

TRANSYT 16

Version: 16.0.1.8473
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Filename: M62 JN 28 CRF Scheme_Mar 20_PF_Sept 20_RevE.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Base
Report generation date: 24/01/2021 10:44:24

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Summary of network performance

	Set ID	Cycle time (s)	PI (£ per hr)	Total delay (PCU-hr/hr)	Highest DOS	Number oversaturated
	AM Base 2032 + CP - AM 2032 + CP					
Network	A7 D7	120	13540.02	875.50	121% (TS TC36/1)	29 (20%)

There are warnings associated with this model run - see the 'Data Errors and Warnings' tables.

File summary

File description

File title	(untitled)
Location	
Site number	
UTCRegion	
Driving side	Left

Date	01/03/2017
Version	
Status	[no status]
Identifier	
Client	
Jobnumber	
Enumerator	LEEDS\00730414
Description	

Model and Results

Enable controller offsets	Enable fuel consumption	Enable quick flares	Display journey time results	Display OD matrix distances	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 TRAN SYT 12 style timings	Display effective greens in results	Display Red-With-Ambler	Display End-Of-Green Amber	Display control phase minimums

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

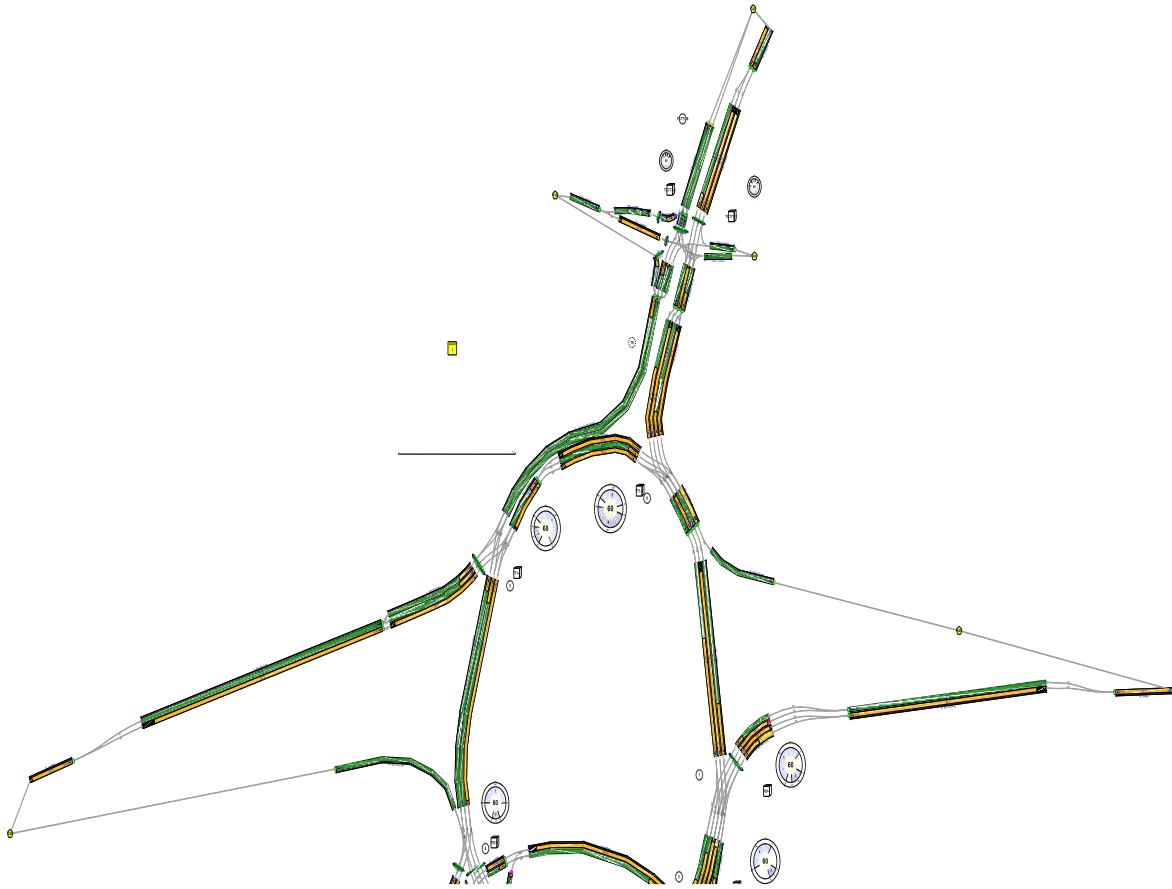
Sorting

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	✓

Simulation options

Criteria type	Stop criteria (%)	Stop criteria time (s)	Stop criteria number of trials	Random seed	Results refresh speed (s)	Average animation capture interval (s)	Use quick response	Do flow sampling	Uniform vehicle generation	Last run random seed	Last run number of trials	Last run time taken (s)
Delay	3.00	999	200	-1	3	60	✓			0	0	0.00

Network Diagrams



A7 - AM Base 2032 + CP D7 - AM 2032 + CP,

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%.

		factor (%)			traffic model	calculation					Segments	
1	90	100	✓	✓			Complex	Uniform (TRANSYT)	Uniform (TRANSYT)	5.75		✓

Normal Traffic parameters

Dispersion type	Dispersion coefficient	Travel time coefficient
Default	35	80

Normal Traffic Types

Name	PCU Factor
Normal	1.00

Bus parameters

Name	PCU Factor	Dispersion type	Acceleration (ms ^[-2])	Stationary time coefficient	Cruise time coefficient
Bus	1.00	Default	0.94	30	85

Tram parameters

Name	PCU Factor	Dispersion type	Acceleration (ms ^[-2])	Stationary time coefficient	Cruise time coefficient
Tram	1.00	Default	0.94	100	100

Pedestrian parameters

Dispersion type
Default

Optimisation options

Enable optimisation	Auto redistribute	Optimisation level	Enable OUT Profile accuracy
✓		Offsets And Green Splits	✓

Advanced

Optimisation type	Hill climb increments	OUTProfile accuracy (%)	Use enhanced optimisation	Auto optimisation order	Optimisation order	Master controller	Offsets relative to master controller	Master controller offset after each run
Standard accuracy Hill Climb	15, 40, -1, 15, 40, 1, -1, 1	50, 50, 5, 5, 0.5, 0.5, 0.05, 0.05		✓	TC777-1, TC777-2			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
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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	Name	Description	Auto length	Length (m)	Has Saturation Flow	Saturation flow source	Saturation flow	Auto-calculated cell	Cell saturation flow	Is signal	Is given	Traffic type	Allow Nearside
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	Stream							(PCU/hr)	saturation flow	(PCU/hr)	controlled	way		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)		✓	155.36	✓	Directly entered	2050		2050	✓		Normal
	2	(untitled)		✓	151.80	✓	Directly entered	2050		2050	✓		Normal
Gf	1	(untitled)		✓	40.48	✓	Directly entered	2050		2050			Normal
	2	(untitled)		✓	40.06	✓	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

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								
TC 5	2	CTM	100	100	100	0.00								
	3	CTM	100	100	100	0.00								
	4	CTM	100	100	100	0.00								
TC 9	1	CTM	100	100	100	0.00								
	2	CTM	100	100	100	0.00								
	3	CTM	100	100	100	0.00								
TC 35	1	CTM	100	100	100	0.00								
TC 36	1	NetworkDefault	100	100	100	0.00								
TC 37	1	CTM	100	100	100	0.00								
TC 38	1	CTM	100	100	100	0.00								
TC 39	2	CTM	100	100	100	0.00								
	3	CTM	100	100	100	0.00								
TC 40	2	PDM	100	100	100	0.00								
	3	PDM	100	100	100	0.00								
TC 41	1	CTM	100	100	100	0.00								
TC 42	1	NetworkDefault	100	100	100	0.00								
TC 43	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	431	431

	2	209	209
	3	367	367
	4	334	334
Ac	1	1128	1128
	2	199	199
	3	315	315
Acf	1	1327	1327
	2	315	315
Af	1	640	640
	2	367	367
	3	334	334
B	1	323	323
	2	445	445
	3	532	532
	4	617	617
Bc	1	444	444
	2	568	568
	3	411	411
Bcf	1	1559	1559
	2	444	444
	3	568	568
	4	411	411
Bf	1	768	768
	2	1149	1149
C	1	554	554
	2	660	660
	3	371	371
Cf	1	554	554
	2	1031	1031
D	1	419	419
	2	766	766
	3	803	803
Dc	1	1026	1026
	2	847	847
	3	720	720
	4	988	988
Dcf	1	668	668
	2	1273	1273
	3	847	847
	4	720	720
	5	988	988
Df	1	1185	1185
	2	803	803
Dxp	1	668	668
	2	248	248
Ec	1	720	720
	2	1419	1419
	3	1246	1246
	4	580	580
Ecf	1	1208	1208
	2	1084	1084
	3	1419	1419
	4	1858	1858
Ef	1	929	929
	2	516	516

Exp	1	1208	1208
	2	364	364
F	1	360	360
	2	198	198
	3	235	235
Fc	1	1647	1647
	2	1290	1290
	3	1180	1180
Ff	1	558	558
	2	235	235
G	1	384	384
	2	164	164
Gf	1	381	381
	2	135	135
xA	1	1774	1774
	2	1494	1494
xB	1	1559	1559
xC	1	623	623
	2	353	353
xD	1	668	668
	2	248	248
xE	1	1208	1208
	2	364	364
xF	1	777	777
Cc1	1	428	428
E1	1	329	329
	2	600	600
Gf1	1	32	32
Cc2	2	593	593
	3	799	799
	4	903	903
	5	617	617
E2	3	381	381
	4	135	135
TC5	2	1346	1346
	3	1494	1494
	4	0	0
TC9	1	554	554
	2	321	321
	3	299	299
TC35	1	428	428
TC36	1	201	201
TC37	1	35	35
TC38	1	35	35
TC39	2	1346	1346
	3	1494	1494
TC40	2	1381	1381
	3	1494	1494
TC41	1	166	166
TC42	1	0	0
TC43	1	0	0
47	1	976	976
48	1	1585	1585
49	1	554	554
	2	620	620

50	1	1917	1917
51	1	793	793

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	15.98	35.00	✓	Offside	88.54
	2	1	Gf/2	G/2	11.38	48.00	✓	Offside	85.22
Gf	1	1	E2/3	Gf/1	3.04	48.00	✓	Straight	Straight Movement
	2	1	E2/4	Gf/2	3.00	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	Ec/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	15.98	35.00	✓	Offside	17.91
	2	2	Gf1/1	G/2	11.38	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
1		TrafficStream	Gf/1	100	0.22	
		TrafficStream	Gf/2	100	0.22	
		TrafficStream	TC39/2	100	0.22	
		TrafficStream	TC39/3	100	0.22	

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

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	Normal Calculated Flow (PCU/hr)
1	23	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	541
	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	0
	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	0
	32	I1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	182
	36		C28	E28	Df/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	0
	41		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	520
	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	40
	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	0
	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	0
	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	0
	49	I1	C28	D28	Df/1, D/1, Ecf/2, Ec/1, xF/1	Normal	237
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	57
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	188
	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	31
	91	I2	C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	45
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	40
	96		A28	C28	50/1, Bf/1, B/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Disabled	0
	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	0
	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	0
	99	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	29
	100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Fixed	135
	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	0
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	270
	103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
	104	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	484
	105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	0
106		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	99	

107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	27
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	332
109	I3	C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	230
110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	22
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	0
112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	35
113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	66
114		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	9
116		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	6
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	0
118		F28	C28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
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	2
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	2
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	0
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	0
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	0
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	0
125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
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	0
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	0
128		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
129		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	6
130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	99
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	123
132		H28	C28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
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	0
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	0
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	0
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	0
137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	0
138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	0
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	6
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	0
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	6
142		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
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	0
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	0
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	0
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	2
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	31
149	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	3
150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	381
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	0
152		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
153		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	14
154		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	18
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	4
156		C28	G28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	60
157		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
158		B28	D28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	289

159		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	145
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	187
161		B28	F28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	39
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	0
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	39
164		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
165		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	75
167		B28	E28	48/1, Cf/1, C/1, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	470
168		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal	365
169		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	65
170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	65
171		G28	H28	49/1, TC9/1, TC43/1	Normal	0
175		G28	C28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	0
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	70
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	131
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	34
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	0
185		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	27
186		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	49
187		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	326
195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	198
196		D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	109
197		D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	53
198		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	3
199		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	98
200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	98
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	110
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	45
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	27
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	0
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	6
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	617
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	0
212		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
213		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	102
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	0
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	64
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	289
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	131
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	0
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	0
222		A28	D28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	2
223		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	68
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	0
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	0
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	0
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	0
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	0
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	0

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	0
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	10
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	0
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	0
234	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	170
235		E28	G28	Ef/1, E1/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	0
236		E28	H28	Ef/1, E1/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
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	0
238		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Fixed	36
239		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
240		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	59
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	0
242		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
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	0
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	0
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	0
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	40
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	0
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	0
249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
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	0
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	0
252		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	6
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	2
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	0
255	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0
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	0
257		C28	H28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
258		C28	A28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	7
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	0
260		C28	A28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0
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	0
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	0
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	0
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	0
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	0
266		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	0
267		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Fixed	0

