TRANSYT 15

Filename: M62 JN 28 CRF Scheme_Mar 20- Scenario 2 - AM.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 20:04:05

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 - 2033 Base + Committed AM
D1 - 2033 Base + Committed AM *

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 20:02:02	19/07/2021 20:02:17	07:30	120	13976.82	919.53	249.48	51/1	23	16	TC42/1	51/1	TC4

Analysis Set Details

Name	Description	Demand set	Include in report	Locked
2033 Base + Committed AM		D1	✓	

Demand Set Details

Name	Description	Composite	Demand sets	Start time (HH:mm)	Locked
2033 Base + Committed AM				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	372	372
	2	213	213
	3	336	336
	4	306	306
Ac	1	1080	1080
	2	193	193
	3	313	313
Acf	1	1273	1273
	2	313	313
Af	1	585	585
	2	336	336
	3	306	306
B	1	306	306
	2	428	428
	3	513	513
	4	570	570
Bc	1	442	442
	2	533	533
	3	385	385
	1	1452	1452

Bcf	**2**	442	442
	3	533	533
	4	385	385
Bf	**1**	734	734
	2	1083	1083
C	**1**	563	563
	2	642	642
	3	369	369
Cf	**1**	563	563
	2	1011	1011
D	**1**	409	409
	2	745	745
	3	782	782
Dc	**1**	1016	1016
	2	795	795
	3	691	691
	4	939	939
Dcf	**1**	640	640
	2	1259	1259
	3	795	795
	4	691	691
	5	939	939
Df	**1**	1154	1154
	2	782	782
Dxp	**1**	640	640
	2	243	243
Ec	**1**	662	662
	2	1369	1369
	3	1199	1199
	4	557	557
Ecf	**1**	1191	1191
	2	1029	1029
	3	1369	1369
	4	1788	1788
Ef	**1**	899	899
	2	509	509
Exp	**1**	1191	1191
	2	367	367
F	**1**	329	329
	2	192	192
	3	236	236
Fc	**1**	1597	1597
	2	1243	1243
	3	1129	1129
Ff	**1**	521	521
	2	236	236
G	**1**	377	377
	2	164	164
Gf	**1**	374	374
	2	135	135
xA	**1**	1693	1693
	2	1447	1447
xB	**1**	1452	1452
xC	**1**	614	614
	2	355	355
xD	**1**	640	640
	2	243	243

xE	1	1191	1191
	2	367	367
xF	1	717	717
Cc1	1	427	427
E1	1	327	327
	2	572	572
Gf1	1	32	32
Cc2	2	566	566
	3	759	759
	4	856	856
	5	570	570
E2	3	374	374
	4	135	135
TC5	2	1298	1298
	3	1447	1447
	4	0	0
TC9	1	558	558
	2	323	323
	3	296	296
TC35	1	395	395
TC36	1	68	68
TC37	1	19	19
TC38	1	19	19
TC39	2	1298	1298
	3	1447	1447
TC40	2	1317	1317
	3	1447	1447
TC41	1	49	49
TC42	1	0	0
TC43	1	0	0
47	1	968	968
48	1	1574	1574
49	1	558	558
	2	619	619
50	1	1817	1817
51	1	757	757

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	305	2	479	112	869	0
	B28	37	0	83	285	625	39	505	0
	C28	527	32	0	234	175	40	928	0
	D28	3	225	150	0	50	91	238	0
	E28	513	509	81	55	0	45	205	0
	F28	15	10	5	13	6	0	19	0
	G28	357	142	259	128	223	68	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

