A	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
Ac	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Acf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
Af	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
B	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
Bc	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
	3	**1**	(untitled)											
Bcf	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
	3	**1**	(untitled)											
	4	**1**	(untitled)											
Bf	**1**	**1**	(untitled)											1800
	2	**1**	(untitled)											1800
C	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Cf	**1**	**2**	(untitled)											1965
	2	**1**	(untitled)											1965
D	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Dc	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											

Dcf	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
	4	4	(untitled)											
	5	5	(untitled)											
Df	1	1	(untitled)											1900
	2	2	(untitled)											
Dxp	1	1	(untitled)											
	2	1	(untitled)											
Ec	1	1	(untitled)											
	2	1	(untitled)											
	3	1	(untitled)											
	4	1	(untitled)											
Ecf	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
	4	4	(untitled)											
Ef	1	1	(untitled)											
	2	2	(untitled)											1900
Exp	1	1	(untitled)											
	2	2	(untitled)											
F	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
Fc	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
Ff	1	1	(untitled)											1900
	2	2	(untitled)											1900
G	1	1	(untitled)											
	2	2	(untitled)											
Gf	1	1	(untitled)											
	2	2	(untitled)											
xA	1	1	(untitled)											
	2	2	(untitled)											
xB	1	1	(untitled)											
xC	1	1	(untitled)											1900
	2	2	(untitled)											1900
xD	1	1	(untitled)											
	2	2	(untitled)											
xE	1	1	(untitled)											
	2	2	(untitled)											
xF	1	1	(untitled)											
Cc1	1	1	(untitled)											
E1	1	1	(untitled)											
	2	2	(untitled)											
Gf1	1	1	(untitled)											
Cc2	2	2	(untitled)											
	3	3	(untitled)											
	4	4	(untitled)											
	5	5	(untitled)											
E2	3	3	(untitled)											
	4	4	(untitled)											
TC5	2	1	(untitled)		✓	N/A	Clearly Good	0	3.50	✓	0	99999.00		2263
	3	1	(untitled)											
	4	1	(untitled)											1800
	1	1	(untitled)											

TC9	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)											
TC42	1	1	(untitled)		✓	N/A	Average	0	3.00	✓	0	9.44	✓	1771
TC43	1	1	(untitled)											1800
47	1	1	(untitled)											
48	1	1	(untitled)											1965
49	1	2	(untitled)											
	2	1	(untitled)											
50	1	1	(untitled)											1900
51	1	1	(untitled)											1900

Modelling

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

Dc	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Dcf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
Df	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Dxp	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Ec	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Ecf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Ef	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Exp	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
F	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Fc	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Ff	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00	✓	0.00	0.00	✓	2	0.00	0.00
G	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
Gf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xA	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xB	1	NetworkDefault	100	100	100		0.00							
xC	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xD	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xE	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xF	1	NetworkDefault	100	100	100		0.00							
Cc1	1	CTM	100	100	100		0.00							
E1	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
Gf1	1	NetworkDefault	100	100	100		0.00							
Cc2	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
E2	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							

TC5	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							
TC42	1	NetworkDefault	100	100	100		0.00							
TC43	1	NetworkDefault	100	100	100		0.00							
47	1	CTM	100	100	100		0.00							
48	1	NetworkDefault	100	100	100		0.00							
49	1	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
50	1	NetworkDefault	100	100	100		0.00							
51	1	NetworkDefault	100	100	100		0.00							

Modelling - Advanced

Arm	Traffic Stream	Initial queue (PCU)	Type of Vehicle-in-Service	Vehicle-in-Service	Type of random parameter	Random parameter	Auto cycle time	Cycle time
(ALL)	(ALL)	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	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	354	354
	2	192	192
	3	315	315
	4	250	250
Ac	1	1065	1065
	2	186	186
	3	299	299
Acf	1	1251	1251
	2	299	299
Af	1	546	546
	2	315	315
	3	250	250
B	1	302	302
	2	417	417
	3	470	470
	4	565	565
Bc	1	414	414
	2	501	501
	3	326	326
	1	1419	1419

Bcf	**2**	414	414
	3	501	501
	4	326	326
Bf	**1**	719	719
	2	1035	1035
C	**1**	515	515
	2	601	601
	3	369	369
Cf	**1**	515	515
	2	970	970
D	**1**	395	395
	2	691	691
	3	770	770
Dc	**1**	949	949
	2	766	766
	3	579	579
	4	934	934
Dcf	**1**	618	618
	2	1183	1183
	3	766	766
	4	579	579
	5	934	934
Df	**1**	1086	1086
	2	770	770
Dxp	**1**	618	618
	2	234	234
Ec	**1**	629	629
	2	1203	1203
	3	1194	1194
	4	547	547
Ecf	**1**	1121	1121
	2	989	989
	3	1203	1203
	4	1771	1771
Ef	**1**	871	871
	2	487	487
Exp	**1**	1121	1121
	2	360	360
F	**1**	283	283
	2	185	185
	3	223	223
Fc	**1**	1410	1410
	2	1238	1238
	3	1113	1113
Ff	**1**	468	468
	2	223	223
G	**1**	355	355
	2	162	162
Gf	**1**	352	352
	2	135	135
xA	**1**	1460	1460
	2	1442	1442
xB	**1**	1419	1419
xC	**1**	577	577
	2	340	340
xD	**1**	618	618
	2	234	234

xE	1	1121	1121
	2	360	360
xF	1	683	683
Cc1	1	400	400
E1	1	305	305
	2	566	566
Gf1	1	30	30
Cc2	2	548	548
	3	665	665
	4	817	817
	5	565	565
E2	3	352	352
	4	135	135
TC5	2	1238	1238
	3	1442	1442
	4	0	0
TC9	1	528	528
	2	307	307
	3	244	244
TC35	1	222	222
TC36	1	45	45
TC37	1	14	14
TC38	1	14	14
TC39	2	1238	1238
	3	1442	1442
TC40	2	1252	1252
	3	1442	1442
TC41	1	31	31
TC42	1	0	0
TC43	1	0	0
47	1	917	917
48	1	1485	1485
49	1	528	528
	2	551	551
50	1	1754	1754
51	1	691	691

Signals

Arm	Traffic Stream	Controller stream	Phase	Second phase enabled
A	1	771-2	E	
	2	771-2	E	
	3	771-2	E	
	4	771-2	E	
Ac	1	771-2	D	
	2	771-2	D	
	3	771-2	D	
B	1	769-1	B	
	2	769-1	B	
	3	769-1	B	
	4	769-1	B	
Bc	1	769-1	A	
	2	769-1	A	
	3	769-1	A	
C	1	769-2	G	
	2	769-2	G	
	3	769-2	G	
D	1	770-1	B	
	2	770-1	B	

	3	770-1	B	
Dc	1	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
Dxp	1	770-2	D	
	2	770-2	D	
Ec	1	770-3	F	
	2	770-3	F	
	3	770-3	F	
	4	770-3	F	
Exp	1	770-4	L	
	2	770-4	L	
F	1	771-1	B	
	2	771-1	B	
	3	771-1	B	
Fc	1	771-1	A	
	2	771-1	A	
	3	771-1	A	
G	1	769-2	F	
	2	769-2	F	
Cc1	1	769-2	E	
E1	1	770-3	G	
	2	770-3	G	
Cc2	2	769-2	D	
	3	769-2	D	
	4	769-2	D	
	5	769-2	D	
E2	3	770-3	H	
	4	770-3	H	
TC5	2	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	1	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	1	TC777-1	A	
TC37	1	TC777-2	J	
TC41	1	TC777-1	D	
TC42	1	TC777-1	E	

Entry Sources

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

Sources

Arm	Traffic Stream	Source	Source traffic stream	Destination traffic stream	Cruise time for Normal Traffic (s)	Cruise speed for Normal Traffic (kph)	Auto turning radius	Traffic turn style	Turning radius (m)

A	**1**	**1**	Af/1	A/1	5.59	48.00	✓	Straight	Straight Movement
	2	**1**	Af/1	A/2	5.77	48.00	✓	Straight	Straight Movement
	3	**1**	Af/2	A/3	5.90	48.00	✓	Straight	Straight Movement
	4	**1**	Af/3	A/4	6.03	48.00	✓	Straight	Straight Movement
Ac	**1**	**1**	Acf/1	Ac/1	7.19	48.00	✓	Offside	48.59
	2	**1**	Acf/1	Ac/2	9.50	35.00	✓	Offside	46.08
	3	**1**	Acf/2	Ac/3	6.60	48.00	✓	Offside	42.76
Acf	**1**	**1**	F/2	Acf/1	5.22	48.00	✓	Straight	Straight Movement
	2	**1**	F/3	Acf/2	7.24	35.00	✓	Straight	Straight Movement
Af	**1**	**1**	TC42/1	Af/1	6.42	30.00	✓	Nearside	10.60
	2	**1**	TC42/1	Af/2	6.38	30.00	✓	Nearside	10.60
	3	**1**	TC42/1	Af/3	6.36	30.00	✓	Nearside	10.60
B	**1**	**1**	Bf/1	B/1	7.10	48.00	✓	Straight	Straight Movement
	2	**1**	Bf/1	B/2	7.29	48.00	✓	Straight	Straight Movement
	3	**1**	Bf/2	B/3	7.48	48.00	✓	Straight	Straight Movement
	4	**1**	Bf/2	B/4	12.29	30.00	✓	Straight	Straight Movement
Bc	**1**	**1**	Bcf/2	Bc/1	11.96	40.00	✓	Offside	51.76
	2	**1**	Bcf/3	Bc/2	11.83	40.00	✓	Offside	48.45
	3	**1**	Bcf/4	Bc/3	11.71	40.00	✓	Offside	45.13
Bcf	**1**	**1**	A/1	Bcf/1	4.70	48.00	✓	Nearside	68.65
	2	**1**	A/2	Bcf/2	6.69	34.00	✓	Nearside	71.96
	3	**1**	A/3	Bcf/3	6.60	34.00	✓	Nearside	75.27
	4	**1**	A/4	Bcf/4	6.59	34.00	✓	Nearside	78.59
Bf	**1**	**1**	50/1	Bf/1	27.34	30.00	✓	Straight	Straight Movement
	2	**1**	50/1	Bf/2	27.41	30.00	✓	Straight	Straight Movement
C	**1**	**1**	Cf/1	C/1	14.54	30.00	✓	Offside	59.30
	2	**1**	Cf/2	C/2	14.68	30.00	✓	Offside	55.98
	3	**1**	Cf/2	C/3	14.92	30.00	✓	Offside	53.27
Cf	**1**	**1**	48/1	Cf/1	17.35	30.00	✓	Straight	Straight Movement
	2	**1**	48/1	Cf/2	17.50	30.00	✓	Straight	Straight Movement
D	**1**	**1**	Df/1	D/1	4.13	48.00	✓	Straight	Straight Movement
	2	**1**	Df/1	D/2	4.13	48.00	✓	Straight	Straight Movement
	3	**1**	Df/2	D/3	3.97	48.00	✓	Straight	Straight Movement
Dc	**1**	**1**	Dcf/2	Dc/1	3.80	48.00	✓	Offside	56.07
	2	**1**	Dcf/3	Dc/2	3.65	48.00	✓	Offside	52.76
	3	**1**	Dcf/4	Dc/3	3.51	48.00	✓	Offside	49.44
	4	**1**	Dcf/5	Dc/4	3.36	48.00	✓	Offside	46.13
Dcf	**1**	**1**	Cc2/2	Dcf/1	4.95	48.00	✓	Straight	Straight Movement
	2	**1**	Cc2/4	Dcf/2	4.94	48.00	✓	Straight	Straight Movement
	3	**1**	Cc2/3	Dcf/3	5.15	48.00	✓	Straight	Straight Movement
	4	**1**	C/2	Dcf/4	5.00	48.00	✓	Nearside	58.86
	5	**1**	Cc2/5	Dcf/5	5.02	48.00	✓	Straight	Straight Movement

Dxp	**1**	**1**	Dcf/1	Dxp/1	3.50	48.00	✓	Nearside	80.62
	2	**1**	Dcf/2	Dxp/2	3.65	48.00	✓	Nearside	83.93
Ec	**1**	**1**	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42
	2	**1**	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	**1**	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	**1**	Ecf/4	Ec/4	3.44	48.00	✓	Offside	67.06
Ecf	**1**	**1**	Dc/1	Ecf/1	3.45	48.00	✓	Offside	76.11
	2	**1**	Dc/2	Ecf/2	3.48	48.00	✓	Offside	72.80
	3	**1**	Dc/3	Ecf/3	3.52	48.00	✓	Offside	69.49
	4	**1**	Dc/4	Ecf/4	3.78	48.00	✓	Offside	66.17
Exp	**1**	**1**	Ecf/1	Exp/1	3.89	48.00	✓	Nearside	52.96
	2	**1**	Ecf/2	Exp/2	4.03	48.00	✓	Nearside	56.27
F	**1**	**1**	Ff/1	F/1	6.38	48.00	✓	Straight	Straight Movement
	2	**1**	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement
	3	**1**	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	**1**	**1**	Ec/2	Fc/1	18.84	35.00	✓	Straight	Straight Movement
	2	**1**	Ec/3	Fc/2	18.66	35.00	✓	Straight	Straight Movement
	3	**1**	Ec/4	Fc/3	18.54	35.00	✓	Straight	Straight Movement
Ff	**1**	**1**	51/1	Ff/1	33.09	30.00	✓	Straight	Straight Movement
	2	**1**	51/1	Ff/2	33.05	30.00	✓	Straight	Straight Movement
G	**1**	**1**	Gf/1	G/1	16.06	35.00	✓	Offside	96.83
	2	**1**	Gf/2	G/2	11.45	48.00	✓	Offside	93.51
Gf	**1**	**1**	E2/3	Gf/1	2.92	48.00	✓	Straight	Straight Movement
	2	**1**	E2/4	Gf/2	2.88	48.00	✓	Straight	Straight Movement
xA	**1**	**1**	F/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	**1**	F/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
xB	**1**	**1**	Bcf/1	xB/1	5.79	48.00	✓	Nearside	59.55
xC	**1**	**1**	G/1	xC/1	8.67	48.00	✓	Straight	Straight Movement
	2	**1**	G/2	xC/2	8.70	48.00	✓	Straight	Straight Movement
xD	**1**	**1**	Dxp/1	xD/1	9.13	48.00	✓	Nearside	30.26
	2	**1**	Dxp/2	xD/2	9.21	48.00	✓	Nearside	33.58
xE	**1**	**1**	Exp/1	xE/1	13.04	48.00	✓	Straight	Straight Movement
	2	**1**	Exp/2	xE/2	13.04	48.00	✓	Straight	Straight Movement
xF	**1**	**1**	Ec/1	xF/1	12.19	48.00	✓	Straight	Straight Movement
Cc1	**1**	**1**	B/1	Cc1/1	8.63	40.00	✓	Straight	Straight Movement
E1	**1**	**1**	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	**1**	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96
Gf1	**1**	**1**	Ecf/4	Gf1/1	3.69	48.00	✓	Offside	25.08
Cc2	**2**	**1**	B/1	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	3	**1**	Bc/3	Cc2/3	5.95	54.00	✓	Straight	Straight Movement
	4	**1**	Bc/3	Cc2/4	5.93	54.00	✓	Straight	Straight Movement
	5	**1**	Bc/3	Cc2/5	5.91	54.00	✓	Offside	97.08