Signal Timings

Network Default: 120s cycle time; 120 steps

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 saturation 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 (%)	Journey Time (s)	
07:30-08:30	A	1	(untitled)	E	420	2050	36	649	65	39	18.63	7.57	58.38	24.22	
		2	(untitled)	E	206	2050	36	649	32	184	12.10	2.77	20.74	17.86	
		3	(untitled)	E	360	2050	36	511	70	28	23.22	7.81	57.14	29.11	
		4	(untitled)	E	328	2050	36	649	51	78	15.61	5.28	37.80	21.64	
	Ac	1	(untitled)	D	990	2263	64	1245	80	13	22.78	16.69	100.19	29.97	
		2	(untitled)	D	198	2263	64	1209	16	450	1.48	3.46	21.56	10.97	
		3	(untitled)	D	305	2263	64	299	102	-12	258.78	23.81	155.69	265.37	
	Acf	1	(untitled)			1189	2263	120	2178	55	65	1.20	2.89	23.86	6.41
		2	(untitled)			297	2263	120	305	97	-8	190.76	18.22	148.79	198.01
	Af	1	(untitled)			625	2050	120	2050	30	195	0.38	0.07	0.72	6.81
		2	(untitled)			360	2050	120	2050	18	413	0.19	0.02	0.20	6.57
		3	(untitled)			328	2050	120	2050	16	463	0.17	0.02	0.17	6.53
	B	1	(untitled)	B	309	2050	38	683	45	99	17.64	3.73	22.68	24.74	
		2	(untitled)	B	425	2150	38	666	64	41	21.31	5.74	33.94	28.60	
		3	(untitled)	B	508	2100	38	688	74	22	32.62	9.47	54.64	40.10	
		4	(untitled)	B	589	2050	38	589	100	-10	139.44	29.04	163.05	151.73	
	Bc	1	(untitled)	A	438	2050	58	1025	43	110	5.21	4.04	17.47	17.16	
		2	(untitled)	A	551	2050	58	555	99	-9	171.95	31.49	137.74	183.78	
		3	(untitled)	A	405	2050	58	618	66	37	16.07	8.39	37.07	27.78	
	Bcf	1	(untitled)			1417	2263	120	2263	63	44	1.33	0.52	4.80	5.51
		2	(untitled)			437	2263	120	2263	19	366	0.19	0.02	0.21	5.45
		3	(untitled)			550	2263	120	551	100	-10	119.20	21.26	196.08	124.88
		4	(untitled)			402	2263	120	2263	18	406	0.17	0.02	0.18	6.27
	Bf	1	(untitled)			734	1800	120	1800	41	121	0.69	0.14	0.35	28.02
		2	(untitled)			1096	1800	120	1150	95	-6	64.95	45.96	115.68	92.36
	C	1	(untitled)	G	474	2100	30	560	85	6	45.45	9.76	46.33	59.98	
		2	(untitled)	G	564	2200	30	587	96	-6	136.49	27.38	128.65	151.18	

	3	(untitled)	G	317	2050	30	547	58	55	23.27	5.69	26.29	38.19
Cf	1	(untitled)		474	1965	120	1965	24	273	0.29	0.04	0.15	17.64
	2	(untitled)		882	1965	120	882	100	-10	109.78	39.00	153.74	127.28
D	1	(untitled)	B	354	2050	40	718	49	82	25.50	4.64	48.49	29.62
	2	(untitled)	B	648	1850	40	648	100	-10	101.35	21.52	224.95	105.48
	3	(untitled)	B	748	2250	40	748	100	-10	86.00	20.15	219.16	89.96
Dc	1	(untitled)	A	941	2100	60	1085	87	4	20.84	9.66	109.62	24.64
	2	(untitled)	A	766	2100	60	1085	71	28	14.25	7.74	91.35	17.90
	3	(untitled)	A	668	2100	60	789	85	6	20.98	8.18	100.54	24.49
	4	(untitled)	A	906	2100	60	906	100	-10	73.60	21.52	276.03	76.96
Dcf	1	(untitled)		631	2050	120	2050	31	192	0.39	0.07	0.60	5.34
	2	(untitled)		1183	2100	120	1417	83	8	12.71	10.83	94.48	17.65
	3	(untitled)		755	2100	120	1607	47	92	2.32	2.72	22.76	7.87
	4	(untitled)		663	2100	120	2021	33	174	0.54	1.80	15.53	7.67
	5	(untitled)		906	2100	120	906	100	-10	77.59	25.86	222.28	82.60
Df	1	(untitled)		1185	1900	120	1002	118	-24	297.09	110.70	318.27	321.09
	2	(untitled)		803	2250	120	748	107	-16	161.76	44.90	129.10	185.76
Dxp	1	(untitled)	D	630	2050	101	1743	36	149	0.98	1.17	14.38	4.48
	2	(untitled)	D	242	2050	101	1743	14	549	0.39	0.16	1.87	4.04
Ec	1	(untitled)	F	629	2150	70	1290	49	85	6.70	3.82	43.88	10.46
	2	(untitled)	F	1251	2263	70	1358	92	-2	19.92	11.80	140.05	23.56
	3	(untitled)	F	1144	2263	70	1358	84	7	10.37	6.46	79.39	13.88
	4	(untitled)	F	538	2250	70	1350	40	126	13.37	7.05	88.25	16.81
Ecf	1	(untitled)		1093	2100	120	2095	52	73	0.95	4.93	61.68	4.39
	2	(untitled)		966	2100	120	2100	46	96	0.73	0.20	2.43	4.21
	3	(untitled)		1251	2263	120	1654	76	19	7.43	7.60	93.09	10.95
	4	(untitled)		1711	2300	120	1891	90	-1	10.56	10.19	116.33	14.41
Ef	1	(untitled)		929	1900	120	832	112	-19	215.53	65.94	297.25	230.84
	2	(untitled)		516	1900	120	1900	27	231	0.35	0.05	0.23	15.66
Exp	1	(untitled)	L	1092	2050	100	1725	63	42	2.89	5.23	58.04	6.78
	2	(untitled)	L	317	2050	100	1725	18	391	0.24	2.34	25.05	4.26
F	1	(untitled)	B	360	2100	20	385	94	-4	70.70	9.99	67.50	77.09

	2	(untitled)	B	197	2100	20	385	51	76	26.94	3.06	20.51	33.37
	3	(untitled)	B	232	2100	20	231	100	-10	305.35	21.22	139.83	311.89
Fc	1	(untitled)	A	1455	2263	80	1546	94	-4	19.18	12.62	39.59	38.27
	2	(untitled)	A	1183	2263	80	1444	82	10	9.97	10.30	32.65	28.69
	3	(untitled)	A	1075	2263	80	1131	95	-5	37.69	28.16	89.81	57.11
Ff	1	(untitled)		557	1900	120	1900	29	207	0.39	0.06	0.13	33.48
	2	(untitled)		236	1900	120	232	102	-12	272.69	21.04	43.92	305.73
G	1	(untitled)	F	384	2050	28	483	80	13	51.14	9.93	36.76	67.12
	2	(untitled)	F	162	2050	28	500	32	178	40.76	2.78	10.52	52.15
Gf	1	(untitled)		381	2050	120	2049	19	384	0.22	4.66	66.22	3.25
	2	(untitled)		135	2050	120	2050	7	1267	0.06	0.00	0.03	3.07
xA	1	(untitled)		1609	2263	120	2088	77	17	3.47	10.60	26.55	20.70
	2	(untitled)		1364	2263	120	2255	60	49	1.24	2.84	7.10	18.48
xB	1	(untitled)		1417	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	1	(untitled)		619	1900	120	1144	54	66	8.82	11.92	59.27	17.49
	2	(untitled)		350	1900	120	1317	27	239	3.04	4.72	23.38	11.74
xD	1	(untitled)		630	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
	2	(untitled)		246	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
xE	1	(untitled)		1092	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		325	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	1	(untitled)		675	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
Cc1	1	(untitled)	E	423	2050	64	1128	37	140	7.00	2.64	15.83	13.66
E1	1	(untitled)	G	295	2050	28	513	58	57	36.27	5.29	38.00	42.27
	2	(untitled)	G	537	2200	28	550	98	-8	124.25	22.32	160.42	130.25
Gf1	1	(untitled)		30	692	120	692	4	1987	0.41	0.09	1.05	4.11
Cc2	2	(untitled)	D	573	2150	66	1205	48	89	9.35	4.93	30.94	16.42
	3	(untitled)	D	754	2050	66	1162	65	39	13.73	13.56	87.35	21.08
	4	(untitled)	D	870	2150	66	873	100	-10	87.00	27.01	174.58	93.94
	5	(untitled)	D	589	2050	66	589	100	-10	110.68	24.72	160.34	118.65
E2	3	(untitled)	H	381	2150	28	521	73	23	29.93	6.21	67.05	33.92
	4	(untitled)	H	135	2050	28	513	26	242	19.34	2.37	25.04	23.41
TC5	2	(untitled)	A	1203	2263	101	1942	62	45	2.36	3.40	84.93	5.12

		3	(untitled)	A	1364	2263	101	1942	70	28	2.37	2.51	62.76	5.14
		4	(untitled)	C	0	1800	11	180	0	Unrestricted	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	554	1925	86	1428	39	132	6.42	6.22	39.02	17.43
		2	(untitled)	B	321	1966	86	1458	22	309	5.13	3.16	19.70	16.19
		3	(untitled)	B	299	1947	86	1444	21	335	5.06	2.96	18.39	16.18
	TC35	1	(untitled)	A	402	1900	101	1631	25	265	1.67	1.64	38.94	4.57
	TC36	1	(untitled)		203	1800	120	168	121	-26	385.53	25.24	575.37	388.55
	TC37	1	(untitled)	J	29	1850	105	1634	2	4988	0.04	0.00	0.03	3.23
	TC38	1	(untitled)		29	228	120	228	13	610	8.88	2.42	65.40	10.42
	TC39	2	(untitled)		1203	2263	120	2263	53	69	0.90	0.30	4.92	3.44
		3	(untitled)		1364	2263	120	2263	60	49	1.20	0.46	7.87	3.60
	TC40	2	(untitled)		1232	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		1364	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	139	1850	8	139	100	-10	315.41	12.68	133.42	319.34
	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)		964	1300	120	1300	74	21	3.94	1.05	4.54	19.97
	48	1	(untitled)		1585	1965	120	1355	117	-23	274.74	139.84	1458.73	281.35
	49	1	(untitled)		554	1900	120	1900	29	209	0.39	0.06	1.31	3.54
		2	(untitled)		620	1900	120	1900	33	176	0.46	0.08	1.73	3.61
	50	1	(untitled)		1918	1900	120	1830	105	-14	99.60	82.03	979.71	105.37
	51	1	(untitled)		793	1900	120	1900	42	116	0.68	0.15	2.29	5.17

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	Street 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
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	✓	155.36	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	151.80	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Gf	1	✓	40.48	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	40.06	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

Collections

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	217.0	214.8	305.6	313.5	386.7	612.3	0.0
	B28	718.1	0.0	382.3	610.8	471.0	683.7	688.5	0.0
	C28	421.2	379.3	0.0	387.3	380.9	525.9	492.9	0.0
	D28	118.6	315.2	1367.8	0.0	1329.1	144.5	153.1	0.0
	E28	454.2	151.4	1258.4	285.3	0.0	343.5	350.8	0.0
	F28	756.4	803.9	1009.9	1001.5	1033.6	0.0	406.4	0.0

	G28	63.0	104.3	358.6	139.0	374.0	226.1	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Normal journey dist (m)	Bus journey dist (m)	Tram journey dist (m)	Pedestrian journey dist (m)	Calculated Total Flow (PCU/hr)	Avg journey time (s)	Avg journey dist (m)
23	C28	A28	541	419.86	834.67	0.00	0.00	0.00	541	419.86	834.67
24	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
25	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
32	C28	E28	182	380.89	526.66	0.00	0.00	0.00	182	380.89	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	520	458.13	693.05	0.00	0.00	0.00	520	458.13	693.05
42	E28	C28	40	1247.93	1065.88	0.00	0.00	0.00	40	1247.93	1065.88
43	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
44	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
45	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
49	C28	D28	237	387.26	514.00	0.00	0.00	0.00	237	387.26	514.00
50	E28	D28	57	285.30	370.08	0.00	0.00	0.00	57	285.30	370.08
68	E28	G28	188	352.22	737.43	0.00	0.00	0.00	188	352.22	737.43
86	F28	D28	31	817.79	871.13	0.00	0.00	0.00	31	817.79	871.13
91	C28	F28	45	525.90	787.40	0.00	0.00	0.00	45	525.90	787.40
92	E28	F28	40	343.55	644.57	0.00	0.00	0.00	40	343.55	644.57
96	A28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
97	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
98	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
99	C28	B28	29	377.24	753.91	0.00	0.00	0.00	29	377.24	753.91
100	E28	B28	135	128.98	623.35	0.00	0.00	0.00	135	128.98	623.35
101	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
102	A28	C28	270	201.94	696.48	0.00	0.00	0.00	270	201.94	696.48
103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
104	C28	G28	484	534.58	880.25	0.00	0.00	0.00	484	534.58	880.25
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
106	G28	C28	99	391.40	769.84	0.00	0.00	0.00	99	391.40	769.84
107	A28	B28	27	214.13	716.08	0.00	0.00	0.00	27	214.13	716.08
108	B28	G28	332	686.39	1057.75	0.00	0.00	0.00	332	686.39	1057.75
109	C28	G28	230	367.90	873.55	0.00	0.00	0.00	230	367.90	873.55
110	E28	G28	22	339.10	731.08	0.00	0.00	0.00	22	339.10	731.08
111	B28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
112	F28	G28	35	406.43	149.60	0.00	0.00	0.00	35	406.43	149.60
113	F28	A28	66	756.41	347.74	0.00	0.00	0.00	66	756.41	347.74
114	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
115	B28	C28	9	392.28	558.16	0.00	0.00	0.00	9	392.28	558.16
116	F28	C28	6	1068.09	731.34	0.00	0.00	0.00	6	1068.09	731.34
117	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
118	F28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
119	F28	E28	2	931.23	882.77	0.00	0.00	0.00	2	931.23	882.77
120	F28	E28	2	817.82	886.05	0.00	0.00	0.00	2	817.82	886.05
121	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
122	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
123	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
124	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
126	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
127	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