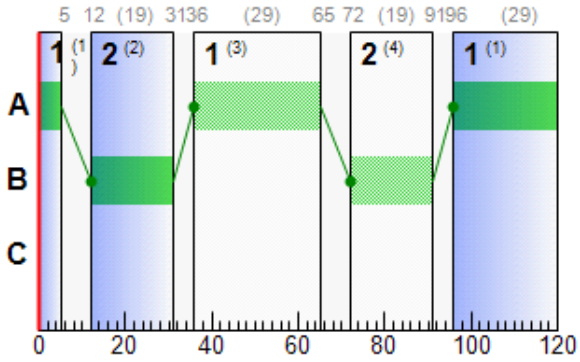
Resultant Phase Green Periods

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

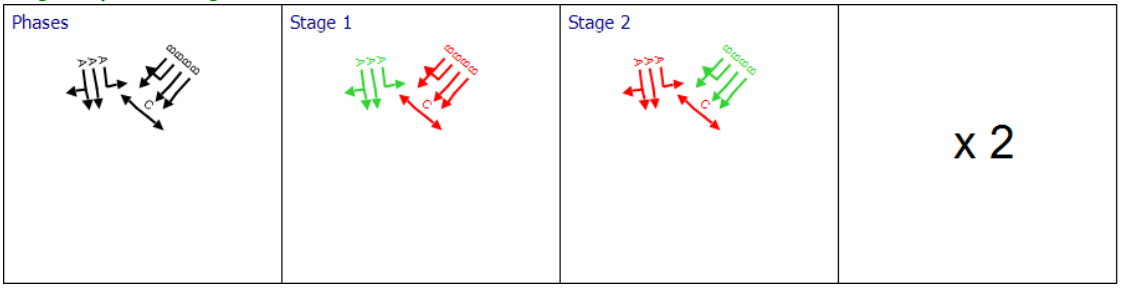
Traffic Stream Green Times

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

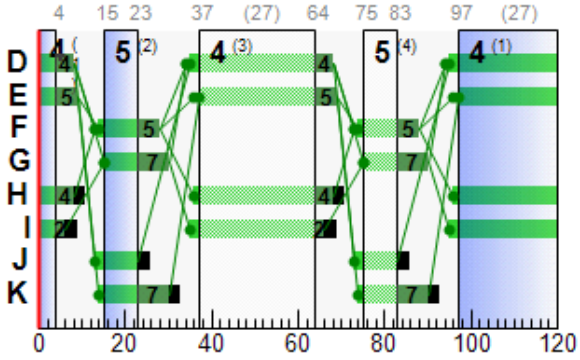
Resultant Phase Green Periods

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

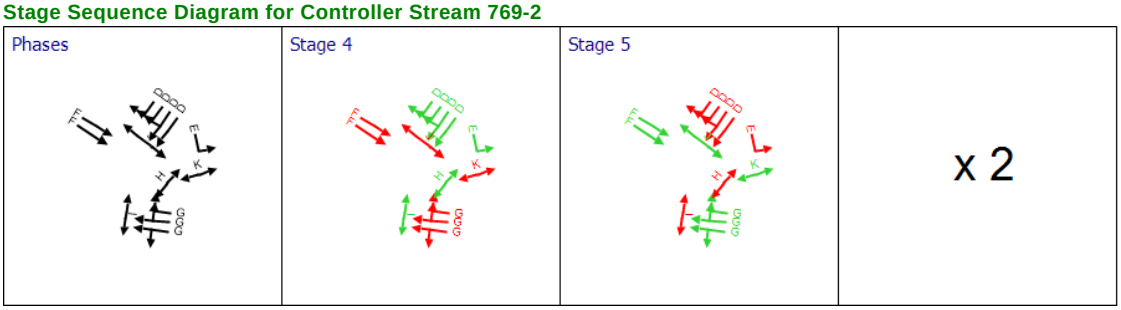
Traffic Stream Green Times

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

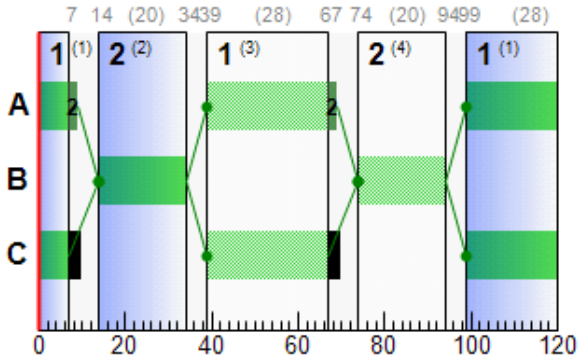
Resultant Phase Green Periods

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

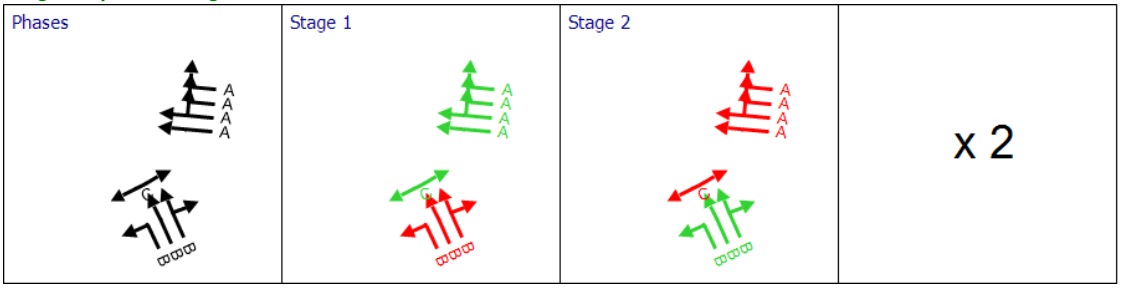
Traffic Stream Green Times

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

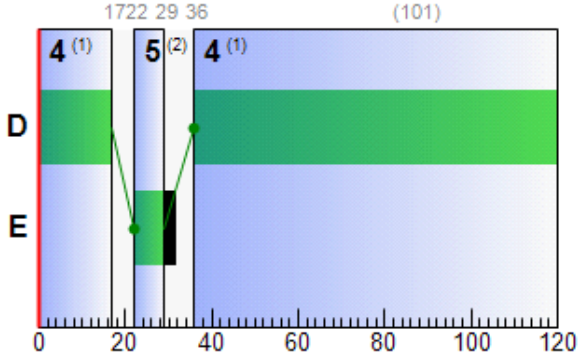
Resultant Phase Green Periods

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

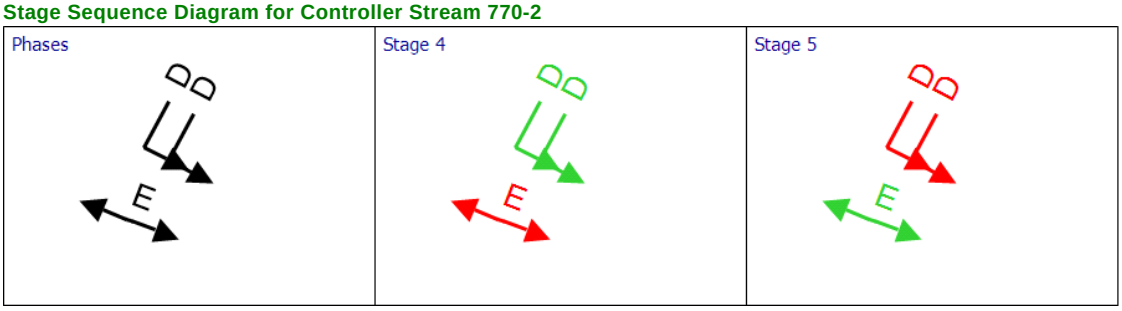
Traffic Stream Green Times

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

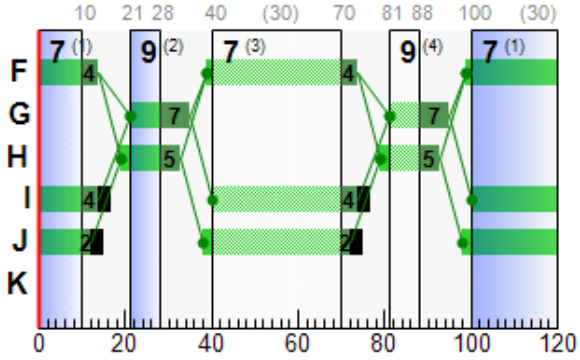
Resultant Phase Green Periods

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

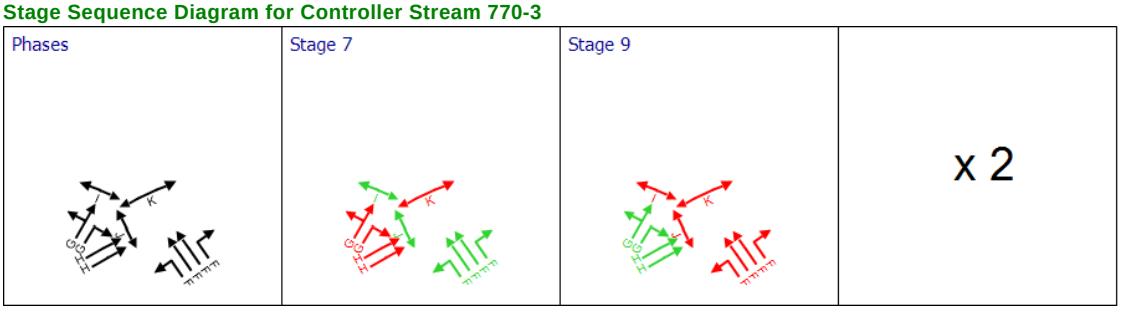
Traffic Stream Green Times

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

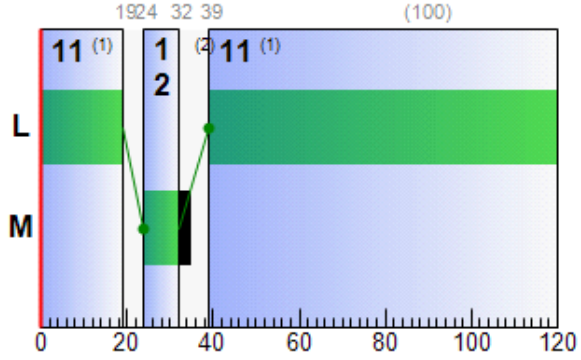
Resultant Phase Green Periods

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

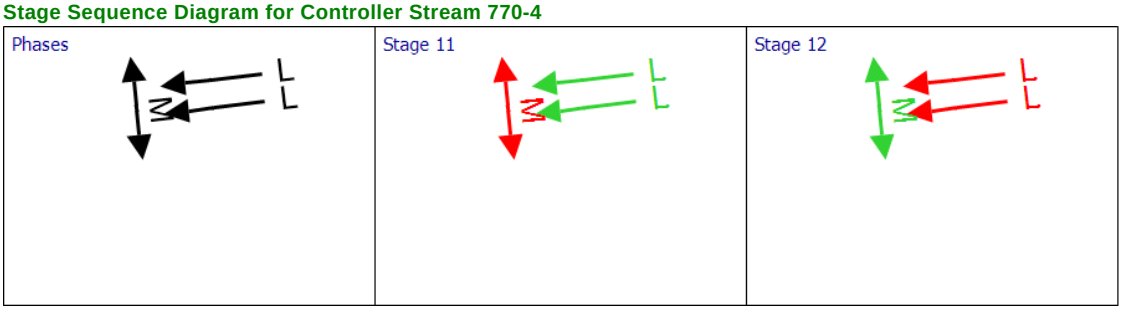
Traffic Stream Green Times

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

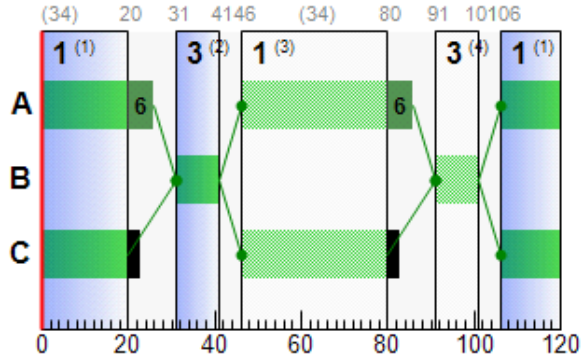
Resultant Phase Green Periods

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

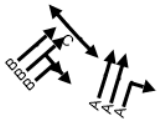
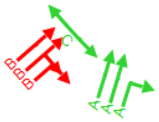
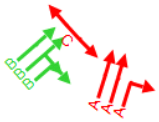
Traffic Stream Green Times

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

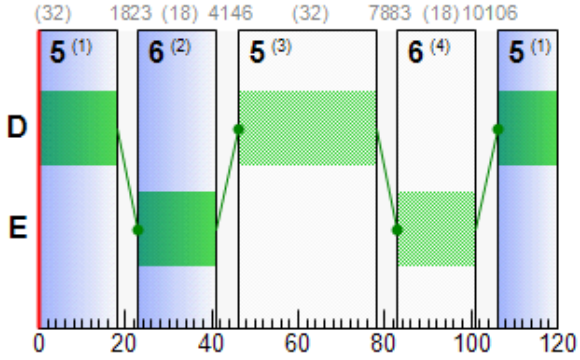
Resultant Phase Green Periods

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

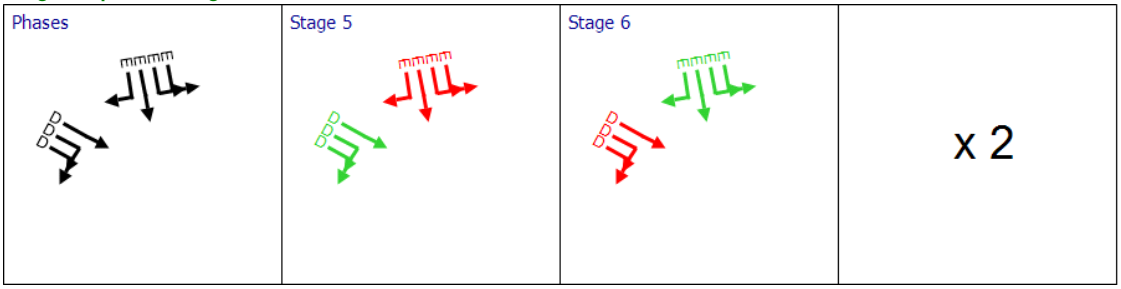
Traffic Stream Green Times

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

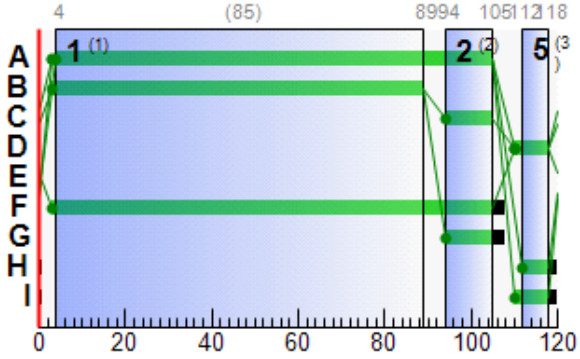
Resultant Phase Green Periods

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

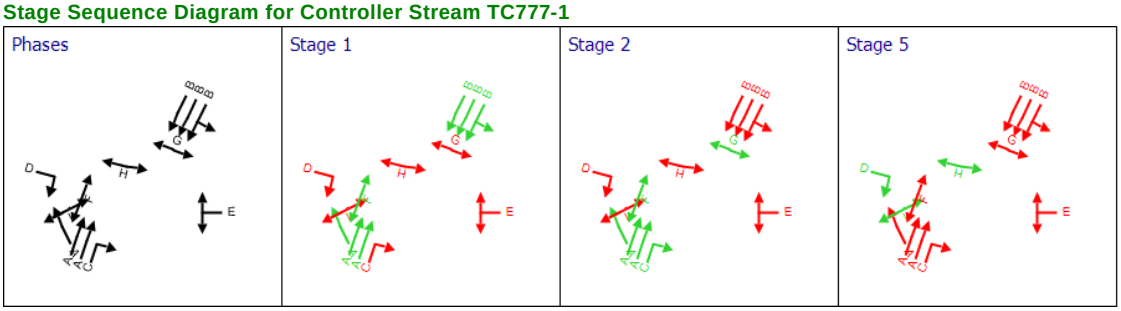
Traffic Stream Green Times

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

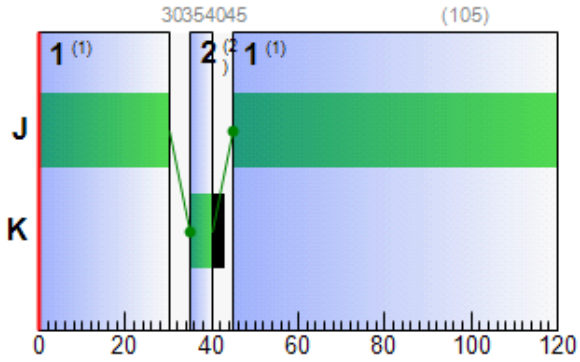
Resultant Phase Green Periods

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

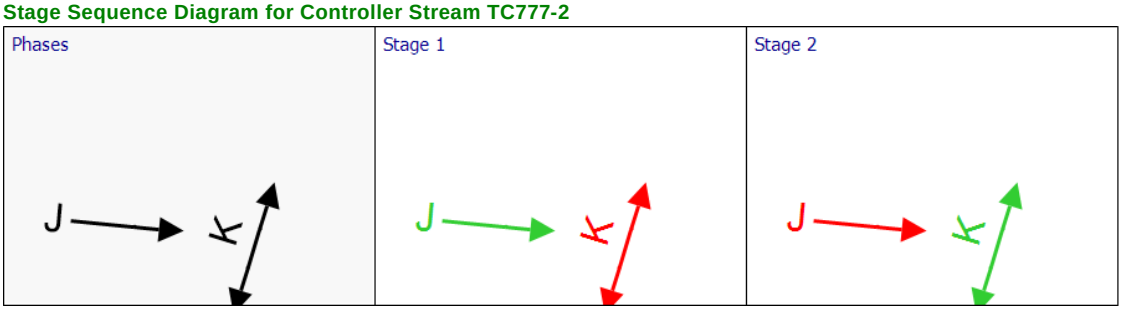
Traffic Stream Green Times

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	372	2050	36	649	57	57	15.75	5.58	43.07	21.34

