

TRANSYT 16

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Filename: M62 JN 28 CRF Scheme_Mar 20_PF_Sept 20_RevD.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Base
Report generation date: 10/01/2021 09:42:49

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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 2019 [Locked] - AM 2019					
Network	A1 D1	120	2591.48	145.81	99% (TS D/3)	4 (3%)

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

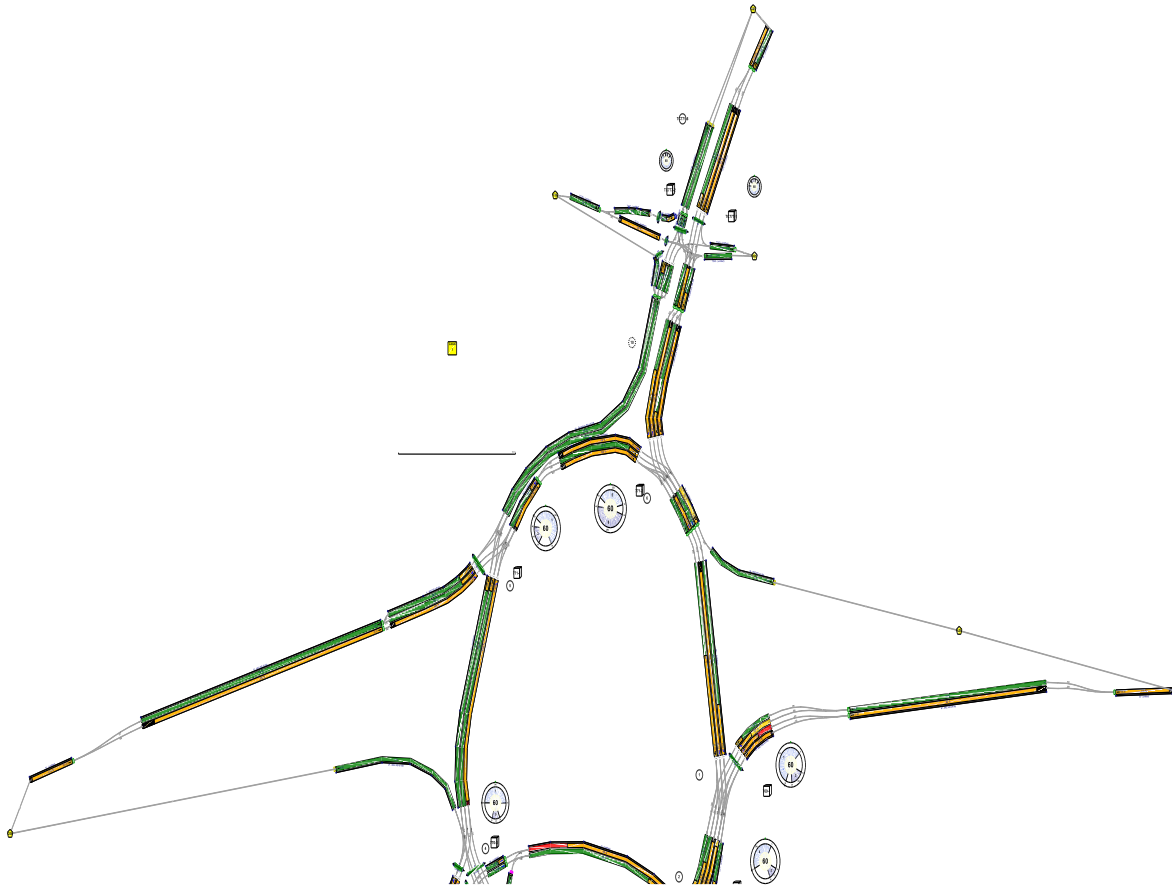
Sorting

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



A1 - AM Base 2019 [Locked]

D1 - AM 2019, [Locked]

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	326	326

	2	181	181
	3	295	295
	4	220	220
Ac	1	983	983
	2	169	169
	3	279	279
Acf	1	1152	1152
	2	279	279
Af	1	507	507
	2	295	295
	3	220	220
B	1	275	275
	2	381	381
	3	465	465
	4	498	498
Bc	1	386	386
	2	462	462
	3	296	296
Bcf	1	1309	1309
	2	386	386
	3	462	462
	4	296	296
Bf	1	656	656
	2	963	963
C	1	464	464
	2	540	540
	3	366	366
Cf	1	464	464
	2	906	906
D	1	365	365
	2	620	620
	3	728	728
Dc	1	850	850
	2	732	732
	3	532	532
	4	864	864
Dcf	1	566	566
	2	1071	1071
	3	732	732
	4	532	532
	5	864	864
Df	1	985	985
	2	728	728
Dxp	1	566	566
	2	222	222
Ec	1	580	580
	2	1085	1085
	3	1127	1127
	4	504	504
Ecf	1	1009	1009
	2	938	938
	3	1085	1085
	4	1659	1659
Ef	1	805	805
	2	449	449

Exp	1	1009	1009
	2	358	358
F	1	261	261
	2	168	168
	3	209	209
Fc	1	1275	1275
	2	1171	1171
	3	1025	1025
Ff	1	429	429
	2	209	209
G	1	317	317
	2	160	160
Gf	1	314	314
	2	135	135
xA	1	1303	1303
	2	1375	1375
xB	1	1309	1309
xC	1	523	523
	2	323	323
xD	1	566	566
	2	222	222
xE	1	1009	1009
	2	358	358
xF	1	630	630
Cc1	1	368	368
E1	1	284	284
	2	521	521
Gf1	1	28	28
Cc2	2	502	502
	3	647	647
	4	749	749
	5	498	498
E2	3	314	314
	4	135	135
TC5	2	1098	1098
	3	1375	1375
	4	0	0
TC9	1	491	491
	2	288	288
	3	215	215
TC35	1	205	205
TC36	1	41	41
TC37	1	13	13
TC38	1	13	13
TC39	2	1098	1098
	3	1375	1375
TC40	2	1111	1111
	3	1375	1375
TC41	1	28	28
TC42	1	0	0
TC43	1	0	0
47	1	845	845
48	1	1370	1370
49	1	491	491
	2	503	503