128	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
129	F28	C28	6	785.96	732.12	0.00	0.00	0.00	6	785.96	732.12
130	G28	C28	99	485.13	770.24	0.00	0.00	0.00	99	485.13	770.24
131	G28	E28	123	515.85	921.19	0.00	0.00	0.00	123	515.85	921.19
132	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
133	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
134	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
135	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
136	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
137	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
138	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
139	D28	E28	6	1553.69	1229.52	0.00	0.00	0.00	6	1553.69	1229.52
140	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
141	D28	E28	6	1539.54	1232.51	0.00	0.00	0.00	6	1539.54	1232.51
142	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
143	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
144	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
145	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
146	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
147	F28	E28	2	1200.02	882.69	0.00	0.00	0.00	2	1200.02	882.69
148	F28	D28	31	1185.16	870.77	0.00	0.00	0.00	31	1185.16	870.77
149	C28	B28	3	399.19	757.09	0.00	0.00	0.00	3	399.19	757.09
150	E28	B28	381	159.28	625.89	0.00	0.00	0.00	381	159.28	625.89
151	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
152	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
153	F28	B28	14	803.88	751.33	0.00	0.00	0.00	14	803.88	751.33
154	E28	A28	18	341.56	694.21	0.00	0.00	0.00	18	341.56	694.21
155	E28	C28	4	383.64	1072.77	0.00	0.00	0.00	4	383.64	1072.77
156	C28	G28	60	521.01	875.68	0.00	0.00	0.00	60	521.01	875.68
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	B28	D28	289	610.80	699.67	0.00	0.00	0.00	289	610.80	699.67
159	B28	E28	145	610.83	714.59	0.00	0.00	0.00	145	610.83	714.59
160	B28	G28	187	692.35	1062.09	0.00	0.00	0.00	187	692.35	1062.09
161	B28	F28	39	683.67	969.24	0.00	0.00	0.00	39	683.67	969.24
162	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
163	B28	A28	39	718.13	1018.87	0.00	0.00	0.00	39	718.13	1018.87
164	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
165	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
166	B28	C28	75	381.11	555.13	0.00	0.00	0.00	75	381.11	555.13
167	B28	E28	470	427.85	709.11	0.00	0.00	0.00	470	427.85	709.11
168	G28	A28	365	62.97	385.83	0.00	0.00	0.00	365	62.97	385.83
169	G28	B28	65	106.84	789.43	0.00	0.00	0.00	65	106.84	789.43
170	G28	B28	65	101.78	789.81	0.00	0.00	0.00	65	101.78	789.81
171	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
175	G28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
176	G28	E28	70	240.22	921.85	0.00	0.00	0.00	70	240.22	921.85
177	G28	D28	131	139.01	910.21	0.00	0.00	0.00	131	139.01	910.21
178	G28	E28	34	136.29	925.13	0.00	0.00	0.00	34	136.29	925.13
181	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
185	A28	B28	27	219.79	715.70	0.00	0.00	0.00	27	219.79	715.70
186	A28	C28	49	285.96	699.40	0.00	0.00	0.00	49	285.96	699.40
187	A28	E28	326	318.55	850.36	0.00	0.00	0.00	326	318.55	850.36
195	D28	G28	198	153.52	744.99	0.00	0.00	0.00	198	153.52	744.99
196	D28	F28	109	144.46	652.14	0.00	0.00	0.00	109	144.46	652.14
197	D28	G28	53	151.58	740.41	0.00	0.00	0.00	53	151.58	740.41
198	D28	A28	3	118.59	704.14	0.00	0.00	0.00	3	118.59	704.14

199	D28	B28	98	162.56	1101.91	0.00	0.00	0.00	98	162.56	1101.91
200	D28	B28	98	158.64	1102.29	0.00	0.00	0.00	98	158.64	1102.29
201	D28	C28	110	1424.57	1078.16	0.00	0.00	0.00	110	1424.57	1078.16
204	D28	C28	45	1228.90	1077.09	0.00	0.00	0.00	45	1228.90	1077.09
205	D28	E28	27	1270.86	1228.05	0.00	0.00	0.00	27	1270.86	1228.05
206	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
207	D28	E28	6	1171.33	1231.32	0.00	0.00	0.00	6	1171.33	1231.32
210	A28	G28	617	717.47	1200.07	0.00	0.00	0.00	617	717.47	1200.07
211	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
212	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
213	A28	E28	102	303.88	856.77	0.00	0.00	0.00	102	303.88	856.77
214	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
215	G28	F28	64	226.11	1179.78	0.00	0.00	0.00	64	226.11	1179.78
218	A28	G28	289	395.42	1204.28	0.00	0.00	0.00	289	395.42	1204.28
219	A28	F28	131	386.75	1111.43	0.00	0.00	0.00	131	386.75	1111.43
220	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
221	F28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
222	A28	D28	2	305.60	838.43	0.00	0.00	0.00	2	305.60	838.43
223	A28	E28	68	303.86	853.35	0.00	0.00	0.00	68	303.86	853.35
224	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
225	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
226	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
227	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
228	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
229	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
230	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
231	A28	G28	10	393.89	1199.70	0.00	0.00	0.00	10	393.89	1199.70
232	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
233	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
234	C28	G28	170	533.41	875.67	0.00	0.00	0.00	170	533.41	875.67
235	E28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
236	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
237	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
238	D28	B28	36	1152.31	1099.55	0.00	0.00	0.00	36	1152.31	1099.55
239	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
240	G28	C28	59	91.17	770.21	0.00	0.00	0.00	59	91.17	770.21
241	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
242	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
243	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
244	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
245	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
246	E28	C28	40	1356.26	1066.29	0.00	0.00	0.00	40	1356.26	1066.29
247	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
248	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
249	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
250	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
251	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
252	F28	C28	6	1175.75	731.74	0.00	0.00	0.00	6	1175.75	731.74
253	F28	E28	2	1185.18	885.69	0.00	0.00	0.00	2	1185.18	885.69
254	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
255	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
256	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
257	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
258	C28	A28	7	523.71	838.81	0.00	0.00	0.00	7	523.71	838.81
259	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
260	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

261	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
262	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
263	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
264	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
265	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
266	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
267	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

Final Prediction Table

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES		WEIGHTS		PENALTIES	P.I.
Arm	Traffic Stream	Name	Traffic node	Cont roller stream	Phase	Calcu lated flow entering (PCU/hr)	Calcu lated sat flow (PCU/hr)	Act ual gre en (s (per cycle))	Waste d time total (s (per cycle))	Degree of saturation (%)	Practi cal reserve capacity (%)	Journe yTime (s)	Me an Delay per Veh (s)	Me an stops per Veh (%)	Mea n max que ue (PCU)	De la y weig hting multiplier (%)	Stop weig hting multiplier (%)	Cost of traffic penalties (£ per hr)	P.I.	
A	1	(untitled)	6	771-2	E	420	2050	36	0.00	65	39	24.22	18.63	85.29	7.57	100	100	0.00	42.31	
	2	(untitled)	6	771-2	E	206	2050	36	0.00	32	184	17.86	12.10	70.28	2.77	100	100	0.00	14.44	
	3	(untitled)	6	771-2	E	360	2050	36	8.11	70	28	29.11	23.22	90.52	7.81	100	100	0.00	43.41	
	4	(untitled)	6	771-2	E	328	2050	36	0.00	51	78	21.64	15.61	81.35	5.28	100	100	0.00	28.76	
Ac	1	(untitled)	6	771-2	D	990 <	2263	64	0.00	80	13	29.97	22.78	86.25	16.69+	100	100	0.00	116.39	
	2	(untitled)	6	771-2	D	198	2263	64	44.88	16	450	10.97	1.48	35.41	3.46	100	100	0.00	2.34	
	3	(untitled)	6	771-2	D	305 <	2263	64	50.13	102	-12	265.37	25.87	24.78	23.81+	100	100	0.00	335.44	
Ac f	1	(untitled)	6			1189	2263	120	20.53	55	65	6.41	1.20	5.17	2.89	100	100	0.00	7.57	
	2	(untitled)	6			297 <	2263	120	103.81	97	-8	198.01	19.07	19.36	18.22+	100	100	0.00	233.83	
Af	1	(untitled)	6			625	2050	120	22.00	30	195	6.81	0.38	0.00	0.07	100	100	0.00	0.95	
	2	(untitled)	6			360	2050	120	22.00	18	413	6.57	0.19	0.00	0.02	100	100	0.00	0.27	
	3	(untitled)	6			328	2050	120	22.00	16	463	6.53	0.17	0.00	0.02	100	100	0.00	0.22	
B	1	(untitled)	1	769-1	B	309	2050	38	0.00	45	99	24.74	17.64	72.43	3.73	100	100	0.00	28.70	
	2	(untitled)	1	769-1	B	425	2150	38	2.82	64	41	28.60	21.31	82.19	5.74	100	100	0.00	46.89	
	3	(untitled)	1	769-1	B	508	2100	38	10.67	74	22	40.10	32.62	11.58	9.47	100	100	0.00	83.49	
	4	(untitled)	1	769-1	B	589 <	2050	38	5.54	100	-10	151.73	13.94	23.01	29.04+	100	100	0.00	340.76	
Bc	1	(untitled)	1	769-1	A	438	2050	58	8.00	43	110	17.16	5.21	18.20	4.04	100	100	0.00	10.79	
	2	(untitled)	1	769-1	A	551 <	2050	58	27.51	99	-9	183.78	17.19	24.47	31.49+	100	100	0.00	403.79	

	3	(untitled)	1	769-1	A	405	2050	58	30.81	66	37	27.78	16.07	10.010	8.39	100	100	0.00	34.23
Bc f	1	(untitled)	1			1417	2263	120	16.00	63	44	5.51	1.33	0.00	0.52	100	100	0.00	7.43
	2	(untitled)	1			437	2263	120	49.00	19	366	5.45	0.19	0.11	0.02	100	100	0.00	0.34
	3	(untitled)	1			550 <	2263	120	90.80	100	-10	124.88	11.920	14.440	21.26+	100	100	0.00	279.47
	4	(untitled)	1			402	2263	120	46.00	18	406	6.27	0.17	0.32	0.02	100	100	0.00	0.30
Bf	1	(untitled)	1			734	1800	120	0.00	41	121	28.02	0.69	0.00	0.14	100	100	0.00	1.99
	2	(untitled)	1			1096 <	1800	120	43.34	95	-6	92.36	64.95	21.480	45.96+	100	100	0.00	310.37
C	1	(untitled)	2	769-2	G	474	2100	30	0.00	85	6	59.98	45.45	12.180	9.76	100	100	0.00	92.17
	2	(untitled)	2	769-2	G	564 <	2200	30	0.00	96	-6	151.18	13.649	25.008	27.38+	100	100	0.00	321.58
	3	(untitled)	2	769-2	G	317	2050	30	12.00	58	55	38.19	23.27	10.738	5.69	100	100	0.00	33.40
Cf	1	(untitled)	2			474	1965	120	26.00	24	273	17.64	0.29	0.00	0.04	100	100	0.00	0.54
	2	(untitled)	2			882 <	1965	120	66.16	100	-10	127.28	10.978	21.129	39.00+	100	100	0.00	405.14
D	1	(untitled)	3	770-1	B	354	2050	40	4.00	49	82	29.62	25.50	78.54	4.64	100	100	0.00	44.55
	2	(untitled)	3	770-1	B	648 <	1850	40	0.00	100	-10	105.48	10.135	13.063	21.52+	100	100	0.00	286.01
	3	(untitled)	3	770-1	B	748 <	2250	40	2.09	100	-10	89.96	86.00	98.55	20.15+	100	100	0.00	277.53
Dc	1	(untitled)	3	770-1	A	941 <	2100	60	0.00	87	4	24.64	20.84	62.31	9.66+	100	100	0.00	96.17
	2	(untitled)	3	770-1	A	766	2100	60	0.00	71	28	17.90	14.25	60.42	7.74	100	100	0.00	57.89
	3	(untitled)	3	770-1	A	668 <	2100	60	16.92	85	6	24.49	20.98	83.64	8.18+	100	100	0.00	72.96
	4	(untitled)	3	770-1	A	906 <	2100	60	10.23	100	-10	76.96	73.60	99.38	21.52+	100	100	0.00	291.90
Dc f	1	(untitled)	3			631	2050	120	24.00	31	192	5.34	0.39	0.05	0.07	100	100	0.00	0.98
	2	(untitled)	3			1183	2100	120	49.02	83	8	17.65	12.71	53.14	10.83	100	100	0.00	79.49
	3	(untitled)	3			755	2100	120	44.17	47	92	7.87	2.32	15.44	2.72	100	100	0.00	10.38
	4	(untitled)	3			663	2100	120	37.53	33	174	7.67	0.54	5.14	1.80	100	100	0.00	2.04
	5	(untitled)	3			906 <	2100	120	68.23	100	-10	82.60	77.59	12.143	25.86+	100	100	0.00	312.56
Df	1	(untitled)	3-2			1185 <	1900	120	56.74	118	-24	321.09	29.709	31.388	110.70+	100	100	0.00	142.807
	2	(untitled)	3-2			803 <	2250	120	80.09	107	-16	185.76	16.176	24.962	44.90+	100	100	0.00	535.78
Dx P	1	(untitled)	3-2	770-2	D	630	2050	101	11.00	36	149	4.48	0.98	4.94	1.17	100	100	0.00	3.44
	2	(untitled)	3-2	770-2	D	242	2050	101	51.00	14	549	4.04	0.39	1.87	0.16	100	100	0.00	0.52