	A	2	(untitled)	E	213	2050	36	649	33	174	12.11	2.76	20.65	17.87
		3	(untitled)	E	338	2050	36	337	100	-10	115.86	14.09	103.05	121.75
		4	(untitled)	E	307	2050	36	649	47	90	14.66	4.95	35.40	20.68
	Ac	1	(untitled)	D	1034	2263	64	1245	83	8	24.78	17.11	102.68	31.97
		2	(untitled)	D	85	2263	64	1226	7	1197	1.05	1.69	10.55	10.55
		3	(untitled)	D	174	2263	64	181	97	-7	363.24	18.68	122.14	369.83
	Acf	1	(untitled)		1106	2263	120	2204	50	79	0.91	2.57	21.26	6.13
		2	(untitled)		174	2263	120	174	100	-10	346.88	17.94	146.48	354.12
	Af	1	(untitled)		585	2050	120	2050	29	215	0.35	0.06	0.61	6.78
		2	(untitled)		338	2050	120	2050	16	446	0.17	0.02	0.18	6.56
		3	(untitled)		307	2050	120	2050	15	501	0.15	0.01	0.14	6.52
	B	1	(untitled)	B	306	2050	38	683	45	101	17.80	3.75	22.78	24.90
		2	(untitled)	B	428	2150	38	622	69	31	23.50	6.04	35.72	30.79
		3	(untitled)	B	513	2100	38	689	74	21	25.24	7.41	42.74	32.72
		4	(untitled)	B	570	2050	38	683	83	8	31.10	10.01	56.20	43.39
	Bc	1	(untitled)	A	315	2050	58	1025	31	193	1.76	0.36	1.54	13.72
		2	(untitled)	A	459	2050	58	461	99	-10	208.39	30.87	135.02	220.22
		3	(untitled)	A	346	2050	58	699	50	82	8.24	6.07	26.82	19.95
	Bcf	1	(untitled)		1417	2263	120	2263	63	44	1.33	0.52	4.80	5.48
		2	(untitled)		315	2263	120	2263	14	546	0.13	0.01	0.10	5.94
		3	(untitled)		460	2263	120	459	100	-10	144.86	20.88	192.58	150.75
		4	(untitled)		346	2263	120	2263	15	488	0.14	0.01	0.13	6.43
	Bf	1	(untitled)		734	1800	120	1800	41	121	0.69	0.14	0.35	28.03
		2	(untitled)		1083	1800	120	1800	60	50	1.51	0.45	1.14	28.92
	C	1	(untitled)	G	495	2100	30	560	88	2	50.72	10.94	51.92	65.25
		2	(untitled)	G	564	2200	30	587	96	-6	136.40	27.38	128.65	151.08
		3	(untitled)	G	324	2050	30	547	59	52	23.53	5.84	26.98	38.45
	Cf	1	(untitled)		495	1965	120	1965	25	257	0.31	0.04	0.17	17.66
		2	(untitled)		889	1965	120	889	100	-10	108.43	39.06	153.98	125.94
	D	1	(untitled)	B	355	2050	40	718	50	82	25.55	4.67	48.80	29.68
		2	(untitled)	B	648	1850	40	648	100	-10	101.28	21.52	224.95	105.41
		3	(untitled)	B	747	2250	40	747	100	-10	86.07	20.14	219.01	90.04
	Dc	1	(untitled)	A	936	2100	60	1085	86	4	20.92	9.54	108.21	24.72
		2	(untitled)	A	737	2100	60	1085	68	33	12.84	7.58	89.48	16.49
		3	(untitled)	A	665	2100	60	790	84	7	18.88	7.99	98.27	22.39
		4	(untitled)	A	894	2100	60	919	97	-8	47.05	15.61	200.17	50.41
	Dcf	1	(untitled)		569	2050	120	2050	28	224	0.34	0.05	0.46	5.28
		2	(untitled)		1151	2100	120	1382	83	8	13.92	10.90	95.04	18.87
		3	(untitled)		737	2100	120	1682	44	105	1.39	2.40	20.08	6.87
		4	(untitled)		665	2100	120	2067	32	180	0.42	1.79	15.45	7.59
		5	(untitled)		894	2100	120	1754	51	77	4.61	9.82	84.43	9.63
	Df	1	(untitled)		1154	1900	120	1003	115	-22	256.29	95.10	273.41	280.29
		2	(untitled)		782	2250	120	747	105	-14	129.19	36.87	106.01	153.19
	Dxp	1	(untitled)	D	566	2050	101	1743	32	177	0.91	1.13	13.92	4.41
		2	(untitled)	D	216	2050	101	1743	12	627	0.35	0.13	1.50	3.99
	Ec	1	(untitled)	F	598	2150	70	1290	46	94	6.90	3.84	44.06	10.66
		2	(untitled)	F	1255	2263	70	1358	92	-3	20.38	11.98	142.17	24.01
		3	(untitled)	F	1140	2263	70	1358	84	7	9.70	6.15	75.55	13.21
		4	(untitled)	F	529	2250	70	1350	39	130	13.44	7.04	88.14	16.88
	Ecf	1	(untitled)		1088	2100	120	2095	52	73	0.95	4.93	61.67	4.39
		2	(untitled)		940	2100	120	2100	45	101	0.69	0.18	2.25	4.17
		3	(untitled)		1255	2263	120	1654	76	19	7.45	7.61	93.26	10.97
		4	(untitled)		1699	2300	120	1904	89	1	9.40	9.61	109.67	13.25
	Ef	1	(untitled)		900	1900	120	844	107	-16	148.98	47.77	215.34	164.29
		2	(untitled)		509	1900	120	1900	27	236	0.35	0.05	0.22	15.65
07:30-08:30	Exp	1	(untitled)	L	1091	2050	100	1725	63	42	2.88	5.23	58.02	6.77
		2	(untitled)	L	342	2050	100	1725	20	354	0.26	2.34	25.09	4.29
		1	(untitled)	B	140	2100	20	385	36	148	12.83	2.42	16.36	19.22

	F	2	(untitled)	B	82	2100	20	385	21	323	10.89	2.35	15.75	17.32
		3	(untitled)	B	100	2100	20	101	99	-9	634.93	18.27	120.37	641.48
	Fc	1	(untitled)	A	1469	2263	80	1546	95	-5	21.39	13.69	42.95	40.50
		2	(untitled)	A	1181	2263	80	1431	83	9	10.25	12.03	38.12	28.97
		3	(untitled)	A	1067	2263	80	1071	100	-10	67.50	35.94	114.62	86.92
	Ff	1	(untitled)		209	1900	120	1900	11	717	0.12	0.01	0.01	33.20
		2	(untitled)		95	1900	120	100	95	-5	1850.10	51.20	106.91	1883.15
	G	1	(untitled)	F	377	2050	28	485	78	16	49.69	9.76	35.93	65.75
		2	(untitled)	F	163	2050	28	500	33	177	41.33	2.79	10.51	52.78
	Gf	1	(untitled)		374	2050	120	2050	18	393	0.20	2.34	34.65	3.12
		2	(untitled)		135	2050	120	2047	7	1264	0.11	2.33	34.79	2.99
	xA	1	(untitled)		1428	2263	120	2263	63	43	1.36	0.54	1.35	18.58
		2	(untitled)		1335	2263	120	2263	59	53	1.14	0.42	1.06	18.39
	xB	1	(untitled)		1417	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
	xC	1	(untitled)		540	1900	120	1259	43	110	7.43	11.76	58.47	16.10
		2	(untitled)		300	1900	120	1400	21	320	3.15	4.70	23.29	11.85
	xD	1	(untitled)		565	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
		2	(untitled)		214	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
	xE	1	(untitled)		1091	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		342	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	xF	1	(untitled)		649	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
	Cc1	1	(untitled)	E	301	2050	64	1128	27	237	3.46	2.58	15.47	10.22
	E1	1	(untitled)	G	307	2050	28	513	60	50	36.69	5.54	39.84	42.69
		2	(untitled)	G	537	2200	28	550	98	-8	124.02	22.32	160.41	130.02
	Gf1	1	(untitled)		31	669	120	669	5	1870	1.88	0.24	2.83	5.57
	Cc2	2	(untitled)	D	505	2150	66	1204	42	115	10.32	4.97	31.21	17.51
		3	(untitled)	D	755	2050	66	1162	65	38	13.74	13.51	87.06	21.10
		4	(untitled)	D	804	2150	66	804	100	-10	98.89	27.44	177.38	105.92
		5	(untitled)	D	570	2050	66	1161	49	83	17.37	11.88	77.06	25.34
	E2	3	(untitled)	H	374	2150	28	521	72	25	29.28	6.04	65.22	33.27
		4	(untitled)	H	135	2050	28	513	26	242	19.34	2.37	25.04	23.41
	TC5	2	(untitled)	A	1099	2263	101	1942	57	59	1.75	2.34	58.33	4.51
		3	(untitled)	A	1335	2263	101	1942	69	31	2.14	1.19	29.68	4.90
		4	(untitled)	C	0	1800	11	180	0	Unrestricted	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	558	1925	86	1428	39	130	6.45	6.27	39.31	17.45
		2	(untitled)	B	323	1966	86	1458	22	306	5.14	3.17	19.82	16.20
		3	(untitled)	B	296	1947	86	1444	20	339	5.05	2.95	18.28	16.17
	TC35	1	(untitled)	A	330	1900	101	1631	20	344	1.09	1.47	35.11	3.99
	TC36	1	(untitled)		72	1800	120	1800	4	2150	0.04	0.00	0.02	3.07
	TC37	1	(untitled)	J	19	1850	105	1634	1	7641	0.89	0.07	0.96	4.08
	TC38	1	(untitled)		19	252	120	252	8	1092	3.30	2.42	65.23	4.83
	TC39	2	(untitled)		1101	2263	120	2263	49	85	0.75	0.23	3.76	3.29
		3	(untitled)		1335	2263	120	2263	59	53	1.14	0.42	7.32	3.54
	TC40	2	(untitled)		1120	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		1335	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	53	1850	8	139	38	136	60.81	2.53	26.65	64.74
	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)		840	1300	120	1300	65	39	2.52	0.59	2.53	18.55
	48	1	(untitled)		1574	1965	120	1384	114	-21	232.79	120.87	1260.86	239.41
	49	1	(untitled)		558	1900	120	1900	29	206	0.39	0.06	1.34	3.54
		2	(untitled)		619	1900	120	1900	33	176	0.46	0.08	1.72	3.61
	50	1	(untitled)		1817	1900	120	1900	96	-6	16.88	8.52	101.78	22.66
	51	1	(untitled)		759	1900	120	304	249	-64	1086.86	237.69	3647.69	1091.35

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	57	57	372	2050	36	15.75	5.58	43.07	23.11	9.35	32.46
		2	33	174	213	2050	36	12.11	2.76	20.65	10.17	4.79	14.96
		3	100	-10	338	2050	36	115.86	14.09	103.05	154.46	15.52	169.98
		4	47	90	307	2050	36	14.66	4.95	35.40	17.75	7.62	25.37
	Ac	1	83	8	1034	2263	64	24.78	17.11	102.68	101.06	31.69	132.75
		2	7	1197	85	2263	64	1.05	1.69	10.55	0.35	0.64	0.99
		3	97	-7	174	2263	64	363.24	18.68	122.14	249.84	14.07	263.92
	Acf	1	50	79	1106	2263	120	0.91	2.57	21.26	3.95	1.87	5.82
		2	100	-10	174	2263	120	346.88	17.94	146.48	238.45	6.29	244.74
	Af	1	29	215	585	2050	120	0.35	0.06	0.61	0.81	0.00	0.81
		2	16	446	338	2050	120	0.17	0.02	0.18	0.23	0.00	0.23
		3	15	501	307	2050	120	0.15	0.01	0.14	0.19	0.00	0.19
	B	1	45	101	306	2050	38	17.80	3.75	22.78	21.49	7.22	28.71
		2	69	31	428	2150	38	23.50	6.04	35.72	39.67	11.82	51.49
		3	74	21	513	2100	38	25.24	7.41	42.74	51.08	14.21	65.28
		4	83	8	570	2050	38	31.10	10.01	56.20	69.93	7.45	77.38
	Bc	1	31	193	315	2050	58	1.76	0.36	1.54	2.19	0.46	2.65
		2	99	-10	459	2050	58	208.39	30.87	135.02	377.23	26.68	403.92
		3	50	82	346	2050	58	8.24	6.07	26.82	11.25	5.99	17.24
	Bcf	1	63	44	1417	2263	120	1.33	0.52	4.80	7.43	0.00	7.43
		2	14	546	315	2263	120	0.13	0.01	0.10	0.16	0.00	0.16
		3	100	-10	460	2263	120	144.86	20.88	192.58	263.12	15.81	278.93
		4	15	488	346	2263	120	0.14	0.01	0.13	0.20	0.00	0.20
	Bf	1	41	121	734	1800	120	0.69	0.14	0.35	1.99	0.00	1.99
		2	60	50	1083	1800	120	1.51	0.45	1.14	6.43	0.00	6.43
	C	1	88	2	495	2100	30	50.72	10.94	51.92	99.02	8.03	107.05
		2	96	-6	564	2200	30	136.40	27.38	128.65	303.67	17.70	321.37
		3	59	52	324	2050	30	23.53	5.84	26.98	30.11	4.38	34.49
	Cf	1	25	257	495	1965	120	0.31	0.04	0.17	0.60	0.00	0.60
		2	100	-10	889	1965	120	108.43	39.06	153.98	380.16	23.42	403.58
	D	1	50	82	355	2050	40	25.55	4.67	48.80	35.83	8.99	44.81
		2	100	-10	648	1850	40	101.28	21.52	224.95	258.67	27.15	285.82
		3	100	-10	747	2250	40	86.07	20.14	219.01	253.53	23.70	277.23
	Dc	1	86	4	936	2100	60	20.92	9.54	108.21	77.21	18.56	95.77
		2	68	33	737	2100	60	12.84	7.58	89.48	37.30	14.53	51.83
		3	84	7	665	2100	60	18.88	7.99	98.27	49.56	17.33	66.90
		4	97	-8	894	2100	60	47.05	15.61	200.17	166.00	31.02	197.02
	Dcf	1	28	224	569	2050	120	0.34	0.05	0.46	0.76	0.05	0.81
		2	83	8	1151	2100	120	13.92	10.90	95.04	63.22	20.43	83.65
		3	44	105	737	2100	120	1.39	2.40	20.08	4.03	2.13	6.15
		4	32	180	665	2100	120	0.42	1.79	15.45	1.11	0.17	1.29
		5	51	77	894	2100	120	4.61	9.82	84.43	16.27	9.48	25.75
	Df	1	115	-22	1154	1900	120	256.29	95.10	273.41	1166.60	37.63	1204.24
		2	105	-14	782	2250	120	129.19	36.87	106.01	398.51	21.13	419.63
	Dxp	1	32	177	566	2050	101	0.91	1.13	13.92	2.04	0.95	2.99
		2	12	627	216	2050	101	0.35	0.13	1.50	0.29	0.12	0.41
	Ec	1	46	94	598	2150	70	6.90	3.84	44.06	16.27	7.51	23.78
		2	92	-3	1255	2263	70	20.38	11.98	142.17	100.85	22.49	123.35
		3	84	7	1140	2263	70	9.70	6.15	75.55	43.62	11.72	55.34
		4	39	130	529	2250	70	13.44	7.04	88.14	28.04	13.54	41.58
	Ecf	1	52	73	1088	2100	120	0.95	4.93	61.67	4.06	0.72	4.79
		2	45	101	940	2100	120	0.69	0.18	2.25	2.57	0.00	2.57
		3	76	19	1255	2263	120	7.45	7.61	93.26	36.86	14.33	51.18
		4	89	1	1699	2300	120	9.40	9.61	109.67	63.00	17.77	80.77