50	1	1619	1619
51	1	638	638

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	470
	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	159
	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	451
	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	35
	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	206
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	50
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	161
	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	3
	91	I2	C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	21
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	29
	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	25
	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	229
	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	362
	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	83	

107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	23
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	13
113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	8
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	1
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	1
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	1
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	1
130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	83
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	4
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	4
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	1
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	3
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	314
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	7
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	252

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	120
161		B28	F28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	23
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	34
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	64
167		B28	E28	48/1, Cf/1, C/1, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	391
168		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal	318
169		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	57
170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	57
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	41
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	114
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	23
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	262
195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	166
196		D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	42
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	83
200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	83
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	90
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	4
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	498
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	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	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	64
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	35
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	1
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	1
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 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	326	2050	36	649	50	79	14.42	4.90	37.84	20.01	
		2	(untitled)	E	181	2050	36	649	28	223	11.67	2.54	18.99	17.43	
		3	(untitled)	E	296	2050	36	649	46	97	14.31	4.89	35.79	20.21	
		4	(untitled)	E	220	2050	36	649	34	166	12.88	2.92	20.90	18.91	
	Ac	1	(untitled)	D	983	2263	64	1245	79	14	12.18	6.38	38.29	19.36	
		2	(untitled)	D	170	2263	64	1195	14	532	1.60	2.12	13.21	11.10	
		3	(untitled)	D	280	2263	64	1245	22	300	1.66	3.00	19.62	8.26	
	Acf	1	(untitled)			1153	2263	120	2263	51	77	0.83	0.26	2.18	6.04
		2	(untitled)			280	2263	120	2263	12	627	0.11	0.01	0.07	7.36
	Af	1	(untitled)			507	2050	120	2050	25	264	0.29	0.04	0.44	6.71
		2	(untitled)			296	2050	120	2050	14	523	0.15	0.01	0.13	6.53
		3	(untitled)			220	2050	120	2050	11	739	0.11	0.01	0.07	6.47
	B	1	(untitled)	B	275	2050	38	683	40	124	17.18	3.34	20.31	24.28	
		2	(untitled)	B	381	2150	38	710	54	68	19.21	5.06	29.91	26.50	
		3	(untitled)	B	465	2100	38	691	67	34	22.55	6.44	37.12	30.03	
		4	(untitled)	B	498	2050	38	683	73	23	24.57	7.64	42.89	36.86	
	Bc	1	(untitled)	A	387	2050	58	1025	38	138	3.57	2.05	8.86	15.53	
		2	(untitled)	A	464	2050	58	1025	45	99	5.56	2.12	9.27	17.39	
		3	(untitled)	A	296	2050	58	1025	29	212	2.83	0.42	1.84	14.54	
	Bcf	1	(untitled)			1309	2263	120	2263	58	56	1.09	0.40	3.63	5.23
		2	(untitled)			387	2263	120	2263	17	426	0.16	0.02	0.16	5.41
		3	(untitled)			464	2263	120	2263	21	339	0.21	0.03	0.24	5.84
		4	(untitled)			296	2263	120	2263	13	588	0.12	0.01	0.09	6.03
	Bf	1	(untitled)			656	1800	120	1800	36	147	0.57	0.10	0.26	27.91
		2	(untitled)			963	1800	120	1800	53	68	1.15	0.31	0.77	28.56
	C	1	(untitled)	G	464	2100	30	560	83	9	35.49	8.62	40.94	50.03	
		2	(untitled)	G	540	2200	30	587	92	-2	50.58	12.51	58.79	65.26	

	3	(untitled)	G	366	2050	30	547	67	34	26.38	5.75	26.60	41.30
Cf	1	(untitled)		464	1965	120	1965	24	281	0.28	0.04	0.15	17.64
	2	(untitled)		906	1965	120	1965	46	95	0.78	0.20	0.78	18.29
D	1	(untitled)	B	365	2050	40	718	51	77	18.02	4.42	46.20	22.14
	2	(untitled)	B	620	1850	40	648	96	-6	59.01	14.98	156.62	63.13
	3	(untitled)	B	728	2250	40	738	99	-9	69.36	17.64	191.81	73.32
Dc	1	(untitled)	A	850	2100	60	1085	78	15	13.93	8.15	92.50	17.73
	2	(untitled)	A	733	2100	60	1085	68	33	11.82	7.47	88.17	15.47
	3	(untitled)	A	532	2100	60	893	60	51	6.95	3.33	40.91	10.46
	4	(untitled)	A	864	2100	60	962	90	0	23.92	9.99	128.12	27.28
Dcf	1	(untitled)		566	2050	120	2050	28	226	0.33	0.05	0.46	5.28
	2	(untitled)		1072	2100	120	1768	61	48	4.10	8.32	72.54	9.05
	3	(untitled)		733	2100	120	1731	42	113	1.28	2.38	19.96	6.76
	4	(untitled)		532	2100	120	2100	25	255	0.29	0.04	0.37	7.49
	5	(untitled)		864	2100	120	1761	49	83	4.58	9.72	83.57	9.60
Df	1	(untitled)		985	1900	120	1900	52	74	1.02	0.28	0.80	25.02
	2	(untitled)		728	2250	120	1583	46	96	3.84	5.45	15.68	27.84
Dxp	1	(untitled)	D	566	2050	101	1743	32	177	0.94	1.13	13.93	4.43
	2	(untitled)	D	222	2050	101	1743	13	606	0.33	0.16	1.92	3.98
Ec	1	(untitled)	F	580	2150	70	1290	45	100	6.72	3.65	41.89	10.48
	2	(untitled)	F	1085	2263	70	1358	80	13	11.85	8.50	100.86	15.48
	3	(untitled)	F	1127	2263	70	1358	83	8	9.41	6.33	77.79	12.92
	4	(untitled)	F	504	2250	70	1350	37	141	13.61	7.01	87.81	17.06
Ecf	1	(untitled)		1009	2100	120	2094	48	87	0.83	4.87	61.01	4.27
	2	(untitled)		939	2100	120	2100	45	101	0.69	0.18	2.24	4.17
	3	(untitled)		1085	2263	120	1669	65	38	5.95	6.74	82.63	9.47
	4	(untitled)		1659	2300	120	1938	86	5	6.89	8.27	94.44	10.76
Ef	1	(untitled)		805	1900	120	1900	42	112	0.70	0.16	0.70	16.00
	2	(untitled)		449	1900	120	1900	24	281	0.29	0.04	0.16	15.60
Exp	1	(untitled)	L	1009	2050	100	1725	58	54	2.77	5.10	56.59	6.65
	2	(untitled)	L	359	2050	100	1725	21	333	0.28	2.35	25.12	4.31
F	1	(untitled)	B	261	2100	20	385	68	33	32.48	4.40	29.69	38.86