E2	3	1	Ef/2	E2/3	4.00	48.00	✓	Nearside	43.25
	4	1	Ef/2	E2/4	4.07	48.00	✓	Nearside	43.25
TC5	2	1	xA/1	TC5/2	2.76	30.00	✓	Straight	Straight Movement
	3	1	xA/2	TC5/3	2.76	30.00	✓	Straight	Straight Movement
	4	1	xA/2	TC5/4	2.93	30.00	✓	Straight	Straight Movement
TC9	1	1	49/1	TC9/1	11.00	30.00	✓	Straight	Straight Movement
	2	1	49/2	TC9/2	11.05	30.00	✓	Straight	Straight Movement
	3	1	49/2	TC9/3	11.12	30.00	✓	Straight	Straight Movement
TC35	1	1	xA/1	TC35/1	2.90	30.00	✓	Straight	Straight Movement
TC37	1	1	TC36/1	TC37/1	3.19	50.00	✓	Nearside	46.04
TC38	1	1	TC37/1	TC38/1	1.53	50.00	✓	Straight	Straight Movement
TC39	2	1	TC5/2	TC39/2	2.54	50.00	✓	Straight	Straight Movement
	3	1	TC5/3	TC39/3	2.40	50.00	✓	Straight	Straight Movement
TC40	2	1	TC38/1	TC40/2	4.23	50.00	✓	Nearside	11.92
	3	1	TC39/3	TC40/3	4.02	50.00	✓	Offside	77.43
TC41	1	1	TC36/1	TC41/1	3.93	50.00	✓	Straight	Straight Movement
TC43	1	1	TC9/1	TC43/1	3.73	50.00	✓	Nearside	6.11
47	1	1	xC/1	47/1	16.04	30.00	✓	Straight	Straight Movement
Acf	1	2	Fc/3	Acf/1	5.22	48.00	✓	Straight	Straight Movement
	2	2	Fc/3	Acf/2	7.24	35.00	✓	Straight	Straight Movement
Af	1	2	TC9/1	Af/1	6.42	30.00	✓	Straight	Straight Movement
	2	2	TC9/2	Af/2	6.38	30.00	✓	Straight	Straight Movement
	3	2	TC9/3	Af/3	6.36	30.00	✓	Straight	Straight Movement
Bcf	1	2	Ac/1	Bcf/1	3.96	57.00	✓	Offside	93.05
	2	2	Ac/2	Bcf/2	3.99	57.00	✓	Offside	89.74
	3	2	Ac/3	Bcf/3	3.94	57.00	✓	Offside	86.42
	4	2	Ac/3	Bcf/4	3.93	57.00	✓	Offside	86.42
Dcf	1	2	C/1	Dcf/1	4.95	48.00	✓	Nearside	55.54
	2	2	C/1	Dcf/2	4.94	48.00	✓	Nearside	55.54
	3	2	C/2	Dcf/3	5.15	48.00	✓	Nearside	58.86
	4	2	Cc2/3	Dcf/4	8.01	30.00	✓	Straight	Straight Movement
	5	2	C/3	Dcf/5	5.02	48.00	✓	Nearside	62.17
Ecf	1	2	D/1	Ecf/1	3.45	48.00	✓	Nearside	43.36
	2	2	D/1	Ecf/2	3.48	48.00	✓	Nearside	43.36
	3	2	D/2	Ecf/3	3.52	48.00	✓	Nearside	46.68
	4	2	D/3	Ecf/4	3.78	48.00	✓	Nearside	49.99
Fc	1	2	E1/1	Fc/1	20.61	32.00	✓	Nearside	58.94
	2	2	E1/1	Fc/2	20.41	32.00	✓	Nearside	60.85
	3	2	E1/2	Fc/3	20.28	32.00	✓	Nearside	64.16
G	1	2	Gf1/1	G/1	16.06	35.00	✓	Offside	17.91
	2	2	Gf1/1	G/2	11.45	48.00	✓	Offside	15.13
xA	1	2	Fc/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	2	Fc/2	xA/2	17.25	48.00	✓	Straight	Straight Movement

xC	1	2	Cc1/1	xC/1	8.67	48.00	✓	Nearside	56.51
	2	2	Cc1/1	xC/2	8.70	48.00	✓	Nearside	57.28
xF	1	2	E1/1	xF/1	12.19	48.00	✓	Nearside	40.67
Cc1	1	2	Bc/1	Cc1/1	6.39	54.00	✓	Straight	Straight Movement
Cc2	2	2	Bc/2	Cc2/2	6.11	54.00	✓	Straight	Straight Movement
	3	2	B/3	Cc2/3	8.03	40.00	✓	Straight	Straight Movement
	4	2	B/2	Cc2/4	8.01	40.00	✓	Straight	Straight Movement
	5	2	B/4	Cc2/5	7.98	40.00	✓	Straight	Straight Movement
TC39	2	2	TC42/1	TC39/2	2.54	50.00	✓	Offside	9.44
	3	2	TC42/1	TC39/3	2.40	50.00	✓	Offside	9.44
TC40	2	2	TC39/2	TC40/2	4.23	50.00	✓	Offside	80.74
TC43	1	2	TC5/4	TC43/1	3.73	50.00	✓	Offside	21.45
47	1	2	xC/2	47/1	16.04	30.00	✓	Straight	Straight Movement
Acf	1	3	Fc/2	Acf/1	5.22	48.00	✓	Straight	Straight Movement
Af	1	3	TC41/1	Af/1	6.42	30.00	✓	Offside	6.19
	2	3	TC41/1	Af/2	6.38	30.00	✓	Offside	6.19
	3	3	TC41/1	Af/3	6.36	30.00	✓	Offside	6.19
Bcf	2	3	Ac/3	Bcf/2	3.99	57.00	✓	Offside	86.42
Dcf	3	3	Cc2/4	Dcf/3	8.23	30.00	✓	Straight	Straight Movement
Ecf	4	3	D/2	Ecf/4	6.04	30.00	✓	Nearside	46.68
xA	2	3	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
Cc2	2	3	B/2	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	4	3	Bc/2	Cc2/4	5.93	54.00	✓	Straight	Straight Movement
	2	4	Bc/1	Cc2/2	6.11	54.00	✓	Straight	Straight Movement

Give Way Data

Arm	Traffic Stream	Opposed traffic	Use Step-wise Opposed Turn Model	Visibility restricted
(ALL)	1	AllTraffic		

Give Way Data - All Movements - Conflicts

Traffic Stream	Description	Controlling type	Controlling traffic stream	Percentage opposing (%)	Slope coefficient	Upstream signals visible	Conflict shift	Conflict duration
1		TrafficStream	Gf/1	100	0.22		4	0
		TrafficStream	Gf/2	100	0.22		4	4
		TrafficStream	TC39/2	100	0.22		0	0
		TrafficStream	TC39/3	100	0.22		0	0

Pedestrian Crossings

Pedestrian Crossings

Crossing	Name	Description	Traffic node	Allow walk on red	Crossing type	Length (m)	Cruise time (seconds)	Cruise speed (kph)
1	(untitled)		3-2		Nearside	3.00	2.00	5.40
2	(untitled)		3		Nearside	3.00	2.00	5.40
3	(untitled)		4-2		Nearside	3.00	2.00	5.40
4	(untitled)		4		Nearside	3.00	2.00	5.40
5	(untitled)		4		Nearside	3.00	2.00	5.40
6	(untitled)		4		Nearside	3.00	2.00	5.40
7	(untitled)		5		Nearside	3.00	2.00	5.40
8	(untitled)		1		Nearside	3.00	2.00	5.40
9	(untitled)		2		Nearside	3.00	2.00	5.40
10	(untitled)		2		Nearside	3.00	2.00	5.40
11	(untitled)				Nearside	3.00	2.00	5.40
12	(untitled)		2		Nearside	3.00	2.00	5.40
13	(untitled)				Farside	3.00	2.00	5.40
14	(untitled)				Farside	3.00	2.00	5.40
15	(untitled)				Nearside	3.00	2.00	5.40
16	(untitled)				Nearside	3.00	2.00	5.40
17	(untitled)				Nearside	3.00	2.00	5.40

Pedestrian Crossings - Signals

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

Pedestrian Crossings - Sides

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

Pedestrian Crossings - Modelling

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

Local OD Matrix - Local Matrix: 1

Local Matrix Options

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

Normal Input Flows (PCU/hr)

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	0	50	301	2	468	69	864	0
	B28	37	0	79	273	581	25	490	0
	C28	517	30	0	223	172	23	891	0
	D28	3	218	146	0	41	46	237	0
	E28	508	487	80	54	0	31	198	0
	F28	9	8	3	7	4	0	14	0
	G28	345	124	243	124	215	28	0	0
	H28	0	0	0	0	0	0	0	0

Bus Input Flows not shown as they are blank.

Tram Input Flows not shown as they are blank.

Pedestrian Input Flows not shown as they are blank.

Locations

OD Matrix	Location	Name	Entries	Exits	Colour
1	A28	(untitled)	50/1	xB/1	#FF0000
	B28	(untitled)	48/1	47/1	#00FF40
	C28	(untitled)	Df/2, Df/1	xD/1, xD/2	#804000
	D28	(untitled)	51/1	xF/1	#FF00FF
	E28	(untitled)	Ef/2, Ef/1	xE/1, xE/2	#FF8000
	F28	(untitled)	TC36/1	TC35/1	#FFA500
	G28	(untitled)	49/2, 49/1	TC40/2, TC40/3	#0000FF
	H28	(untitled)	TC42/1	TC43/1	#008000

Normal Paths and Flows

OD Matrix	Path	Description	From location	To location	Path items	Allocation type	N Cal (P
	23	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	
	24		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	25		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
	32	I1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	
	36		C28	E28	Df/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	
	41		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	
	42		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	43		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
	44		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	45		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	49	I1	C28	D28	Df/1, D/1, Ecf/2, Ec/1, xF/1	Normal	
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	86		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/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	
96		A28	C28	50/1, Bf/1, B/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Disabled	
97		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	
98		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
99	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	
100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Fixed	
101		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	
104	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	
106		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	
108		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
109	I3	C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
111		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	
113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	
114		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	
116		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
117		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
118		F28	C28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
119		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
120		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
121		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	
122		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
123		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
124		E28	C28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	
126		D28	C28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
127		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
128		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
129		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
131		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	
132		H28	C28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
133		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
134		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
135		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
136		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	
138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	
139		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
140		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
141		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
142		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	
144		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
145		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
146		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
147		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
148		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
149	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	
150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	
151		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	
152		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	

	153		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
	154		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	
	155		E28	C28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
	156		C28	G28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	157		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	
	158		B28	D28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	159		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	160		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	161		B28	F28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	162		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
1	163		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	
	164		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	
	165		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	
	166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	
	167		B28	E28	48/1, Cf/1, C/1, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	168		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal	
	169		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
	170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	
	171		G28	H28	49/1, TC9/1, TC43/1	Normal	
	175		G28	C28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	
	176		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	177		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	178		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	181		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	
	185		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	
	186		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	
	187		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	196		D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	
	197		D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	198		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	
	199		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	
	200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	
	201		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	204		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	
	205		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	
	206		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	207		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	210		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	
	211		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	212		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	213		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	214		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	
	215		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	218		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Fixed	
	219		A28	F28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	220		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	221		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	
	222		A28	D28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	223		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	224		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	225		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	226		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	227		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	228		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	
	229		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	230		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	
	231		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	

	232		A28	H28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	233		B28	H28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	234	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	235		E28	G28	Ef/1, E1/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	
	236		E28	H28	Ef/1, E1/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	237		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	
	238		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Fixed	
	239		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	
	240		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
	241		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	
	242		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	243		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	
	244		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	
	245		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	246		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	247		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	248		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	
	249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	250		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	
	251		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	252		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	253		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	
	254		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	
	255	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	
	256		C28	C28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	257		C28	H28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	
	258		C28	A28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	
	259		C28	C28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	260		C28	A28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	
	261		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	262		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	263		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	
	264		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	265		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	
	266		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	
	267		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Fixed	

Signal Timings

Network Default: 120s cycle time; 120 steps

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

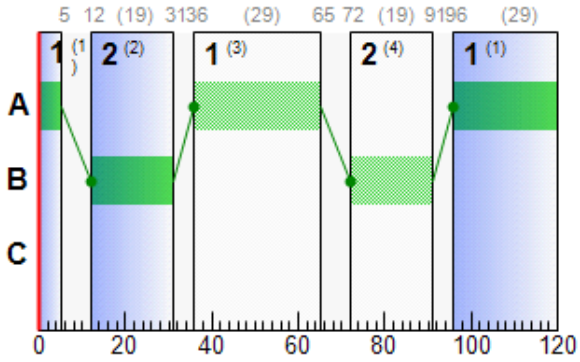
Resultant Phase Green Periods

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

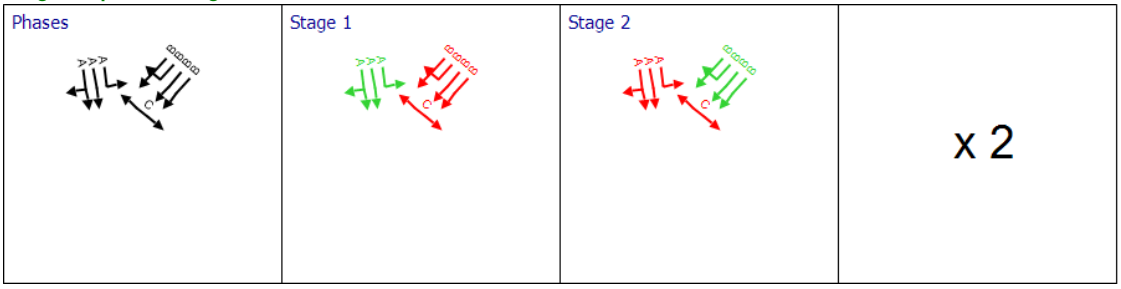
Traffic Stream Green Times

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)	10	300	0	0	Pedestrian	3
	K	(untitled)	5	300	0	0	Pedestrian	3

Library Stages

Controller Stream	Library Stage	Phases in stage	User stage minimum (s)
769-2	4	D, E, H, I	1
	5	F, G, J, K	1
	6	F, G, K	1

Losing / Gaining Phase Delays

Controller Stream	Delay	Type	Phase	From stage	To stage	Relative delay	Absolute delay
769-2	1	Losing	I	4	5	2	
	2	Losing	H	4	5	4	
	3	Losing	D	4	5	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, 23	4, 5	64, 83
	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	12							
	K		7						

Banned Stage transitions for Controller Stream 769-2

		To		
		4	5	6
From	4			
	5			
	6			

Interstage Matrix for Controller Stream 769-2

		To		
		4	5	6
From	4	0	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	97	4	27	1	3
	2	✓	5	F,G,J,K	15	23	8	1	8
	3		4	D,E,H,I	37	64	27	1	3
	4		5	F,G,J,K	75	83	8	1	8

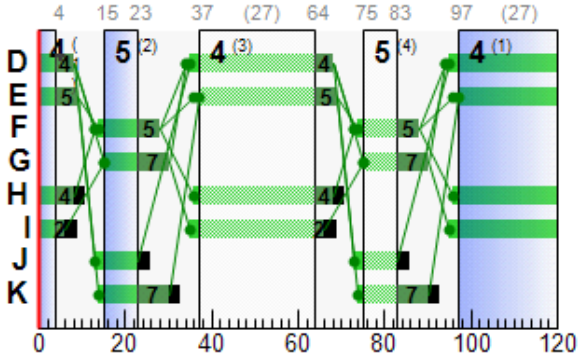
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
769-2	D	1		35	68	33
		2	✓	95	8	33
	E	1		37	69	32
		2	✓	97	9	32
	F	1	✓	14	28	14
		2		74	88	14
	G	1	✓	15	30	15
		2		75	90	15
	H	1		36	68	32
		2	✓	96	8	32
	I	1		35	66	31
		2	✓	95	6	31
	J	1	✓	13	23	10
		2		73	83	10
	K	1	✓	14	30	16
		2		74	90	16

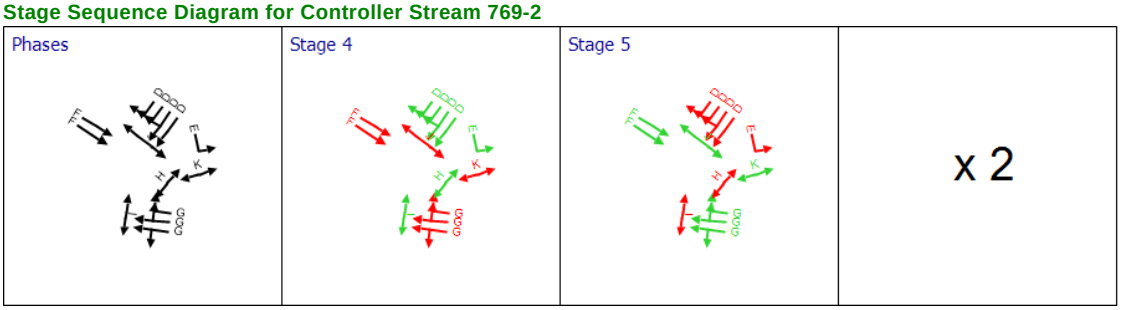
Traffic Stream Green Times

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	30	15	75	90	15
C	2	2	769-2	G	15	30	15	75	90	15
C	3	2	769-2	G	15	30	15	75	90	15
G	1	2	769-2	F	14	28	14	74	88	14
G	2	2	769-2	F	14	28	14	74	88	14
Cc1	1	2	769-2	E	37	69	32	97	9	32
Cc2	2	2	769-2	D	35	68	33	95	8	33
Cc2	3	2	769-2	D	35	68	33	95	8	33
Cc2	4	2	769-2	D	35	68	33	95	8	33
Cc2	5	2	769-2	D	35	68	33	95	8	33

Phase Timings Diagram for Controller Stream 769-2



Stage Sequence Diagram for Controller Stream 769-2



Controller Stream 770-1

Controller Stream	Name	Description	Use sequence	Cycle time source	Cycle time (s)
770-1	(untitled)		1	NetworkDefault	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			None		

Phases

Controller Stream	Phase	Name	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type	Blackout Time (s)
770-1	A	(untitled)	7	300	0	0	Traffic	
	B	(untitled)	7	300	0	0	Traffic	
	C	(untitled)	5	300	0	0	Pedestrian	3

Library Stages

Controller Stream	Library Stage	Phases in stage	User stage minimum (s)
770-1	1	A, C	1
	2	B	1

Losing / Gaining Phase Delays

Controller Stream	Delay	Type	Phase	From stage	To stage	Relative delay
770-1	1	Losing	A	1	2	2

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Equal length multiple cycling	Stage IDs	Stage ends	Multiple cycling stage IDs	Multiple cycling stage ends
770-1	1	(untitled)	Double	✓	1, 2	7, 34	1, 2	67, 94

Intergreen Matrix for Controller Stream 770-1

		To		
		A	B	C
From	A		5	
	B	5		5
	C		7	

Banned Stage transitions for Controller Stream 770-1

		To	
		1	2
From	1		
	2		

Interstage Matrix for Controller Stream 770-1

		To	
		1	2
From	1	0	7
	2	5	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
770-1	1	✓	1	A,C	99	7	28	1	5
	2	✓	2	B	14	34	20	1	7
	3		1	A,C	39	67	28	1	5
	4		2	B	74	94	20	1	7

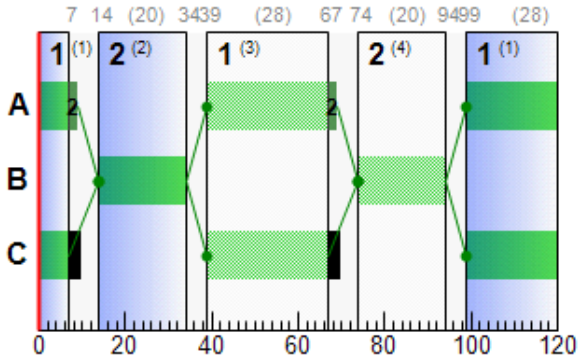
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
770-1	A	1		39	69	30
		2	✓	99	9	30
	B	1	✓	14	34	20
		2		74	94	20
	C	1		39	67	28
		2	✓	99	7	28