07:30-08:30	Ef	1	107	-16	900	1900	120	148.98	47.77	215.34	528.89	25.58	554.47
		2	27	236	509	1900	120	0.35	0.05	0.22	0.70	0.00	0.70
	Exp	1	63	42	1091	2050	100	2.88	5.23	58.02	12.39	4.27	16.66
		2	20	354	342	2050	100	0.26	2.34	25.09	0.35	0.05	0.39
	F	1	36	148	140	2100	20	12.83	2.42	16.36	7.07	3.51	10.58
		2	21	323	82	2100	20	10.89	2.35	15.75	3.52	2.00	5.52
		3	99	-9	100	2100	20	634.93	18.27	120.37	249.92	9.63	259.55
	Fc	1	95	-5	1469	2263	80	21.39	13.69	42.95	123.93	13.09	137.01
		2	83	9	1181	2263	80	10.25	12.03	38.12	47.73	10.20	57.93
		3	100	-10	1067	2263	80	67.50	35.94	114.62	283.98	33.14	317.13
	Ff	1	11	717	209	1900	120	0.12	0.01	0.01	0.10	0.08	0.17
		2	95	-5	95	1900	120	1850.10	51.20	106.91	693.25	6.41	699.65
	G	1	78	16	377	2050	28	49.69	9.76	35.93	73.87	7.87	81.74
		2	33	177	163	2050	28	41.33	2.79	10.51	26.52	5.74	32.26
	Gf	1	18	393	374	2050	120	0.20	2.34	34.65	0.30	0.06	0.36
		2	7	1264	135	2050	120	0.11	2.33	34.79	0.06	0.11	0.17
	xA	1	63	43	1428	2263	120	1.36	0.54	1.35	7.65	0.02	7.67
		2	59	53	1335	2263	120	1.14	0.42	1.06	6.01	0.00	6.01
	xB	1	0	Unrestricted	1417	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	43	110	540	1900	120	7.43	11.76	58.47	15.83	10.37	26.20
		2	21	320	300	1900	120	3.15	4.70	23.29	3.73	4.43	8.16
	xD	1	0	Unrestricted	565	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	214	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xE	1	0	Unrestricted	1091	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		2	0	Unrestricted	342	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	xF	1	0	Unrestricted	649	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	Cc1	1	27	237	301	2050	64	3.46	2.58	15.47	4.10	2.17	6.27
	E1	1	60	50	307	2050	28	36.69	5.54	39.84	44.39	10.66	55.05
		2	98	-8	537	2200	28	124.02	22.32	160.41	262.94	32.98	295.92
	Gf1	1	5	1870	31	669	120	1.88	0.24	2.83	0.23	0.32	0.55
	Cc2	2	42	115	505	2150	66	10.32	4.97	31.21	20.55	9.28	29.83
		3	65	38	755	2050	66	13.74	13.51	87.06	40.94	16.19	57.12
		4	100	-10	804	2150	66	98.89	27.44	177.38	313.75	44.76	358.51
		5	49	83	570	2050	66	17.37	11.88	77.06	39.04	13.61	52.65
	E2	3	72	25	374	2150	28	29.28	6.04	65.22	43.19	11.50	54.69
		4	26	242	135	2050	28	19.34	2.37	25.04	10.30	3.34	13.64
	TC5	2	57	59	1099	2263	101	1.75	2.34	58.33	7.59	0.87	8.46
		3	69	31	1335	2263	101	2.14	1.19	29.68	11.26	0.44	11.70
		4	0	Unrestricted	0	1800	11	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	39	130	558	1925	86	6.45	6.27	39.31	14.19	2.32	16.52
		2	22	306	323	1966	86	5.14	3.17	19.82	6.55	1.19	7.74
		3	20	339	296	1947	86	5.05	2.95	18.28	5.90	1.04	6.93
	TC35	1	20	344	330	1900	101	1.09	1.47	35.11	1.42	0.29	1.71
	TC36	1	4	2150	72	1800	120	0.04	0.00	0.02	0.01	0.00	0.01
	TC37	1	1	7641	19	1850	105	0.89	0.07	0.96	0.07	0.08	0.14
	TC38	1	8	1092	19	252	120	3.30	2.42	65.23	0.25	0.37	0.61
	TC39	2	49	85	1101	2263	120	0.75	0.23	3.76	3.27	0.00	3.27
		3	59	53	1335	2263	120	1.14	0.42	7.32	6.02	0.00	6.02
	TC40	2	0	Unrestricted	1120	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
		3	0	Unrestricted	1335	Unrestricted	120	0.00	0.00	0.00	0.00	0.00	0.00
	TC41	1	38	136	53	1850	8	60.81	2.53	26.65	12.71	1.83	14.54
	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	65	39	840	1300	120	2.52	0.59	2.53	8.34	0.00	8.34
	48	1	114	-21	1574	1965	120	232.79	120.87	1260.86	1445.31	50.71	1496.02
	49	1	29	206	558	1900	120	0.39	0.06	1.34	0.87	0.00	0.87
		2	33	176	619	1900	120	0.46	0.08	1.72	1.12	0.00	1.12
	50	1	96	-6	1817	1900	120	16.88	8.52	101.78	121.01	0.00	121.01

	51	1	249	-64	759	1900	120	1086.86	237.69	3647.69	3253.87	22.58	3276.45

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	372	372	0		2050	649	57		57	0.51	36
		2	213	213	0		2050	649	33		174	0.52	36
		3	338	337	-2	✓	2050	337	100	✓	-10	0.52	36
		4	307	307	-2	✓	2050	649	47		90	0.51	36
	Ac	1	1034	1045	46	✓	2263	1245	83		8	0.87	64
		2	85	85	108	✓	2263	1226	7		1197	1.58	64
		3	174	181	139	✓	2263	181	97	✓	-7	0.58	64
	Acf	1	1106	1119	167	✓	2263	2204	50		79	0.83	120
		2	174	174	139	✓	2263	174	100	✓	-10	1.03	120
	Af	1	585	585	0		2050	2050	29		215	0.51	120
		2	338	338	-2	✓	2050	2050	16		446	0.52	120
		3	307	307	-2	✓	2050	2050	15		501	0.51	120
	B	1	306	306	0		2050	683	45		101	0.00	38
		2	428	428	0		2150	622	69		31	0.00	38
		3	513	513	0		2100	689	74		21	0.00	38
		4	570	570	0		2050	683	83		8	0.00	38
	Bc	1	315	315	126	✓	2050	1025	31		193	1.29	58
		2	459	461	74	✓	2050	461	99	✓	-10	0.81	58
		3	346	342	39	✓	2050	699	50		82	1.23	58
	Bcf	1	1417	1417	35	✓	2263	2263	63		44	0.66	120
		2	315	315	126	✓	2263	2263	14		546	1.29	120
		3	460	459	73	✓	2263	459	100	✓	-10	0.89	120
		4	346	346	39	✓	2263	2263	15		488	1.23	120
	Bf	1	734	734	0		1800	1800	41		121	0.00	120
		2	1083	1083	0		1800	1800	60		50	0.00	120
	C	1	495	495	68	✓	2100	560	88		2	0.53	30
		2	564	564	78	✓	2200	587	96	✓	-6	1.02	30
		3	324	324	45	✓	2050	547	59		52	1.02	30
	Cf	1	495	495	68	✓	1965	1965	25		257	0.53	120
		2	889	889	122	✓	1965	889	100	✓	-10	0.53	120
	D	1	355	355	54	✓	2050	718	50		82	0.83	40
		2	648	648	98	✓	1850	648	100	✓	-10	0.83	40
		3	747	747	35	✓	2250	747	100	✓	-10	1.06	40
	Dc	1	936	936	80	✓	2100	1085	86		4	0.70	60
		2	737	737	59	✓	2100	1085	68		33	0.63	60
		3	665	665	26	✓	2100	790	84		7	0.74	60
		4	894	894	45	✓	2100	919	97	✓	-8	0.79	60
	Dcf	1	569	566	71	✓	2050	2050	28		224	0.84	120
		2	1151	1151	108	✓	2100	1382	83		8	0.59	120
		3	737	737	59	✓	2100	1682	44		105	0.66	120
		4	665	665	26	✓	2100	2067	32		180	0.74	120
		5	894	894	45	✓	2100	1754	51		77	1.10	120
	Df	1	1154	1003	0		1900	1003	115	✓	-22	0.00	120
		2	782	747	0		2250	747	105	✓	-14	0.00	120
	Dxp	1	566	565	74	✓	2050	1743	32		177	0.80	101
		2	216	214	28	✓	2050	1743	12		627	1.15	101
	Ec	1	598	598	64	✓	2150	1290	46		94	0.79	70
		2	1255	1255	114	✓	2263	1358	92	✓	-3	0.62	70
		3	1140	1140	59	✓	2263	1358	84		7	0.70	70
		4	529	529	28	✓	2250	1350	39		130	1.02	70
		1	1088	1091	103	✓	2100	2095	52		73	0.69	120