	2	(untitled)	B	169	2100	20	385	44	105	25.42	2.59	17.35	31.85
	3	(untitled)	B	210	2100	20	385	55	65	27.81	3.30	21.74	34.35
Fc	1	(untitled)	A	1275	2263	80	1546	82	9	6.02	4.75	14.92	25.13
	2	(untitled)	A	1171	2263	80	1384	85	6	10.95	14.07	44.57	29.68
	3	(untitled)	A	1025	2263	80	1529	67	34	6.42	18.48	58.93	25.84
Ff	1	(untitled)		430	1900	120	1900	23	298	0.28	0.03	0.07	33.36
	2	(untitled)		210	1900	120	1900	11	714	0.12	0.01	0.01	33.16
G	1	(untitled)	F	317	2050	28	488	65	38	43.77	7.36	27.24	59.75
	2	(untitled)	F	160	2050	28	500	32	181	40.92	2.74	10.39	52.31
Gf	1	(untitled)		314	2050	120	2049	15	487	0.17	4.65	66.08	3.21
	2	(untitled)		135	2050	120	2050	7	1267	0.06	0.00	0.03	3.07
xA	1	(untitled)		1303	2263	120	2207	59	52	1.37	3.58	8.96	18.60
	2	(untitled)		1375	2263	120	2256	61	48	1.25	2.79	6.98	18.50
xB	1	(untitled)		1309	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	1	(untitled)		523	1900	120	1246	42	114	6.12	9.44	46.95	14.79
	2	(untitled)		323	1900	120	1379	23	284	2.97	4.70	23.32	11.67
xD	1	(untitled)		566	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
	2	(untitled)		222	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
xE	1	(untitled)		1009	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		359	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	1	(untitled)		630	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
Cc1	1	(untitled)	E	369	2050	64	1128	33	175	7.81	2.60	15.62	14.48
E1	1	(untitled)	G	284	2050	28	513	55	62	23.93	4.05	29.11	29.93
	2	(untitled)	G	521	2200	28	550	95	-5	62.32	13.41	96.39	68.32
Gf1	1	(untitled)		28	706	120	706	4	2170	0.40	0.08	0.99	4.09
Cc2	2	(untitled)	D	502	2150	66	1202	42	115	11.10	4.84	30.39	18.18
	3	(untitled)	D	647	2050	66	1162	56	62	13.78	10.97	70.66	21.23
	4	(untitled)	D	750	2150	66	1134	66	36	14.72	12.08	78.07	21.71
	5	(untitled)	D	498	2050	66	1162	43	110	16.84	9.86	63.94	24.82
E2	3	(untitled)	H	314	2150	28	524	60	50	25.01	4.54	49.03	29.01
	4	(untitled)	H	135	2050	28	513	26	242	19.34	2.37	25.04	23.41
TC5	2	(untitled)	A	1098	2263	101	1942	57	59	2.15	3.23	80.76	4.92

		3	(untitled)	A	1375	2263	101	1942	71	27	2.46	2.54	63.52	5.22	
		4	(untitled)	C	0	1800	11	180	0	Unrestricted	0.00	0.00	0.00	0.00	
	TC9		1	(untitled)	B	491	1925	86	1428	34	162	6.04	5.17	32.39	17.04
			2	(untitled)	B	289	1966	86	1458	20	354	5.00	2.67	16.69	16.06
			3	(untitled)	B	215	1947	86	1444	15	504	4.72	1.98	12.31	15.85
	TC35	1	(untitled)	A	205	1900	101	1631	13	616	1.27	1.46	34.71	4.17	
	TC36	1	(untitled)		41	1800	120	1800	2	3851	0.02	0.00	0.01	3.05	
	TC37	1	(untitled)	J	13	1850	105	1634	1	11213	0.88	0.05	0.66	4.07	
	TC38	1	(untitled)		13	257	120	257	5	1678	6.71	2.42	65.18	8.24	
	TC39		2	(untitled)		1098	2263	120	2263	49	85	0.75	0.23	3.73	3.29
			3	(untitled)		1375	2263	120	2263	61	48	1.23	0.47	8.11	3.63
	TC40		2	(untitled)		1111	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
			3	(untitled)		1375	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	28	1850	8	139	20	346	55.45	2.44	25.69	59.38	
	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)		846	1300	120	1300	65	38	2.57	0.60	2.59	18.60	
	48	1	(untitled)		1370	1965	120	1965	70	29	2.10	0.80	8.33	8.71	
	49		1	(untitled)		491	1900	120	1900	26	248	0.33	0.05	0.99	3.48
			2	(untitled)		504	1900	120	1900	27	239	0.34	0.05	1.05	3.49
50	1	(untitled)		1619	1900	120	1900	85	6	5.33	2.40	28.65	11.11		
51	1	(untitled)		640	1900	120	1900	34	167	0.48	0.09	1.31	4.98		

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	118.4	109.3	134.7	137.1	175.5	206.0	0.0	
	B28	202.6	0.0	98.5	140.8	134.0	182.0	189.7	0.0	
	C28	194.1	199.3	0.0	83.9	77.3	164.4	178.6	0.0	
	D28	106.3	154.3	155.6	0.0	185.4	104.1	113.4	0.0	
	E28	141.1	138.8	190.2	58.1	0.0	98.9	108.0	0.0	
	F28	110.4	152.9	147.4	164.6	168.9	0.0	19.6	0.0	