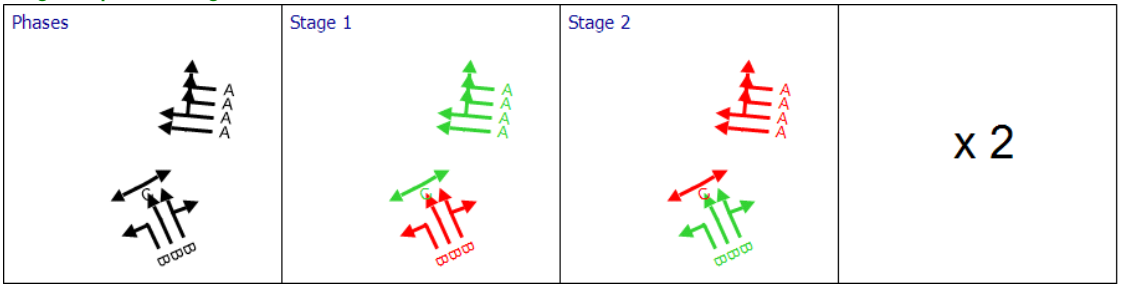
Traffic Stream Green Times

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	14	34	20	74	94	20
D	2	3	770-1	B	14	34	20	74	94	20
D	3	3	770-1	B	14	34	20	74	94	20
Dc	1	3	770-1	A	39	69	30	99	9	30
Dc	2	3	770-1	A	39	69	30	99	9	30
Dc	3	3	770-1	A	39	69	30	99	9	30
Dc	4	3	770-1	A	39	69	30	99	9	30

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

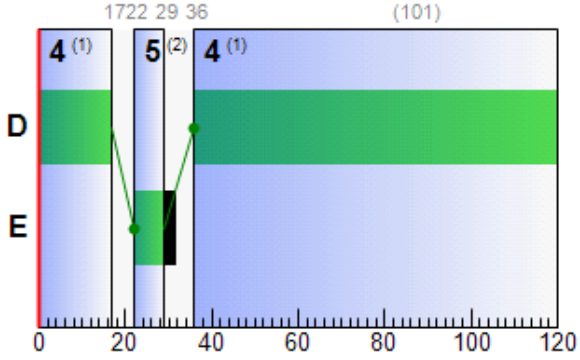
Resultant Phase Green Periods

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

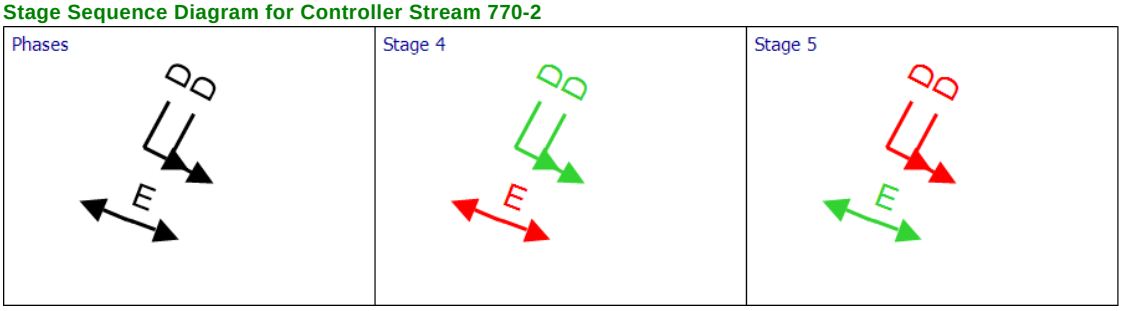
Traffic Stream Green Times

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			None		

Phases

Controller Stream	Phase	Name	Minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type	Blackout Time (s)
770-3	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

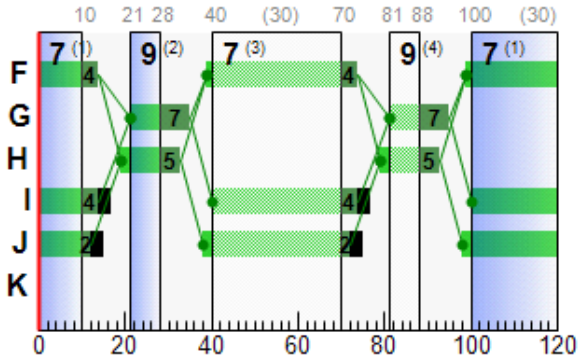
Resultant Phase Green Periods

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

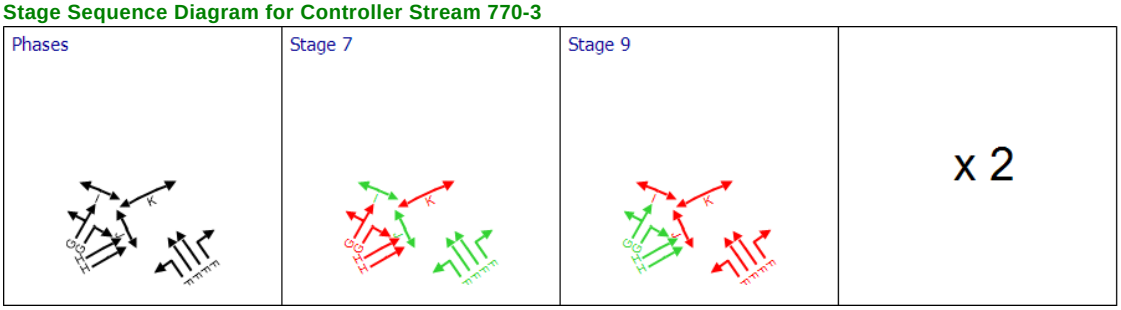
Traffic Stream Green Times

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

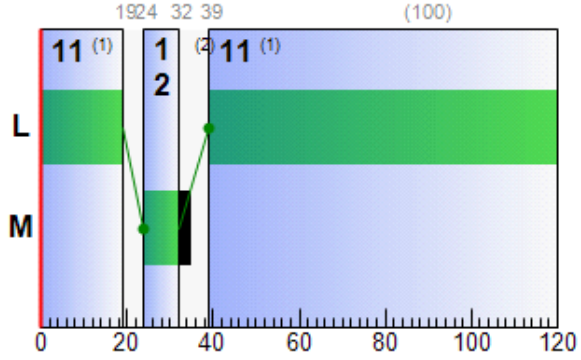
Resultant Phase Green Periods

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

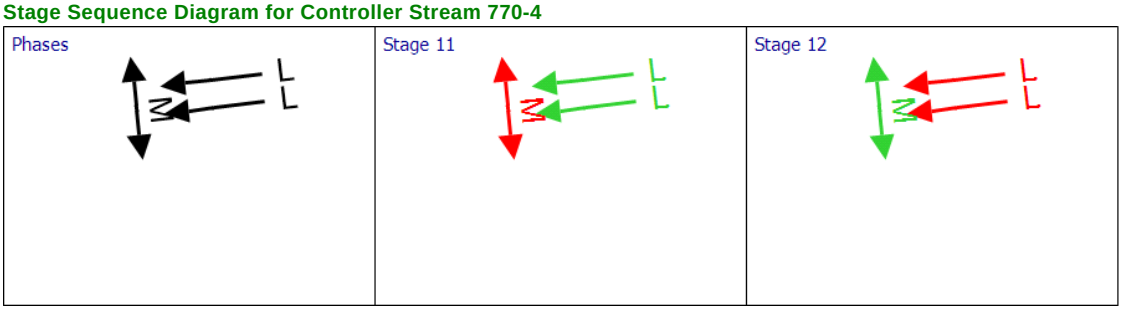
Traffic Stream Green Times

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			None		

Phases

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

Library Stages

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

Losing / Gaining Phase Delays

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Equal length multiple cycling	Stage IDs	Stage ends	Multiple cycling stage IDs	Multiple cycling stage ends
771-1	1	(untitled)	Double	✓	1, 3	20, 41	1, 3	80, 101

Intergreen Matrix for Controller Stream 771-1

		To		
		A	B	C
From	A		5	
	B	5		5
	C		11	

Banned Stage transitions for Controller Stream 771-1

		To		
		1	2	3
From	1			
	2			
	3			

Interstage Matrix for Controller Stream 771-1

		To		
		1	2	3
From	1	0	0	11
	2	0	0	5
	3	5	5	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
771-1	1	✓	1	A,C	106	20	34	1	9
	2	✓	3	B	31	41	10	1	7
	3		1	A,C	46	80	34	1	9
	4		3	B	91	101	10	1	7

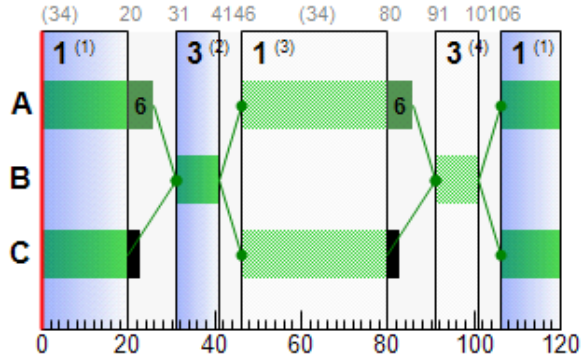
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
771-1	A	1		46	86	40
		2	✓	106	26	40
	B	1	✓	31	41	10
		2		91	101	10
	C	1		46	80	34
		2	✓	106	20	34

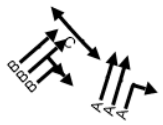
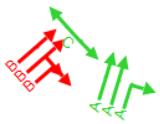
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
F	1	5	771-1	B	31	41	10	91	101	10
F	2	5	771-1	B	31	41	10	91	101	10
F	3	5	771-1	B	31	41	10	91	101	10
Fc	1	5	771-1	A	46	86	40	106	26	40
Fc	2	5	771-1	A	46	86	40	106	26	40
Fc	3	5	771-1	A	46	86	40	106	26	40

Phase Timings Diagram for Controller Stream 771-1



Stage Sequence Diagram for Controller Stream 771-1

Phases	Stage 1	Stage 3	
			x 2

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
771-2	**(ALL)**	(untitled)	7	300	0	0	Traffic

Library Stages

Controller Stream	Library Stage	Phases in stage	User stage minimum (s)
771-2	**5**	D	1
	6	E	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Equal length multiple cycling	Stage IDs	Stage ends	Multiple cycling stage IDs	Multiple cycling stage ends
771-2	**1**	(untitled)	Double	✓	5, 6	18, 41	5, 6	78, 101

Intergreen Matrix for Controller Stream 771-2

		To	
		D	**E**
From	**D**		5
	E	5	

Banned Stage transitions for Controller Stream 771-2

		To	
		5	**6**
From	**5**		
	6		

Interstage Matrix for Controller Stream 771-2

		To	
		5	**6**
From	**5**	0	5
	6	5	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
771-2	1	✓	5	D	106	18	32	1	7
	2	✓	6	E	23	41	18	1	7
	3		5	D	46	78	32	1	7
	4		6	E	83	101	18	1	7

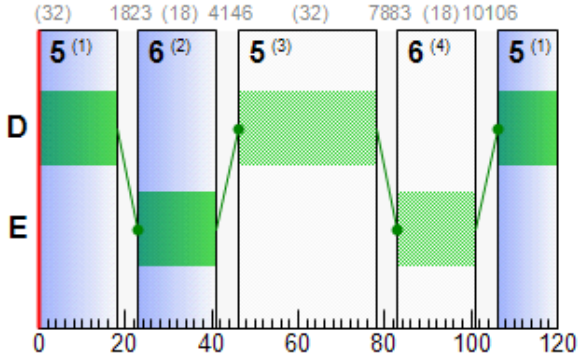
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
771-2	D	1		46	78	32
		2	✓	106	18	32
	E	1	✓	23	41	18
		2		83	101	18

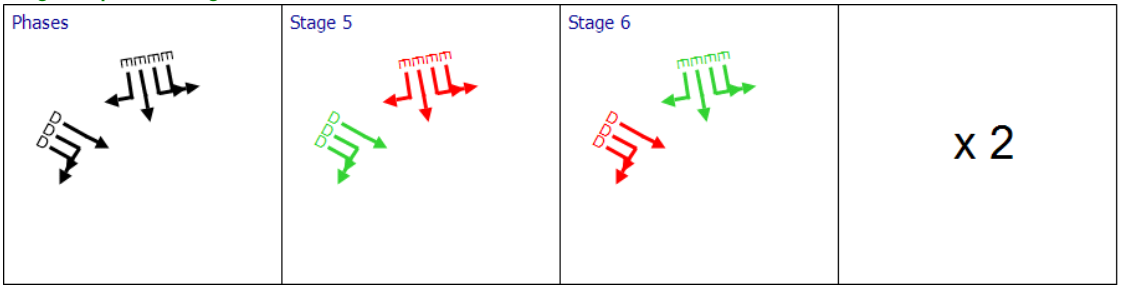
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
A	1	6	771-2	E	23	41	18	83	101	18
A	2	6	771-2	E	23	41	18	83	101	18
A	3	6	771-2	E	23	41	18	83	101	18
A	4	6	771-2	E	23	41	18	83	101	18
Ac	1	6	771-2	D	46	78	32	106	18	32
Ac	2	6	771-2	D	46	78	32	106	18	32
Ac	3	6	771-2	D	46	78	32	106	18	32

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

Library Stages

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple cycling	Stage IDs	Stage ends
TC777-1	1	(untitled)	Single	1, 2, 5	89, 105, 118

Intergreen Matrix for Controller Stream TC777-1

		To								
		A	B	C	D	E	F	G	H	I
From	A				5	5			7	5
	B			5	5	5		5		
	C		6		5	5				
	D	5	5	6			5			
	E	5	5	5					8	
	F				5					
	G		10							
	H	6				6				
	I	5								

Banned Stage transitions for Controller Stream TC777-1

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

Interstage Matrix for Controller Stream TC777-1

		To					
		1	2	3	4	5	6
From	1	0	5	7	5	7	5
	2	10	0	10	5	7	5
	3	6	6	0	6	5	6
	4	5	6	8	0	8	5
	5	6	6	5	6	0	6
	6	5	5	8	5	8	0

Resultant Stages

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
TC777-1	1	✓	1	A,B,F	4	89	85	1	6
	2	✓	2	A,C,F,G	94	105	11	1	7
	3	✓	5	D,H,I	112	118	6	1	6

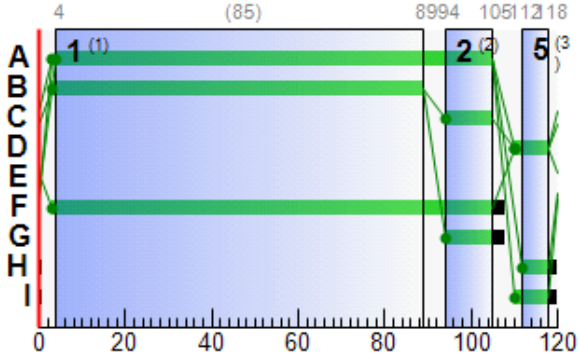
Resultant Phase Green Periods

Controller Stream	Phase	Green period	Is base green period	Start time (s)	End time (s)	Duration (s)
TC777-1	A	1	✓	4	105	101
	B	1	✓	3	89	86
	C	1	✓	94	105	11
	D	1	✓	110	118	8
	F	1	✓	3	105	102
	G	1	✓	94	105	11
	H	1	✓	112	118	6
	I	1	✓	110	118	8

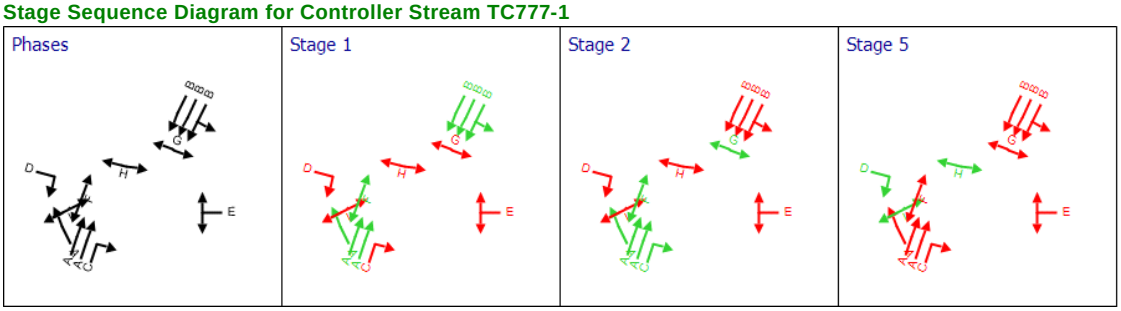
Traffic Stream Green Times

Arm	Traffic Stream	Traffic Node	Controller Stream	Phase	Green Period 1			Green Period 2		
					Start	End	Duration	Start	End	Duration
TC5	2	TC771-6	TC777-1	A	4	105	101			
TC5	3	TC771-6	TC777-1	A	4	105	101			
TC5	4	TC771-6	TC777-1	C	94	105	11			
TC9	1	TC771-6	TC777-1	B	3	89	86			
TC9	2	TC771-6	TC777-1	B	3	89	86			
TC9	3	TC771-6	TC777-1	B	3	89	86			
TC35	1	TC771-6	TC777-1	A	4	105	101			
TC41	1	TC771-6	TC777-1	D	110	118	8			
TC42	1	TC771-6	TC777-1	E						

Phase Timings Diagram for Controller Stream TC777-1



Stage Sequence Diagram for Controller Stream TC777-1



Controller Stream TC777-2

Controller Stream	Name	Description	Use sequence	Cycle time source	Cycle time (s)
TC777-2	Topcliffe Ln LT Ped		1	NetworkDefault	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