07:30-08:30	Ecf	2	940	940	89	✓	2100	2100	45		101	0.73	120
		3	1255	1255	114	✓	2263	1654	76		19	0.49	120
		4	1699	1699	89	✓	2300	1904	89		1	0.39	120
	Ef	1	900	844	-1	✓	1900	844	107	✓	-16	0.00	120
		2	509	509	0		1900	1900	27		236	0.00	120
	Exp	1	1091	1091	100	✓	2050	1725	63		42	0.69	100
		2	342	342	25	✓	2050	1725	20		354	1.05	100
	F	1	140	140	189	✓	2100	385	36		148	0.83	20
		2	82	82	110	✓	2100	385	21		323	0.83	20
		3	100	101	136	✓	2100	101	99	✓	-9	1.11	20
	Fc	1	1469	1469	128	✓	2263	1546	95	✓	-5	0.58	80
		2	1181	1181	62	✓	2263	1431	83		9	0.83	80
		3	1067	1071	62	✓	2263	1071	100	✓	-10	0.99	80
	Ff	1	209	221	312	✓	1900	1900	11		717	0.83	120
		2	95	100	141	✓	1900	100	95	✓	-5	0.83	120
	G	1	377	377	0		2050	485	78		16	1.50	28
		2	163	163	1	✓	2050	500	33		177	1.43	28
	Gf	1	374	374	0		2050	2050	18		393	1.50	120
		2	135	135	0		2050	2047	7		1264	1.50	120
	xA	1	1428	1429	265	✓	2263	2263	63		43	0.56	120
		2	1335	1335	112	✓	2263	2263	59		53	0.74	120
	xB	1	1417	1417	35	✓	Unrestricted	Unrestricted	0		Unrestricted	0.54	120
	xC	1	540	540	74	✓	1900	1259	43		110	1.18	120
		2	300	300	54	✓	1900	1400	21		320	1.34	120
	xD	1	565	569	75	✓	Unrestricted	Unrestricted	0		Unrestricted	0.72	120
		2	214	213	29	✓	Unrestricted	Unrestricted	0		Unrestricted	1.04	120
	xE	1	1091	1091	100	✓	Unrestricted	Unrestricted	0		Unrestricted	0.59	120
		2	342	342	26	✓	Unrestricted	Unrestricted	0		Unrestricted	0.82	120
	xF	1	649	649	68	✓	Unrestricted	Unrestricted	0		Unrestricted	0.68	120
	Cc1	1	301	301	126	✓	2050	1128	27		237	1.13	64
	E1	1	307	307	20	✓	2050	513	60		50	0.94	28
		2	537	537	35	✓	2200	550	98	✓	-8	0.94	28
	Gf1	1	31	31	1	✓	669	669	5		1870	1.05	120
	Cc2	2	505	504	61	✓	2150	1204	42		115	0.73	66
		3	755	756	3	✓	2050	1162	65		38	0.97	66
		4	804	804	51	✓	2150	804	100	✓	-10	0.70	66
		5	570	570	0		2050	1161	49		83	1.33	66
	E2	3	374	374	0		2150	521	72		25	0.00	28
		4	135	135	0		2050	513	26		242	0.00	28
	TC5	2	1099	1101	199	✓	2263	1942	57		59	0.58	101
		3	1335	1335	112	✓	2263	1942	69		31	0.74	101
		4	0	0	0		1800	180	0		Unrestricted	0.00	11
	TC9	1	558	558	0		1925	1428	39		130	0.00	86
		2	323	323	0		1966	1458	22		306	0.00	86
		3	296	296	0		1947	1444	20		339	0.00	86
	TC35	1	330	331	65	✓	1900	1631	20		344	0.83	101
	TC36	1	72	72	-4	✓	1800	1800	4		2150	0.00	120
	TC37	1	19	19	0		1850	1634	1		7641	0.00	105
	TC38	1	19	19	0		252	252	8		1092	0.23	120
	TC39	2	1101	1101	197	✓	2263	2263	49		85	0.63	120
		3	1335	1335	112	✓	2263	2263	59		53	0.74	120
	TC40	2	1120	1120	197	✓	Unrestricted	Unrestricted	0		Unrestricted	0.52	120
		3	1335	1335	112	✓	Unrestricted	Unrestricted	0		Unrestricted	0.64	120
	TC41	1	53	53	-4	✓	1850	139	38		136	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	840	840	128	✓	1300	1300	65		39	0.66	120
	48	1	1574	1384	0		1965	1384	114	✓	-21	0.00	120

	49	1	558	558	0		1900	1900	29		206	0.00	120
		2	619	619	0		1900	1900	33		176	0.00	120
	50	1	1817	1817	0		1900	1900	96	✓	-6	0.00	120
	51	1	759	304	-2	✓	1900	304	249	✓	-64	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	15.75	1.63	23.11	78.32	291.33	9.35
		2	5.77	12.11	0.72	10.17	70.03	149.15	4.79
		3	5.90	115.86	10.88	154.46	143.48	483.38	15.52
		4	6.03	14.66	1.25	17.75	77.29	237.29	7.62
	Ac	1	7.19	24.78	7.12	101.06	94.65	987.31	31.69
		2	9.50	1.05	0.02	0.35	44.29	37.47	0.64
		3	6.60	363.24	17.59	249.84	246.77	438.42	14.07
	Acf	1	5.22	0.91	0.28	3.95	5.20	58.16	1.87
		2	7.24	346.88	16.79	238.45	211.36	368.50	6.29
	Af	1	6.42	0.35	0.06	0.81	0.00	0.00	0.00
		2	6.38	0.17	0.02	0.23	0.00	0.00	0.00
		3	6.36	0.15	0.01	0.19	0.00	0.00	0.00
	B	1	7.10	17.80	1.51	21.49	73.51	224.95	7.22
		2	7.29	23.50	2.79	39.67	86.03	368.22	11.82
		3	7.48	25.24	3.60	51.08	86.27	442.56	14.21
		4	12.29	31.10	4.92	69.93	104.26	594.25	7.45
	Bc	1	11.96	1.76	0.15	2.19	6.53	20.58	0.46
		2	11.83	208.39	26.57	377.23	259.49	1197.12	26.68
		3	11.71	8.24	0.79	11.25	78.76	268.57	5.99
	Bcf	1	4.15	1.33	0.52	7.43	0.00	0.00	0.00
		2	5.81	0.13	0.01	0.16	0.01	0.04	0.00
		3	5.89	144.86	18.53	263.12	144.82	660.84	15.81
		4	6.29	0.14	0.01	0.20	0.04	0.15	0.00
	Bf	1	27.34	0.69	0.14	1.99	0.00	0.00	0.00
		2	27.41	1.51	0.45	6.43	0.00	0.00	0.00
	C	1	14.54	50.72	6.97	99.02	129.45	640.74	8.03
		2	14.68	136.40	21.39	303.67	250.08	1411.48	17.70
		3	14.92	23.53	2.12	30.11	107.78	349.64	4.38
	Cf	1	17.35	0.31	0.04	0.60	0.00	0.00	0.00
		2	17.50	108.43	26.77	380.16	210.14	1867.81	23.42
	D	1	4.13	25.55	2.52	35.83	78.75	279.94	8.99
		2	4.13	101.28	18.22	258.67	130.63	845.85	27.15
		3	3.97	86.07	17.85	253.53	98.89	738.47	23.70
	Dc	1	3.80	20.92	5.44	77.21	61.78	578.28	18.56
		2	3.65	12.84	2.63	37.30	61.47	452.80	14.53
		3	3.51	18.88	3.49	49.56	81.16	540.00	17.33
		4	3.36	47.05	11.69	166.00	108.05	966.44	31.02
	Dcf	1	4.95	0.34	0.05	0.76	0.30	1.68	0.05
		2	4.94	13.92	4.45	63.22	55.28	636.42	20.43
		3	5.49	1.39	0.28	4.03	9.65	71.07	2.13
		4	7.17	0.42	0.08	1.11	1.44	9.58	0.17
		5	5.02	4.61	1.15	16.27	33.03	295.42	9.48
	Df	1	24.00	256.29	82.16	1166.60	299.25	3001.42	37.63
		2	24.00	129.19	28.06	398.51	225.64	1684.98	21.13
	Dxp	1	3.50	0.91	0.14	2.04	5.25	29.67	0.95
		2	3.65	0.35	0.02	0.29	1.72	3.66	0.12
	Ec	1	3.76	6.90	1.15	16.27	39.11	233.82	7.51
		2	3.63	20.38	7.10	100.85	55.85	700.75	22.49
		3	3.51	9.70	3.07	43.62	32.03	365.09	11.72
		4	3.44	13.44	1.97	28.04	79.74	421.88	13.54

07:30-08:30	Ecf	1	3.45	0.95	0.29	4.06	2.07	22.56	0.72
		2	3.48	0.69	0.18	2.57	0.00	0.05	0.00
		3	3.52	7.45	2.60	36.86	35.57	446.29	14.33
		4	3.86	9.40	4.44	63.00	33.26	565.30	17.77
	Ef	1	15.31	148.98	37.25	528.89	241.67	2040.26	25.58
		2	15.31	0.35	0.05	0.70	0.00	0.00	0.00
	Exp	1	3.89	2.88	0.87	12.39	12.19	132.99	4.27
		2	4.03	0.26	0.02	0.35	0.41	1.41	0.05
	F	1	6.38	12.83	0.50	7.07	78.07	109.37	3.51
		2	6.43	10.89	0.25	3.52	75.81	62.29	2.00
		3	6.54	634.93	17.60	249.92	298.25	299.93	9.63
	Fc	1	19.10	21.39	8.73	123.93	53.49	785.49	13.09
		2	18.72	10.25	3.36	47.73	50.89	601.07	10.20
		3	19.42	67.50	20.00	283.98	197.75	2117.10	33.14
	Ff	1	33.09	0.12	0.01	0.10	2.77	6.13	0.08
		2	33.05	1850.10	48.82	693.25	512.12	511.05	6.41
	G	1	16.06	49.69	5.20	73.87	122.37	461.18	7.87
		2	11.45	41.33	1.87	26.52	109.92	178.83	5.74
	Gf	1	2.92	0.20	0.02	0.30	0.50	1.86	0.06
		2	2.88	0.11	0.00	0.06	2.59	3.49	0.11
	xA	1	17.22	1.36	0.54	7.65	0.04	0.58	0.02
		2	17.25	1.14	0.42	6.01	0.00	0.01	0.00
	xB	1	5.79	0.00	0.00	0.00	0.00	0.00	0.00
	xC	1	8.67	7.43	1.12	15.83	59.82	323.00	10.37
		2	8.70	3.15	0.26	3.73	45.95	137.98	4.43
	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	6.76	3.46	0.29	4.10	19.23	57.80	2.17
	E1	1	6.00	36.69	3.13	44.39	108.22	331.95	10.66
		2	6.00	124.02	18.52	262.94	191.18	1027.58	32.98
	Gf1	1	3.69	1.88	0.02	0.23	32.85	10.04	0.32
	Cc2	2	7.19	10.32	1.45	20.55	58.76	296.09	9.28
		3	7.36	13.74	2.88	40.94	76.04	574.48	16.19
		4	7.04	98.89	22.10	313.75	180.45	1449.84	44.76
		5	7.98	17.37	2.75	39.04	107.09	610.43	13.61
	E2	3	4.00	29.28	3.04	43.19	95.82	358.38	11.50
		4	4.07	19.34	0.73	10.30	77.08	104.06	3.34
	TC5	2	2.76	1.75	0.53	7.59	6.27	69.00	0.87
		3	2.76	2.14	0.79	11.26	2.64	35.26	0.44
		4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TC9	1	11.00	6.45	1.00	14.19	33.22	185.36	2.32
		2	11.05	5.14	0.46	6.55	29.32	94.69	1.19
		3	11.12	5.05	0.42	5.90	27.98	82.82	1.04
	TC35	1	2.90	1.09	0.10	1.42	6.88	22.80	0.29
	TC36	1	3.03	0.04	0.00	0.01	0.00	0.00	0.00
	TC37	1	3.19	0.89	0.00	0.07	11.68	2.22	0.08
	TC38	1	1.53	3.30	0.02	0.25	55.55	10.55	0.37
	TC39	2	2.54	0.75	0.23	3.27	0.00	0.00	0.00
		3	2.40	1.14	0.42	6.02	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	60.81	0.90	12.71	99.00	52.47	1.83
	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	2.52	0.59	8.34	0.03	0.24	0.00

	48	1	6.61	232.79	101.78	1445.31	292.29	4044.70	50.71
	49	1	3.15	0.39	0.06	0.87	0.00	0.00	0.00
		2	3.15	0.46	0.08	1.12	0.00	0.00	0.00
	50	1	5.78	16.88	8.52	121.01	0.00	0.00	0.00
	51	1	4.50	1086.86	229.15	3253.87	591.96	1800.90	22.58