Ec	1	(untiled)	4	770-3	F	629	2150	70	18.00	49	85	10.46	6.70	38.38	3.82	100	100	0.00	24.31
	2	(untiled)	4	770-3	F	1251 <	2263	70	0.00	92	-2	23.56	19.92	55.27	11.80+	100	100	0.00	120.48
	3	(untiled)	4	770-3	F	1144	2263	70	0.00	84	7	13.88	10.37	33.56	6.46	100	100	0.00	59.09
	4	(untiled)	4	770-3	F	538	2250	70	26.00	40	126	16.81	13.37	78.58	7.05	100	100	0.00	41.91
Ecf	1	(untiled)	4			1093	2100	120	22.26	52	73	4.39	0.95	2.21	4.93	100	100	0.00	4.86
	2	(untiled)	4			966	2100	120	20.00	46	96	4.21	0.73	1.09	0.20	100	100	0.00	3.11
	3	(untiled)	4			1251	2263	120	40.29	76	19	10.95	7.43	35.62	7.60	100	100	0.00	50.98
	4	(untiled)	4			1711 <	2300	120	29.34	90	-1	14.41	10.56	34.89	10.19+	100	100	0.00	90.05
Eef	1	(untiled)	4			929 <	1900	120	67.44	112	-19	230.84	21.53	28.035	65.94+	100	100	0.00	819.05
	2	(untiled)	4			516	1900	120	0.00	27	231	15.66	0.35	0.00	0.05	100	100	0.00	0.72
Exp	1	(untiled)	4-2	770-4	L	1092	2050	100	16.00	63	42	6.78	2.89	12.28	5.23	100	100	0.00	16.75
	2	(untiled)	4-2	770-4	L	317	2050	100	39.00	18	391	4.26	0.24	2.59	2.34	100	100	0.00	0.56
F	1	(untiled)	5	771-1	B	360	2100	20	0.00	94	-4	77.09	70.70	15.305	9.99	100	100	0.00	118.09
	2	(untiled)	5	771-1	B	197	2100	20	0.00	51	76	33.37	26.94	92.88	3.06	100	100	0.00	26.81
	3	(untiled)	5	771-1	B	232 <	2100	20	8.78	100	-10	311.89	30.535	26.600	21.22+	100	100	0.00	299.26
Fcf	1	(untiled)	5	771-1	A	1455	2263	80	4.00	94	-4	38.27	19.18	49.80	12.62	100	100	0.00	122.16
	2	(untiled)	5	771-1	A	1183	2263	80	13.46	82	10	28.69	9.97	52.29	10.30	100	100	0.00	57.04
	3	(untiled)	5	771-1	A	1075	2263	80	22.05	95	-5	57.11	37.69	15.985	28.16	100	100	0.00	185.64
Fff	1	(untiled)	5			557	1900	120	0.00	29	207	33.48	0.39	0.00	0.06	100	100	0.00	0.86
	2	(untiled)	5			236	1900	120	105.34	102	-12	305.73	27.269	24.648	21.04	100	100	0.00	261.01
G	1	(untiled)	2	769-2	F	384	2050	28	5.76	80	13	67.12	51.14	12.448	9.93	100	100	0.00	85.57
	2	(untiled)	2	769-2	F	162	2050	28	18.73	32	178	52.15	40.76	11.025	2.78	100	100	0.00	31.79
Gf	1	(untiled)	4			381	2050	120	90.08	19	384	3.25	0.22	0.69	4.66	100	100	0.00	0.41
	2	(untiled)	4			135	2050	120	90.00	7	1267	3.07	0.06	0.00	0.00	100	100	0.00	0.03
xA	1	(untiled)	10			1609	2263	120	23.27	77	17	20.70	3.47	12.00	10.60	100	100	0.00	28.20
	2	(untiled)	10			1364	2263	120	24.40	60	49	18.48	1.24	1.62	2.84	100	100	0.00	7.35
xB	1	(untiled)				1417	Unrestricted	120	1.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	1	(untiled)				619	1900	120	59.72	54	66	17.49	8.82	62.07	11.92	100	100	0.00	33.77
	2	(untiled)				350	1900	120	65.84	27	239	11.74	3.04	46.45	4.72	100	100	0.00	9.41

xD	1	(untitled)				630	Unrestricted	120	13.00	0	Unrestricted	9.13	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				246	Unrestricted	120	55.00	0	Unrestricted	9.21	0.00	0.00	0.00	100	100	0.00	0.00
xE	1	(untitled)				1092	Unrestricted	120	10.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				325	Unrestricted	120	43.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	1	(untitled)				675	Unrestricted	120	6.00	0	Unrestricted	12.19	0.00	0.00	0.00	100	100	0.00	0.00
Cc 1	1	(untitled)	2	769-2	E	423	2050	64	10.00	37	140	13.66	7.00	28.76	2.64	100	100	0.00	16.33
E1	1	(untitled)	4	770-3	G	295	2050	28	12.00	58	57	42.27	36.27	107.46	5.29	100	100	0.00	52.33
	2	(untitled)	4	770-3	G	537 <	2200	28	0.00	98	-8	130.25	124.25	191.18	22.32+	100	100	0.00	296.40
Gf 1	1	(untitled)	4			30	692	120	88.00	4	1987	4.11	0.41	9.66	0.09	100	100	0.00	0.14
Cc 2	2	(untitled)	2	769-2	D	573	2150	66	0.74	48	89	16.42	9.35	53.15	4.93	100	100	0.00	30.87
	3	(untitled)	2	769-2	D	754	2050	66	17.00	65	39	21.08	13.73	78.92	13.56	100	100	0.00	57.63
	4	(untitled)	2	769-2	D	870 <	2150	66	19.26	100	-10	93.94	87.00	167.18	27.01+	100	100	0.00	344.72
	5	(untitled)	2	769-2	D	589 <	2050	66	33.54	100	-10	118.65	110.68	217.69	24.72+	100	100	0.00	285.56
E2	3	(untitled)	4	770-3	H	381	2150	28	0.93	73	23	33.92	29.93	96.83	6.21	100	100	0.00	56.82
	4	(untitled)	4	770-3	H	135	2050	28	0.00	26	242	23.41	19.34	77.08	2.37	100	100	0.00	13.64
TC5	2	(untitled)	TC771-6	TC777-1	A	1203	2263	101	11.00	62	45	5.12	2.36	8.48	3.40	100	100	0.00	12.47
	3	(untitled)	TC771-6	TC777-1	A	1364	2263	101	17.00	70	28	5.14	2.37	4.27	2.51	100	100	0.00	13.50
	4	(untitled)	TC771-6	TC777-1	C	0	1800	11	12.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC9	1	(untitled)	TC771-6	TC777-1	B	554	1925	86	0.00	39	132	17.43	6.42	33.12	6.22	100	100	0.00	16.34
	2	(untitled)	TC771-6	TC777-1	B	321	1966	86	0.00	22	309	16.19	5.13	29.29	3.16	100	100	0.00	7.68
	3	(untitled)	TC771-6	TC777-1	B	299	1947	86	0.00	21	335	16.18	5.06	28.16	2.96	100	100	0.00	7.03
TC35	1	(untitled)	TC771-6	TC777-1	A	402	1900	101	12.00	25	265	4.57	1.67	12.22	1.64	100	100	0.00	3.26
TC36	1	(untitled)	TC771-6			203 <	1800	120	108.82	121	-26	388.55	385.53	283.95	25.24+	100	100	0.00	314.67
TC37	1	(untitled)	TC771-6	TC777-2	J	29	1850	105	88.00	2	4988	3.23	0.04	0.21	0.00	100	100	0.00	0.01
TC38	1	(untitled)	TC771-6			29	228	120	71.00	13	610	10.42	8.88	58.40	2.42	100	100	0.00	1.60
TC39	2	(untitled)	TC771-6			1203	2263	120	28.00	53	69	3.44	0.90	0.00	0.30	100	100	0.00	4.28

	3	(untitled)	TC 771-6			1364	2263	120	34.00	60	49	3.60	1.20	0.00	0.46	100	100	0.00	6.47
T C4 0	2	(untitled)	TC 771-6			1232	Unrestricted	120	7.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC 771-6			1364	Unrestricted	120	16.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
T C4 1	1	(untitled)	TC 771-6	TC77-1	D	139 <	1850	8	0.00	100	-10	319.34	31.54	21.00	12.68+	100	100	0.00	182.77
T C4 2	1	(untitled)	TC 771-6	TC77-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
T C4 3	1	(untitled)				0	1800	120	120.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	100	0.00	0.00
47	1	(untitled)	2			964	1300	120	12.00	74	21	19.97	3.94	0.00	1.05	100	100	0.00	14.98
48	1	(untitled)	2			1585 <	1965	120	37.22	117	-23	281.35	27.47	30.82	139.84+	100	100	0.00	177.00
49	1	(untitled)	TC 771-6			554	1900	120	0.00	29	209	3.54	0.39	0.00	0.06	100	100	0.00	0.85
	2	(untitled)	TC 771-6			620	1900	120	0.00	33	176	3.61	0.46	0.00	0.08	100	100	0.00	1.12
50	1	(untitled)	1			1918 <	1900	120	4.42	105	-14	105.37	99.60	20.84	82.03+	100	100	0.00	799.57
51	1	(untitled)	4-2			793	1900	120	0.00	42	116	5.17	0.68	0.00	0.15	100	100	0.00	2.12

Pedestrian Crossing Results

Pedestrian	Side	Name	Traffic node	SIGNALS		FLOWS		PERFORMANCE			PER PED		QUES	WEIGHTS	PENALTIES	P.I.
				Controller stream	Phase	Calculated Flow Entering (Ped/hr)	Calculated sat flow (Ped/hr)	Actual green (s per cycle)	Degree of saturation (%)	Practical reserve capacity	Journey Time (s)	Mean Delay per Ped (s)	Mean max queue (Ped)	Delay weighting (%)	Cost of traffic penalties (£ per hr)	P.I.
1	1	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
2	1	(untitled)	3	770-1	C	0	11000	56	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3	770-1	C	0	11000	56	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
3	1	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
4	1	(untitled)	4	770-3	J	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	J	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	1	(untitled)	4	770-3	I	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	I	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
6	1	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00

	2	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
7	1	(untitled)	5	771-1	C	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
8	1	(untitled)	1	769-1	C	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	1	769-1	C	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
9	1	(untitled)	2	769-2	J	0	11000	20	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	J	0	11000	20	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
10	1	(untitled)	2	769-2	K	0	11000	32	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	K	0	11000	32	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	1	(untitled)		769-2	H	0	11000	64	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	64	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	1	(untitled)	2	769-2	I	0	11000	62	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	62	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
13	1	(untitled)		TC777-1	I	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	I	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
14	1	(untitled)		TC777-1	F	0	11000	102	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	F	0	11000	102	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
15	1	(untitled)		TC777-1	G	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	G	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
16	1	(untitled)		TC777-1	H	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	H	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
17	1	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

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	6987.27	1057.35	6.61	875.50	12432.03	1107.98	0.00	13540.02
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	6987.27	1057.35	6.61	875.50	12432.03	1107.98	0.00	13540.02

- < = 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**

TRANSYT 16

Version: 16.0.1.8473
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Filename: M62 JN 28 CRF Scheme_Mar 20_PF_Sept 20_RevE.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Base
Report generation date: 24/01/2021 10:48:49

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- » Final Prediction Table

Summary of network performance

	Set ID	Cycle time (s)	PI (£ per hr)	Total delay (PCU-hr/hr)	Highest DOS	Number oversaturated
	PM Base 2032 + CP - PM 2032 + CP					
Network	A8 D8	60	8694.93	547.62	128% (TS Ef/2)	20 (14%)

There are warnings associated with this model run - see the 'Data Errors and Warnings' tables.