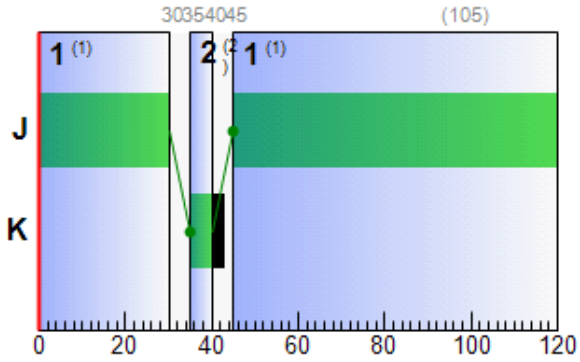
Resultant Phase Green Periods

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

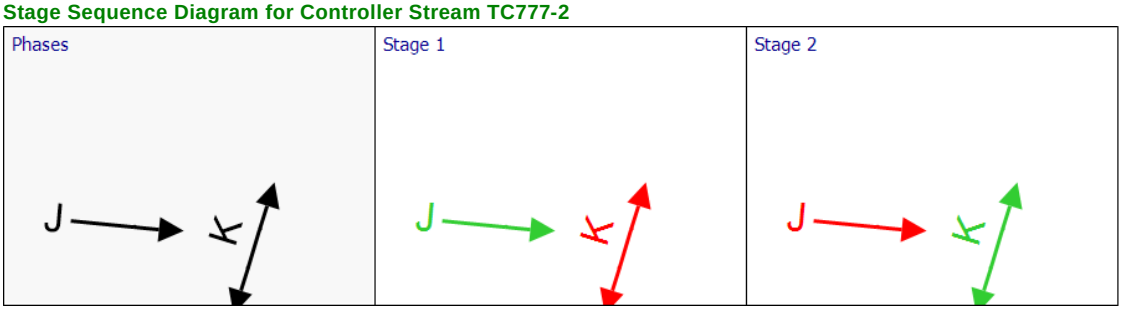
Traffic Stream Green Times

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)
		1	(untitled)	E	354	2050	36	649	55	65	15.09	5.23	40.37	20.68

	A	2	(untitled)	E	192	2050	36	649	30	204	11.75	2.60	19.45	17.51
		3	(untitled)	E	315	2050	36	649	49	85	14.76	4.97	36.39	20.65
		4	(untitled)	E	250	2050	36	649	39	134	13.40	3.28	23.45	19.42
	Ac	1	(untitled)	D	1018	2263	64	1245	82	10	13.94	8.79	52.74	21.13
		2	(untitled)	D	186	2263	64	1197	16	480	1.64	2.12	13.22	11.14
		3	(untitled)	D	296	2263	64	1245	24	278	1.71	4.71	30.79	8.31
	Acf	1	(untitled)		1204	2263	120	2263	53	69	0.90	0.30	2.50	6.12
		2	(untitled)		296	2263	120	2263	13	588	0.12	0.01	0.08	7.36
	Af	1	(untitled)		546	2050	120	2050	27	238	0.32	0.05	0.52	6.74
		2	(untitled)		315	2050	120	2050	15	486	0.16	0.01	0.15	6.54
		3	(untitled)		250	2050	120	2050	12	638	0.12	0.01	0.09	6.48
	B	1	(untitled)	B	302	2050	38	683	44	104	17.72	3.70	22.46	24.82
		2	(untitled)	B	417	2150	38	709	59	53	20.24	5.57	32.96	27.53
		3	(untitled)	B	470	2100	38	691	68	32	22.78	6.53	37.65	30.26
		4	(untitled)	B	565	2050	38	683	83	9	30.44	9.83	55.18	42.73
	Bc	1	(untitled)	A	414	2050	58	1025	40	123	4.70	2.07	8.95	16.66
		2	(untitled)	A	498	2050	58	1025	49	85	6.16	2.16	9.45	17.99
		3	(untitled)	A	327	2050	58	1025	32	182	3.07	0.49	2.18	14.78
	Bcf	1	(untitled)		1372	2263	120	2263	61	48	1.22	0.47	4.28	5.37
		2	(untitled)		414	2263	120	2263	18	392	0.18	0.02	0.19	5.42
		3	(untitled)		498	2263	120	2263	22	309	0.22	0.03	0.29	5.85
		4	(untitled)		327	2263	120	2263	14	523	0.13	0.01	0.11	6.10
	Bf	1	(untitled)		719	1800	120	1800	40	125	0.66	0.13	0.33	28.00
		2	(untitled)		1035	1800	120	1800	58	57	1.35	0.39	0.98	28.76
	C	1	(untitled)	G	484	2100	30	560	86	4	47.23	10.27	48.77	61.77
		2	(untitled)	G	564	2200	30	587	96	-6	136.12	27.38	128.65	150.80
		3	(untitled)	G	347	2050	30	547	63	42	24.48	6.35	29.36	39.40
	Cf	1	(untitled)		484	1965	120	1965	25	266	0.30	0.04	0.16	17.65
		2	(untitled)		911	1965	120	911	100	-10	105.33	39.24	154.70	122.84
	D	1	(untitled)	B	370	2050	40	718	52	74	25.89	4.92	51.46	30.01
		2	(untitled)	B	648	1850	40	648	100	-10	100.95	21.52	224.95	105.07
		3	(untitled)	B	742	2250	40	742	100	-10	86.44	20.10	218.55	90.41
	Dc	1	(untitled)	A	922	2100	60	1085	85	6	16.56	9.22	104.61	20.36
		2	(untitled)	A	743	2100	60	1085	68	32	11.62	7.45	87.94	15.27
		3	(untitled)	A	568	2100	60	802	71	27	11.25	5.86	71.99	14.76
		4	(untitled)	A	912	2100	60	927	98	-8	53.17	17.49	224.29	56.54
	Dcf	1	(untitled)		612	2050	120	2050	30	202	0.37	0.06	0.55	5.32
		2	(untitled)		1154	2100	120	1622	71	27	5.74	8.85	77.20	10.69
		3	(untitled)		743	2100	120	1767	42	114	1.15	2.38	19.95	6.63
		4	(untitled)		568	2100	120	2100	27	233	0.32	0.05	0.43	7.42
		5	(untitled)		912	2100	120	1722	53	70	5.10	9.96	85.62	10.12
	Df	1	(untitled)		1086	1900	120	1018	107	-16	145.22	57.02	163.92	169.22
		2	(untitled)		770	2250	120	742	104	-13	117.68	34.14	98.14	141.68
	Dxp	1	(untitled)	D	616	2050	101	1743	35	155	0.97	1.26	15.49	4.47
		2	(untitled)	D	232	2050	101	1743	13	577	0.31	0.15	1.76	3.96
	Ec	1	(untitled)	F	599	2150	70	1290	46	94	6.44	3.72	42.69	10.20
		2	(untitled)	F	1153	2263	70	1358	85	6	13.53	9.25	109.78	17.16
		3	(untitled)	F	1161	2263	70	1358	86	5	10.82	6.74	82.83	14.33
		4	(untitled)	F	526	2250	70	1350	39	131	13.42	7.04	88.09	16.86
	Ecf	1	(untitled)		1084	2100	120	2093	52	74	0.95	4.93	61.73	4.40
		2	(untitled)		952	2100	120	2100	45	99	0.71	0.19	2.32	4.19
		3	(untitled)		1153	2263	120	1664	69	30	6.66	7.17	87.88	10.18
		4	(untitled)		1717	2300	120	1913	90	0	9.63	9.75	111.35	13.49
	Ef	1	(untitled)		871	1900	120	827	105	-15	132.88	42.42	191.23	148.19
		2	(untitled)		487	1900	120	1900	26	251	0.33	0.04	0.20	15.63
07:30-08:30	Exp	1	(untitled)	L	1084	2050	100	1725	63	43	2.94	5.22	57.90	6.83
		2	(untitled)	L	352	2050	100	1725	20	341	0.28	2.35	25.11	4.30
		1	(untitled)	B	283	2100	20	385	74	22	35.69	5.00	33.74	42.07

	F	2	(untitled)	B	185	2100	20	385	48	87	26.25	2.85	19.09	32.68
		3	(untitled)	B	224	2100	20	385	58	55	28.83	3.57	23.55	35.38
	Fc	1	(untitled)	A	1349	2263	80	1546	87	3	9.35	7.14	22.40	28.45
		2	(untitled)	A	1203	2263	80	1413	85	6	11.70	12.49	39.59	30.42
		3	(untitled)	A	1064	2263	80	1532	69	30	6.83	18.73	59.75	26.26
	Ff	1	(untitled)		468	1900	120	1900	25	265	0.31	0.04	0.08	33.40
		2	(untitled)		224	1900	120	1900	12	663	0.13	0.01	0.02	33.17
	G	1	(untitled)	F	355	2050	28	485	73	23	47.01	7.77	28.63	63.08
		2	(untitled)	F	161	2050	28	500	32	179	41.40	2.76	10.40	52.84
	Gf	1	(untitled)		352	2050	120	2050	17	424	0.19	2.34	34.61	3.11
		2	(untitled)		135	2050	120	2047	7	1265	0.11	2.33	34.79	2.99
	xA	1	(untitled)		1410	2263	120	2063	68	32	2.22	7.70	19.28	19.45
		2	(untitled)		1398	2263	120	2255	62	45	1.32	2.92	7.30	18.56
	xB	1	(untitled)		1372	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
	xC	1	(untitled)		577	1900	120	1180	49	84	7.42	11.83	58.84	16.09
		2	(untitled)		339	1900	120	1369	25	263	2.93	4.71	23.34	11.63
	xD	1	(untitled)		616	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
		2	(untitled)		232	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
	xE	1	(untitled)		1084	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		352	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	xF	1	(untitled)		651	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
	Cc1	1	(untitled)	E	400	2050	64	1128	35	154	7.51	2.62	15.73	14.18
	E1	1	(untitled)	G	290	2050	28	513	57	59	35.94	5.18	37.24	41.94
		2	(untitled)	G	537	2200	28	550	98	-8	124.17	22.32	160.41	130.17
	Gf1	1	(untitled)		29	674	120	674	4	1997	1.83	0.21	2.41	5.52
	Cc2	2	(untitled)	D	546	2150	66	1198	46	97	11.56	5.25	32.95	18.65
		3	(untitled)	D	666	2050	66	1162	57	57	13.78	11.05	71.17	21.20
		4	(untitled)	D	816	2150	66	1067	76	18	17.86	13.31	86.00	24.85
		5	(untitled)	D	565	2050	66	1160	49	85	17.34	11.88	77.03	25.32
	E2	3	(untitled)	H	352	2150	28	522	67	34	27.40	5.55	59.87	31.39
		4	(untitled)	H	135	2050	28	513	26	242	19.34	2.37	25.04	23.41
	TC5	2	(untitled)	A	1192	2263	101	1942	61	47	2.38	3.39	84.52	5.14
		3	(untitled)	A	1398	2263	101	1942	72	25	2.58	2.61	65.15	5.34
		4	(untitled)	C	0	1800	11	180	0	Unrestricted	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	528	1925	86	1428	37	143	6.26	5.95	37.31	17.26
		2	(untitled)	B	307	1966	86	1458	21	327	5.08	3.03	18.89	16.13
		3	(untitled)	B	244	1947	86	1444	17	433	4.84	2.25	13.98	15.96
	TC35	1	(untitled)	A	217	1900	101	1631	13	575	1.26	1.46	34.74	4.16
	TC36	1	(untitled)		46	1800	120	1800	3	3422	0.03	0.00	0.01	3.05
	TC37	1	(untitled)	J	14	1850	105	1634	1	10405	0.88	0.05	0.71	4.08
	TC38	1	(untitled)		14	237	120	237	6	1421	3.71	2.42	65.20	5.25
	TC39	2	(untitled)		1192	2263	120	2263	53	71	0.88	0.29	4.78	3.42
		3	(untitled)		1398	2263	120	2263	62	46	1.28	0.50	8.60	3.68
	TC40	2	(untitled)		1206	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		1398	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	32	1850	8	139	23	290	56.12	2.45	25.79	60.05
	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)		916	1300	120	1300	70	28	3.28	0.83	3.59	19.31
	48	1	(untitled)		1485	1965	120	1395	106	-15	133.35	74.66	778.75	139.96
	49	1	(untitled)		528	1900	120	1900	28	224	0.36	0.05	1.17	3.51
		2	(untitled)		551	1900	120	1900	29	210	0.39	0.06	1.30	3.54
	50	1	(untitled)		1754	1900	120	1900	92	-3	10.51	5.12	61.16	16.29
	51	1	(untitled)		692	1900	120	1900	36	147	0.54	0.10	1.60	5.04

Data Entry - Stage Start and End

Resultant Stage

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
769-1	1	✓	1	A	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	97	4	27	1	3
	2	✓	5	F,G,J,K	15	23	8	1	8
	3		4	D,E,H,I	37	64	27	1	3
	4		5	F,G,J,K	75	83	8	1	8
770-1	1	✓	1	A,C	99	7	28	1	5
	2	✓	2	B	14	34	20	1	7
	3		1	A,C	39	67	28	1	5
	4		2	B	74	94	20	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	20	34	1	9
	2	✓	3	B	31	41	10	1	7
	3		1	A,C	46	80	34	1	9
	4		3	B	91	101	10	1	7
771-2	1	✓	5	D	106	18	32	1	7
	2	✓	6	E	23	41	18	1	7
	3		5	D	46	78	32	1	7
	4		6	E	83	101	18	1	7
TC777-1	1	✓	1	A,B,F	4	89	85	1	6
	2	✓	2	A,C,F,G	94	105	11	1	7
	3	✓	5	D,H,I	112	118	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
769-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	7	300	0	0	Pedestrian
769-2	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	4	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	5	300	0	0	Pedestrian
	I	I	7	300	0	0	Pedestrian
	J	J	10	300	0	0	Pedestrian
	K	K	5	300	0	0	Pedestrian
770-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	5	300	0	0	Pedestrian
770-2	D	D	7	300	0	0	Traffic
	E	E	5	300	0	0	Pedestrian
770-3	F	F	7	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	4	300	0	0	Traffic
	I	I	5	300	0	0	Pedestrian
	J	J	5	300	0	0	Pedestrian
	K	K	10	300	0	0	Pedestrian
770-4	L	L	7	300	0	0	Traffic
	M	M	6	300	0	0	Pedestrian
771-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	9	300	0	0	Pedestrian
771-2	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
TC777-1	A	A	7	300	0	1	Traffic
	B	B	7	300	0	2	Traffic
	C	C	7	300	0	0	Traffic
	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	5	300	0	0	Pedestrian
	G	G	7	300	0	0	Pedestrian
	H	H	6	300	0	0	Pedestrian
	I	I	5	300	0	0	Pedestrian
TC777-2	J	J	7	300	0	0	Traffic
	K	K	5	300	0	0	Pedestrian

Data Entry - Traffic Stream

Traffic Stream

Arm	Traffic Stream	Auto length	Length (m)	Traffic model	Max queue storage (PCU)	Traffic type	Has Saturation Flow	Is signal controlled	Is give way	Saturation flow source	Saturation flow (PCU/hr)	Delay weighting multiplier (%)	Stop weighting multiplier (%)
A	1	✓	74.52	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	76.88	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	78.61	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100

	4	✓	80.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ac	1	✓	95.80	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	2	✓	92.34	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	87.95	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
Acf	1	✓	69.59	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	70.42	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Af	1	✓	53.54	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	53.19	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	53.01	CTM	0.00	Normal	✓			Directly entered	2050	100	100
B	1	✓	94.67	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	97.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	99.69	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	4	✓	102.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Bc	1	✓	132.85	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	131.47	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	130.10	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Bcf	1	✓	62.67	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	63.14	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.35	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	62.25	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Bf	1	✓	227.81	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
	2	✓	228.44	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
C	1	✓	121.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	122.36	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Cf	1	✓	144.60	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
	2	✓	145.86	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
D	1		55.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2		55.00	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
	3	✓	52.87	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	100
Dc	1	✓	50.67	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	48.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	46.78	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	4	✓	44.83	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100

Dcf	1	✓	65.95	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	65.92	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	68.61	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	66.73	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	66.90	CTM	0.00	Normal	✓			Directly entered	2100	100	100
Df	1		200.00	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
	2		200.00	NetworkDefault	0.00	Normal	✓			Directly entered	2250	100	100
Dxp	1	✓	46.62	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	48.64	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ec	1	✓	50.09	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	46.77	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	4	✓	45.93	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	100
Ecf	1	✓	45.94	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	2	✓	46.37	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	46.93	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	50.37	CTM	0.00	Normal	✓			Directly entered	2300	100	100
Ef	1	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	1	✓	51.83	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.71	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	1	✓	85.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	87.25	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
Fc	1	✓	183.21	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	2	✓	181.45	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	180.28	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
Ff	1	✓	275.73	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
	2	✓	275.39	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
G	1	✓	156.15	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	152.60	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Gf	1	✓	38.89	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	38.45	CTM	0.00	Normal	✓			Directly entered	2050	100	100

xA	1	✓	229.66	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	229.97	CTM	0.00	Normal	✓			Directly entered	2263	100	100
xB	1	✓	77.15	NetworkDefault	0.00	Normal						100	100
xC	1	✓	115.60	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
	2	✓	115.98	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
xD	1	✓	121.71	NetworkDefault	0.00	Normal						100	100
	2	✓	122.74	NetworkDefault	0.00	Normal						100	100
xE	1	✓	173.89	NetworkDefault	0.00	Normal						100	100
	2	✓	173.83	NetworkDefault	0.00	Normal						100	100
xF	1	✓	162.53	NetworkDefault	0.00	Normal						100	100
Cc1	1	✓	95.84	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E1	1		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
Gf1	1	✓	49.26	NetworkDefault	0.00	Normal			✓			100	100
Cc2	2	✓	91.58	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	89.25	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	4	✓	88.96	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	5	✓	88.65	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E2	3	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
TC5	2	✓	23.03	CTM	0.00	Normal	✓	✓		Sum of lanes	2263	100	100
	3	✓	23.02	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	4	✓	24.43	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
TC9	1	✓	91.71	CTM	0.00	Normal	✓	✓		Directly entered	1925	100	100
	2	✓	92.11	CTM	0.00	Normal	✓	✓		Sum of lanes	1966	100	100
	3	✓	92.69	CTM	0.00	Normal	✓	✓		Sum of lanes	1947	100	100
TC35	1	✓	24.16	CTM	0.00	Normal	✓	✓		Directly entered	1900	100	100
TC36	1	✓	25.22	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
TC37	1	✓	44.32	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
TC38	1	✓	21.32	CTM	0.00	Normal	✓		✓	Directly entered	1850	100	100
TC39	2	✓	35.24	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	33.28	CTM	0.00	Normal	✓			Directly entered	2263	100	100
TC40	2	✓	58.74	PDM	0.00	Normal						100	100
	3	✓	55.82	PDM	0.00	Normal						100	100
TC41	1	✓	54.63	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
TC42	1	✓	23.35	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1771	100	100
TC43	1	✓	51.77	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
47	1	✓	133.63	CTM	0.00	Normal	✓			Directly entered	1300	100	100