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	5.58	12.96	43.07	0.00	0.00	
		2	0.00	2.76	13.37	20.65	0.00	0.00	
		3	0.00	14.09	13.67	103.05	0.00	18.28	
		4	0.00	4.95	13.97	35.40	0.00	0.00	
	Ac	1	0.00	17.11	16.66	102.68	0.00	0.00	
		2	0.00	1.69	16.06	10.55	0.00	44.96	
		3	0.00	18.68	15.30	122.14	0.00	56.42	
	Acf	1	0.00	2.57	12.10	21.26	0.00	19.11	
		2	0.00	17.94	12.25	146.48	0.00	110.75	
	Af	1	0.00	0.06	9.31	0.61	0.00	27.00	
		2	0.00	0.02	9.25	0.18	0.00	27.00	
		3	0.00	0.01	9.22	0.14	0.00	27.00	
	B	1	0.00	3.75	16.46	22.78	0.00	0.00	
		2	0.00	6.04	16.90	35.72	0.00	5.30	
		3	0.00	7.41	17.34	42.74	0.00	0.62	
		4	0.00	10.01	17.81	56.20	0.00	0.00	
	Bc	1	0.00	0.36	23.10	1.54	0.00	10.00	
		2	0.00	30.87	22.87	135.02	0.00	32.99	
		3	0.00	6.07	22.63	26.82	0.00	29.08	
	Bcf	1	0.00	0.52	10.90	4.80	0.00	16.00	
		2	0.00	0.01	10.98	0.10	0.00	57.00	
		3	0.00	20.88	10.84	192.58	0.00	95.66	
		4	0.00	0.01	10.83	0.13	0.00	66.00	
	Bf	1	0.00	0.14	39.62	0.35	0.00	0.00	
		2	0.00	0.45	39.73	1.14	0.00	0.00	
	C	1	0.00	10.94	21.07	51.92	0.00	0.00	
		2	0.00	27.38	21.28	128.65	0.00	0.00	
		3	0.00	5.84	21.63	26.98	0.00	12.00	
	Cf	1	0.00	0.04	25.15	0.17	0.00	24.00	
		2	0.00	39.06	25.37	153.98	0.00	65.72	
	D	1	0.00	4.67	9.57	48.80	0.00	4.00	
		2	0.00	21.52	9.57	224.95	0.00	0.00	
		3	0.00	20.14	9.20	219.01	0.00	2.17	
	Dc	1	0.00	9.54	8.81	108.21	0.00	0.01	
		2	0.00	7.58	8.47	89.48	0.00	0.00	
		3	0.00	7.99	8.14	98.27	0.00	16.86	
		4	0.00	15.61	7.80	200.17	0.00	9.49	
	Dcf	1	0.00	0.05	11.47	0.46	0.00	24.00	
		2	0.00	10.90	11.46	95.04	0.00	51.01	
		3	0.00	2.40	11.93	20.08	0.00	35.90	
		4	0.00	1.79	11.60	15.45	0.00	30.86	
		5	0.00	9.82	11.64	84.43	0.00	65.76	
	Df	1	0.00	95.10	34.78	273.41	0.00	56.65	
		2	0.00	36.87	34.78	106.01	0.00	80.17	
	Dxp	1	0.00	1.13	8.11	13.92	0.00	12.00	
		2	0.00	0.13	8.46	1.50	0.00	54.00	
	Ec	1	0.00	3.84	8.71	44.06	0.00	9.00	
		2	0.00	11.98	8.42	142.17	0.00	0.00	
		3	0.00	6.15	8.13	75.55	0.00	0.00	

07:30-08:30		4	0.00	7.04	7.99	88.14	0.00	30.00	
	Ecf	1	0.00	4.93	7.99	61.67	0.00	22.28	
		2	0.00	0.18	8.06	2.25	0.00	20.00	
		3	0.00	7.61	8.16	93.26	0.00	40.27	
		4	0.00	9.61	8.76	109.67	0.00	28.66	
	Ef	1	0.00	47.77	22.18	215.34	0.00	66.68	
		2	0.00	0.05	22.18	0.22	0.00	0.00	
	Exp	1	0.00	5.23	9.01	58.02	0.00	16.00	
		2	0.00	2.34	9.34	25.09	0.00	39.00	
	F	1	0.00	2.42	14.80	16.36	0.00	0.00	
		2	0.00	2.35	14.91	15.75	0.00	1.00	
		3	0.00	18.27	15.17	120.37	0.00	16.25	
	Fc	1	0.00	13.69	31.86	42.95	0.00	3.00	
		2	0.00	12.03	31.56	38.12	0.00	12.12	
		3	0.00	35.94	31.35	114.62	0.00	25.23	
	Ff	1	0.00	0.01	47.95	0.01	0.00	43.00	
		2	0.00	51.20	47.89	106.91	0.00	113.70	
	G	1	0.00	9.76	27.16	35.93	0.00	7.61	
		2	0.00	2.79	26.54	10.51	0.00	18.73	
	Gf	1	0.00	2.34	6.76	34.65	0.00	90.03	
		2	0.00	2.33	6.69	34.79	0.00	90.20	
	xA	1	0.00	0.54	39.94	1.35	0.00	19.00	
		2	0.00	0.42	39.99	1.06	0.00	37.00	
	xB	1	0.00	0.00	13.42	0.00	0.00	2.00	
	xC	1	0.00	11.76	20.10	58.47	0.00	55.46	
		2	0.00	4.70	20.17	23.29	0.00	68.58	
	xD	1	0.00	0.00	21.17	0.00	0.00	14.00	
		2	0.00	0.00	21.35	0.00	0.00	59.00	
	xE	1	0.00	0.00	30.24	0.00	0.00	10.00	
		2	0.00	0.00	30.23	0.00	0.00	42.00	
	xF	1	0.00	0.00	28.27	0.00	0.00	6.00	
	Cc1	1	0.00	2.58	16.67	15.47	0.00	16.00	
	E1	1	0.00	5.54	13.91	39.84	0.00	10.00	
		2	0.00	22.32	13.91	160.41	0.00	0.00	
	Gf1	1	0.00	0.24	8.57	2.83	0.00	86.00	
	Cc2	2	0.00	4.97	15.93	31.21	0.00	0.79	
		3	0.00	13.51	15.52	87.06	0.00	8.00	
		4	0.00	27.44	15.47	177.38	0.00	23.15	
		5	0.00	11.88	15.42	77.06	0.00	34.03	
	E2	3	0.00	6.04	9.27	65.22	0.00	0.95	
		4	0.00	2.37	9.45	25.04	0.00	0.00	
	TC5	2	0.00	2.34	4.01	58.33	0.00	13.00	
		3	0.00	1.19	4.00	29.68	0.00	23.00	
		4	0.00	0.00	4.25	0.00	0.00	12.00	
	TC9	1	0.00	6.27	15.95	39.31	0.00	0.00	
		2	0.00	3.17	16.02	19.82	0.00	0.00	
		3	0.00	2.95	16.12	18.28	0.00	0.00	
	TC35	1	0.00	1.47	4.20	35.11	0.00	20.00	
	TC36	1	0.00	0.00	4.39	0.02	0.00	0.00	
	TC37	1	0.00	0.07	7.71	0.96	0.00	105.00	
	TC38	1	0.00	2.42	3.71	65.23	0.00	47.00	
	TC39	2	0.00	0.23	6.13	3.76	0.00	30.00	
		3	0.00	0.42	5.79	7.32	0.00	40.00	
	TC40	2	0.00	0.00	10.22	0.00	0.00	16.00	
		3	0.00	0.00	9.71	0.00	0.00	22.00	
	TC41	1	0.00	2.53	9.50	26.65	0.00	5.00	
	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	0.59	23.24	2.53	0.00	15.00	
	48	1	0.00	120.87	9.59	1260.86	0.00	35.49	
	49	1	0.00	0.06	4.56	1.34	0.00	0.00	
		2	0.00	0.08	4.56	1.72	0.00	0.00	
	50	1	0.00	8.52	8.37	101.78	0.00	0.00	
	51	1	0.00	237.69	6.52	3647.69	0.00	100.79	

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	✓	5.58	0.38	4.55	1.00	0.00	32.46
		2	0.00	0.00	✓	2.76	0.08	2.40	1.00	0.00	14.96
		3	0.00	0.00		18.17	13.65	17.63	1.00	0.00	169.98
		4	0.00	0.00	✓	4.95	0.21	4.01	1.00	0.00	25.37
	Ac	1	0.00	0.00		17.13	2.01	13.61	1.00	0.00	132.75
		2	0.00	0.00		1.69	0.00	0.58	1.00	0.00	0.99
		3	0.00	0.00		20.18	18.64	20.16	1.00	0.00	263.92
	Acf	1	0.00	0.00		2.57			1.00	0.00	5.82
		2	0.00	0.00		20.64			1.00	0.00	244.74
	Af	1	0.00	0.00	✓	0.06			1.00	0.00	0.81
		2	0.00	0.00	✓	0.02			1.00	0.00	0.23
		3	0.00	0.00	✓	0.01			1.00	0.00	0.19
	B	1	0.00	0.00	✓	3.75	0.18	3.67	1.00	0.00	28.71
		2	0.00	0.00		6.04	0.76	5.73	1.00	0.00	51.49
		3	0.00	0.00	✓	7.42	1.07	7.06	1.00	0.00	65.28
		4	0.00	0.00	✓	10.06	2.05	9.01	1.00	0.00	77.38
	Bc	1	0.00	0.00		0.36	0.07	0.36	1.00	0.00	2.65
		2	0.00	0.00		34.70	25.02	34.57	1.00	0.00	403.92
		3	0.00	0.00		6.07	0.24	0.44	1.00	0.00	17.24
	Bcf	1	0.00	0.00		0.52			1.00	0.00	7.43
		2	0.00	0.00		0.01			1.00	0.00	0.16
		3	0.00	0.00		25.72			1.00	0.00	278.93
		4	0.00	0.00		0.01			1.00	0.00	0.20
	Bf	1	0.00	0.00	✓	0.14			1.00	0.00	1.99
		2	0.00	0.00	✓	0.45			1.00	0.00	6.43
	C	1	0.00	0.00	✓	11.10	3.17	11.09	1.00	0.00	107.05
		2	0.00	0.00	✓	28.84	13.51	28.84	1.00	0.00	321.37
		3	0.00	0.00	✓	5.84	0.43	5.84	1.00	0.00	34.49
	Cf	1	0.00	0.00	✓	0.04			1.00	0.00	0.60
		2	0.00	0.00	✓	45.23			1.00	0.00	403.58
	D	1	0.00	0.00	✓	4.67	0.24	4.67	1.00	0.00	44.81
		2	0.00	0.00	✓	26.78	18.30	26.78	1.00	0.00	285.82
		3	0.00	0.00	✓	25.79	19.28	25.79	1.00	0.00	277.23
	Dc	1	0.00	0.00		9.59	2.64	9.58	1.00	0.00	95.77
		2	0.00	0.00		7.58	0.71	7.47	1.00	0.00	51.83
		3	0.00	0.00		8.04	2.19	5.53	1.00	0.00	66.90
		4	0.00	0.00	✓	17.75	11.69	17.08	1.00	0.00	197.02
	Dcf	1	0.00	0.00		0.05			1.00	0.00	0.81
		2	0.00	0.00		10.92			1.00	0.00	83.65
		3	0.00	0.00		2.40			1.00	0.00	6.15
		4	0.00	0.00		1.79			1.00	0.00	1.29
		5	0.00	0.00	✓	9.82			1.00	0.00	25.75
	Df	1	0.00	0.00	✓	170.69			1.00	0.00	1204.24
		2	0.00	0.00	✓	55.64			1.00	0.00	419.63
	Dxp	1	0.00	0.00		1.13	0.08	1.08	1.00	0.00	2.99
		2	0.00	0.00		0.13	0.01	0.13	1.00	0.00	0.41
		1	0.00	0.00		3.84	0.20	3.73	1.00	0.00	23.78