	G28	58.6	99.3	94.6	109.3	118.3	153.9	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 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	470	194.34	834.67	0.00	0.00	0.00	470	194.34	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	159	77.26	526.66	0.00	0.00	0.00	159	77.26	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	451	142.33	693.05	0.00	0.00	0.00	451	142.33	693.05
42	E28	C28	35	186.61	1065.88	0.00	0.00	0.00	35	186.61	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	206	83.92	514.00	0.00	0.00	0.00	206	83.92	514.00
50	E28	D28	50	58.12	370.08	0.00	0.00	0.00	50	58.12	370.08
68	E28	G28	161	107.38	737.43	0.00	0.00	0.00	161	107.38	737.43
86	F28	D28	3	160.63	871.13	0.00	0.00	0.00	3	160.63	871.13
91	C28	F28	21	164.43	787.40	0.00	0.00	0.00	21	164.43	787.40
92	E28	F28	29	98.86	644.57	0.00	0.00	0.00	29	98.86	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	25	197.97	753.91	0.00	0.00	0.00	25	197.97	753.91
100	E28	B28	135	127.40	623.35	0.00	0.00	0.00	135	127.40	623.35
101	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
102	A28	C28	229	107.38	696.48	0.00	0.00	0.00	229	107.38	696.48
103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
104	C28	G28	362	172.86	880.25	0.00	0.00	0.00	362	172.86	880.25
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
106	G28	C28	83	91.73	769.84	0.00	0.00	0.00	83	91.73	769.84
107	A28	B28	23	117.60	716.08	0.00	0.00	0.00	23	117.60	716.08
108	B28	G28	332	189.38	1057.75	0.00	0.00	0.00	332	189.38	1057.75
109	C28	G28	230	190.72	873.55	0.00	0.00	0.00	230	190.72	873.55
110	E28	G28	22	112.16	731.08	0.00	0.00	0.00	22	112.16	731.08
111	B28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
112	F28	G28	13	19.60	149.60	0.00	0.00	0.00	13	19.60	149.60
113	F28	A28	8	110.41	347.74	0.00	0.00	0.00	8	110.41	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	99.36	558.16	0.00	0.00	0.00	9	99.36	558.16
116	F28	C28	1	144.16	731.34	0.00	0.00	0.00	1	144.16	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	1	171.62	882.77	0.00	0.00	0.00	1	171.62	882.77
120	F28	E28	1	160.89	886.05	0.00	0.00	0.00	1	160.89	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	1	143.02	732.12	0.00	0.00	0.00	1	143.02	732.12
130	G28	C28	83	101.02	770.24	0.00	0.00	0.00	83	101.02	770.24
131	G28	E28	123	120.83	921.19	0.00	0.00	0.00	123	120.83	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	4	187.09	1229.52	0.00	0.00	0.00	4	187.09	1229.52
140	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
141	D28	E28	4	183.76	1232.51	0.00	0.00	0.00	4	183.76	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	1	174.41	882.69	0.00	0.00	0.00	1	174.41	882.69
148	F28	D28	3	168.55	870.77	0.00	0.00	0.00	3	168.55	870.77
149	C28	B28	3	210.01	757.09	0.00	0.00	0.00	3	210.01	757.09
150	E28	B28	314	143.72	625.89	0.00	0.00	0.00	314	143.72	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	7	152.86	751.33	0.00	0.00	0.00	7	152.86	751.33
154	E28	A28	18	110.40	694.21	0.00	0.00	0.00	18	110.40	694.21
155	E28	C28	4	157.05	1072.77	0.00	0.00	0.00	4	157.05	1072.77
156	C28	G28	60	180.13	875.68	0.00	0.00	0.00	60	180.13	875.68
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	B28	D28	252	140.81	699.67	0.00	0.00	0.00	252	140.81	699.67
159	B28	E28	145	141.07	714.59	0.00	0.00	0.00	145	141.07	714.59
160	B28	G28	120	190.44	1062.09	0.00	0.00	0.00	120	190.44	1062.09
161	B28	F28	23	182.02	969.24	0.00	0.00	0.00	23	182.02	969.24
162	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
163	B28	A28	34	202.62	1018.87	0.00	0.00	0.00	34	202.62	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	64	98.41	555.13	0.00	0.00	0.00	64	98.41	555.13
167	B28	E28	391	131.42	709.11	0.00	0.00	0.00	391	131.42	709.11
168	G28	A28	318	58.58	385.83	0.00	0.00	0.00	318	58.58	385.83
169	G28	B28	57	99.69	789.43	0.00	0.00	0.00	57	99.69	789.43
170	G28	B28	57	98.95	789.81	0.00	0.00	0.00	57	98.95	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	41	118.46	921.85	0.00	0.00	0.00	41	118.46	921.85
177	G28	D28	114	109.29	910.21	0.00	0.00	0.00	114	109.29	910.21
178	G28	E28	34	109.14	925.13	0.00	0.00	0.00	34	109.14	925.13
181	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
185	A28	B28	23	119.25	715.70	0.00	0.00	0.00	23	119.25	715.70
186	A28	C28	49	118.44	699.40	0.00	0.00	0.00	49	118.44	699.40
187	A28	E28	262	139.15	850.36	0.00	0.00	0.00	262	139.15	850.36
195	D28	G28	166	113.27	744.99	0.00	0.00	0.00	166	113.27	744.99
196	D28	F28	42	104.11	652.14	0.00	0.00	0.00	42	104.11	652.14
197	D28	G28	53	113.80	740.41	0.00	0.00	0.00	53	113.80	740.41
198	D28	A28	3	106.33	704.14	0.00	0.00	0.00	3	106.33	704.14