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

Data entry - Link

Results - Pedestrian

Pedestrian Crossings: Pedestrian summary

Time Segment	Pedestrian crossing	Side	Calculated Flow Entering (Ped/hr)	Degree of saturation (%)	Actual green (s (per cycle))	Mean Delay Per Ped (s)	Mean max queue (Ped)
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	56	0.00	0.00
		2	0	0	56	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	68	0.00	0.00
		2	0	0	68	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	20	0.00	0.00
		2	0	0	20	0.00	0.00
	10	1	0	0	32	0.00	0.00
		2	0	0	32	0.00	0.00
	11	1	0	0	64	0.00	0.00
		2	0	0	64	0.00	0.00
	12	1	0	0	62	0.00	0.00
		2	0	0	62	0.00	0.00
	13	1	0	0	8	0.00	0.00
		2	0	0	8	0.00	0.00
	14	1	0	0	102	0.00	0.00
		2	0	0	102	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	6	0.00	0.00
		2	0	0	6	0.00	0.00
	17	1	0	0	5	0.00	0.00
		2	0	0	5	0.00	0.00

Traffic Stream Results

Traffic Stream Results: Vehicle summary

Time Segment	Arm	Traffic Stream	Degree of saturation (%)	Practical reserve capacity (%)	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Performance Index (£ per hr)
	A	1	55	65	354	2050	36	15.09	5.23	40.37	21.08	8.74	29.81
		2	30	204	192	2050	36	11.75	2.60	19.45	8.90	4.25	13.15
		3	49	85	315	2050	36	14.76	4.97	36.39	18.33	7.83	26.16
		4	39	134	250	2050	36	13.40	3.28	23.45	13.21	6.01	19.22
	Ac	1	82	10	1018	2263	64	13.94	8.79	52.74	55.99	13.52	69.51
		2	16	480	186	2263	64	1.64	2.12	13.22	1.20	1.14	2.34
		3	24	278	296	2263	64	1.71	4.71	30.79	2.00	3.64	5.64
	Acf	1	53	69	1204	2263	120	0.90	0.30	2.50	4.29	0.00	4.29
		2	13	588	296	2263	120	0.12	0.01	0.08	0.14	0.00	0.14
	Af	1	27	238	546	2050	120	0.32	0.05	0.52	0.69	0.00	0.69
		2	15	486	315	2050	120	0.16	0.01	0.15	0.20	0.00	0.20
		3	12	638	250	2050	120	0.12	0.01	0.09	0.12	0.00	0.12
	B	1	44	104	302	2050	38	17.72	3.70	22.46	21.11	7.12	28.23
		2	59	53	417	2150	38	20.24	5.57	32.96	33.29	10.63	43.92
		3	68	32	470	2100	38	22.78	6.53	37.65	42.23	12.53	54.75
		4	83	9	565	2050	38	30.44	9.83	55.18	67.85	7.32	75.17
	Bc	1	40	123	414	2050	58	4.70	2.07	8.95	7.67	1.32	8.99
		2	49	85	498	2050	58	6.16	2.16	9.45	12.11	2.72	14.83
		3	32	182	327	2050	58	3.07	0.49	2.18	3.96	0.66	4.62
	Bcf	1	61	48	1372	2263	120	1.22	0.47	4.28	6.62	0.00	6.62
		2	18	392	414	2263	120	0.18	0.02	0.19	0.29	0.00	0.29
		3	22	309	498	2263	120	0.22	0.03	0.29	0.44	0.00	0.44
		4	14	523	327	2263	120	0.13	0.01	0.11	0.17	0.00	0.17
	Bf	1	40	125	719	1800	120	0.66	0.13	0.33	1.88	0.00	1.88
		2	58	57	1035	1800	120	1.35	0.39	0.98	5.51	0.00	5.51
	C	1	86	4	484	2100	30	47.23	10.27	48.77	90.11	7.59	97.70
		2	96	-6	564	2200	30	136.12	27.38	128.65	303.05	17.70	320.75
		3	63	42	347	2050	30	24.48	6.35	29.36	33.46	4.75	38.21
	Cf	1	25	266	484	1965	120	0.30	0.04	0.16	0.57	0.00	0.57
		2	100	-10	911	1965	120	105.33	39.24	154.70	378.48	23.44	401.92
	D	1	52	74	370	2050	40	25.89	4.92	51.46	37.80	9.47	47.27
		2	100	-10	648	1850	40	100.95	21.52	224.95	257.82	27.15	284.97
		3	100	-10	742	2250	40	86.44	20.10	218.55	253.06	23.62	276.68
	Dc	1	85	6	922	2100	60	16.56	9.22	104.61	60.26	17.55	77.82
		2	68	32	743	2100	60	11.62	7.45	87.94	34.03	14.27	48.31
		3	71	27	568	2100	60	11.25	5.86	71.99	25.21	12.82	38.03
		4	98	-8	912	2100	60	53.17	17.49	224.29	191.19	33.40	224.59
	Dcf	1	30	202	612	2050	120	0.37	0.06	0.55	0.90	0.00	0.90
		2	71	27	1154	2100	120	5.74	8.85	77.20	26.15	12.77	38.92
		3	42	114	743	2100	120	1.15	2.38	19.95	3.37	2.31	5.67
		4	27	233	568	2100	120	0.32	0.05	0.43	0.71	0.00	0.71
		5	53	70	912	2100	120	5.10	9.96	85.62	18.34	10.56	28.90
	Df	1	107	-16	1086	1900	120	145.22	57.02	163.92	622.08	30.77	652.84
		2	104	-13	770	2250	120	117.68	34.14	98.14	357.43	20.07	377.50
	Dxp	1	35	155	616	2050	101	0.97	1.26	15.49	2.36	1.03	3.39
		2	13	577	232	2050	101	0.31	0.15	1.76	0.29	0.13	0.41
	Ec	1	46	94	599	2150	70	6.44	3.72	42.69	15.23	7.27	22.50
		2	85	6	1153	2263	70	13.53	9.25	109.78	61.50	17.67	79.16
		3	86	5	1161	2263	70	10.82	6.74	82.83	49.55	12.83	62.38
		4	39	131	526	2250	70	13.42	7.04	88.09	27.86	13.53	41.39
	Ecf	1	52	74	1084	2100	120	0.95	4.93	61.73	4.08	0.73	4.80
		2	45	99	952	2100	120	0.71	0.19	2.32	2.66	0.00	2.66
		3	69	30	1153	2263	120	6.66	7.17	87.88	30.28	13.48	43.76
		4	90	0	1717	2300	120	9.63	9.75	111.35	65.23	17.91	83.13

07:30-08:30	Ef	1	105	-15	871	1900	120	132.88	42.42	191.23	456.53	23.84	480.36
		2	26	251	487	1900	120	0.33	0.04	0.20	0.63	0.00	0.63
	Exp	1	63	43	1084	2050	100	2.94	5.22	57.90	12.58	4.45	17.03
		2	20	341	352	2050	100	0.28	2.35	25.11	0.38	0.09	0.47
	F	1	74	22	283	2100	20	35.69	5.00	33.74	39.84	9.53	49.36
		2	48	87	185	2100	20	26.25	2.85	19.09	19.16	5.45	24.61
		3	58	55	224	2100	20	28.83	3.57	23.55	25.48	6.86	32.34
	Fc	1	87	3	1349	2263	80	9.35	7.14	22.40	49.77	7.01	56.78
		2	85	6	1203	2263	80	11.70	12.49	39.59	55.52	11.61	67.12
		3	69	30	1064	2263	80	6.83	18.73	59.75	28.68	12.31	40.99
	Ff	1	25	265	468	1900	120	0.31	0.04	0.08	0.57	0.00	0.57
		2	12	663	224	1900	120	0.13	0.01	0.02	0.11	0.00	0.11
	G	1	73	23	355	2050	28	47.01	7.77	28.63	65.81	7.09	72.91
		2	32	179	161	2050	28	41.40	2.76	10.40	26.29	5.68	31.98
	Gf	1	17	424	352	2050	120	0.19	2.34	34.61	0.26	0.06	0.32
		2	7	1265	135	2050	120	0.11	2.33	34.79	0.06	0.11	0.16
	xA	1	68	32	1410	2263	120	2.22	7.70	19.28	12.37	4.07	16.44
		2	62	45	1398	2263	120	1.32	2.92	7.30	7.26	0.79	8.04
	xB	1	0	Unrestricted	1372	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	49	84	577	1900	120	7.42	11.83	58.84	16.89	11.03	27.92
		2	25	263	339	1900	120	2.93	4.71	23.34	3.92	4.95	8.88
	xD	1	0	Unrestricted	616	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	232	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	0	Unrestricted	1084	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	352	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	0	Unrestricted	651	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	35	154	400	2050	64	7.51	2.62	15.73	11.85	4.73	16.58
	E1	1	57	59	290	2050	28	35.94	5.18	37.24	41.06	9.96	51.02
		2	98	-8	537	2200	28	124.17	22.32	160.41	263.24	32.98	296.23
	Gf1	1	4	1997	29	674	120	1.83	0.21	2.41	0.21	0.30	0.50
	Cc2	2	46	97	546	2150	66	11.56	5.25	32.95	24.88	11.03	35.91
		3	57	57	666	2050	66	13.78	11.05	71.17	36.20	14.71	50.91
		4	76	18	816	2150	66	17.86	13.31	86.00	57.50	24.12	81.62
		5	49	85	565	2050	66	17.34	11.88	77.03	38.65	13.48	52.13
	E2	3	67	34	352	2150	28	27.40	5.55	59.87	38.04	10.44	48.47
		4	26	242	135	2050	28	19.34	2.37	25.04	10.30	3.34	13.64
	TC5	2	61	47	1192	2263	101	2.38	3.39	84.52	11.20	1.27	12.47
		3	72	25	1398	2263	101	2.58	2.61	65.15	14.23	0.77	15.00
		4	0	Unrestricted	0	1800	11	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	37	143	528	1925	86	6.26	5.95	37.31	13.04	2.11	15.15
		2	21	327	307	1966	86	5.08	3.03	18.89	6.15	1.11	7.26
		3	17	433	244	1947	86	4.84	2.25	13.98	4.66	0.85	5.50
	TC35	1	13	575	217	1900	101	1.26	1.46	34.74	1.08	0.28	1.36
	TC36	1	3	3422	46	1800	120	0.03	0.00	0.01	0.00	0.00	0.00
	TC37	1	1	10405	14	1850	105	0.88	0.05	0.71	0.05	0.06	0.11
	TC38	1	6	1421	14	237	120	3.71	2.42	65.20	0.21	0.28	0.48
	TC39	2	53	71	1192	2263	120	0.88	0.29	4.78	4.16	0.00	4.16
		3	62	46	1398	2263	120	1.28	0.50	8.60	7.07	0.00	7.07
	TC40	2	0	Unrestricted	1206	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		3	0	Unrestricted	1398	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	TC41	1	23	290	32	1850	8	56.12	2.45	25.79	7.08	1.07	8.15
	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	28	916	1300	120	3.28	0.83	3.59	11.83	0.00	11.83
	48	1	106	-15	1485	1965	120	133.35	74.66	778.75	781.09	41.37	822.46
	49	1	28	224	528	1900	120	0.36	0.05	1.17	0.76	0.00	0.76
		2	29	210	551	1900	120	0.39	0.06	1.30	0.84	0.00	0.84
	50	1	92	-3	1754	1900	120	10.51	5.12	61.16	72.72	0.00	72.72

	51	1	36	147	692	1900	120	0.54	0.10	1.60	1.48	0.00	1.48

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	354	354	0		2050	649	55		65	0.51	36
		2	192	192	0		2050	649	30		204	0.54	36
		3	315	315	-1		2050	649	49		85	0.52	36
		4	250	250	-1		2050	649	39		134	0.51	36
	Ac	1	1018	1018	47	✓	2263	1245	82		10	1.02	64
		2	186	186	0		2263	1197	16		480	1.60	64
		3	296	296	3	✓	2263	1245	24		278	1.20	64
	Acf	1	1204	1204	47	✓	2263	2263	53		69	0.83	120
		2	296	296	3	✓	2263	2263	13		588	1.20	120
	Af	1	546	546	0		2050	2050	27		238	0.52	120
		2	315	315	-1		2050	2050	15		486	0.52	120
		3	250	250	-1		2050	2050	12		638	0.51	120
	B	1	302	302	0		2050	683	44		104	0.00	38
		2	417	417	0		2150	709	59		53	0.00	38
		3	470	470	0		2100	691	68		32	0.00	38
		4	565	565	0		2050	683	83		9	0.00	38
	Bc	1	414	414	0		2050	1025	40		123	1.35	58
		2	498	498	3	✓	2050	1025	49		85	1.00	58
		3	327	327	-1		2050	1025	32		182	1.25	58
	Bcf	1	1372	1372	47	✓	2263	2263	61		48	0.66	120
		2	414	414	0		2263	2263	18		392	1.35	120
		3	498	498	3	✓	2263	2263	22		309	1.00	120
		4	327	327	-1		2263	2263	14		523	1.25	120
	Bf	1	719	719	0		1800	1800	40		125	0.00	120
		2	1035	1035	0		1800	1800	58		57	0.00	120
	C	1	484	484	31	✓	2100	560	86		4	0.53	30
		2	564	564	37	✓	2200	587	96	✓	-6	1.00	30
		3	347	347	22	✓	2050	547	63		42	1.00	30
	Cf	1	484	484	31	✓	1965	1965	25		266	0.53	120
		2	911	911	59	✓	1965	911	100	✓	-10	0.53	120
	D	1	370	370	25	✓	2050	718	52		74	0.81	40
		2	648	648	44	✓	1850	648	100	✓	-10	0.81	40
		3	742	742	28	✓	2250	742	100	✓	-10	1.05	40
	Dc	1	922	922	26	✓	2100	1085	85		6	0.70	60
		2	743	743	24	✓	2100	1085	68		32	0.80	60
		3	568	568	11	✓	2100	802	71		27	0.90	60
		4	912	912	22	✓	2100	927	98	✓	-8	0.76	60
	Dcf	1	612	612	6	✓	2050	2050	30		202	1.07	120
		2	1154	1154	29	✓	2100	1622	71		27	0.58	120
		3	743	743	24	✓	2100	1767	42		114	0.76	120
		4	568	568	11	✓	2100	2100	27		233	0.90	120
		5	912	912	22	✓	2100	1722	53		70	1.07	120
	Df	1	1086	1018	0		1900	1018	107	✓	-16	0.00	120
		2	770	742	0		2250	742	104	✓	-13	0.00	120
	Dxp	1	616	616	2	✓	2050	1743	35		155	1.00	101
		2	232	232	2	✓	2050	1743	13		577	0.99	101
	Ec	1	599	599	30	✓	2150	1290	46		94	0.91	70
		2	1153	1153	50	✓	2263	1358	85		6	0.70	70
		3	1161	1161	33	✓	2263	1358	86		5	0.68	70
		4	526	526	21	✓	2250	1350	39		131	1.03	70
		1	1084	1084	37	✓	2100	2093	52		74	0.69	120

07:30-08:30	Ecf	2	952	952	38	✓	2100	2100	45		99	0.82	120
		3	1153	1153	50	✓	2263	1664	69		30	0.59	120
		4	1717	1717	54	✓	2300	1913	90		0	0.38	120
	Ef	1	871	827	0		1900	827	105	✓	-15	0.00	120
		2	487	487	0		1900	1900	26		251	0.00	120
	Exp	1	1084	1084	37	✓	2050	1725	63		43	0.69	100
		2	352	352	8	✓	2050	1725	20		341	1.22	100
	F	1	283	283	0		2100	385	74		22	0.00	20
		2	185	185	0		2100	385	48		87	0.00	20
		3	224	224	-1		2100	385	58		55	0.00	20
	Fc	1	1349	1349	61	✓	2263	1546	87		3	0.68	80
		2	1203	1203	35	✓	2263	1413	85		6	0.83	80
		3	1064	1064	49	✓	2263	1532	69		30	0.99	80
	Ff	1	468	468	0		1900	1900	25		265	0.00	120
		2	224	224	-1		1900	1900	12		663	0.00	120
	G	1	355	355	0		2050	485	73		23	1.50	28
		2	161	161	1	✓	2050	500	32		179	1.44	28
	Gf	1	352	352	0		2050	2050	17		424	1.50	120
		2	135	135	0		2050	2047	7		1265	1.50	120
	xA	1	1410	1410	50	✓	2263	2063	68		32	0.52	120
		2	1398	1398	44	✓	2263	2255	62		45	0.68	120
	xB	1	1372	1372	47	✓	Unrestricted	Unrestricted	0		Unrestricted	0.47	120
	xC	1	577	577	0		1900	1180	49		84	1.13	120
		2	339	339	1	✓	1900	1369	25		263	1.28	120
	xD	1	616	616	2	✓	Unrestricted	Unrestricted	0		Unrestricted	0.92	120
		2	232	232	2	✓	Unrestricted	Unrestricted	0		Unrestricted	0.86	120
	xE	1	1084	1084	37	✓	Unrestricted	Unrestricted	0		Unrestricted	0.61	120
		2	352	352	8	✓	Unrestricted	Unrestricted	0		Unrestricted	1.04	120
	xF	1	651	651	32	✓	Unrestricted	Unrestricted	0		Unrestricted	0.73	120
	Cc1	1	400	400	0		2050	1128	35		154	1.22	64
	E1	1	290	290	15	✓	2050	513	57		59	0.95	28
		2	537	537	29	✓	2200	550	98	✓	-8	0.95	28
	Gf1	1	29	29	1	✓	674	674	4		1997	1.05	120
	Cc2	2	546	546	2	✓	2150	1198	46		97	0.97	66
		3	666	666	-1		2050	1162	57		57	1.08	66
		4	816	816	1	✓	2150	1067	76		18	0.87	66
		5	565	565	0		2050	1160	49		85	1.33	66
	E2	3	352	352	0		2150	522	67		34	0.00	28
		4	135	135	0		2050	513	26		242	0.00	28
	TC5	2	1192	1192	46	✓	2263	1942	61		47	0.53	101
		3	1398	1398	44	✓	2263	1942	72		25	0.68	101
		4	0	0	0		1800	180	0		Unrestricted	0.00	11
	TC9	1	528	528	0		1925	1428	37		143	0.00	86
		2	307	307	0		1966	1458	21		327	0.00	86
		3	244	244	0		1947	1444	17		433	0.00	86
	TC35	1	217	217	5	✓	1900	1631	13		575	0.82	101
	TC36	1	46	46	-1		1800	1800	3		3422	0.00	120
	TC37	1	14	14	0		1850	1634	1		10405	0.00	105
	TC38	1	14	14	0		237	237	6		1421	0.23	120
	TC39	2	1192	1192	46	✓	2263	2263	53		71	0.59	120
		3	1398	1398	44	✓	2263	2263	62		46	0.71	120
	TC40	2	1206	1206	46	✓	Unrestricted	Unrestricted	0		Unrestricted	0.49	120
		3	1398	1398	44	✓	Unrestricted	Unrestricted	0		Unrestricted	0.61	120
	TC41	1	32	32	-1		1850	139	23		290	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	916	916	1	✓	1300	1300	70		28	0.56	120
	48	1	1485	1395	0		1965	1395	106	✓	-15	0.00	120