File summary

File description

File title	(untitled)
Location	
Site number	
UTCRegion	
Driving side	Left

Date	01/03/2017
Version	
Status	[no status]
Identifier	
Client	
Jobnumber	
Enumerator	LEEDS\00730414
Description	

Model and Results

Enable controller offsets	Enable fuel consumption	Enable quick flares	Display journey time results	Display OD matrix distances	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 TRAN SYT 12 style timings	Display effective greens in results	Display Red-With-Ambler	Display End-Of-Green Amber	Display control phase minimums

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

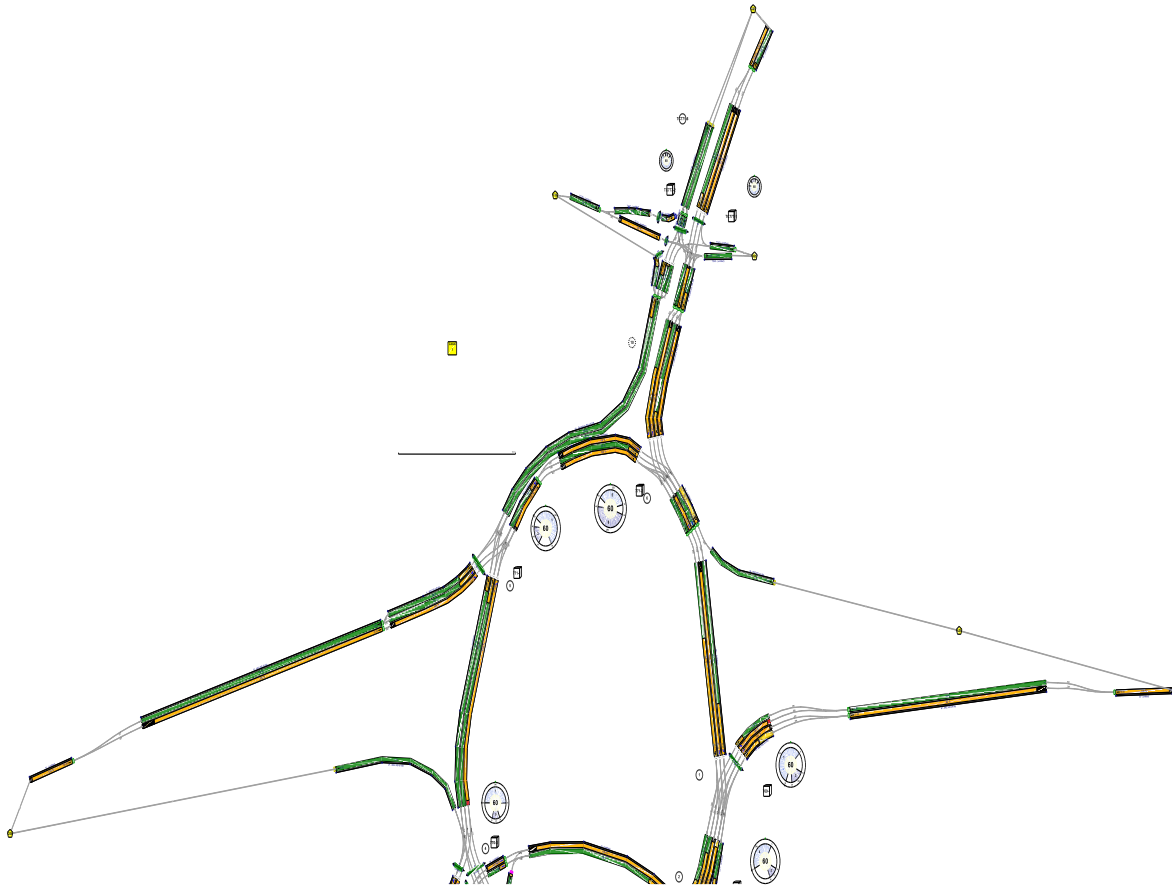
Sorting

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	✓

Simulation options

Criteria type	Stop criteria (%)	Stop criteria time (s)	Stop criteria number of trials	Random seed	Results refresh speed (s)	Average animation capture interval (s)	Use quick response	Do flow sampling	Uniform vehicle generation	Last run random seed	Last run number of trials	Last run time taken (s)
Delay	3.00	999	200	-1	3	60	✓			0	0	0.00

Network Diagrams



A8 - PM Base 2032 + CP D8 - PM 2032 + CP,

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	Local Matrix	Local Matrix 1	Local Matrix 1: Resultant Flows have warnings in one or more time segments - see the Resultant Flows tab of the OD Matrix screen.
Warning	Traffic Stream Signals	Arm TC5 - Traffic Stream 4 - Signals (TC777-1, C)	Traffic Stream 4 controlling phase C never runs in the current stage sequence.
Warning	Traffic Stream Signals	Arm TC42 - Traffic Stream 1 - Signals (TC777-1, E)	Traffic Stream 1 controlling phase E never runs in the current stage sequence.
Info	Arm Data	Arm xC	No traffic node specified for arm(s): xC
Info	Traffic Stream Signals	Arm TC5 - Traffic Stream 4 - Signals (TC777-1, C)	Traffic Stream 4 controlling phase C never runs in stage sequence 1.
Info	Traffic Stream Signals	Arm TC42 - Traffic Stream 1 - Signals (TC777-1, E)	Traffic Stream 1 controlling phase E never runs in stage sequence 1.

Run Summary

Analysis set used	Run start time	Run finish time	Run duration (s)	Modeling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU - hr/hr)	High est DOS (%)	Item with high est DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Item with worst overall PRC	Network within capacity
8	24/01/2021 10:47:42	24/01/2021 10:47:58	16.13	16:30	60	8694.93	547.62	128.36	Ef/2	20	14	TC5/4	Ef/2	TC5/4	

Analysis Set Details

Name	Use Simulation	Description	Use specific Demand Set(s)	Specific Demand Set(s)	Optimise specific Demand Set(s)	Include in report	Locked
PM Base 2032 + CP			✓	D8		✓	

Demand Set Details

Scenario name	Time Period name	Description	Composite	Demand sets	Start time (HH:mm)	Locked	Run automatically
PM 2032 + CP		PM 2032 + CP			16:30		✓

Network Options

Network timings

Network cycle time (s)	Minimum possible cycle time (s)	Absolute minimum possible cycle time (s)	Restrict to SCOOT cycle times	Time segment length (min)	Number of time segments	Modelled time period (min)
60	37	37		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)	Missing stage transition options
10000.00	10000.00	10000.00	2	Assume banned

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 traffic model	Exclude pedestrians from results calculation	Random delay mode	Type of Vehicle-in-Service	Type of random parameter	PCU Length (m)	Calculate results for Path Segments	Generate PDM Profile Data
1	90	100	✓	✓			Complex	Uniform (TRANSYT)	Uniform (TRANSYT)	5.75		✓

Normal Traffic parameters

Dispersion type	Dispersion coefficient	Travel time coefficient
Default	35	80

Normal Traffic Types

Name	PCU Factor
Normal	1.00

Bus parameters

Name	PCU Factor	Dispersion type	Acceleration (ms ⁻²)	Stationary time coefficient	Cruise time coefficient
Bus	1.00	Default	0.94	30	85

Tram parameters

Name	PCU Factor	Dispersion type	Acceleration (ms ⁻²)	Stationary time coefficient	Cruise time coefficient
Tram	1.00	Default	0.94	100	100

Pedestrian parameters

Dispersion type
Default

Optimisation options

Enable optimisation	Auto redistribute	Optimisation level	Enable OUT Profile accuracy
✓		Offsets And Green Splits	✓

Advanced

Optimisation type	Hill climb increments	OUTProfile accuracy (%)	Use enhanced optimisation	Auto optimisation order	Optimisation order	Master controller	Offsets relative to master controller	Master controller offset after each run
Standard accuracy Hill Climb	15, 40, -1, 15, 40, 1, -1, 1	50, 50, 5, 5, 0.5, 0.5, 0.05, 0.05		✓	TC777-1, TC777-2			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
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(ALL)	(untitled)	
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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-calculated 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)		✓	155.36	✓	Directly entered	2050		2050	✓		Normal
	2	(untitled)		✓	151.80	✓	Directly entered	2050		2050	✓		Normal
Gf	1	(untitled)		✓	40.48	✓	Directly entered	2050		2050			Normal
	2	(untitled)		✓	40.06	✓	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	1	(untitled)												
TC4 1	1	1	(untitled)												
TC4 2	1	1	(untitled)		✓	N/A	Average	0	3.00	✓	0	9.44	✓	1771	
TC4 3	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 of saturation penalty (£)
A	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Ac	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Acf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
Af	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
B	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Bc	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Bcf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Bf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
C	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Cf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
D	1	CTM	100	100	100		0.00							

	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
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	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
Dx P	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	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	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	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	NetworkDe fault	100	100	100		0.00							
xC	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xD	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
xE	1	NetworkDe fault	100	100	100		0.00							

	2	NetworkDe fault	100	100	100		0.00							
xF	1	NetworkDe fault	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	NetworkDe fault	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							
TC 5	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
TC 9	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
TC 35	1	CTM	100	100	100		0.00							
TC 36	1	NetworkDe fault	100	100	100		0.00							
TC 37	1	CTM	100	100	100		0.00							
TC 38	1	CTM	100	100	100		0.00							
TC 39	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
TC 40	2	PDM	100	100	100		0.00							
	3	PDM	100	100	100		0.00							
TC 41	1	CTM	100	100	100		0.00							
TC 42	1	NetworkDe fault	100	100	100		0.00							
TC 43	1	NetworkDe fault	100	100	100		0.00							
47	1	CTM	100	100	100		0.00							
48	1	NetworkDe fault	100	100	100		0.00							
49	1	NetworkDe fault	100	100	100		0.00							
	2	NetworkDe fault	100	100	100		0.00							
50	1	NetworkDe fault	100	100	100		0.00							
51	1	NetworkDe fault	100	100	100		0.00							

Modelling - Advanced

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

Normal traffic - Modelling

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

Normal traffic - Advanced

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

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)
A	1	962	962
	2	409	409
	3	835	835
	4	627	627
Ac	1	822	822
	2	301	301
	3	463	463
Acf	1	1123	1123
	2	463	463
Af	1	1371	1371
	2	835	835
	3	627	627
B	1	290	290
	2	424	424
	3	388	388
	4	260	260
Bc	1	797	797
	2	1152	1152
	3	686	686
Bcf	1	1784	1784
	2	797	797
	3	1152	1152
	4	686	686
Bf	1	714	714
	2	648	648
C	1	499	499
	2	431	431
	3	144	144
Cf	1	499	499
	2	575	575
D	1	290	290
	2	357	357
	3	382	382
Dc	1	875	875
	2	856	856
	3	369	369
	4	404	404
Dcf	1	1163	1163
	2	1487	1487
	3	856	856
	4	369	369
	5	404	404
Df	1	647	647
	2	382	382
Dxp	1	1163	1163
	2	613	613
Ec	1	632	632
	2	656	656
	3	518	518

	4	309	309
Ecf	1	980	980
	2	1041	1041
	3	656	656
	4	856	856
Ef	1	880	880
	2	617	617
Exp	1	980	980
	2	409	409
F	1	235	235
	2	307	307
	3	368	368
Fc	1	764	764
	2	609	609
	3	876	876
Ff	1	542	542
	2	368	368
G	1	376	376
	2	271	271
Gf	1	372	372
	2	245	245
xA	1	909	909
	2	663	663
xB	1	1784	1784
xC	1	787	787
	2	652	652
xD	1	1163	1163
	2	613	613
xE	1	980	980
	2	409	409
xF	1	746	746
Cc1	1	791	791
E1	1	313	313
	2	567	567
Gf1	1	30	30
Cc2	2	1072	1072
	3	728	728
	4	1145	1145
	5	260	260
	3	372	372
E2	4	245	245
	2	731	731
TC5	3	663	663
	4	0	0
	1	1205	1205
TC9	2	814	814
	3	461	461
	1	178	178
TC35	1	431	431
TC36	1	78	78
TC37	1	78	78
TC38	1	78	78
TC39	2	731	731
	3	663	663
TC40	2	809	809
	3	663	663

TC41	1	353	353
TC42	1	0	0
TC43	1	0	0
47	1	1438	1438
48	1	1074	1074
49	1	1205	1205
	2	1275	1275
50	1	1362	1362
51	1	910	910

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	5f/1	Ff/1	33.09	30.00	✓	Straight	Straight Movement
	2	1	5f/1	Ff/2	33.05	30.00	✓	Straight	Straight Movement
G	1	1	Gf/1	G/1	15.98	35.00	✓	Offside	88.54
	2	1	Gf/2	G/2	11.38	48.00	✓	Offside	85.22
Gf	1	1	E2/3	Gf/1	3.04	48.00	✓	Straight	Straight Movement
	2	1	E2/4	Gf/2	3.00	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	Ec/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	15.98	35.00	✓	Offside	17.91
	2	2	Gf1/1	G/2	11.38	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
1		TrafficStream	Gf/1	100	0.22	
		TrafficStream	Gf/2	100	0.22	
		TrafficStream	TC39/2	100	0.22	
		TrafficStream	TC39/3	100	0.22	

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

	A28	3	55	365	13	469	55	450	0
	B28	19	0	95	180	512	13	255	0
	C28	298	30	0	185	105	20	391	0
	D28	6	388	264	0	17	55	180	0
	E28	496	617	94	114	1	9	166	0
	F28	126	29	67	106	25	0	78	0
	G28	836	319	891	148	260	26	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	Normal Calculated Flow (PCU/hr)
1	23	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	288
	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	0
	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	0
	32	I1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	105
	36		C28	E28	Df/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	0
	41		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	472
	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	47
	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	0
	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	0
	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	0
	49	I1	C28	D28	Df/1, D/1, Ecf/2, Ec/1, xF/1	Normal	185
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	114
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	99
	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	106
	91	I2	C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	20
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	9
	96		A28	C28	50/1, Bf/1, B/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	71
	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	0
	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	0
99	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	26	

100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Fixed	245
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	0
102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	235
103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
104	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	226
105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	0
106		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	460
107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	28
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	125
109	I3	C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	64
110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	67
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	19
112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	78
113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	126
114		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	4
116		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	11
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	0
118		F28	C28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	35
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	13
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	13
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	2
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	0
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	0
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	0
125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
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	0
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	0
128		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
129		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	11
130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	271
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	72
132		H28	C28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
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	0
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	0
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	0
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	0
137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	0
138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	0
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	2
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	0
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	2
142		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
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	0
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	0
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	0
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	Fixed	0
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	Fixed	0
149	I3	C28	B28	Df/2, D/3, Ecf/4, Gf/1/1, G/1, xC/1, 47/1	Fixed	4
150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	372
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	0

152	H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
153	F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	29
154	E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	24
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	0
156	C28	G28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	60
157	H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
158	B28	D28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	180
159	B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	108
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	111
161	B28	F28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	13
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	0
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	19
164	B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
165	B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
166	B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	91
167	B28	E28	48/1, Cf/1, C/1, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	404
168	G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal	836
169	G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	160
170	G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	160
171	G28	H28	49/1, TC9/1, TC43/1	Normal	0
175	G28	C28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	110
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	131
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	137
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	57
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	0
185	A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	28
186	A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	59
187	A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	241
195	D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	160
196	D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	55
197	D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	20
198	D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	6
199	D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	151
200	D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	151
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	188
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	45
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	12
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	0
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	2
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	Fixed	257
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	0
212	A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	13
213	A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	175
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	0
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	26
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	135
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	55
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	0
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	0
222	A28	D28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
223	A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	53