199	D28	B28	83	154.85	1101.91	0.00	0.00	0.00	83	154.85	1101.91
200	D28	B28	83	153.58	1102.29	0.00	0.00	0.00	83	153.58	1102.29
201	D28	C28	90	153.91	1078.16	0.00	0.00	0.00	90	153.91	1078.16
204	D28	C28	45	158.94	1077.09	0.00	0.00	0.00	45	158.94	1077.09
205	D28	E28	27	186.14	1228.05	0.00	0.00	0.00	27	186.14	1228.05
206	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
207	D28	E28	4	179.97	1231.32	0.00	0.00	0.00	4	179.97	1231.32
210	A28	G28	498	219.21	1200.07	0.00	0.00	0.00	498	219.21	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	133.21	856.77	0.00	0.00	0.00	102	133.21	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	153.93	1179.78	0.00	0.00	0.00	26	153.93	1179.78
218	A28	G28	289	183.92	1204.28	0.00	0.00	0.00	289	183.92	1204.28
219	A28	F28	64	175.50	1111.43	0.00	0.00	0.00	64	175.50	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	134.73	838.43	0.00	0.00	0.00	2	134.73	838.43
223	A28	E28	68	135.00	853.35	0.00	0.00	0.00	68	135.00	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	185.17	1199.70	0.00	0.00	0.00	10	185.17	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	174.11	875.67	0.00	0.00	0.00	170	174.11	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	154.87	1099.55	0.00	0.00	0.00	36	154.87	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	89.67	770.21	0.00	0.00	0.00	59	89.67	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	35	197.57	1066.29	0.00	0.00	0.00	35	197.57	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	1	155.08	731.74	0.00	0.00	0.00	1	155.08	731.74
253	F28	E28	1	168.80	885.69	0.00	0.00	0.00	1	168.80	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	179.51	838.81	0.00	0.00	0.00	7	179.51	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	Controller stream	Phase	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual greens (s per cycle)	Wasted time total (s per cycle)	Degree of saturation (%)	Practical reserve capacity (%)	Journey Time (s)	Mean Delay per Veh (s)	Mean stops per Veh (%)	Mean max queue (PCU)	Delay weighting multiplier (%)	Stop weighting multiplier (%)	Cost of traffic penalties (£ per hr)	P.I.
A	1	(untitled)	6	771-2	E	326	2050	36	0.00	50	79	20.01	14.42	76.51	4.90	100	100	0.00	26.55
	2	(untitled)	6	771-2	E	181	2050	36	0.00	28	223	17.43	11.67	70.07	2.54	100	100	0.00	12.40
	3	(untitled)	6	771-2	E	296	2050	36	0.00	46	97	20.21	14.31	76.48	4.89	100	100	0.00	23.98
	4	(untitled)	6	771-2	E	220	2050	36	0.00	34	166	18.91	12.88	75.67	2.92	100	100	0.00	16.52
Ac	1	(untitled)	6	771-2	D	983	2263	64	10.00	79	14	19.36	12.18	36.16	6.38	100	100	0.00	58.62
	2	(untitled)	6	771-2	D	170	2263	64	44.66	14	532	11.10	1.60	39.34	2.12	100	100	0.00	2.22
	3	(untitled)	6	771-2	D	280	2263	64	18.00	22	300	8.26	1.66	39.62	3.00	100	100	0.00	5.40
Ac f	1	(untitled)	6			1153	2263	120	32.00	51	77	6.04	0.83	0.00	0.26	100	100	0.00	3.75
	2	(untitled)	6			280	2263	120	68.00	12	627	7.36	0.11	0.00	0.01	100	100	0.00	0.12
Af	1	(untitled)	6			507	2050	120	29.00	25	264	6.71	0.29	0.00	0.04	100	100	0.00	0.58
	2	(untitled)	6			296	2050	120	29.00	14	523	6.53	0.15	0.00	0.01	100	100	0.00	0.17
	3	(untitled)	6			220	2050	120	29.00	11	739	6.47	0.11	0.00	0.01	100	100	0.00	0.09
B	1	(untitled)	1	769-1	B	275	2050	38	0.00	40	124	24.28	17.18	72.91	3.34	100	100	0.00	25.07
	2	(untitled)	1	769-1	B	381	2150	38	0.37	54	68	26.50	19.21	76.49	5.06	100	100	0.00	38.23
	3	(untitled)	1	769-1	B	465	2100	38	0.52	67	34	30.03	22.55	82.73	6.44	100	100	0.00	53.71
	4	(untitled)	1	769-1	B	498	2050	38	0.00	73	23	36.86	24.57	91.71	7.64	100	100	0.00	53.98
Bc	1	(untitled)	1	769-1	A	387	2050	58	10.00	38	138	15.53	3.57	10.85	2.05	100	100	0.00	6.38
	2	(untitled)	1	769-1	A	464	2050	58	8.00	45	99	17.39	5.56	23.43	2.12	100	100	0.00	12.60
	3	(untitled)	1	769-1	A	296	2050	58	12.00	29	212	14.54	2.83	8.41	0.42	100	100	0.00	3.86
Bc f	1	(untitled)	1			1309	2263	120	26.00	58	56	5.23	1.09	0.00	0.40	100	100	0.00	5.62