	49	1	528	528	0		1900	1900	28		224	0.00	120
		2	551	551	0		1900	1900	29		210	0.00	120
	50	1	1754	1754	0		1900	1900	92	✓	-3	0.00	120
	51	1	692	692	-1		1900	1900	36		147	0.00	120

Traffic Stream Results: Stops and delays

Time Segment	Arm	Traffic Stream	Mean Cruise Time per Veh (s)	Mean Delay per Veh (s)	Total delay (PCU-hr/hr)	Weighted cost of delay (£ per hr)	Mean stops per Veh (%)	Total stops (Stops per hr)	Weighted cost of stops (£ per hr)
	A	1	5.59	15.09	1.48	21.08	76.88	272.16	8.74
		2	5.77	11.75	0.63	8.90	69.04	132.56	4.25
		3	5.90	14.76	1.29	18.33	77.40	243.81	7.83
		4	6.03	13.40	0.93	13.21	74.94	187.35	6.01
	Ac	1	7.19	13.94	3.94	55.99	41.35	421.06	13.52
		2	9.50	1.64	0.08	1.20	35.89	66.69	1.14
		3	6.60	1.71	0.14	2.00	38.24	113.27	3.64
	Acf	1	5.22	0.90	0.30	4.29	0.00	0.00	0.00
		2	7.24	0.12	0.01	0.14	0.00	0.00	0.00
	Af	1	6.42	0.32	0.05	0.69	0.00	0.00	0.00
		2	6.38	0.16	0.01	0.20	0.00	0.00	0.00
		3	6.36	0.12	0.01	0.12	0.00	0.00	0.00
	B	1	7.10	17.72	1.49	21.11	73.43	221.76	7.12
		2	7.29	20.24	2.34	33.29	79.45	331.31	10.63
		3	7.48	22.78	2.97	42.23	83.03	390.22	12.53
		4	12.29	30.44	4.78	67.85	103.33	583.81	7.32
	Bc	1	11.96	4.70	0.54	7.67	14.28	59.11	1.32
		2	11.83	6.16	0.85	12.11	24.50	122.07	2.72
		3	11.71	3.07	0.28	3.96	9.05	29.60	0.66
	Bcf	1	4.15	1.22	0.47	6.62	0.00	0.00	0.00
		2	5.24	0.18	0.02	0.29	0.00	0.00	0.00
		3	5.62	0.22	0.03	0.44	0.00	0.00	0.00
		4	5.97	0.13	0.01	0.17	0.00	0.00	0.00
	Bf	1	27.34	0.66	0.13	1.88	0.00	0.00	0.00
		2	27.41	1.35	0.39	5.51	0.00	0.00	0.00
	C	1	14.54	47.23	6.35	90.11	125.16	605.32	7.59
		2	14.68	136.12	21.34	303.05	250.08	1411.48	17.70
		3	14.92	24.48	2.36	33.46	109.35	378.93	4.75
	Cf	1	17.35	0.30	0.04	0.57	0.00	0.00	0.00
		2	17.50	105.33	26.65	378.48	205.20	1869.24	23.44
	D	1	4.13	25.89	2.66	37.80	79.74	295.16	9.47
		2	4.13	100.95	18.16	257.82	130.63	845.84	27.15
		3	3.97	86.44	17.82	253.06	99.12	735.71	23.62
	Dc	1	3.80	16.56	4.24	60.26	59.28	546.86	17.55
		2	3.65	11.62	2.40	34.03	59.89	444.68	14.27
		3	3.51	11.25	1.78	25.21	70.33	399.37	12.82
		4	3.36	53.17	13.46	191.19	114.15	1040.48	33.40
	Dcf	1	4.95	0.37	0.06	0.90	0.00	0.00	0.00
		2	4.94	5.74	1.84	26.15	34.48	397.89	12.77
		3	5.48	1.15	0.24	3.37	10.36	76.92	2.31
		4	7.10	0.32	0.05	0.71	0.00	0.00	0.00
		5	5.02	5.10	1.29	18.34	36.10	329.08	10.56
	Df	1	24.00	145.22	43.81	622.08	241.12	2453.71	30.77
		2	24.00	117.68	25.17	357.43	215.67	1600.71	20.07
	Dxp	1	3.50	0.97	0.17	2.36	5.19	32.00	1.03
		2	3.65	0.31	0.02	0.29	1.72	3.98	0.13
	Ec	1	3.76	6.44	1.07	15.23	37.77	226.36	7.27
		2	3.63	13.53	4.33	61.50	47.76	550.42	17.67
		3	3.51	10.82	3.49	49.55	34.42	399.67	12.83
		4	3.44	13.42	1.96	27.86	80.11	421.65	13.53

07:30-08:30	Ecf	1	3.45	0.95	0.29	4.08	2.09	22.61	0.73
		2	3.48	0.71	0.19	2.66	0.00	0.00	0.00
		3	3.52	6.66	2.13	30.28	36.44	420.03	13.48
		4	3.86	9.63	4.59	65.23	33.24	570.59	17.91
	Ef	1	15.31	132.88	32.15	456.53	229.84	1901.09	23.84
		2	15.31	0.33	0.04	0.63	0.00	0.00	0.00
	Exp	1	3.89	2.94	0.89	12.58	12.79	138.62	4.45
		2	4.03	0.28	0.03	0.38	0.81	2.86	0.09
	F	1	6.38	35.69	2.81	39.84	104.86	296.75	9.53
		2	6.43	26.25	1.35	19.16	91.86	169.94	5.45
		3	6.54	28.83	1.79	25.48	95.42	213.75	6.86
	Fc	1	19.10	9.35	3.50	49.77	31.19	420.78	7.01
		2	18.72	11.70	3.91	55.52	56.86	684.11	11.61
		3	19.42	6.83	2.02	28.68	73.90	786.21	12.31
	Ff	1	33.09	0.31	0.04	0.57	0.00	0.00	0.00
		2	33.05	0.13	0.01	0.11	0.00	0.00	0.00
	G	1	16.06	47.01	4.63	65.81	117.10	415.57	7.09
		2	11.45	41.40	1.85	26.29	109.94	177.03	5.68
	Gf	1	2.92	0.19	0.02	0.26	0.49	1.72	0.06
		2	2.88	0.11	0.00	0.06	2.44	3.29	0.11
	xA	1	17.22	2.22	0.87	12.37	9.00	126.90	4.07
		2	17.25	1.32	0.51	7.26	1.76	24.54	0.79
	xB	1	5.79	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	8.67	7.42	1.19	16.89	59.55	343.52	11.03
		2	8.70	2.93	0.28	3.92	45.50	154.25	4.95
	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	6.67	7.51	0.83	11.85	30.83	123.32	4.73
	E1	1	6.00	35.94	2.89	41.06	107.17	310.40	9.96
		2	6.00	124.17	18.54	263.24	191.18	1027.58	32.98
	Gf1	1	3.69	1.83	0.01	0.21	31.90	9.22	0.30
	Cc2	2	7.09	11.56	1.75	24.88	62.83	342.98	11.03
		3	7.42	13.78	2.55	36.20	79.78	531.33	14.71
		4	6.99	17.86	4.05	57.50	94.56	771.65	24.12
		5	7.98	17.34	2.72	38.65	107.04	604.77	13.48
	E2	3	4.00	27.40	2.68	38.04	92.38	325.17	10.44
		4	4.07	19.34	0.73	10.30	77.08	104.06	3.34
	TC5	2	2.76	2.38	0.79	11.20	8.51	101.51	1.27
		3	2.76	2.58	1.00	14.23	4.37	61.14	0.77
		4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	11.00	6.26	0.92	13.04	31.93	168.60	2.11
		2	11.05	5.08	0.43	6.15	28.74	88.25	1.11
		3	11.12	4.84	0.33	4.66	27.71	67.61	0.85
	TC35	1	2.90	1.26	0.08	1.08	10.14	22.05	0.28
	TC36	1	3.03	0.03	0.00	0.00	0.00	0.00	0.00
	TC37	1	3.19	0.88	0.00	0.05	11.67	1.63	0.06
	TC38	1	1.53	3.71	0.01	0.21	57.38	8.03	0.28
	TC39	2	2.54	0.88	0.29	4.16	0.00	0.00	0.00
		3	2.40	1.28	0.50	7.07	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	56.12	0.50	7.08	95.70	30.62	1.07
	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	3.28	0.83	11.83	0.00	0.00	0.00

	48	1	6.61	133.35	55.01	781.09	236.58	3299.34	41.37
	49	1	3.15	0.36	0.05	0.76	0.00	0.00	0.00
		2	3.15	0.39	0.06	0.84	0.00	0.00	0.00
	50	1	5.78	10.51	5.12	72.72	0.00	0.00	0.00
	51	1	4.50	0.54	0.10	1.48	0.00	0.00	0.00

Traffic Stream Results: Queues and blocking

Time Segment	Arm	Traffic Stream	Initial queue (PCU)	Mean max queue (PCU)	Max queue storage (PCU)	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))	Estimated blocking
	A	1	0.00	5.23	12.96	40.37	0.00	0.00	
		2	0.00	2.60	13.37	19.45	0.00	0.00	
		3	0.00	4.97	13.67	36.39	0.00	0.00	
		4	0.00	3.28	13.97	23.45	0.00	0.00	
	Ac	1	0.00	8.79	16.66	52.74	0.00	8.00	
		2	0.00	2.12	16.06	13.22	0.00	44.55	
		3	0.00	4.71	15.30	30.79	0.00	18.00	
	Acf	1	0.00	0.30	12.10	2.50	0.00	32.00	
		2	0.00	0.01	12.25	0.08	0.00	68.00	
	Af	1	0.00	0.05	9.31	0.52	0.00	29.00	
		2	0.00	0.01	9.25	0.15	0.00	29.00	
		3	0.00	0.01	9.22	0.09	0.00	29.00	
	B	1	0.00	3.70	16.46	22.46	0.00	0.00	
		2	0.00	5.57	16.90	32.96	0.00	0.42	
		3	0.00	6.53	17.34	37.65	0.00	0.52	
		4	0.00	9.83	17.81	55.18	0.00	0.00	
	Bc	1	0.00	2.07	23.10	8.95	0.00	8.00	
		2	0.00	2.16	22.87	9.45	0.00	8.00	
		3	0.00	0.49	22.63	2.18	0.00	12.00	
	Bcf	1	0.00	0.47	10.90	4.28	0.00	24.00	
		2	0.00	0.02	10.98	0.19	0.00	58.00	
		3	0.00	0.03	10.84	0.29	0.00	34.00	
		4	0.00	0.01	10.83	0.11	0.00	64.00	
	Bf	1	0.00	0.13	39.62	0.33	0.00	0.00	
		2	0.00	0.39	39.73	0.98	0.00	0.00	
	C	1	0.00	10.27	21.07	48.77	0.00	0.00	
		2	0.00	27.38	21.28	128.65	0.00	0.00	
		3	0.00	6.35	21.63	29.36	0.00	10.00	
	Cf	1	0.00	0.04	25.15	0.16	0.00	24.00	
		2	0.00	39.24	25.37	154.70	0.00	64.37	
	D	1	0.00	4.92	9.57	51.46	0.00	2.00	
		2	0.00	21.52	9.57	224.95	0.00	0.00	
		3	0.00	20.10	9.20	218.55	0.00	2.42	
	Dc	1	0.00	9.22	8.81	104.61	0.00	0.02	
		2	0.00	7.45	8.47	87.94	0.00	0.00	
		3	0.00	5.86	8.14	71.99	0.00	28.17	
		4	0.00	17.49	7.80	224.29	0.00	9.04	
	Dcf	1	0.00	0.06	11.47	0.55	0.00	32.00	
		2	0.00	8.85	11.46	77.20	0.00	47.31	
		3	0.00	2.38	11.93	19.95	0.00	41.04	
		4	0.00	0.05	11.60	0.43	0.00	50.00	
		5	0.00	9.96	11.64	85.62	0.00	63.59	
	Df	1	0.00	57.02	34.78	163.92	0.00	55.73	
		2	0.00	34.14	34.78	98.14	0.00	80.42	
	Dxp	1	0.00	1.26	8.11	15.49	0.00	15.00	
		2	0.00	0.15	8.46	1.76	0.00	41.00	
	Ec	1	0.00	3.72	8.71	42.69	0.00	10.00	
		2	0.00	9.25	8.42	109.78	0.00	10.00	
		3	0.00	6.74	8.13	82.83	0.00	0.00	

07:30-08:30		4	0.00	7.04	7.99	88.09	0.00	30.00	
	Ecf	1	0.00	4.93	7.99	61.73	0.00	20.39	
		2	0.00	0.19	8.06	2.32	0.00	18.00	
		3	0.00	7.17	8.16	87.88	0.00	51.74	
		4	0.00	9.75	8.76	111.35	0.00	28.20	
	Ef	1	0.00	42.42	22.18	191.23	0.00	67.76	
		2	0.00	0.04	22.18	0.20	0.00	0.00	
	Exp	1	0.00	5.22	9.01	57.90	0.00	15.00	
		2	0.00	2.35	9.34	25.11	0.00	55.00	
	F	1	0.00	5.00	14.80	33.74	0.00	0.00	
		2	0.00	2.85	14.91	19.09	0.00	0.00	
		3	0.00	3.57	15.17	23.55	0.00	0.00	
	Fc	1	0.00	7.14	31.86	22.40	0.00	10.00	
		2	0.00	12.49	31.56	39.59	0.00	13.07	
		3	0.00	18.73	31.35	59.75	0.00	16.78	
	Ff	1	0.00	0.04	47.95	0.08	0.00	0.00	
		2	0.00	0.01	47.89	0.02	0.00	0.00	
	G	1	0.00	7.77	27.16	28.63	0.00	7.61	
		2	0.00	2.76	26.54	10.40	0.00	18.73	
	Gf	1	0.00	2.34	6.76	34.61	0.00	90.03	
		2	0.00	2.33	6.69	34.79	0.00	90.18	
	xA	1	0.00	7.70	39.94	19.28	0.00	28.61	
		2	0.00	2.92	39.99	7.30	0.00	28.40	
	xB	1	0.00	0.00	13.42	0.00	0.00	2.00	
	xC	1	0.00	11.83	20.10	58.84	0.00	57.48	
		2	0.00	4.71	20.17	23.34	0.00	63.55	
	xD	1	0.00	0.00	21.17	0.00	0.00	15.00	
		2	0.00	0.00	21.35	0.00	0.00	49.00	
	xE	1	0.00	0.00	30.24	0.00	0.00	11.00	
		2	0.00	0.00	30.23	0.00	0.00	54.00	
	xF	1	0.00	0.00	28.27	0.00	0.00	8.00	
	Cc1	1	0.00	2.62	16.67	15.73	0.00	10.00	
	E1	1	0.00	5.18	13.91	37.24	0.00	12.00	
		2	0.00	22.32	13.91	160.41	0.00	0.00	
	Gf1	1	0.00	0.21	8.57	2.41	0.00	86.00	
	Cc2	2	0.00	5.25	15.93	32.95	0.00	9.16	
		3	0.00	11.05	15.52	71.17	0.00	8.00	
		4	0.00	13.31	15.47	86.00	0.00	16.44	
		5	0.00	11.88	15.42	77.03	0.00	34.12	
	E2	3	0.00	5.55	9.27	59.87	0.00	0.85	
		4	0.00	2.37	9.45	25.04	0.00	0.00	
	TC5	2	0.00	3.39	4.01	84.52	0.00	15.00	
		3	0.00	2.61	4.00	65.15	0.00	18.00	
		4	0.00	0.00	4.25	0.00	0.00	12.00	
	TC9	1	0.00	5.95	15.95	37.31	0.00	0.00	
		2	0.00	3.03	16.02	18.89	0.00	0.00	
		3	0.00	2.25	16.12	13.98	0.00	0.00	
	TC35	1	0.00	1.46	4.20	34.74	0.00	21.00	
	TC36	1	0.00	0.00	4.39	0.01	0.00	120.00	
	TC37	1	0.00	0.05	7.71	0.71	0.00	105.00	
	TC38	1	0.00	2.42	3.71	65.20	0.00	46.00	
	TC39	2	0.00	0.29	6.13	4.78	0.00	32.00	
		3	0.00	0.50	5.79	8.60	0.00	35.00	
	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	17.00	
	TC41	1	0.00	2.45	9.50	25.79	0.00	7.00	
	TC42	1	0.00	0.00	4.06	0.00	0.00	0.00	
	TC43	1	0.00	0.00	9.00	0.00	0.00	120.00	