07:30-08:30	Ec	2	0.00	0.00		12.24	5.30	12.21	1.00	0.00	123.35
		3	0.00	0.00	✓	6.17	2.16	6.15	1.00	0.00	55.34
		4	0.00	0.00	✓	7.04	0.13	6.98	1.00	0.00	41.58
	Ecf	1	0.00	0.00		4.93			1.00	0.00	4.79
		2	0.00	0.00		0.18			1.00	0.00	2.57
		3	0.00	0.00		7.62			1.00	0.00	51.18
		4	0.00	0.00	✓	9.68			1.00	0.00	80.77
	Ef	1	0.00	0.00	✓	76.26			1.00	0.00	554.47
		2	0.00	0.00	✓	0.05			1.00	0.00	0.70
	Exp	1	0.00	0.00		5.23	0.54	2.98	1.00	0.00	16.66
		2	0.00	0.00		2.34	0.02	0.02	1.00	0.00	0.39
	F	1	0.00	0.00		2.42	0.10	2.00	1.00	0.00	10.58
		2	0.00	0.00		2.35	0.03	1.14	1.00	0.00	5.52
		3	0.00	0.00		20.14	18.50	20.14	1.00	0.00	259.55
	Fc	1	0.00	0.00		14.34	8.03	14.29	1.00	0.00	137.01
		2	0.00	0.00		12.05	2.11	6.41	1.00	0.00	57.93
		3	0.00	0.00		41.75	20.69	29.79	1.00	0.00	317.13
	Ff	1	0.00	0.00		0.01			1.00	0.00	0.17
		2	0.00	0.00		52.27			1.00	0.00	699.65
	G	1	0.00	0.00	✓	9.78	1.33	7.61	1.00	0.00	81.74
		2	0.00	0.00	✓	2.79	0.08	2.79	1.00	0.00	32.26
	Gf	1	0.00	0.00	✓	2.34			1.00	0.00	0.36
		2	0.00	0.00	✓	2.33			1.00	0.00	0.17
	xA	1	0.00	0.00		0.54			1.00	0.00	7.67
		2	0.00	0.00		0.42			1.00	0.00	6.01
	xB	1	0.00	0.00		0.00			1.00	0.00	0.00
	xC	1	0.00	0.00		11.76			1.00	0.00	26.20
		2	0.00	0.00		4.70			1.00	0.00	8.16
	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		2.58	0.05	0.98	1.00	0.00	6.27
	E1	1	0.00	0.00	✓	5.54	0.44	5.54	1.00	0.00	55.05
		2	0.00	0.00	✓	24.73	13.75	24.72	1.00	0.00	295.92
	Gf1	1	0.00	0.00	✓	0.24			1.00	0.00	0.55
	Cc2	2	0.00	0.00		4.97	0.15	4.86	1.00	0.00	29.83
		3	0.00	0.00		13.51	0.60	9.08	1.00	0.00	57.12
		4	0.00	0.00		33.53	23.82	33.00	1.00	0.00	358.51
		5	0.00	0.00	✓	11.88	0.24	9.58	1.00	0.00	52.65
	E2	3	0.00	0.00	✓	6.05	0.91	5.77	1.00	0.00	54.69
		4	0.00	0.00	✓	2.37	0.05	1.73	1.00	0.00	13.64
	TC5	2	0.00	0.00		2.34	0.37	1.89	1.00	0.00	8.46
		3	0.00	0.00		1.19	0.75	1.19	1.00	0.00	11.70
		4	0.00	0.00	✓	0.00	0.00	0.00	1.00	0.00	0.00
	TC9	1	0.00	0.00	✓	6.27	0.13	5.39	1.00	0.00	16.52
		2	0.00	0.00	✓	3.17	0.03	2.96	1.00	0.00	7.74
		3	0.00	0.00	✓	2.95	0.03	2.66	1.00	0.00	6.93
	TC35	1	0.00	0.00		1.47	0.03	0.78	1.00	0.00	1.71
	TC36	1	0.00	0.00	✓	0.00			1.00	0.00	0.01
	TC37	1	0.00	0.00	✓	0.07	0.00	0.07	1.00	0.00	0.14
	TC38	1	0.00	0.00		2.42			1.00	0.00	0.61
	TC39	2	0.00	0.00		0.23			1.00	0.00	3.27
		3	0.00	0.00		0.42			1.00	0.00	6.02
	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	✓	2.53	0.12	1.75	1.00	0.00	14.54

	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		0.59			1.00	0.00	8.34
	48	1	0.00	0.00	✓	216.06			1.00	0.00	1496.02
	49	1	0.00	0.00	✓	0.06			1.00	0.00	0.87
		2	0.00	0.00	✓	0.08			1.00	0.00	1.12
	50	1	0.00	0.00	✓	9.32			1.00	0.00	121.01
	51	1	0.00	0.00		465.08			1.00	0.00	3276.45

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 20:02:02	19/07/2021 20:02:17	07:30	120	13976.82	919.53	249.48	51/1	23	16	TC42/1	51/1	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	249	-100	70910	9755	46.68	13057.28	919.54	13976.82

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	70910	70073	6460	✓	249	✓	-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	8.63	46.68	919.53	13057.28	66.07	42985.04	919.54

Network Results: Queues and blocking

Time Segment	Utilised storage (%)	Excess queue penalty (£ per hr)	Wasted time total (s (per cycle))
07:30-08:30	3647.69	0.00	2976.79

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	13976.82

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	128.7	134.4	240.3	228.9	231.4	255.3	0.0
	B28	628.0	0.0	345.6	565.7	431.9	640.3	584.1	0.0
	C28	416.5	344.4	0.0	346.4	340.1	485.9	453.5	0.0
	D28	1191.8	1725.3	4675.0	0.0	4625.3	1172.4	1181.1	0.0
	E28	420.1	147.8	1501.6	219.2	0.0	276.0	283.1	0.0
	F28	116.4	157.4	484.3	444.5	481.0	0.0	16.2	0.0
	G28	60.6	99.8	485.3	121.7	466.8	213.0	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	520	415.64	520	415.64

24	C28	C28	0	0.00	0	0.00
25	C28	C28	0	0.00	0	0.00
32	C28	E28	175	340.12	175	340.12
36	C28	E28	0	0.00	0	0.00
41	E28	A28	495	425.30	495	425.30
42	E28	C28	39	1505.56	39	1505.56
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	234	346.38	234	346.38
50	E28	D28	55	219.17	55	219.17
68	E28	G28	183	284.33	183	284.33
86	F28	D28	7	170.64	7	170.64
91	C28	F28	40	485.91	40	485.91
92	E28	F28	45	276.02	45	276.02
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	29	342.53	29	342.53
100	E28	B28	135	128.31	135	128.31
101	E28	E28	0	0.00	0	0.00
102	A28	C28	256	119.12	256	119.12
103	F28	B28	0	0.00	0	0.00
104	C28	G28	468	494.22	468	494.22
105	D28	H28	0	0.00	0	0.00
106	G28	C28	100	545.24	100	545.24
107	A28	B28	25	127.06	25	127.06
108	B28	G28	332	550.43	332	550.43
109	C28	G28	230	333.54	230	333.54
110	E28	G28	22	273.03	22	273.03
111	B28	G28	0	0.00	0	0.00
112	F28	G28	19	16.21	19	16.21
113	F28	A28	15	116.36	15	116.36
114	C28	H28	0	0.00	0	0.00
115	B28	C28	9	357.31	9	357.31
116	F28	C28	2	593.19	2	593.19
117	H28	H28	0	0.00	0	0.00
118	F28	C28	0	0.00	0	0.00
119	F28	E28	2	298.57	2	298.57
120	F28	E28	2	170.81	2	170.81
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	2	147.46	2	147.46
130	G28	C28	100	658.37	100	658.37
131	G28	E28	123	682.65	123	682.65
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	8	4884.52	8	4884.52
140	D28	D28	0	0.00	0	0.00
141	D28	E28	8	4867.98	8	4867.98
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	2	736.19	2	736.19
148	F28	D28	7	718.35	7	718.35
149	C28	B28	3	362.57	3	362.57
150	E28	B28	374	154.83	374	154.83
151	B28	A28	0	0.00	0	0.00
152	H28	B28	0	0.00	0	0.00
153	F28	B28	10	157.37	10	157.37
154	E28	A28	18	278.11	18	278.11
155	E28	C28	4	315.98	4	315.98
156	C28	G28	60	478.27	60	478.27
157	H28	B28	0	0.00	0	0.00
158	B28	D28	285	565.71	285	565.71
159	B28	E28	145	565.89	145	565.89
160	B28	G28	173	648.62	173	648.62
161	B28	F28	39	640.31	39	640.31
162	B28	H28	0	0.00	0	0.00
163	B28	A28	37	627.96	37	627.96
164	B28	B28	0	0.00	0	0.00
165	B28	B28	0	0.00	0	0.00
166	B28	C28	74	344.17	74	344.17
167	B28	E28	480	391.49	480	391.49
168	G28	A28	357	60.56	357	60.56
169	G28	B28	71	100.21	71	100.21
170	G28	B28	71	99.35	71	99.35
171	G28	H28	0	0.00	0	0.00
175	G28	C28	0	0.00	0	0.00
176	G28	E28	66	243.69	66	243.69
177	G28	D28	128	121.74	128	121.74
178	G28	E28	34	119.30	34	119.30
181	G28	G28	0	0.00	0	0.00
185	A28	B28	25	130.33	25	130.33
186	A28	C28	49	214.41	49	214.41
187	A28	E28	309	253.23	309	253.23
195	D28	G28	185	1181.01	185	1181.01
196	D28	F28	91	1172.44	91	1172.44
197	D28	G28	53	1181.24	53	1181.24
198	D28	A28	3	1191.81	3	1191.81
199	D28	B28	95	1215.25	95	1215.25
200	D28	B28	95	1214.08	95	1214.08
201	D28	C28	105	4747.63	105	4747.63
204	D28	C28	45	4505.47	45	4505.47
205	D28	E28	27	4536.24	27	4536.24
206	D28	D28	0	0.00	0	0.00
207	D28	E28	8	4437.07	8	4437.07
210	A28	G28	570	263.38	570	263.38
211	A28	H28	0	0.00	0	0.00
212	A28	D28	0	0.00	0	0.00
213	A28	E28	102	148.49	102	148.49
214	G28	G28	0	0.00	0	0.00
215	G28	F28	68	213.05	68	213.05

218	A28	G28	289	239.84	289	239.84
219	A28	F28	112	231.41	112	231.41
220	H28	F28	0	0.00	0	0.00
221	F28	F28	0	0.00	0	0.00
222	A28	D28	2	240.34	2	240.34
223	A28	E28	68	238.89	68	238.89
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	240.38	10	240.38
232	A28	H28	0	0.00	0	0.00
233	B28	H28	0	0.00	0	0.00
234	C28	G28	170	494.88	170	494.88
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	4406.10	36	4406.10
239	D28	B28	0	0.00	0	0.00
240	G28	C28	59	90.19	59	90.19
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	39	1620.81	39	1620.81
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	2	712.30	2	712.30
253	F28	E28	2	718.52	2	718.52
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
257	C28	H28	0	0.00	0	0.00
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	QUEUE