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	0
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	0
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	0
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	0
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	0
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	0
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	0
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	10
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	0
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	0
234	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	41
235		E28	G28	Ef/1, E1/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	0
236		E28	H28	Ef/1, E1/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
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	0
238		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Fixed	44
239		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	43
240		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	50
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	0
242		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
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	Fixed	11
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	0
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	0
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	47
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	0
248		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	31
249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
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	0
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	0
252		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	11
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	Fixed	0
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	2
255	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0
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	0
257		C28	H28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
258		C28	A28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	10
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	0
260		C28	A28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0
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	0
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	0
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	0
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	0
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	0
266		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	0
267		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Fixed	0

Signal Timings

Network Default: 60s cycle time; 60 steps

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)
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16:30-17:30	(ALL)	0.00	0.00	0.00	0.00
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Results - Link

Results - Traffic Stream

Results - Traffic Stream: Vehicle summary

Time Segment	Arm	Traffic Stream	Name	Phase	Calculated flow entering (PCU/hr)	Calculated saturation (PCU/hr)	Actual green (s (per cycle))	Calculated capacity (PCU/hr)	Degree of saturation (%)	Practical reserve capacity (%)	Mean Delay per Veh (s)	Mean maximum queue (PCU)	Utilised storage (%)	Journey Time (s)	
16:30-17:30	A	1	(untitled)	E	962	2050	28	991	97	-7	45.84	19.66	151.72	51.43	
		2	(untitled)	E	410	2050	28	991	41	118	8.17	2.66	19.90	13.94	
		3	(untitled)	E	836	2050	28	991	84	7	18.64	12.45	91.07	24.54	
		4	(untitled)	E	628	2050	28	991	63	42	13.80	9.83	70.31	19.82	
	Ac	1	(untitled)	D	798	2263	22	867	92	-2	40.40	16.14	96.89	47.58	
		2	(untitled)	D	302	2263	22	741	41	121	3.93	5.21	32.46	13.42	
		3	(untitled)	D	458	2263	22	867	53	70	6.37	7.54	49.29	12.97	
	Acf	1	(untitled)			1100	2263	60	2263	49	85	0.75	0.23	1.90	5.97
		2	(untitled)			458	2263	60	2263	20	344	0.20	0.03	0.21	7.45
	Af	1	(untitled)			1372	2050	60	2026	68	33	1.91	3.61	38.77	8.33
		2	(untitled)			836	2050	60	1994	42	115	0.71	1.60	17.30	7.10
		3	(untitled)			628	2050	60	2050	31	194	0.39	0.07	0.73	6.75
	B	1	(untitled)	B	271	2050	10	376	72	25	41.61	5.40	32.82	48.71	
		2	(untitled)	B	394	2150	10	394	100	-10	205.77	25.68	151.95	213.06	
		3	(untitled)	B	361	2100	10	376	96	-6	151.38	20.19	116.44	158.86	
		4	(untitled)	B	243	2050	10	376	65	39	30.50	3.91	21.98	42.79	
	Bc	1	(untitled)	A	799	2050	38	1333	60	50	8.28	8.22	35.57	20.23	
		2	(untitled)	A	1148	2050	38	1148	100	-10	61.32	32.33	141.40	73.15	
		3	(untitled)	A	687	2050	38	1096	63	44	4.56	14.05	62.10	16.27	
	Bcf	1	(untitled)			1760	2263	60	2263	78	16	2.76	1.35	12.37	7.12
		2	(untitled)			799	2263	60	2263	35	155	0.43	0.10	0.88	5.81
		3	(untitled)			1148	2263	60	2263	51	77	0.82	0.26	2.41	6.70
		4	(untitled)			687	2263	60	2263	30	196	0.35	0.07	0.61	6.71
	Bf	1	(untitled)			665	1800	60	716	93	-3	148.69	43.93	110.88	176.03

	2	(untitled)		603	1800	60	1800	34	169	0.50	0.08	0.21	27.92
C	1	(untitled)	G	481	2100	13	490	98	-8	179.87	28.81	136.74	194.40
	2	(untitled)	G	431	2200	13	513	84	7	39.24	8.52	40.03	53.92
	3	(untitled)	G	144	2050	13	478	30	199	20.61	1.98	9.18	35.53
Cf	1	(untitled)		499	1965	60	481	104	-13	154.18	26.34	104.72	171.53
	2	(untitled)		575	1965	60	1965	29	208	0.38	0.06	0.24	17.88
D	1	(untitled)	B	290	2050	12	444	65	38	28.95	4.55	47.58	33.08
	2	(untitled)	B	357	1850	12	401	89	1	53.80	8.18	85.56	57.92
	3	(untitled)	B	382	2250	12	430	89	1	51.49	8.48	92.18	55.46
Dc	1	(untitled)	A	844	2100	38	1347	63	44	8.07	7.16	81.23	11.87
	2	(untitled)	A	847	2100	38	1365	62	45	5.61	5.54	65.37	9.26
	3	(untitled)	A	363	2100	38	1365	27	239	3.25	2.52	30.96	6.76
	4	(untitled)	A	387	2100	38	1365	28	218	4.65	2.58	33.04	8.01
Dcf	1	(untitled)		1137	2050	60	2050	55	62	1.09	0.34	3.00	6.04
	2	(untitled)		1450	2100	60	1987	73	23	2.47	3.30	28.76	7.42
	3	(untitled)		847	2100	60	2100	40	123	0.58	0.14	1.14	5.95
	4	(untitled)		363	2100	60	2100	17	421	0.18	0.02	0.16	7.00
	5	(untitled)		387	2100	60	2100	18	389	0.19	0.02	0.18	5.21
Df	1	(untitled)		647	1900	60	1900	34	164	0.49	0.09	0.25	24.49
	2	(untitled)		382	2250	60	2250	17	430	0.16	0.02	0.05	24.16
Dxp	1	(untitled)	D	1137	2050	41	1435	79	14	5.45	2.96	36.52	8.95
	2	(untitled)	D	606	2050	41	1435	42	113	0.99	0.23	2.71	4.64
Ec	1	(untitled)	F	632	2150	35	1290	49	84	6.83	5.33	61.22	10.58
	2	(untitled)	F	650	2263	35	1358	48	88	8.79	6.69	79.47	12.43
	3	(untitled)	F	500	2263	35	1358	37	145	4.50	4.85	59.66	8.01
	4	(untitled)	F	309	2250	35	1350	23	293	13.67	5.08	63.55	17.11
Ecf	1	(untitled)		949	2100	60	2023	47	92	1.44	5.19	65.01	4.88
	2	(untitled)		1032	2100	60	2100	49	83	0.83	0.24	2.94	4.31
	3	(untitled)		650	2263	60	2106	31	192	0.56	2.39	29.25	4.08
	4	(untitled)		839	2300	60	2300	36	147	0.45	0.10	1.19	4.42
Ef	1	(untitled)		879	1900	60	835	105	-15	132.59	42.76	192.76	147.90
	2	(untitled)		617	1900	60	481	128	-30	421.41	77.61	349.88	436.71

Exp	1	(untitled)	L	949	2050	40	1401	68	33	4.98	5.87	65.16	8.87
	2	(untitled)	L	401	2050	40	1401	29	215	0.51	0.06	0.61	4.54
F	1	(untitled)	B	235	2100	10	385	61	47	29.76	3.80	25.67	36.14
	2	(untitled)	B	308	2100	10	385	80	13	41.10	6.17	41.38	47.53
	3	(untitled)	B	369	2100	10	385	96	-6	82.24	11.41	75.21	88.78
Fc	1	(untitled)	A	752	2263	40	1546	49	85	1.67	1.98	6.22	20.76
	2	(untitled)	A	586	2263	40	1504	39	131	1.46	3.48	11.02	20.38
	3	(untitled)	A	846	2263	40	1537	55	63	6.10	14.90	47.52	25.74
Ff	1	(untitled)		543	1900	60	1900	29	215	0.38	0.06	0.12	33.47
	2	(untitled)		369	1900	60	1900	19	363	0.23	0.02	0.05	33.28
G	1	(untitled)	F	294	2050	13	293	100	-10	366.06	33.48	123.90	382.04
	2	(untitled)	F	217	2050	13	463	47	92	40.47	3.83	14.49	51.85
Gf	1	(untitled)		290	2050	60	290	100	-10	146.99	14.94	212.26	150.02
	2	(untitled)		191	2050	60	2050	9	866	0.09	2.32	33.35	3.09
xA	1	(untitled)		898	2263	60	2194	41	120	0.76	2.54	6.35	17.98
	2	(untitled)		641	2263	60	2263	28	218	0.31	0.06	0.14	17.56
xB	1	(untitled)		1760	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	1	(untitled)		703	1900	60	703	100	-10	121.30	30.54	151.90	129.97
	2	(untitled)		597	1900	60	754	79	14	14.46	6.24	30.92	23.15
xD	1	(untitled)		1137	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
	2	(untitled)		606	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
xE	1	(untitled)		949	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		401	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	1	(untitled)		740	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
Cc1	1	(untitled)	E	790	2050	32	1065	74	21	15.91	12.07	72.42	22.44
E1	1	(untitled)	G	297	2050	14	513	58	55	36.25	5.34	38.38	42.25
	2	(untitled)	G	537	2200	14	550	98	-8	124.09	22.32	160.41	130.09
Gf1	1	(untitled)		30	694	60	572	5	1617	5.50	0.49	5.72	9.20
Cc2	2	(untitled)	D	1049	2150	33	1175	89	1	23.59	16.21	101.80	30.28
	3	(untitled)	D	717	2050	33	1162	62	46	12.05	11.74	75.63	19.09
	4	(untitled)	D	1119	2150	33	1218	92	-2	25.28	18.14	117.25	31.82
	5	(untitled)	D	243	2050	33	1162	21	331	13.17	4.21	27.29	21.15

E2	3	(untitled)	H	290	2150	14	290	100	-10	174.43	15.00	161.85	178.43
	4	(untitled)	H	191	2050	14	513	37	142	29.12	2.43	25.71	33.20
TC5	2	(untitled)	A	722	2263	38	1509	48	88	3.71	2.89	72.05	6.47
	3	(untitled)	A	641	2263	38	1509	43	112	1.19	0.49	12.24	3.95
	4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
TC9	1	(untitled)	B	1206	1925	39	1348	89	1	17.94	17.12	107.31	28.94
	2	(untitled)	B	814	1966	39	1376	59	52	6.50	6.51	40.61	17.55
	3	(untitled)	B	461	1947	39	1363	34	166	4.22	2.99	18.54	15.34
TC35	1	(untitled)	A	176	1900	38	1267	14	548	4.61	1.46	34.76	7.51
TC36	1	(untitled)		433	1800	60	1800	24	274	0.32	0.04	0.87	3.34
TC37	1	(untitled)	J	78	1850	45	1418	5	1537	1.82	0.30	3.96	5.01
TC38	1	(untitled)		78	450	60	450	17	419	3.12	2.43	65.64	4.65
TC39	2	(untitled)		722	2263	60	2263	32	182	0.37	0.07	1.22	2.91
	3	(untitled)		641	2263	60	2263	28	218	0.31	0.06	0.97	2.71
TC40	2	(untitled)		800	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
	3	(untitled)		641	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
TC41	1	(untitled)	D	355	1850	11	370	96	-6	83.86	11.15	117.34	87.79
TC42	1	(untitled)	E	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
TC43	1	(untitled)		0	1800	60	1800	0	Unrestricted	0.00	0.00	0.00	0.00
47	1	(untitled)		1300	1300	60	1300	100	-10	48.58	17.54	75.48	64.61
48	1	(untitled)		1074	1965	60	1965	55	65	1.10	0.33	3.43	7.72
49	1	(untitled)		1206	1900	60	1900	63	42	1.64	0.55	12.04	4.79
	2	(untitled)		1275	1900	60	1900	67	34	1.92	0.68	14.93	5.07
50	1	(untitled)		1364	1900	60	1268	108	-16	149.69	74.20	886.20	155.46
51	1	(untitled)		912	1900	60	1900	48	88	0.87	0.22	3.40	5.37

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,C	34	8	34	1	7
	2	✓	2	B	19	29	10	1	7
769-2	1	✓	4	D,E,H,I	41	5	24	1	1
	2	✓	5	F,G,J,K	19	26	7	1	7
770-1	1	✓	1	A,C	39	15	36	1	5

	2	✓	2	B	22	34	12	1	7
770-2	1	✓	4	D	42	23	41	1	7
	2	✓	5	E	28	35	7	1	5
770-3	1	✓	7	F,I,J	45	15	30	1	2
	2	✓	9	G,H	26	33	7	1	1
770-4	1	✓	11	L	44	24	40	1	7
	2	✓	12	M	29	37	8	1	6
771-1	1	✓	1	A,C	51	25	34	1	9
	2	✓	3	B	36	46	10	1	7
771-2	1	✓	5	D	51	13	22	1	7
	2	✓	6	E	18	46	28	1	7
TC777-1	1	✓	1	A,B,F	8	46	38	1	7
	2	✓	5	D,H,I	53	2	9	1	6
TC777-2	1	✓	1	J	8	53	45	1	7
	2	✓	2	K	58	3	5	1	5

Data Entry - Phase

Phase

Controller Stream	Phase	Phase	Street 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	✓	155.36	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	151.80	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Gf	1	✓	40.48	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	40.06	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