	47	1	0.00	0.83	23.24	3.59	0.00	12.00	
	48	1	0.00	74.66	9.59	778.75	0.00	34.83	
	49	1	0.00	0.05	4.56	1.17	0.00	0.00	
		2	0.00	0.06	4.56	1.30	0.00	0.00	
	50	1	0.00	5.12	8.37	61.16	0.00	0.00	
	51	1	0.00	0.10	6.52	1.60	0.00	0.00	

Traffic Stream Results: Advanced

Time Segment	Arm	Traffic Stream	Degree of saturation penalty (£ per hr)	Ped gap accepting penalty (£ per hr)	Warmed up	Mean Max Queue EoTS (PCU)	Max End of Green Queue EoTS (PCU)	Max End of Red Queue EoTS (PCU)	PCU Factor	Cost of traffic penalties (£ per hr)	Performance Index (£ per hr)
	A	1	0.00	0.00	✓	5.23	0.33	4.35	1.00	0.00	29.81
		2	0.00	0.00	✓	2.60	0.06	2.16	1.00	0.00	13.15
		3	0.00	0.00	✓	4.98	0.23	4.06	1.00	0.00	26.16
		4	0.00	0.00	✓	3.28	0.12	3.14	1.00	0.00	19.22
	Ac	1	0.00	0.00	✓	8.81	1.82	6.64	1.00	0.00	69.51
		2	0.00	0.00	✓	2.12	0.01	0.59	1.00	0.00	2.34
		3	0.00	0.00	✓	4.71	0.04	1.36	1.00	0.00	5.64
	Acf	1	0.00	0.00	✓	0.30			1.00	0.00	4.29
		2	0.00	0.00	✓	0.01			1.00	0.00	0.14
	Af	1	0.00	0.00	✓	0.05			1.00	0.00	0.69
		2	0.00	0.00	✓	0.01			1.00	0.00	0.20
		3	0.00	0.00	✓	0.01			1.00	0.00	0.12
	B	1	0.00	0.00	✓	3.70	0.17	3.61	1.00	0.00	28.23
		2	0.00	0.00	✓	5.57	0.42	5.26	1.00	0.00	43.92
		3	0.00	0.00	✓	6.53	0.72	6.20	1.00	0.00	54.75
		4	0.00	0.00	✓	9.87	1.93	8.84	1.00	0.00	75.17
	Bc	1	0.00	0.00	✓	2.07	0.14	0.99	1.00	0.00	8.99
		2	0.00	0.00	✓	2.16	0.23	2.04	1.00	0.00	14.83
		3	0.00	0.00	✓	0.49	0.07	0.49	1.00	0.00	4.62
	Bcf	1	0.00	0.00	✓	0.47			1.00	0.00	6.62
		2	0.00	0.00	✓	0.02			1.00	0.00	0.29
		3	0.00	0.00	✓	0.03			1.00	0.00	0.44
		4	0.00	0.00	✓	0.01			1.00	0.00	0.17
	Bf	1	0.00	0.00	✓	0.13			1.00	0.00	1.88
		2	0.00	0.00	✓	0.39			1.00	0.00	5.51
	C	1	0.00	0.00	✓	10.38	2.62	10.37	1.00	0.00	97.70
		2	0.00	0.00	✓	28.84	13.51	28.84	1.00	0.00	320.75
		3	0.00	0.00	✓	6.35	0.55	6.32	1.00	0.00	38.21
	Cf	1	0.00	0.00	✓	0.04			1.00	0.00	0.57
		2	0.00	0.00	✓	45.49			1.00	0.00	401.92
	D	1	0.00	0.00	✓	4.92	0.27	4.92	1.00	0.00	47.27
		2	0.00	0.00	✓	26.78	18.29	26.78	1.00	0.00	284.97
		3	0.00	0.00	✓	25.73	19.25	25.73	1.00	0.00	276.68
	Dc	1	0.00	0.00	✓	9.26	2.37	9.18	1.00	0.00	77.82
		2	0.00	0.00	✓	7.45	0.74	7.38	1.00	0.00	48.31
		3	0.00	0.00	✓	5.86	0.85	3.73	1.00	0.00	38.03
		4	0.00	0.00	✓	20.77	14.55	20.31	1.00	0.00	224.59
	Dcf	1	0.00	0.00	✓	0.06			1.00	0.00	0.90
		2	0.00	0.00	✓	8.85			1.00	0.00	38.92
		3	0.00	0.00	✓	2.38			1.00	0.00	5.67
		4	0.00	0.00	✓	0.05			1.00	0.00	0.71
		5	0.00	0.00	✓	9.96			1.00	0.00	28.90
	Df	1	0.00	0.00	✓	91.73			1.00	0.00	652.84
		2	0.00	0.00	✓	49.60			1.00	0.00	377.50
	Dxp	1	0.00	0.00	✓	1.26	0.10	1.15	1.00	0.00	3.39
		2	0.00	0.00	✓	0.15	0.01	0.15	1.00	0.00	0.41
		1	0.00	0.00	✓	3.72	0.20	3.61	1.00	0.00	22.50

07:30-08:30	Ec	2	0.00	0.00	✓	9.28	2.35	9.25	1.00	0.00	79.16
		3	0.00	0.00	✓	6.78	2.48	6.75	1.00	0.00	62.38
		4	0.00	0.00	✓	7.04	0.12	6.97	1.00	0.00	41.39
	Ecf	1	0.00	0.00	✓	4.93			1.00	0.00	4.80
		2	0.00	0.00	✓	0.19			1.00	0.00	2.66
		3	0.00	0.00	✓	7.18			1.00	0.00	43.76
		4	0.00	0.00	✓	9.84			1.00	0.00	83.13
	Ef	1	0.00	0.00	✓	65.27			1.00	0.00	480.36
		2	0.00	0.00	✓	0.04			1.00	0.00	0.63
	Exp	1	0.00	0.00	✓	5.22	0.53	3.12	1.00	0.00	17.03
		2	0.00	0.00	✓	2.35	0.03	0.03	1.00	0.00	0.47
	F	1	0.00	0.00	✓	5.01	1.00	4.93	1.00	0.00	49.36
		2	0.00	0.00	✓	2.85	0.22	2.79	1.00	0.00	24.61
		3	0.00	0.00	✓	3.58	0.40	3.51	1.00	0.00	32.34
	Fc	1	0.00	0.00	✓	7.19	2.93	6.94	1.00	0.00	56.78
		2	0.00	0.00	✓	12.53	2.65	6.99	1.00	0.00	67.12
		3	0.00	0.00	✓	18.74	0.79	6.19	1.00	0.00	40.99
	Ff	1	0.00	0.00	✓	0.04			1.00	0.00	0.57
		2	0.00	0.00	✓	0.01			1.00	0.00	0.11
	G	1	0.00	0.00	✓	7.79	0.98	6.90	1.00	0.00	72.91
		2	0.00	0.00	✓	2.76	0.08	2.76	1.00	0.00	31.98
	Gf	1	0.00	0.00	✓	2.34			1.00	0.00	0.32
		2	0.00	0.00	✓	2.33			1.00	0.00	0.16
	xA	1	0.00	0.00	✓	7.70			1.00	0.00	16.44
		2	0.00	0.00	✓	2.92			1.00	0.00	8.04
	xB	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	xC	1	0.00	0.00	✓	11.83			1.00	0.00	27.92
		2	0.00	0.00	✓	4.71			1.00	0.00	8.88
	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	✓	2.62	0.10	2.06	1.00	0.00	16.58
	E1	1	0.00	0.00	✓	5.18	0.37	5.18	1.00	0.00	51.02
		2	0.00	0.00	✓	24.73	13.74	24.72	1.00	0.00	296.23
	Gf1	1	0.00	0.00	✓	0.21			1.00	0.00	0.50
	Cc2	2	0.00	0.00	✓	5.25	0.19	5.17	1.00	0.00	35.91
		3	0.00	0.00	✓	11.05	0.38	8.11	1.00	0.00	50.91
		4	0.00	0.00	✓	13.32	1.23	8.85	1.00	0.00	81.62
		5	0.00	0.00	✓	11.88	0.23	9.49	1.00	0.00	52.13
	E2	3	0.00	0.00	✓	5.55	0.69	5.23	1.00	0.00	48.47
		4	0.00	0.00	✓	2.37	0.05	1.73	1.00	0.00	13.64
	TC5	2	0.00	0.00	✓	3.39	0.49	3.39	1.00	0.00	12.47
		3	0.00	0.00	✓	2.61	0.92	1.80	1.00	0.00	15.00
		4	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC9	1	0.00	0.00	✓	5.95	0.11	5.09	1.00	0.00	15.15
		2	0.00	0.00	✓	3.03	0.03	2.76	1.00	0.00	7.26
		3	0.00	0.00	✓	2.25	0.02	2.19	1.00	0.00	5.50
	TC35	1	0.00	0.00	✓	1.46	0.01	0.73	1.00	0.00	1.36
	TC36	1	0.00	0.00	✓	0.00			1.00	0.00	0.00
	TC37	1	0.00	0.00	✓	0.05	0.00	0.05	1.00	0.00	0.11
	TC38	1	0.00	0.00	✓	2.42			1.00	0.00	0.48
	TC39	2	0.00	0.00	✓	0.29			1.00	0.00	4.16
		3	0.00	0.00	✓	0.50			1.00	0.00	7.07
	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	✓	2.45	0.03	1.02	1.00	0.00	8.15

	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	✓	0.84			1.00	0.00	11.83
	48	1	0.00	0.00	✓	120.33			1.00	0.00	822.46
	49	1	0.00	0.00	✓	0.05			1.00	0.00	0.76
		2	0.00	0.00	✓	0.06			1.00	0.00	0.84
	50	1	0.00	0.00	✓	5.32			1.00	0.00	72.72
	51	1	0.00	0.00	✓	0.10			1.00	0.00	1.48

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	56	0.00	0.00	0.00	0.00
		2	0	0	11000	56	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	68	0.00	0.00	0.00	0.00
		2	0	0	11000	68	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	20	0.00	0.00	0.00	0.00
		2	0	0	11000	20	0.00	0.00	0.00	0.00
	10	1	0	0	11000	32	0.00	0.00	0.00	0.00
		2	0	0	11000	32	0.00	0.00	0.00	0.00
	11	1	0	0	11000	64	0.00	0.00	0.00	0.00
		2	0	0	11000	64	0.00	0.00	0.00	0.00
	12	1	0	0	11000	62	0.00	0.00	0.00	0.00
		2	0	0	11000	62	0.00	0.00	0.00	0.00
	13	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
	14	1	0	0	11000	102	0.00	0.00	0.00	0.00
		2	0	0	11000	102	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	6	0.00	0.00	0.00	0.00
		2	0	0	11000	6	0.00	0.00	0.00	0.00
	17	1	0	0	11000	5	0.00	0.00	0.00	0.00
		2	0	0	11000	5	0.00	0.00	0.00	0.00

Pedestrian Crossings: Flows and signals

Time Segment	Crossing	Side	Calculated flow entering (Ped/hr)	Calculated flow out (Ped/hr)	Flow discrepancy (Ped/hr)	Adjusted flow warning	Calculated sat flow (Ped/hr)	Calculated capacity (Ped/hr)	Degree of saturation (%)	DOS Threshold exceeded	Practical reserve capacity	Mean modulus of error	Actual green (s (per cycle))
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	5683	0		Unrestricted	0.00	56
		2	0	0	0		11000	5683	0		Unrestricted	0.00	56
	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	6783	0		Unrestricted	0.00	68
		2	0	0	0		11000	6783	0		Unrestricted	0.00	68
	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	2383	0		Unrestricted	0.00	20
		2	0	0	0		11000	2383	0		Unrestricted	0.00	20
	10	1	0	0	0		11000	3483	0		Unrestricted	0.00	32
		2	0	0	0		11000	3483	0		Unrestricted	0.00	32
	11	1	0	0	0		11000	6417	0		Unrestricted	0.00	64
		2	0	0	0		11000	6417	0		Unrestricted	0.00	64
	12	1	0	0	0		11000	6233	0		Unrestricted	0.00	62
		2	0	0	0		11000	6233	0		Unrestricted	0.00	62
	13	1	0	0	0		11000	1008	0		Unrestricted	0.00	8
		2	0	0	0		11000	1008	0		Unrestricted	0.00	8
	14	1	0	0	0		11000	9625	0		Unrestricted	0.00	102
		2	0	0	0		11000	9625	0		Unrestricted	0.00	102
	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	825	0		Unrestricted	0.00	6
		2	0	0	0		11000	825	0		Unrestricted	0.00	6
	17	1	0	0	0		11000	733	0		Unrestricted	0.00	5
		2	0	0	0		11000	733	0		Unrestricted	0.00	5

Pedestrian Crossings: Stops and delays

Time Segment	Crossing	Side	Mean Cruise Time per Ped (s)	Mean Delay per Ped (s)	Total delay (Ped-hr/hr)	Weighted cost of delay (£ per hr)
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	19/07/2021 19:48:53	19/07/2021 19:49:03	07:30	120	6293.39	391.83	106.72	Df/1	11	7	TC42/1	Df/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	107	-100	71585	9755	19.71	5564.00	729.39	6293.39

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	1170	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	71585	71355	1651	✓	107	✓	-100	10925

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	8.71	19.71	391.83	5564.00	47.01	33113.66	729.39

Network Results: Queues and blocking

Time Segment	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))
07:30-08:30	778.75	0.00	2686.54

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	6293.39

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	126.0	116.2	143.2	148.7	192.7	244.1	0.0
	B28	471.6	0.0	241.5	462.0	324.9	512.2	478.3	0.0
	C28	331.8	334.1	0.0	235.4	229.4	356.0	355.3	0.0
	D28	109.3	158.3	159.5	0.0	193.2	108.1	117.6	0.0
	E28	335.0	144.9	385.6	202.3	0.0	248.2	257.1	0.0
	F28	111.7	157.6	151.1	167.9	175.5	0.0	16.6	0.0
	G28	59.7	101.8	97.9	110.4	126.7	180.1	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Calculated Total Flow (PCU/hr)	Avg journey time (s)
23	C28	A28	510	331.28	510	331.28

24	C28	C28	0	0.00	0	0.00
25	C28	C28	0	0.00	0	0.00
32	C28	E28	172	229.38	172	229.38
36	C28	E28	0	0.00	0	0.00
41	E28	A28	490	337.82	490	337.82
42	E28	C28	38	382.39	38	382.39
43	E28	C28	0	0.00	0	0.00
44	E28	E28	0	0.00	0	0.00
45	E28	E28	0	0.00	0	0.00
49	C28	D28	223	235.36	223	235.36
50	E28	D28	54	202.31	54	202.31
68	E28	G28	176	256.97	176	256.97
86	F28	D28	4	162.18	4	162.18
91	C28	F28	23	356.05	23	356.05
92	E28	F28	31	248.16	31	248.16
96	A28	C28	0	0.00	0	0.00
97	G28	D28	0	0.00	0	0.00
98	G28	E28	0	0.00	0	0.00
99	C28	B28	27	332.45	27	332.45
100	E28	B28	135	129.08	135	129.08
101	E28	E28	0	0.00	0	0.00
102	A28	C28	252	113.67	252	113.67
103	F28	B28	0	0.00	0	0.00
104	C28	G28	431	364.86	431	364.86
105	D28	H28	0	0.00	0	0.00
106	G28	C28	92	93.07	92	93.07
107	A28	B28	25	124.13	25	124.13
108	B28	G28	332	457.99	332	457.99
109	C28	G28	230	325.93	230	325.93
110	E28	G28	22	258.47	22	258.47
111	B28	G28	0	0.00	0	0.00
112	F28	G28	14	16.61	14	16.61
113	F28	A28	9	111.70	9	111.70
114	C28	H28	0	0.00	0	0.00
115	B28	C28	9	243.69	9	243.69
116	F28	C28	1	146.51	1	146.51
117	H28	H28	0	0.00	0	0.00
118	F28	C28	0	0.00	0	0.00
119	F28	E28	1	181.46	1	181.46
120	F28	E28	1	162.36	1	162.36
121	A28	A28	0	0.00	0	0.00
122	C28	C28	0	0.00	0	0.00
123	C28	C28	0	0.00	0	0.00
124	E28	C28	0	0.00	0	0.00
125	H28	A28	0	0.00	0	0.00
126	D28	C28	0	0.00	0	0.00
127	D28	C28	0	0.00	0	0.00
128	H28	C28	0	0.00	0	0.00
129	F28	C28	1	145.24	1	145.24
130	G28	C28	92	107.24	92	107.24
131	G28	E28	123	130.64	123	130.64
132	H28	C28	0	0.00	0	0.00
133	H28	E28	0	0.00	0	0.00
134	H28	D28	0	0.00	0	0.00
135	H28	E28	0	0.00	0	0.00
136	E28	E28	0	0.00	0	0.00
137	H28	G28	0	0.00	0	0.00
138	H28	G28	0	0.00	0	0.00