Arm	Traffic Stream	Name	Traffic node	Controller stream	Phase	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Wasted time total (s (per cycle))	Degree of saturation (%)	Practical reserve capacity (%)	JourneyTime (s)	Mean Delay per Veh (s)	Mean stops per Veh (%)	Mean max queue (PCU)
A	1	(untitled)	6	771-2	E	372	2050	36	0.00	57	57	21.34	15.75	78.32	5.58
	2	(untitled)	6	771-2	E	213	2050	36	0.00	33	174	17.87	12.11	70.03	2.76
	3	(untitled)	6	771-2	E	338 <	2050	36	18.28	100	-10	121.75	115.86	143.48	14.09 +
	4	(untitled)	6	771-2	E	307	2050	36	0.00	47	90	20.68	14.66	77.29	4.95
Ac	1	(untitled)	6	771-2	D	1034 <	2263	64	0.00	83	8	31.97	24.78	94.65	17.11 +
	2	(untitled)	6	771-2	D	85	2263	64	44.96	7	1197	10.55	1.05	44.29	1.69
	3	(untitled)	6	771-2	D	174 <	2263	64	56.42	97	-7	369.83	363.24	246.77	18.68 +
Acf	1	(untitled)	6			1106	2263	120	19.11	50	79	6.13	0.91	5.20	2.57
	2	(untitled)	6			174 <	2263	120	110.75	100	-10	354.12	346.88	211.36	17.94 +
Af	1	(untitled)	6			585	2050	120	27.00	29	215	6.78	0.35	0.00	0.06
	2	(untitled)	6			338	2050	120	27.00	16	446	6.56	0.17	0.00	0.02
	3	(untitled)	6			307	2050	120	27.00	15	501	6.52	0.15	0.00	0.01
B	1	(untitled)	1	769-1	B	306	2050	38	0.00	45	101	24.90	17.80	73.51	3.75
	2	(untitled)	1	769-1	B	428	2150	38	5.30	69	31	30.79	23.50	86.03	6.04
	3	(untitled)	1	769-1	B	513	2100	38	0.62	74	21	32.72	25.24	86.27	7.41
	4	(untitled)	1	769-1	B	570	2050	38	0.00	83	8	43.39	31.10	104.26	10.01
Bc	1	(untitled)	1	769-1	A	315	2050	58	10.00	31	193	13.72	1.76	6.53	0.36
	2	(untitled)	1	769-1	A	459 <	2050	58	32.99	99	-10	220.22	208.39	259.49	30.87 +
	3	(untitled)	1	769-1	A	346	2050	58	29.08	50	82	19.95	8.24	78.76	6.07
Bcf	1	(untitled)	1			1417	2263	120	16.00	63	44	5.48	1.33	0.00	0.52
	2	(untitled)	1			315	2263	120	57.00	14	546	5.94	0.13	0.01	0.01
	3	(untitled)	1			460 <	2263	120	95.66	100	-10	150.75	144.86	144.82	20.88 +
	4	(untitled)	1			346	2263	120	66.00	15	488	6.43	0.14	0.04	0.01
Bf	1	(untitled)	1			734	1800	120	0.00	41	121	28.03	0.69	0.00	0.14
	2	(untitled)	1			1083	1800	120	0.00	60	50	28.92	1.51	0.00	0.45
C	1	(untitled)	2	769-2	G	495	2100	30	0.00	88	2	65.25	50.72	129.45	10.94
	2	(untitled)	2	769-2	G	564 <	2200	30	0.00	96	-6	151.08	136.40	250.08	27.38 +
	3	(untitled)	2	769-2	G	324	2050	30	12.00	59	52	38.45	23.53	107.78	5.84
Cf	1	(untitled)	2			495	1965	120	24.00	25	257	17.66	0.31	0.00	0.04
	2	(untitled)	2			889 <	1965	120	65.72	100	-10	125.94	108.43	210.14	39.06 +
D	1	(untitled)	3	770-1	B	355	2050	40	4.00	50	82	29.68	25.55	78.75	4.67
	2	(untitled)	3	770-1	B	648 <	1850	40	0.00	100	-10	105.41	101.28	130.63	21.52 +
	3	(untitled)	3	770-1	B	747 <	2250	40	2.17	100	-10	90.04	86.07	98.89	20.14 +
Dc	1	(untitled)	3	770-1	A	936 <	2100	60	0.01	86	4	24.72	20.92	61.78	9.54 +
	2	(untitled)	3	770-1	A	737	2100	60	0.00	68	33	16.49	12.84	61.47	7.58
	3	(untitled)	3	770-1	A	665	2100	60	16.86	84	7	22.39	18.88	81.16	7.99
	4	(untitled)	3	770-1	A	894 <	2100	60	9.49	97	-8	50.41	47.05	108.05	15.61 +
Dcf	1	(untitled)	3			569	2050	120	24.00	28	224	5.28	0.34	0.30	0.05
	2	(untitled)	3			1151	2100	120	51.01	83	8	18.87	13.92	55.28	10.90
	3	(untitled)	3			737	2100	120	35.90	44	105	6.87	1.39	9.65	2.40
	4	(untitled)	3			665	2100	120	30.86	32	180	7.59	0.42	1.44	1.79
	5	(untitled)	3			894	2100	120	65.76	51	77	9.63	4.61	33.03	9.82
Df	1	(untitled)	3-2			1154 <	1900	120	56.65	115	-22	280.29	256.29	299.25	95.10 +
	2	(untitled)	3-2			782 <	2250	120	80.17	105	-14	153.19	129.19	225.64	36.87 +
Dxp	1	(untitled)	3-2	770-2	D	566	2050	101	12.00	32	177	4.41	0.91	5.25	1.13
	2	(untitled)	3-2	770-2	D	216	2050	101	54.00	12	627	3.99	0.35	1.72	0.13
Ec	1	(untitled)	4	770-3	F	598	2150	70	9.00	46	94	10.66	6.90	39.11	3.84
	2	(untitled)	4	770-3	F	1255 <	2263	70	0.00	92	-3	24.01	20.38	55.85	11.98 +
	3	(untitled)	4	770-3	F	1140	2263	70	0.00	84	7	13.21	9.70	32.03	6.15
	4	(untitled)	4	770-3	F	529	2250	70	30.00	39	130	16.88	13.44	79.74	7.04
Ecf	1	(untitled)	4			1088	2100	120	22.28	52	73	4.39	0.95	2.07	4.93
	2	(untitled)	4			940	2100	120	20.00	45	101	4.17	0.69	0.00	0.18
	3	(untitled)	4			1255	2263	120	40.27	76	19	10.97	7.45	35.57	7.61
	4	(untitled)	4			1699 <	2300	120	28.66	89	1	13.25	9.40	33.26	9.61 +

Ef	**1**	(untitled)	4			900 <	1900	120	66.68	107	-16	164.29	148.98	241.67	47.77 +
	2	(untitled)	4			509	1900	120	0.00	27	236	15.65	0.35	0.00	0.05
Exp	**1**	(untitled)	4-2	770-4	L	1091	2050	100	16.00	63	42	6.77	2.88	12.19	5.23
	2	(untitled)	4-2	770-4	L	342	2050	100	39.00	20	354	4.29	0.26	0.41	2.34
F	**1**	(untitled)	5	771-1	B	140	2100	20	0.00	36	148	19.22	12.83	78.07	2.42
	2	(untitled)	5	771-1	B	82	2100	20	1.00	21	323	17.32	10.89	75.81	2.35
	3	(untitled)	5	771-1	B	100 <	2100	20	16.25	99	-9	641.48	634.93	298.25	18.27 +
Fc	**1**	(untitled)	5	771-1	A	1469	2263	80	3.00	95	-5	40.50	21.39	53.49	13.69
	2	(untitled)	5	771-1	A	1181	2263	80	12.12	83	9	28.97	10.25	50.89	12.03
	3	(untitled)	5	771-1	A	1067 <	2263	80	25.23	100	-10	86.92	67.50	197.75	35.94 +
Ff	**1**	(untitled)	5			209	1900	120	43.00	11	717	33.20	0.12	2.77	0.01
	2	(untitled)	5			95 <	1900	120	113.70	95	-5	1883.15	1850.10	512.12	51.20 +
G	**1**	(untitled)	2	769-2	F	377	2050	28	7.61	78	16	65.75	49.69	122.37	9.76
	2	(untitled)	2	769-2	F	163	2050	28	18.73	33	177	52.78	41.33	109.92	2.79
Gf	**1**	(untitled)	4			374	2050	120	90.03	18	393	3.12	0.20	0.50	2.34
	2	(untitled)	4			135	2050	120	90.20	7	1264	2.99	0.11	2.59	2.33
xA	**1**	(untitled)	10			1428	2263	120	19.00	63	43	18.58	1.36	0.04	0.54
	2	(untitled)	10			1335	2263	120	37.00	59	53	18.39	1.14	0.00	0.42
xB	**1**	(untitled)				1417	Unrestricted	120	2.00	0	Unrestricted	5.79	0.00	0.00	0.00
xC	**1**	(untitled)				540	1900	120	55.46	43	110	16.10	7.43	59.82	11.76
	2	(untitled)				300	1900	120	68.58	21	320	11.85	3.15	45.95	4.70
xD	**1**	(untitled)				565	Unrestricted	120	14.00	0	Unrestricted	9.13	0.00	0.00	0.00
	2	(untitled)				214	Unrestricted	120	59.00	0	Unrestricted	9.21	0.00	0.00	0.00
xE	**1**	(untitled)				1091	Unrestricted	120	10.00	0	Unrestricted	13.04	0.00	0.00	0.00
	2	(untitled)				342	Unrestricted	120	42.00	0	Unrestricted	13.04	0.00	0.00	0.00
xF	**1**	(untitled)				649	Unrestricted	120	6.00	0	Unrestricted	12.19	0.00	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	301	2050	64	16.00	27	237	10.22	3.46	19.23	2.58
E1	**1**	(untitled)	4	770-3	G	307	2050	28	10.00	60	50	42.69	36.69	108.22	5.54
	2	(untitled)	4	770-3	G	537 <	2200	28	0.00	98	-8	130.02	124.02	191.18	22.32 +
Gf1	**1**	(untitled)	4			31	669	120	86.00	5	1870	5.57	1.88	32.85	0.24
Cc2	**2**	(untitled)	2	769-2	D	505	2150	66	0.79	42	115	17.51	10.32	58.76	4.97
	3	(untitled)	2	769-2	D	755	2050	66	8.00	65	38	21.10	13.74	76.04	13.51
	4	(untitled)	2	769-2	D	804 <	2150	66	23.15	100	-10	105.92	98.89	180.45	27.44 +
	5	(untitled)	2	769-2	D	570	2050	66	34.03	49	83	25.34	17.37	107.09	11.88
E2	**3**	(untitled)	4	770-3	H	374	2150	28	0.95	72	25	33.27	29.28	95.82	6.04
	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	1099	2263	101	13.00	57	59	4.51	1.75	6.27	2.34
	3	(untitled)	TC771-6	TC777-1	A	1335	2263	101	23.00	69	31	4.90	2.14	2.64	1.19
	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	558	1925	86	0.00	39	130	17.45	6.45	33.22	6.27
	2	(untitled)	TC771-6	TC777-1	B	323	1966	86	0.00	22	306	16.20	5.14	29.32	3.17
	3	(untitled)	TC771-6	TC777-1	B	296	1947	86	0.00	20	339	16.17	5.05	27.98	2.95
TC35	**1**	(untitled)	TC771-6	TC777-1	A	330	1900	101	20.00	20	344	3.99	1.09	6.88	1.47
TC36	**1**	(untitled)	TC771-6			72	1800	120	0.00	4	2150	3.07	0.04	0.00	0.00
TC37	**1**	(untitled)	TC771-6	TC777-2	J	19	1850	105	105.00	1	7641	4.08	0.89	11.68	0.07
TC38	**1**	(untitled)	TC771-6			19	252	120	47.00	8	1092	4.83	3.30	55.55	2.42
TC39	**2**	(untitled)	TC771-6			1101	2263	120	30.00	49	85	3.29	0.75	0.00	0.23
	3	(untitled)	TC771-6			1335	2263	120	40.00	59	53	3.54	1.14	0.00	0.42

TC40	2	(untitled)	TC771-6			1120	Unrestricted	120	16.00	0	Unrestricted	4.23	0.00	0.00	0.00
	3	(untitled)	TC771-6			1335	Unrestricted	120	22.00	0	Unrestricted	4.02	0.00	0.00	0.00
TC41	1	(untitled)	TC771-6	TC777-1	D	53	1850	8	5.00	38	136	64.74	60.81	99.00	2.53
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			840	1300	120	15.00	65	39	18.55	2.52	0.03	0.59
48	1	(untitled)	2			1574 <	1965	120	35.49	114	-21	239.41	232.79	292.29	120.87
49	1	(untitled)	TC771-6			558	1900	120	0.00	29	206	3.54	0.39	0.00	0.06
	2	(untitled)	TC771-6			619	1900	120	0.00	33	176	3.61	0.46	0.00	0.08
50	1	(untitled)	1			1817 <	1900	120	0.00	96	-6	22.66	16.88	0.00	8.52 +
51	1	(untitled)	4-2			759 <	1900	120	100.79	249	-64	1091.35	1086.86	591.96	237.69

Pedestrian Crossing Results

				SIGNALS		FLOWS		PERFORMANCE			PER PED		QUEUES	WEIGHTS	P
Pedestrian	Side	Name	Traffic node	Controller stream	Phase	Calculated Flow Entering (Ped/hr)	Calculated sat flow (Ped/hr)	Actual green (s (per cycle))	Degree of saturation (%)	Practical reserve capacity	JourneyTime (s)	Mean Delay per Ped (s)	Mean max queue (Ped)	Delay weighting (%)	(
1	1	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	
	2	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	
2	1	(untitled)	3	770-1	C	0	11000	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	6536.71	1089.49	6.00	919.53	13057.28	919.54	0.00	13976.82
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	6536.71	1089.49	6.00	919.53	13057.28	919.54	0.00	13976.82

- *< = 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***