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Normal journey dist (m)	Bus journeydist (m)	Tram journey dist (m)	Pedestrian journey dist (m)	Calculated Total Flow (PCU/hr)	Avg journey time (s)	Avg journey dist (m)
23	C28	A28	288	206.91	834.67	0.00	0.00	0.00	288	206.91	834.67
24	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
25	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
32	C28	E28	105	94.50	526.66	0.00	0.00	0.00	105	94.50	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	472	360.84	693.05	0.00	0.00	0.00	472	360.84	693.05
42	E28	C28	47	468.05	1065.88	0.00	0.00	0.00	47	468.05	1065.88
43	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
44	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
45	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
49	C28	D28	185	93.62	514.00	0.00	0.00	0.00	185	93.62	514.00
50	E28	D28	114	202.34	370.08	0.00	0.00	0.00	114	202.34	370.08
68	E28	G28	99	245.77	737.43	0.00	0.00	0.00	99	245.77	737.43
86	F28	D28	106	191.53	871.13	0.00	0.00	0.00	106	191.53	871.13
91	C28	F28	20	146.09	787.40	0.00	0.00	0.00	20	146.09	787.40
92	E28	F28	9	237.55	644.57	0.00	0.00	0.00	9	237.55	644.57
96	A28	C28	71	605.78	699.00	0.00	0.00	0.00	71	605.78	699.00
97	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
98	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
99	C28	B28	26	233.27	753.91	0.00	0.00	0.00	26	233.27	753.91
100	E28	B28	245	613.59	623.35	0.00	0.00	0.00	245	613.59	623.35
101	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
102	A28	C28	235	441.80	696.48	0.00	0.00	0.00	235	441.80	696.48
103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
104	C28	G28	226	153.95	880.25	0.00	0.00	0.00	226	153.95	880.25
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
106	G28	C28	460	181.24	769.84	0.00	0.00	0.00	460	181.24	769.84
107	A28	B28	28	496.84	716.08	0.00	0.00	0.00	28	496.84	716.08
108	B28	G28	125	139.75	1057.75	0.00	0.00	0.00	125	139.75	1057.75
109	C28	G28	64	147.48	873.55	0.00	0.00	0.00	64	147.48	873.55
110	E28	G28	67	243.08	731.08	0.00	0.00	0.00	67	243.08	731.08
111	B28	G28	19	158.80	1057.51	0.00	0.00	0.00	19	158.80	1057.51
112	F28	G28	78	17.24	149.60	0.00	0.00	0.00	78	17.24	149.60
113	F28	A28	126	171.17	347.74	0.00	0.00	0.00	126	171.17	347.74
114	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
115	B28	C28	4	403.34	558.16	0.00	0.00	0.00	4	403.34	558.16
116	F28	C28	11	255.91	731.34	0.00	0.00	0.00	11	255.91	731.34
117	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
118	F28	C28	35	194.53	731.82	0.00	0.00	0.00	35	194.53	731.82
119	F28	E28	13	210.63	882.77	0.00	0.00	0.00	13	210.63	882.77
120	F28	E28	13	191.83	886.05	0.00	0.00	0.00	13	191.83	886.05
121	A28	A28	2	365.35	1161.19	0.00	0.00	0.00	2	365.35	1161.19
122	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
123	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
124	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
126	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
127	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
128	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
129	F28	C28	11	196.81	732.12	0.00	0.00	0.00	11	196.81	732.12
130	G28	C28	271	182.18	770.24	0.00	0.00	0.00	271	182.18	770.24

131	G28	E28	72	200.70	921.19	0.00	0.00	0.00	72	200.70	921.19
132	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
133	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
134	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
135	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
136	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
137	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
138	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
139	D28	E28	2	304.20	1229.52	0.00	0.00	0.00	2	304.20	1229.52
140	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
141	D28	E28	2	300.80	1232.51	0.00	0.00	0.00	2	300.80	1232.51
142	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
143	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
144	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
145	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
146	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
147	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
148	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
149	C28	B28	4	664.52	757.09	0.00	0.00	0.00	4	664.52	757.09
150	E28	B28	372	1342.15	625.89	0.00	0.00	0.00	372	1342.15	625.89
151	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
152	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
153	F28	B28	29	360.81	751.33	0.00	0.00	0.00	29	360.81	751.33
154	E28	A28	24	261.32	694.21	0.00	0.00	0.00	24	261.32	694.21
155	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
156	C28	G28	60	152.62	875.68	0.00	0.00	0.00	60	152.62	875.68
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	B28	D28	180	125.59	699.67	0.00	0.00	0.00	180	125.59	699.67
159	B28	E28	108	123.01	714.59	0.00	0.00	0.00	108	123.01	714.59
160	B28	G28	111	159.65	1062.09	0.00	0.00	0.00	111	159.65	1062.09
161	B28	F28	13	151.78	969.24	0.00	0.00	0.00	13	151.78	969.24
162	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
163	B28	A28	19	198.98	1018.87	0.00	0.00	0.00	19	198.98	1018.87
164	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
165	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
166	B28	C28	91	406.43	555.13	0.00	0.00	0.00	91	406.43	555.13
167	B28	E28	404	424.92	709.11	0.00	0.00	0.00	404	424.92	709.11
168	G28	A28	836	105.67	385.83	0.00	0.00	0.00	836	105.67	385.83
169	G28	B28	160	292.33	789.43	0.00	0.00	0.00	160	292.33	789.43
170	G28	B28	160	184.99	789.81	0.00	0.00	0.00	160	184.99	789.81
171	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
175	G28	C28	110	116.64	770.89	0.00	0.00	0.00	110	116.64	770.89
176	G28	E28	131	132.80	921.85	0.00	0.00	0.00	131	132.80	921.85
177	G28	D28	137	114.69	910.21	0.00	0.00	0.00	137	114.69	910.21
178	G28	E28	57	113.49	925.13	0.00	0.00	0.00	57	113.49	925.13
181	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
185	A28	B28	28	603.45	715.70	0.00	0.00	0.00	28	603.45	715.70
186	A28	C28	59	604.26	699.40	0.00	0.00	0.00	59	604.26	699.40
187	A28	E28	241	623.51	850.36	0.00	0.00	0.00	241	623.51	850.36
195	D28	G28	160	115.37	744.99	0.00	0.00	0.00	160	115.37	744.99
196	D28	F28	55	106.49	652.14	0.00	0.00	0.00	55	106.49	652.14
197	D28	G28	20	112.88	740.41	0.00	0.00	0.00	20	112.88	740.41
198	D28	A28	6	142.52	704.14	0.00	0.00	0.00	6	142.52	704.14
199	D28	B28	151	352.44	1101.91	0.00	0.00	0.00	151	352.44	1101.91
200	D28	B28	151	245.67	1102.29	0.00	0.00	0.00	151	245.67	1102.29
201	D28	C28	188	285.63	1078.16	0.00	0.00	0.00	188	285.63	1078.16

204	D28	C28	45	233.92	1077.09	0.00	0.00	0.00	45	233.92	1077.09
205	D28	E28	12	253.03	1228.05	0.00	0.00	0.00	12	253.03	1228.05
206	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
207	D28	E28	2	232.54	1231.32	0.00	0.00	0.00	2	232.54	1231.32
210	A28	G28	257	312.32	1200.07	0.00	0.00	0.00	257	312.32	1200.07
211	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
212	A28	D28	13	399.98	841.86	0.00	0.00	0.00	13	399.98	841.86
213	A28	E28	175	400.22	856.77	0.00	0.00	0.00	175	400.22	856.77
214	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
215	G28	F28	26	155.59	1179.78	0.00	0.00	0.00	26	155.59	1179.78
218	A28	G28	135	436.61	1204.28	0.00	0.00	0.00	135	436.61	1204.28
219	A28	F28	55	428.74	1111.43	0.00	0.00	0.00	55	428.74	1111.43
220	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
221	F28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
222	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
223	A28	E28	53	619.57	853.35	0.00	0.00	0.00	53	619.57	853.35
224	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
225	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
226	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
227	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
228	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
229	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
230	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
231	A28	G28	10	435.76	1199.70	0.00	0.00	0.00	10	435.76	1199.70
232	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
233	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
234	C28	G28	41	153.10	875.67	0.00	0.00	0.00	41	153.10	875.67
235	E28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
236	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
237	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
238	D28	B28	44	394.82	1099.55	0.00	0.00	0.00	44	394.82	1099.55
239	D28	B28	43	288.00	1099.93	0.00	0.00	0.00	43	288.00	1099.93
240	G28	C28	50	126.58	770.21	0.00	0.00	0.00	50	126.58	770.21
241	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
242	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
243	G28	D28	11	205.83	909.27	0.00	0.00	0.00	11	205.83	909.27
244	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
245	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
246	E28	C28	47	468.07	1066.29	0.00	0.00	0.00	47	468.07	1066.29
247	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
248	D28	C28	31	285.45	1078.57	0.00	0.00	0.00	31	285.45	1078.57
249	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
250	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
251	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
252	F28	C28	11	256.46	731.74	0.00	0.00	0.00	11	256.46	731.74
253	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
254	A28	A28	2	365.85	1163.20	0.00	0.00	0.00	2	365.85	1163.20
255	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
256	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
257	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
258	C28	A28	10	207.73	838.81	0.00	0.00	0.00	10	207.73	838.81
259	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
260	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
261	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
262	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
263	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

264	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
265	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
266	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
267	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

Final Prediction Table

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU		QUEUES	WEIGHTS		PENALTIES	P.I.	
Arm	Traffic Stream	Name	Traffic node	Cont roller stream	Phase	Calcu lated flow entering (PCU/hr)	Calcu lated sat flow (PCU/hr)	Act ual green (s per cycle)	Waste d time total (s per cycle)	Degree of saturation (%)	Practi cal reserve capacity (%)	Journe yTime (s)	Me an Delay per Veh (s)	Me an stops per Veh (%)	Me an max que ue (PCU)	De la y weight ing multi plier (%)	Stop weight ing multi plier (%)	Cost of traffic penalties (£ per hr)	P.I.
A	1	(untitled)	6	771-2	E	962 <	2050	28	0.00	97	-7	51.43	45.84	107.85	19.66+	100	100	0.00	207.24
	2	(untitled)	6	771-2	E	410	2050	28	0.00	41	118	13.94	8.17	35.36	2.66	100	100	0.00	17.87
	3	(untitled)	6	771-2	E	836	2050	28	0.00	84	7	24.54	18.64	69.33	12.45	100	100	0.00	80.08
	4	(untitled)	6	771-2	E	628	2050	28	0.00	63	42	19.82	13.80	76.04	9.83	100	100	0.00	49.50
Ac	1	(untitled)	6	771-2	D	798	2263	22	0.00	92	-2	47.58	40.40	91.97	16.14	100	100	0.00	150.67
	2	(untitled)	6	771-2	D	302	2263	22	14.34	41	121	13.42	3.93	34.96	5.21	100	100	0.00	6.48
	3	(untitled)	6	771-2	D	458	2263	22	2.00	53	70	12.97	6.37	48.65	7.54	100	100	0.00	18.67
Ac f	1	(untitled)	6			1100	2263	60	26.00	49	85	5.97	0.75	0.00	0.23	100	100	0.00	3.26
	2	(untitled)	6			458	2263	60	34.00	20	344	7.45	0.20	0.00	0.03	100	100	0.00	0.36
Af	1	(untitled)	6			1372	2050	60	6.70	68	33	8.33	1.91	4.26	3.61	100	100	0.00	11.05
	2	(untitled)	6			836	2050	60	8.64	42	115	7.10	0.71	3.21	1.60	100	100	0.00	2.69
	3	(untitled)	6			628	2050	60	6.00	31	194	6.75	0.39	0.00	0.07	100	100	0.00	0.96
B	1	(untitled)	1	769-1	B	271	2050	10	3.00	72	25	48.71	41.61	118.89	5.40	100	100	0.00	54.72
	2	(untitled)	1	769-1	B	394 <	2150	10	0.00	100	-10	213.06	20.57	31.20	25.68+	100	100	0.00	359.41
	3	(untitled)	1	769-1	B	361 <	2100	10	0.26	96	-6	158.86	15.13	27.83	20.19+	100	100	0.00	248.96
	4	(untitled)	1	769-1	B	243	2050	10	0.00	65	39	42.79	30.50	96.24	3.91	100	100	0.00	32.12
Bc	1	(untitled)	1	769-1	A	799	2050	38	4.00	60	50	20.23	8.28	47.42	8.22	100	100	0.00	34.53
	2	(untitled)	1	769-1	A	1148 <	2050	38	5.41	100	-10	73.15	61.32	14.58	32.33+	100	100	0.00	315.04
	3	(untitled)	1	769-1	A	687	2050	38	10.92	63	44	16.27	4.56	22.31	14.05	100	100	0.00	15.78
Bc f	1	(untitled)	1			1760	2263	60	8.00	78	16	7.12	2.76	0.00	1.35	100	100	0.00	19.14