139	D28	E28	5	196.58	5	196.58
140	D28	D28	0	0.00	0	0.00
141	D28	E28	5	188.00	5	188.00
142	C28	H28	0	0.00	0	0.00
143	E28	H28	0	0.00	0	0.00
144	H28	D28	0	0.00	0	0.00
145	H28	H28	0	0.00	0	0.00
146	F28	H28	0	0.00	0	0.00
147	F28	E28	1	184.45	1	184.45
148	F28	D28	4	173.58	4	173.58
149	C28	B28	3	349.02	3	349.02
150	E28	B28	352	151.01	352	151.01
151	B28	A28	0	0.00	0	0.00
152	H28	B28	0	0.00	0	0.00
153	F28	B28	8	157.63	8	157.63
154	E28	A28	18	257.72	18	257.72
155	E28	C28	4	303.54	4	303.54
156	C28	G28	60	370.40	60	370.40
157	H28	B28	0	0.00	0	0.00
158	B28	D28	273	461.97	273	461.97
159	B28	E28	145	462.14	145	462.14
160	B28	G28	158	521.01	158	521.01
161	B28	F28	25	512.19	25	512.19
162	B28	H28	0	0.00	0	0.00
163	B28	A28	37	471.65	37	471.65
164	B28	B28	0	0.00	0	0.00
165	B28	B28	0	0.00	0	0.00
166	B28	C28	70	241.23	70	241.23
167	B28	E28	436	279.21	436	279.21
168	G28	A28	345	59.67	345	59.67
169	G28	B28	62	103.28	62	103.28
170	G28	B28	62	100.32	62	100.32
171	G28	H28	0	0.00	0	0.00
175	G28	C28	0	0.00	0	0.00
176	G28	E28	58	128.15	58	128.15
177	G28	D28	124	110.45	124	110.45
178	G28	E28	34	110.22	34	110.22
181	G28	G28	0	0.00	0	0.00
185	A28	B28	25	127.78	25	127.78
186	A28	C28	49	129.23	49	129.23
187	A28	E28	298	153.24	298	153.24
195	D28	G28	184	117.66	184	117.66
196	D28	F28	46	108.09	46	108.09
197	D28	G28	53	117.20	53	117.20
198	D28	A28	3	109.29	3	109.29
199	D28	B28	91	159.40	91	159.40
200	D28	B28	91	156.86	91	156.86
201	D28	C28	101	156.30	101	156.30
204	D28	C28	45	166.81	45	166.81
205	D28	E28	27	195.51	27	195.51
206	D28	D28	0	0.00	0	0.00
207	D28	E28	5	181.76	5	181.76
210	A28	G28	565	266.67	565	266.67
211	A28	H28	0	0.00	0	0.00
212	A28	D28	0	0.00	0	0.00
213	A28	E28	102	138.90	102	138.90
214	G28	G28	0	0.00	0	0.00
215	G28	F28	28	180.11	28	180.11

218	A28	G28	289	201.53	289	201.53
219	A28	F28	69	192.71	69	192.71
220	H28	F28	0	0.00	0	0.00
221	F28	F28	0	0.00	0	0.00
222	A28	D28	2	143.20	2	143.20
223	A28	E28	68	143.40	68	143.40
224	D28	D28	0	0.00	0	0.00
225	D28	E28	0	0.00	0	0.00
226	H28	D28	0	0.00	0	0.00
227	H28	E28	0	0.00	0	0.00
228	F28	D28	0	0.00	0	0.00
229	F28	E28	0	0.00	0	0.00
230	G28	G28	0	0.00	0	0.00
231	A28	G28	10	201.77	10	201.77
232	A28	H28	0	0.00	0	0.00
233	B28	H28	0	0.00	0	0.00
234	C28	G28	170	365.25	170	365.25
235	E28	G28	0	0.00	0	0.00
236	E28	H28	0	0.00	0	0.00
237	F28	H28	0	0.00	0	0.00
238	D28	B28	36	159.31	36	159.31
239	D28	B28	0	0.00	0	0.00
240	G28	C28	59	90.86	59	90.86
241	E28	C28	0	0.00	0	0.00
242	H28	C28	0	0.00	0	0.00
243	G28	D28	0	0.00	0	0.00
244	G28	E28	0	0.00	0	0.00
245	C28	C28	0	0.00	0	0.00
246	E28	C28	38	397.37	38	397.37
247	E28	E28	0	0.00	0	0.00
248	D28	C28	0	0.00	0	0.00
249	H28	C28	0	0.00	0	0.00
250	H28	E28	0	0.00	0	0.00
251	H28	E28	0	0.00	0	0.00
252	F28	C28	1	161.53	1	161.53
253	F28	E28	1	173.76	1	173.76
254	A28	A28	0	0.00	0	0.00
255	C28	A28	0	0.00	0	0.00
256	C28	C28	0	0.00	0	0.00
258	C28	A28	7	372.00	7	372.00
259	C28	C28	0	0.00	0	0.00
260	C28	A28	0	0.00	0	0.00
261	C28	C28	0	0.00	0	0.00
262	C28	C28	0	0.00	0	0.00
263	C28	C28	0	0.00	0	0.00
264	C28	C28	0	0.00	0	0.00
265	C28	C28	0	0.00	0	0.00
266	C28	B28	0	0.00	0	0.00
267	C28	B28	0	0.00	0	0.00

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	354	2050	36	0.00	55	65	20.68	15.09	76.88	5.23
	2	(untitled)	6	771-2	E	192	2050	36	0.00	30	204	17.51	11.75	69.04	2.60
	3	(untitled)	6	771-2	E	315	2050	36	0.00	49	85	20.65	14.76	77.40	4.97
	4	(untitled)	6	771-2	E	250	2050	36	0.00	39	134	19.42	13.40	74.94	3.28
Ac	1	(untitled)	6	771-2	D	1018	2263	64	8.00	82	10	21.13	13.94	41.35	8.79
	2	(untitled)	6	771-2	D	186	2263	64	44.55	16	480	11.14	1.64	35.89	2.12
	3	(untitled)	6	771-2	D	296	2263	64	18.00	24	278	8.31	1.71	38.24	4.71
Acf	1	(untitled)	6			1204	2263	120	32.00	53	69	6.12	0.90	0.00	0.30
	2	(untitled)	6			296	2263	120	68.00	13	588	7.36	0.12	0.00	0.01
Af	1	(untitled)	6			546	2050	120	29.00	27	238	6.74	0.32	0.00	0.05
	2	(untitled)	6			315	2050	120	29.00	15	486	6.54	0.16	0.00	0.01
	3	(untitled)	6			250	2050	120	29.00	12	638	6.48	0.12	0.00	0.01
B	1	(untitled)	1	769-1	B	302	2050	38	0.00	44	104	24.82	17.72	73.43	3.70
	2	(untitled)	1	769-1	B	417	2150	38	0.42	59	53	27.53	20.24	79.45	5.57
	3	(untitled)	1	769-1	B	470	2100	38	0.52	68	32	30.26	22.78	83.03	6.53
	4	(untitled)	1	769-1	B	565	2050	38	0.00	83	9	42.73	30.44	103.33	9.83
Bc	1	(untitled)	1	769-1	A	414	2050	58	8.00	40	123	16.66	4.70	14.28	2.07
	2	(untitled)	1	769-1	A	498	2050	58	8.00	49	85	17.99	6.16	24.50	2.16
	3	(untitled)	1	769-1	A	327	2050	58	12.00	32	182	14.78	3.07	9.05	0.49
Bcf	1	(untitled)	1			1372	2263	120	24.00	61	48	5.37	1.22	0.00	0.47
	2	(untitled)	1			414	2263	120	58.00	18	392	5.42	0.18	0.00	0.02
	3	(untitled)	1			498	2263	120	34.00	22	309	5.85	0.22	0.00	0.03
	4	(untitled)	1			327	2263	120	64.00	14	523	6.10	0.13	0.00	0.01
Bf	1	(untitled)	1			719	1800	120	0.00	40	125	28.00	0.66	0.00	0.13
	2	(untitled)	1			1035	1800	120	0.00	58	57	28.76	1.35	0.00	0.39
C	1	(untitled)	2	769-2	G	484	2100	30	0.00	86	4	61.77	47.23	125.16	10.27
	2	(untitled)	2	769-2	G	564 <	2200	30	0.00	96	-6	150.80	136.12	250.08	27.38 +
	3	(untitled)	2	769-2	G	347	2050	30	10.00	63	42	39.40	24.48	109.35	6.35
Cf	1	(untitled)	2			484	1965	120	24.00	25	266	17.65	0.30	0.00	0.04
	2	(untitled)	2			911 <	1965	120	64.37	100	-10	122.84	105.33	205.20	39.24 +
D	1	(untitled)	3	770-1	B	370	2050	40	2.00	52	74	30.01	25.89	79.74	4.92
	2	(untitled)	3	770-1	B	648 <	1850	40	0.00	100	-10	105.07	100.95	130.63	21.52 +
	3	(untitled)	3	770-1	B	742 <	2250	40	2.42	100	-10	90.41	86.44	99.12	20.10 +
Dc	1	(untitled)	3	770-1	A	922 <	2100	60	0.02	85	6	20.36	16.56	59.28	9.22 +
	2	(untitled)	3	770-1	A	743	2100	60	0.00	68	32	15.27	11.62	59.89	7.45
	3	(untitled)	3	770-1	A	568	2100	60	28.17	71	27	14.76	11.25	70.33	5.86
	4	(untitled)	3	770-1	A	912 <	2100	60	9.04	98	-8	56.54	53.17	114.15	17.49 +
Dcf	1	(untitled)	3			612	2050	120	32.00	30	202	5.32	0.37	0.00	0.06
	2	(untitled)	3			1154	2100	120	47.31	71	27	10.69	5.74	34.48	8.85
	3	(untitled)	3			743	2100	120	41.04	42	114	6.63	1.15	10.36	2.38
	4	(untitled)	3			568	2100	120	50.00	27	233	7.42	0.32	0.00	0.05
	5	(untitled)	3			912	2100	120	63.59	53	70	10.12	5.10	36.10	9.96
Df	1	(untitled)	3-2			1086 <	1900	120	55.73	107	-16	169.22	145.22	241.12	57.02 +
	2	(untitled)	3-2			770	2250	120	80.42	104	-13	141.68	117.68	215.67	34.14
Dxp	1	(untitled)	3-2	770-2	D	616	2050	101	15.00	35	155	4.47	0.97	5.19	1.26
	2	(untitled)	3-2	770-2	D	232	2050	101	41.00	13	577	3.96	0.31	1.72	0.15
Ec	1	(untitled)	4	770-3	F	599	2150	70	10.00	46	94	10.20	6.44	37.77	3.72
	2	(untitled)	4	770-3	F	1153 <	2263	70	10.00	85	6	17.16	13.53	47.76	9.25 +
	3	(untitled)	4	770-3	F	1161	2263	70	0.00	86	5	14.33	10.82	34.42	6.74
	4	(untitled)	4	770-3	F	526	2250	70	30.00	39	131	16.86	13.42	80.11	7.04
Ecf	1	(untitled)	4			1084	2100	120	20.39	52	74	4.40	0.95	2.09	4.93
	2	(untitled)	4			952	2100	120	18.00	45	99	4.19	0.71	0.00	0.19
	3	(untitled)	4			1153	2263	120	51.74	69	30	10.18	6.66	36.44	7.17
	4	(untitled)	4			1717 <	2300	120	28.20	90	0	13.49	9.63	33.24	9.75 +

Ef	1	(untitled)	4			871 <	1900	120	67.76	105	-15	148.19	132.88	229.84	42.42 +
	2	(untitled)	4			487	1900	120	0.00	26	251	15.63	0.33	0.00	0.04
Exp	1	(untitled)	4-2	770-4	L	1084	2050	100	15.00	63	43	6.83	2.94	12.79	5.22
	2	(untitled)	4-2	770-4	L	352	2050	100	55.00	20	341	4.30	0.28	0.81	2.35
F	1	(untitled)	5	771-1	B	283	2100	20	0.00	74	22	42.07	35.69	104.86	5.00
	2	(untitled)	5	771-1	B	185	2100	20	0.00	48	87	32.68	26.25	91.86	2.85
	3	(untitled)	5	771-1	B	224	2100	20	0.00	58	55	35.38	28.83	95.42	3.57
Fc	1	(untitled)	5	771-1	A	1349	2263	80	10.00	87	3	28.45	9.35	31.19	7.14
	2	(untitled)	5	771-1	A	1203	2263	80	13.07	85	6	30.42	11.70	56.86	12.49
	3	(untitled)	5	771-1	A	1064	2263	80	16.78	69	30	26.26	6.83	73.90	18.73
Ff	1	(untitled)	5			468	1900	120	0.00	25	265	33.40	0.31	0.00	0.04
	2	(untitled)	5			224	1900	120	0.00	12	663	33.17	0.13	0.00	0.01
G	1	(untitled)	2	769-2	F	355	2050	28	7.61	73	23	63.08	47.01	117.10	7.77
	2	(untitled)	2	769-2	F	161	2050	28	18.73	32	179	52.84	41.40	109.94	2.76
Gf	1	(untitled)	4			352	2050	120	90.03	17	424	3.11	0.19	0.49	2.34
	2	(untitled)	4			135	2050	120	90.18	7	1265	2.99	0.11	2.44	2.33
xA	1	(untitled)	10			1410	2263	120	28.61	68	32	19.45	2.22	9.00	7.70
	2	(untitled)	10			1398	2263	120	28.40	62	45	18.56	1.32	1.76	2.92
xB	1	(untitled)				1372	Unrestricted	120	2.00	0	Unrestricted	5.79	0.00	0.00	0.00
xC	1	(untitled)				577	1900	120	57.48	49	84	16.09	7.42	59.55	11.83
	2	(untitled)				339	1900	120	63.55	25	263	11.63	2.93	45.50	4.71
xD	1	(untitled)				616	Unrestricted	120	15.00	0	Unrestricted	9.13	0.00	0.00	0.00
	2	(untitled)				232	Unrestricted	120	49.00	0	Unrestricted	9.21	0.00	0.00	0.00
xE	1	(untitled)				1084	Unrestricted	120	11.00	0	Unrestricted	13.04	0.00	0.00	0.00
	2	(untitled)				352	Unrestricted	120	54.00	0	Unrestricted	13.04	0.00	0.00	0.00
xF	1	(untitled)				651	Unrestricted	120	8.00	0	Unrestricted	12.19	0.00	0.00	0.00
Cc1	1	(untitled)	2	769-2	E	400	2050	64	10.00	35	154	14.18	7.51	30.83	2.62
E1	1	(untitled)	4	770-3	G	290	2050	28	12.00	57	59	41.94	35.94	107.17	5.18
	2	(untitled)	4	770-3	G	537 <	2200	28	0.00	98	-8	130.17	124.17	191.18	22.32 +
Gf1	1	(untitled)	4			29	674	120	86.00	4	1997	5.52	1.83	31.90	0.21
Cc2	2	(untitled)	2	769-2	D	546	2150	66	9.16	46	97	18.65	11.56	62.83	5.25
	3	(untitled)	2	769-2	D	666	2050	66	8.00	57	57	21.20	13.78	79.78	11.05
	4	(untitled)	2	769-2	D	816	2150	66	16.44	76	18	24.85	17.86	94.56	13.31
	5	(untitled)	2	769-2	D	565	2050	66	34.12	49	85	25.32	17.34	107.04	11.88
E2	3	(untitled)	4	770-3	H	352	2150	28	0.85	67	34	31.39	27.40	92.38	5.55
	4	(untitled)	4	770-3	H	135	2050	28	0.00	26	242	23.41	19.34	77.08	2.37
TC5	2	(untitled)	TC771-6	TC777-1	A	1192	2263	101	15.00	61	47	5.14	2.38	8.51	3.39
	3	(untitled)	TC771-6	TC777-1	A	1398	2263	101	18.00	72	25	5.34	2.58	4.37	2.61
	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	528	1925	86	0.00	37	143	17.26	6.26	31.93	5.95
	2	(untitled)	TC771-6	TC777-1	B	307	1966	86	0.00	21	327	16.13	5.08	28.74	3.03
	3	(untitled)	TC771-6	TC777-1	B	244	1947	86	0.00	17	433	15.96	4.84	27.71	2.25
TC35	1	(untitled)	TC771-6	TC777-1	A	217	1900	101	21.00	13	575	4.16	1.26	10.14	1.46
TC36	1	(untitled)	TC771-6			46	1800	120	120.00	3	3422	3.05	0.03	0.00	0.00
TC37	1	(untitled)	TC771-6	TC777-2	J	14	1850	105	105.00	1	10405	4.08	0.88	11.67	0.05
TC38	1	(untitled)	TC771-6			14	237	120	46.00	6	1421	5.25	3.71	57.38	2.42
TC39	2	(untitled)	TC771-6			1192	2263	120	32.00	53	71	3.42	0.88	0.00	0.29
	3	(untitled)	TC771-6			1398	2263	120	35.00	62	46	3.68	1.28	0.00	0.50

TC40	2	(untitled)	TC771-6			1206	Unrestricted	120	13.00	0	Unrestricted	4.23	0.00	0.00	0.00
	3	(untitled)	TC771-6			1398	Unrestricted	120	17.00	0	Unrestricted	4.02	0.00	0.00	0.00
TC41	1	(untitled)	TC771-6	TC777-1	D	32	1850	8	7.00	23	290	60.05	56.12	95.70	2.45
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			916	1300	120	12.00	70	28	19.31	3.28	0.00	0.83
48	1	(untitled)	2			1485 <	1965	120	34.83	106	-15	139.96	133.35	236.58	74.66 +
49	1	(untitled)	TC771-6			528	1900	120	0.00	28	224	3.51	0.36	0.00	0.05
	2	(untitled)	TC771-6			551	1900	120	0.00	29	210	3.54	0.39	0.00	0.06
50	1	(untitled)	1			1754	1900	120	0.00	92	-3	16.29	10.51	0.00	5.12
51	1	(untitled)	4-2			692	1900	120	0.00	36	147	5.04	0.54	0.00	0.10

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	56	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	3	770-1	C	0	11000	56	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	68	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	5	771-1	C	0	11000	68	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	20	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	J	0	11000	20	0	Unrestricted	0.00	0.00	0.00	100	
10	1	(untitled)	2	769-2	K	0	11000	32	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	K	0	11000	32	0	Unrestricted	0.00	0.00	0.00	100	
11	1	(untitled)		769-2	H	0	11000	64	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		769-2	H	0	11000	64	0	Unrestricted	0.00	0.00	0.00	100	
12	1	(untitled)	2	769-2	I	0	11000	62	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	2	769-2	I	0	11000	62	0	Unrestricted	0.00	0.00	0.00	100	
13	1	(untitled)		TC777-1	I	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	I	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	
14	1	(untitled)		TC777-1	F	0	11000	102	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	F	0	11000	102	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	6	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-1	H	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	
17	1	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	

Network Results

	Distance travelled (PCU-km/hr)	Time spent (PCU-hr/hr)	Mean journey speed (kph)	Total delay (PCU-hr/hr)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Excess queue penalty (£ per hr)	Performance Index (£ per hr)
Normal traffic	6669.75	565.05	11.80	391.83	5564.00	729.39	0.00	6293.39
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	6669.75	565.05	11.80	391.83	5564.00	729.39	0.00	6293.39

- *< = 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***