	2	(untitled)	1			387	2263	120	58.00	17	426	5.41	0.16	0.00	0.02	100	100	0.00	0.25
	3	(untitled)	1			464	2263	120	34.00	21	339	5.84	0.21	0.00	0.03	100	100	0.00	0.38
	4	(untitled)	1			296	2263	120	64.00	13	588	6.03	0.12	0.00	0.01	100	100	0.00	0.14
Bf	1	(untitled)	1			656	1800	120	0.00	36	147	27.91	0.57	0.00	0.10	100	100	0.00	1.48
	2	(untitled)	1			963	1800	120	0.00	53	68	28.56	1.15	0.00	0.31	100	100	0.00	4.36
C	1	(untitled)	2	769-2	G	464	2100	30	0.00	83	9	50.03	35.49	11.00	8.62	100	100	0.00	71.36
	2	(untitled)	2	769-2	G	540	2200	30	0.00	92	-2	65.26	50.58	13.36	12.51	100	100	0.00	116.78
	3	(untitled)	2	769-2	G	366	2050	30	0.00	67	34	41.30	26.38	93.99	5.75	100	100	0.00	42.39
Cf	1	(untitled)	2			464	1965	120	0.00	24	281	17.64	0.28	0.00	0.04	100	100	0.00	0.52
	2	(untitled)	2			906	1965	120	0.00	46	95	18.29	0.78	0.00	0.20	100	100	0.00	2.80
D	1	(untitled)	3	770-1	B	365	2050	40	0.00	51	77	22.14	18.02	72.60	4.42	100	100	0.00	34.44
	2	(untitled)	3	770-1	B	620 <	1850	40	0.00	96	-6	63.13	59.01	13.44	14.98+	100	100	0.00	171.07
	3	(untitled)	3	770-1	B	728 <	2250	40	2.62	99	-9	73.32	69.36	12.85	17.64+	100	100	0.00	229.20
Dc	1	(untitled)	3	770-1	A	850	2100	60	0.01	78	15	17.73	13.93	57.35	8.15	100	100	0.00	62.34
	2	(untitled)	3	770-1	A	733	2100	60	0.00	68	33	15.47	11.82	60.80	7.47	100	100	0.00	48.48
	3	(untitled)	3	770-1	A	532	2100	60	26.95	60	51	10.46	6.95	55.21	3.33	100	100	0.00	24.02
	4	(untitled)	3	770-1	A	864 <	2100	60	11.04	90	0	27.28	23.92	76.45	9.99+	100	100	0.00	102.72
Dc f	1	(untitled)	3			566	2050	120	28.00	28	226	5.28	0.33	0.00	0.05	100	100	0.00	0.75
	2	(untitled)	3			1072	2100	120	44.99	61	48	9.05	4.10	33.25	8.32	100	100	0.00	28.79
	3	(untitled)	3			733	2100	120	43.08	42	113	6.76	1.28	11.41	2.38	100	100	0.00	6.22
	4	(untitled)	3			532	2100	120	52.00	25	255	7.49	0.29	0.00	0.04	100	100	0.00	0.61
	5	(untitled)	3			864	2100	120	59.36	49	83	9.60	4.58	37.23	9.72	100	100	0.00	25.93
Df	1	(untitled)	3-2			985	1900	120	0.00	52	74	25.02	1.02	0.00	0.28	100	100	0.00	3.96
	2	(untitled)	3-2			728	2250	120	35.56	46	96	27.84	3.84	38.33	5.45	100	100	0.00	14.54
Dx p	1	(untitled)	3-2	770-2	D	566	2050	101	20.00	32	177	4.43	0.94	5.34	1.13	100	100	0.00	3.06
	2	(untitled)	3-2	770-2	D	222	2050	101	36.00	13	606	3.98	0.33	1.95	0.16	100	100	0.00	0.43
Ec	1	(untitled)	4	770-3	F	580	2150	70	8.00	45	100	10.48	6.72	37.72	3.65	100	100	0.00	22.41
	2	(untitled)	4	770-3	F	1085 <	2263	70	14.00	80	13	15.48	11.85	46.77	8.50+	100	100	0.00	66.99
	3	(untitled)	4	770-3	F	1127	2263	70	2.00	83	8	12.92	9.41	33.40	6.33	100	100	0.00	53.94
	4	(untitled)	4	770-3	F	504	2250	70	30.00	37	141	17.06	13.61	83.38	7.01	100	100	0.00	40.55

Ecf	1	(untitled)	4			1009	2100	120	16.35	48	87	4.27	0.83	1.87	4.87	100	100	0.00	3.90
	2	(untitled)	4			939	2100	120	16.00	45	101	4.17	0.69	0.00	0.18	100	100	0.00	2.56
	3	(untitled)	4			1085	2263	120	55.52	65	38	9.47	5.95	36.48	6.74	100	100	0.00	38.19
	4	(untitled)	4			1659	2300	120	30.87	86	5	10.76	6.89	26.21	8.27	100	100	0.00	58.71
Eef	1	(untitled)	4			805	1900	120	0.00	42	112	16.00	0.70	0.00	0.16	100	100	0.00	2.21
	2	(untitled)	4			449	1900	120	0.00	24	281	15.60	0.29	0.00	0.04	100	100	0.00	0.52
Exp	1	(untitled)	4-2	770-4	L	1009	2050	100	13.00	58	54	6.65	2.77	12.63	5.10	100	100	0.00	15.11
	2	(untitled)	4-2	770-4	L	359	2050	100	57.00	21	333	4.31	0.28	0.76	2.35	100	100	0.00	0.48
F	1	(untitled)	5	771-1	B	261	2100	20	0.00	68	33	38.86	32.48	10.04	4.40	100	100	0.00	41.85
	2	(untitled)	5	771-1	B	169	2100	20	0.00	44	105	31.85	25.42	89.99	2.59	100	100	0.00	21.82
	3	(untitled)	5	771-1	B	210	2100	20	0.00	55	65	34.35	27.81	94.03	3.30	100	100	0.00	29.37
Fcf	1	(untitled)	5	771-1	A	1275	2263	80	6.00	82	9	25.13	6.02	22.03	4.75	100	100	0.00	34.95
	2	(untitled)	5	771-1	A	1171	2263	80	18.62	85	6	29.68	10.95	55.70	14.07	100	100	0.00	61.65
	3	(untitled)	5	771-1	A	1025	2263	80	16.90	67	34	25.84	6.42	70.46	18.48	100	100	0.00	37.24
Fff	1	(untitled)	5			430	1900	120	0.00	23	298	33.36	0.28	0.00	0.03	100	100	0.00	0.47
	2	(untitled)	5			210	1900	120	0.00	11	714	33.16	0.12	0.00	0.01	100	100	0.00	0.10
G	1	(untitled)	2	769-2	F	317	2050	28	11.46	65	38	59.75	43.77	11.56	7.36	100	100	0.00	60.98
	2	(untitled)	2	769-2	F	160	2050	28	18.73	32	181	52.31	40.92	11.02	2.74	100	100	0.00	31.49
Gf	1	(untitled)	4			314	2050	120	90.07	15	487	3.21	0.17	0.64	4.65	100	100	0.00	0.28
	2	(untitled)	4			135	2050	120	90.00	7	1267	3.07	0.06	0.00	0.00	100	100	0.00	0.03
xA	1	(untitled)	10			1303	2263	120	24.98	59	52	18.60	1.37	6.42	3.58	100	100	0.00	9.74
	2	(untitled)	10			1375	2263	120	34.39	61	48	18.50	1.25	1.51	2.79	100	100	0.00	7.47
xB	1	(untitled)				1309	Unrestricted	120	2.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	1	(untitled)				523	1900	120	84.28	42	114	14.79	6.12	61.41	9.44	100	100	0.00	22.94
	2	(untitled)				323	1900	120	91.89	23	284	11.67	2.97	46.17	4.70	100	100	0.00	8.57
xD	1	(untitled)				566	Unrestricted	120	18.00	0	Unrestricted	9.13	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				222	Unrestricted	120	40.00	0	Unrestricted	9.21	0.00	0.00	0.00	100	100	0.00	0.00
xE	1	(untitled)				1009	Unrestricted	120	13.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				359	Unrestricted	120	54.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	1	(untitled)				630	Unrestricted	120	6.00	0	Unrestricted	12.19	0.00	0.00	0.00	100	100	0.00	0.00
Cc1	1	(untitled)	2	769-2	E	369	2050	64	12.00	33	175	14.48	7.81	32.07	2.60	100	100	0.00	15.91