	2	(untitled)	1			799	2263	60	19.00	35	155	5.81	0.43	0.00	0.10	100	100	0.00	1.37
	3	(untitled)	1			1148	2263	60	10.00	51	77	6.70	0.82	0.00	0.26	100	100	0.00	3.71
	4	(untitled)	1			687	2263	60	20.00	30	196	6.71	0.35	0.00	0.07	100	100	0.00	0.94
Bf	1	(untitled)	1			665 <	1800	60	36.12	93	-3	176.03	148.69	366.35	43.93+	100	100	0.00	420.38
	2	(untitled)	1			603	1800	60	0.00	34	169	27.92	0.50	0.00	0.08	100	100	0.00	1.20
C	1	(untitled)	2	769-2	G	481 <	2100	13	0.00	98	-8	194.40	179.87	333.05	28.81+	100	100	0.00	361.51
	2	(untitled)	2	769-2	G	431	2200	13	0.00	84	7	53.92	39.24	116.63	8.52	100	100	0.00	73.01
	3	(untitled)	2	769-2	G	144	2050	13	0.00	30	199	35.53	20.61	82.68	1.98	100	100	0.00	13.20
Cf	1	(untitled)	2			499 <	1965	60	45.31	104	-13	171.53	154.18	255.25	26.34+	100	100	0.00	318.86
	2	(untitled)	2			575	1965	60	0.00	29	208	17.88	0.38	0.00	0.06	100	100	0.00	0.86
D	1	(untitled)	3	770-1	B	290	2050	12	0.00	65	38	33.08	28.95	93.78	4.55	100	100	0.00	41.85
	2	(untitled)	3	770-1	B	357	1850	12	0.00	89	1	57.92	53.80	130.80	8.18	100	100	0.00	90.75
	3	(untitled)	3	770-1	B	382	2250	12	1.53	89	1	55.46	51.49	127.78	8.48	100	100	0.00	93.25
Dc	1	(untitled)	3	770-1	A	844	2100	38	0.51	63	44	11.87	8.07	51.25	7.16	100	100	0.00	40.72
	2	(untitled)	3	770-1	A	847	2100	38	0.00	62	45	9.26	5.61	37.82	5.54	100	100	0.00	29.03
	3	(untitled)	3	770-1	A	363	2100	38	15.00	27	239	6.76	3.25	37.69	2.52	100	100	0.00	9.04
	4	(untitled)	3	770-1	A	387	2100	38	26.00	28	218	8.01	4.65	40.93	2.58	100	100	0.00	12.17
Dcf	1	(untitled)	3			1137	2050	60	12.00	55	62	6.04	1.09	0.00	0.34	100	100	0.00	4.89
	2	(untitled)	3			1450	2100	60	12.24	73	23	7.42	2.47	9.85	3.30	100	100	0.00	18.73
	3	(untitled)	3			847	2100	60	15.00	40	123	5.95	0.58	0.00	0.14	100	100	0.00	1.94
	4	(untitled)	3			363	2100	60	27.00	17	421	7.00	0.18	0.00	0.02	100	100	0.00	0.26
	5	(untitled)	3			387	2100	60	38.00	18	389	5.21	0.19	0.00	0.02	100	100	0.00	0.29
Df	1	(untitled)	3-2			647	1900	60	0.00	34	164	24.49	0.49	0.00	0.09	100	100	0.00	1.25
	2	(untitled)	3-2			382	2250	60	0.00	17	430	24.16	0.16	0.00	0.02	100	100	0.00	0.25
DxP	1	(untitled)	3-2	770-2	D	1137	2050	41	1.00	79	14	8.95	5.45	14.97	2.96	100	100	0.00	29.89
	2	(untitled)	3-2	770-2	D	606	2050	41	4.00	42	113	4.64	0.99	2.20	0.23	100	100	0.00	2.80
Ec	1	(untitled)	4	770-3	F	632	2150	35	0.00	49	84	10.58	6.83	42.65	5.33	100	100	0.00	25.65
	2	(untitled)	4	770-3	F	650	2263	35	7.00	48	88	12.43	8.79	62.99	6.69	100	100	0.00	35.67
	3	(untitled)	4	770-3	F	500	2263	35	21.00	37	145	8.01	4.50	39.84	4.85	100	100	0.00	15.27
	4	(untitled)	4	770-3	F	309	2250	35	27.00	23	293	17.11	13.67	101.55	5.08	100	100	0.00	26.72

Ecf	1	(untitled)	4			949	2100	60	10.20	47	92	4.88	1.44	8.80	5.19	100	100	0.00	8.05
	2	(untitled)	4			1032	2100	60	8.00	49	83	4.31	0.83	0.00	0.24	100	100	0.00	3.37
	3	(untitled)	4			650	2263	60	23.16	31	192	4.08	0.56	6.13	2.39	100	100	0.00	2.73
	4	(untitled)	4			839	2300	60	34.00	36	147	4.42	0.45	0.00	0.10	100	100	0.00	1.48
Eef	1	(untitled)	4			879 <	1900	60	33.64	105	-15	147.90	13.25	22.75	42.76+	100	100	0.00	483.54
	2	(untitled)	4			617 <	1900	60	44.82	128	-30	436.71	42.14	34.56	77.61+	100	100	0.00	104.64
Exp	1	(untitled)	4-2	770-4	L	949	2050	40	1.00	68	33	8.87	4.98	23.30	5.87	100	100	0.00	25.73
	2	(untitled)	4-2	770-4	L	401	2050	40	6.00	29	215	4.54	0.51	0.00	0.06	100	100	0.00	0.81
F	1	(untitled)	5	771-1	B	235	2100	10	0.00	61	47	36.14	29.76	96.68	3.80	100	100	0.00	34.88
	2	(untitled)	5	771-1	B	308	2100	10	0.00	80	13	47.53	41.10	11.27	6.17	100	100	0.00	61.09
	3	(untitled)	5	771-1	B	369	2100	10	0.00	96	-6	88.78	82.24	16.54	11.41	100	100	0.00	139.30
Fcf	1	(untitled)	5	771-1	A	752	2263	40	12.00	49	85	20.76	1.67	12.76	1.98	100	100	0.00	6.56
	2	(untitled)	5	771-1	A	586	2263	40	23.12	39	131	20.38	1.46	19.66	3.48	100	100	0.00	5.29
	3	(untitled)	5	771-1	A	846	2263	40	18.25	55	63	25.74	6.10	80.92	14.90	100	100	0.00	30.83
Fff	1	(untitled)	5			543	1900	60	0.00	29	215	33.47	0.38	0.00	0.06	100	100	0.00	0.81
	2	(untitled)	5			369	1900	60	0.00	19	363	33.28	0.23	0.00	0.02	100	100	0.00	0.33
G	1	(untitled)	2	769-2	F	294 <	2050	13	5.41	100	-10	382.04	36.60	42.83	33.48+	100	100	0.00	445.27
	2	(untitled)	2	769-2	F	217	2050	13	7.44	47	92	51.85	40.47	11.42	3.83	100	100	0.00	42.58
Gf	1	(untitled)	4			290 <	2050	60	51.53	100	-10	150.02	14.69	23.14	14.94+	100	100	0.00	189.53
	2	(untitled)	4			191	2050	60	49.00	9	866	3.09	0.09	0.15	2.32	100	100	0.00	0.08
xA	1	(untitled)	10			898	2263	60	19.84	41	120	17.98	0.76	7.99	2.54	100	100	0.00	4.99
	2	(untitled)	10			641	2263	60	34.00	28	218	17.56	0.31	0.00	0.06	100	100	0.00	0.80
xB	1	(untitled)				1760	Unrestricted	60	0.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	1	(untitled)				703 <	1900	60	37.80	100	-10	129.97	12.13	14.02	30.54+	100	100	0.00	368.25
	2	(untitled)				597	1900	60	41.18	79	14	23.15	14.46	69.02	6.24	100	100	0.00	47.26
xD	1	(untitled)				1137	Unrestricted	60	12.00	0	Unrestricted	9.13	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				606	Unrestricted	60	16.00	0	Unrestricted	9.21	0.00	0.00	0.00	100	100	0.00	0.00
xE	1	(untitled)				949	Unrestricted	60	12.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				401	Unrestricted	60	19.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00

xF	1	(untitled)				740	Unrestricted	60	0.00	0	Unrestricted	12.19	0.00	0.00	0.00	100	100	0.00	0.00
Cc 1	1	(untitled)	2	769-2	E	790	2050	32	5.82	74	21	22.44	15.91	79.73	12.07	100	100	0.00	74.40
E1	1	(untitled)	4	770-3	G	297	2050	14	6.00	58	55	42.25	36.25	107.62	5.34	100	100	0.00	52.76
	2	(untitled)	4	770-3	G	537 <	2200	14	0.00	98	-8	130.09	124.09	224.26	22.32+	100	100	0.00	301.77
Gf 1	1	(untitled)	4			30	694	60	57.19	5	1617	9.20	5.50	79.39	0.49	100	100	0.00	1.42
Cc 2	2	(untitled)	2	769-2	D	1049 <	2150	33	1.21	89	1	30.28	23.59	90.81	16.21+	100	100	0.00	131.55
	3	(untitled)	2	769-2	D	717	2050	33	3.00	62	46	19.09	12.05	82.39	11.74	100	100	0.00	52.39
	4	(untitled)	2	769-2	D	1119 <	2150	33	0.01	92	-2	31.82	25.28	92.36	18.14+	100	100	0.00	147.94
	5	(untitled)	2	769-2	D	243	2050	33	26.00	21	331	21.15	13.17	105.48	4.21	100	100	0.00	18.31
E2	3	(untitled)	4	770-3	H	290 <	2150	14	6.91	100	-10	178.43	174.43	214.64	15.00+	100	100	0.00	219.36
	4	(untitled)	4	770-3	H	191	2050	14	4.00	37	142	33.20	29.12	69.02	2.43	100	100	0.00	26.16
TC5	2	(untitled)	TC771-6	TC777-1	A	722	2263	38	11.00	48	88	6.47	3.71	23.98	2.89	100	100	0.00	12.73
	3	(untitled)	TC771-6	TC777-1	A	641	2263	38	19.00	43	112	3.95	1.19	4.58	0.49	100	100	0.00	3.38
	4	(untitled)	TC771-6	TC777-1	C	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC9	1	(untitled)	TC771-6	TC777-1	B	1206 <	1925	39	0.00	89	1	28.94	17.94	79.62	17.12+	100	100	0.00	97.37
	2	(untitled)	TC771-6	TC777-1	B	814	1966	39	0.00	59	52	17.55	6.50	45.90	6.51	100	100	0.00	25.55
	3	(untitled)	TC771-6	TC777-1	B	461	1947	39	0.00	34	166	15.34	4.22	34.50	2.99	100	100	0.00	9.67
TC35	1	(untitled)	TC771-6	TC777-1	A	176	1900	38	11.00	14	548	7.51	4.61	37.27	1.46	100	100	0.00	4.02
TC36	1	(untitled)	TC771-6			433	1800	60	0.00	24	274	3.34	0.32	0.00	0.04	100	100	0.00	0.54
TC37	1	(untitled)	TC771-6	TC777-2	J	78	1850	45	0.00	5	1537	5.01	1.82	23.46	0.30	100	100	0.00	1.20
TC38	1	(untitled)	TC771-6			78	450	60	14.00	17	419	4.65	3.12	37.49	2.43	100	100	0.00	1.98
TC39	2	(untitled)	TC771-6			722	2263	60	31.00	32	182	2.91	0.37	0.00	0.07	100	100	0.00	1.06
	3	(untitled)	TC771-6			641	2263	60	39.00	28	218	2.71	0.31	0.00	0.06	100	100	0.00	0.80
TC40	2	(untitled)	TC771-6			800	Unrestricted	60	14.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC771-6			641	Unrestricted	60	29.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00

TC41	1	(untitled)	TC771-6	TC771-6	D	355 <	1850	11	0.00	96	-6	87.79	83.86	165.62	11.15+	100	100	0.00	137.91
TC42	1	(untitled)	TC771-6	TC771-6	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC43	1	(untitled)				0	1800	60	60.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	100	0.00	0.00
47	1	(untitled)	2			1300	1300	60	0.00	100	-10	64.61	48.58	0.00	17.54	100	100	0.00	249.09
48	1	(untitled)	2			1074	1965	60	0.00	55	65	7.72	1.10	0.00	0.33	100	100	0.00	4.67
49	1	(untitled)	TC771-6			1206	1900	60	0.00	63	42	4.79	1.64	0.00	0.55	100	100	0.00	7.80
	2	(untitled)	TC771-6			1275	1900	60	0.00	67	34	5.07	1.92	0.00	0.68	100	100	0.00	9.68
50	1	(untitled)	1			1364 <	1900	60	19.96	108	-16	155.46	149.69	245.38	74.20+	100	100	0.00	844.35
51	1	(untitled)	4-2			912	1900	60	0.00	48	88	5.37	0.87	0.00	0.22	100	100	0.00	3.14

Pedestrian Crossing Results

Pedestrian	Side	Name	Traffic node	SIGNALS		FLOWS		PERFORMANCE			PER PED		QUES	WEIGHTS	PENALTIES	P.I.
				Controller stream	Phase	Calculated Flow Entering (Ped/hr)	Calculated sat flow (Ped/hr)	Actual green (s per cycle)	Degree of saturation (%)	Practical reserve capacity	Journey Time (s)	Mean Delay per Ped (s)	Mean max queue (Ped)	Delay weighting (%)	Cost of traffic penalties (£ per hr)	P.I.
1	1	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
2	1	(untitled)	3	770-1	C	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3	770-1	C	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
3	1	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
4	1	(untitled)	4	770-3	J	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	J	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	1	(untitled)	4	770-3	I	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	I	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
6	1	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
7	1	(untitled)	5	771-1	C	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
8	1	(untitled)	1	769-1	C	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

	2	(untitled)	1	769-1	C	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
9	1	(untitled)	2	769-2	J	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	J	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
10	1	(untitled)	2	769-2	K	0	11000	15	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	K	0	11000	15	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	1	(untitled)		769-2	H	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	1	(untitled)	2	769-2	I	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
13	1	(untitled)		TC777-1	I	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	I	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
14	1	(untitled)		TC777-1	F	0	11000	39	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	F	0	11000	39	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
15	1	(untitled)		TC777-1	G	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	G	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
16	1	(untitled)		TC777-1	H	0	11000	9	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	H	0	11000	9	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
17	1	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

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	6521.76	715.82	9.11	547.62	7776.24	918.69	0.00	8694.93
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	6521.76	715.82	9.11	547.62	7776.24	918.69	0.00	8694.93

- < = 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**