E1	1	(untitled)	4	770-3	G	284	2050	28	0.00	55	62	29.93	23.93	85.42	4.05	100	100	0.00	34.59
	2	(untitled)	4	770-3	G	521	2200	28	0.00	95	-5	68.32	62.32	143.39	13.41	100	100	0.00	15.205
Gf 1	1	(untitled)	4			28	706	120	90.00	4	2170	4.09	0.40	9.35	0.08	100	100	0.00	0.13
Cc 2	2	(untitled)	2	769-2	D	502	2150	66	8.93	42	115	18.18	11.10	58.64	4.84	100	100	0.00	31.47
	3	(untitled)	2	769-2	D	647	2050	66	8.00	56	62	21.23	13.78	80.73	10.97	100	100	0.00	49.51
	4	(untitled)	2	769-2	D	750	2150	66	12.73	66	36	21.71	14.72	83.81	12.08	100	100	0.00	63.23
	5	(untitled)	2	769-2	D	498	2050	66	38.00	43	110	24.82	16.84	104.53	9.86	100	100	0.00	44.69
E2	3	(untitled)	4	770-3	H	314	2150	28	0.74	60	50	29.01	25.01	86.62	4.54	100	100	0.00	39.71
	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
TC 5	2	(untitled)	TC 771-6	TC77 7-1	A	1098	2263	101	15.00	57	59	4.92	2.15	8.83	3.23	100	100	0.00	10.54
	3	(untitled)	TC 771-6	TC77 7-1	A	1375	2263	101	23.00	71	27	5.22	2.46	4.31	2.54	100	100	0.00	14.08
	4	(untitled)	TC 771-6	TC77 7-1	C	0	1800	11	12.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC 9	1	(untitled)	TC 771-6	TC77 7-1	B	491	1925	86	0.00	34	162	17.04	6.04	31.54	5.17	100	100	0.00	13.64
	2	(untitled)	TC 771-6	TC77 7-1	B	289	1966	86	0.00	20	354	16.06	5.00	27.75	2.67	100	100	0.00	6.71
	3	(untitled)	TC 771-6	TC77 7-1	B	215	1947	86	0.00	15	504	15.85	4.72	27.68	1.98	100	100	0.00	4.75
TC 35	1	(untitled)	TC 771-6	TC77 7-1	A	205	1900	101	26.00	13	616	4.17	1.27	10.38	1.46	100	100	0.00	1.30
TC 36	1	(untitled)	TC 771-6			41	1800	120	120.00	2	3851	3.05	0.02	0.00	0.00	100	100	0.00	0.00
TC 37	1	(untitled)	TC 771-6	TC77 7-2	J	13	1850	105	105.00	1	11213	4.07	0.88	11.67	0.05	100	100	0.00	0.10
TC 38	1	(untitled)	TC 771-6			13	257	120	46.00	5	1678	8.24	6.71	56.50	2.42	100	100	0.00	0.60
TC 39	2	(untitled)	TC 771-6			1098	2263	120	32.00	49	85	3.29	0.75	0.00	0.23	100	100	0.00	3.24
	3	(untitled)	TC 771-6			1375	2263	120	40.00	61	48	3.63	1.23	0.00	0.47	100	100	0.00	6.66
TC 40	2	(untitled)	TC 771-6			1111	Unrestricted	120	16.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC 771-6			1375	Unrestricted	120	17.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
TC 41	1	(untitled)	TC 771-6	TC77 7-1	D	28	1850	8	7.00	20	346	59.38	55.45	95.20	2.44	100	100	0.00	7.05
TC 42	1	(untitled)	TC 771-6	TC77 7-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00

TC 43	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			846	1300	120	14.00	65	38	18.60	2.57	0.00	0.60	100	100	0.00	8.56
48	1	(untitled)	2			1370	1965	120	0.00	70	29	8.71	2.10	0.00	0.80	100	100	0.00	11.34
49	1	(untitled)	TC 771-6			491	1900	120	0.00	26	248	3.48	0.33	0.00	0.05	100	100	0.00	0.64
	2	(untitled)	TC 771-6			504	1900	120	0.00	27	239	3.49	0.34	0.00	0.05	100	100	0.00	0.68
50	1	(untitled)	1			1619	1900	120	0.00	85	6	11.11	5.33	0.00	2.40	100	100	0.00	34.07
51	1	(untitled)	4-2			640	1900	120	0.00	34	167	4.98	0.48	0.00	0.09	100	100	0.00	1.21

Pedestrian Crossing Results

Pedestrian	Side	Name	Traffic node	SIGNALS		FLOWS		PERFORMANCE			PER PED		QUES	WEIG	PENAL	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 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	6294.07	309.05	20.37	145.81	2070.54	520.94	0.00	2591.48
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	6294.07	309.05	20.37	145.81	2070.54	520.94	0.00	2591.48

- <= 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_RevD.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Base
Report generation date: 10/01/2021 09:49:31

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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
	PM Base 2019 - PM 2019					
Network	A2 D2	60	2311.88	129.32	96% (TS 47/1)	2 (1%)

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

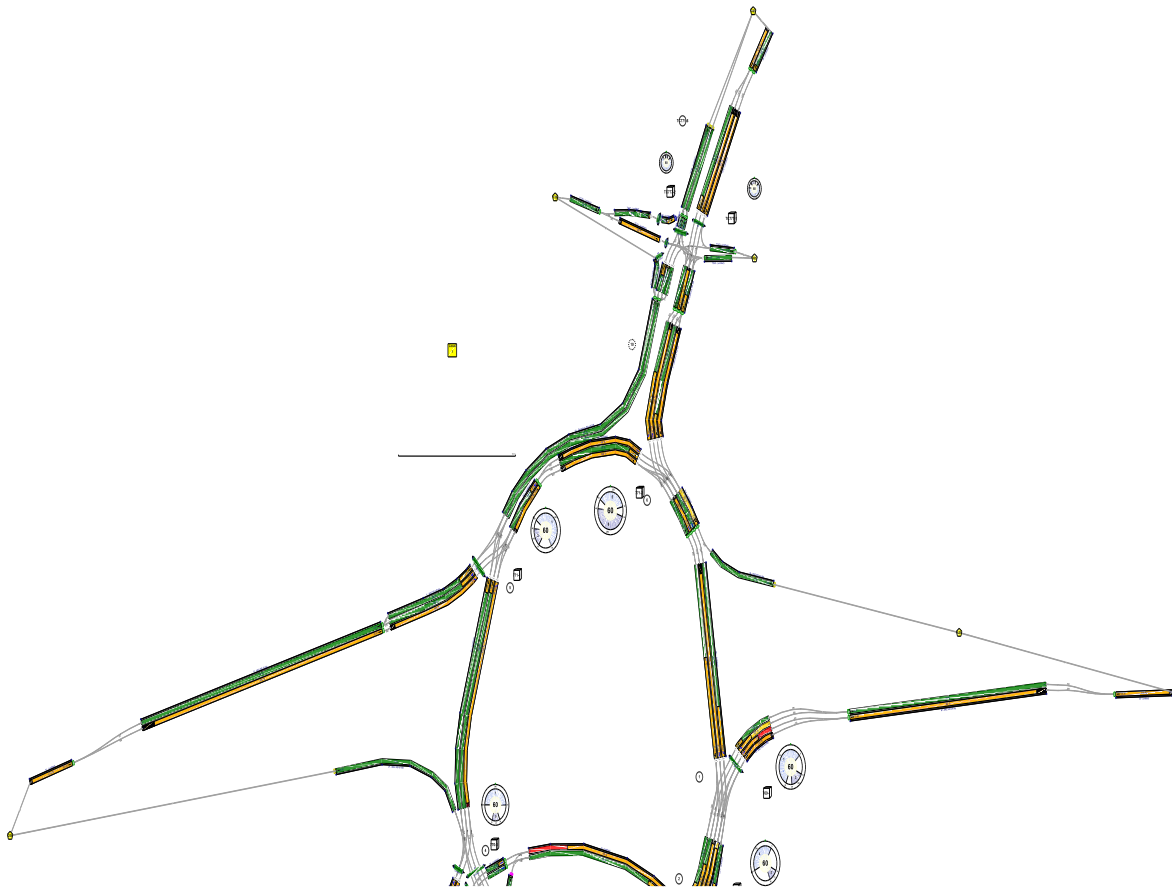
Sorting

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



A2 - PM Base 2019 D2 - PM 2019,

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
2	10/01/2021 09:46:38	10/01/2021 09:46:41	3.10	16:30	60	2311.88	129.32	95.62	47/1	2	1	TC5/4	47/1	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 2019			✓	D2		✓	

Demand Set Details

Scenario name	Time Period name	Description	Composite	Demand sets	Start time (HH:mm)	Locked	Run automatically
PM 2019		PM 2019			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	789	789
	2	344	344
	3	703	703
	4	478	478
Ac	1	718	718
	2	251	251
	3	415	415
Acf	1	969	969
	2	415	415
Af	1	1133	1133
	2	703	703
	3	478	478
B	1	237	237
	2	364	364
	3	339	339
	4	260	260
Bc	1	682	682
	2	972	972
	3	537	537
Bcf	1	1507	1507
	2	682	682
	3	972	972
	4	537	537
Bf	1	601	601
	2	599	599
C	1	421	421
	2	367	367
	3	142	142
Cf	1	421	421
	2	509	509
D	1	253	253
	2	293	293
	3	340	340
Dc	1	710	710
	2	741	741
	3	259	259
	4	402	402
Dcf	1	1047	1047
	2	1193	1193
	3	741	741
	4	259	259
	5	402	402
Df	1	546	546
	2	340	340
Dxp	1	1047	1047
	2	483	483
Ec	1	500	500
	2	482	482
	3	518	518

	4	269	269
Ecf	1	801	801
	2	903	903
	3	482	482
	4	812	812
Ef	1	764	764
	2	538	538
Exp	1	801	801
	2	403	403
F	1	164	164
	2	256	256
	3	332	332
Fc	1	564	564
	2	609	609
	3	761	761
Ff	1	420	420
	2	332	332
G	1	297	297
	2	267	267
Gf	1	293	293
	2	245	245
xA	1	638	638
	2	663	663
xB	1	1507	1507
xC	1	644	644
	2	599	599
xD	1	1047	1047
	2	483	483
xE	1	801	801
	2	403	403
xF	1	599	599
Cc1	1	679	679
E1	1	272	272
	2	492	492
Gf1	1	26	26
Cc2	2	968	968
	3	568	568
	4	917	917
	5	260	260
	3	293	293
E2	4	245	245
	2	604	604
TC5	3	663	663
	4	0	0
	1	1058	1058
TC9	2	700	700
	3	388	388
	1	34	34
TC35	1	205	205
TC36	1	37	37
TC37	1	37	37
TC38	1	37	37
TC39	2	604	604
	3	663	663
TC40	2	641	641
	3	663	663

TC41	1	168	168
TC42	1	0	0
TC43	1	0	0
47	1	1243	1243
48	1	930	930
49	1	1058	1058
	2	1088	1088
50	1	1200	1200
51	1	752	752

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	48	319	12	409	7	393	0
	B28	17	0	83	157	446	5	222	0
	C28	260	26	0	162	91	6	341	0
	D28	5	338	230	0	15	7	157	0
	E28	433	538	82	99	1	4	145	0
	F28	60	14	39	40	15	0	37	0
	G28	729	279	777	129	227	5	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	250
	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	91
	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	409
	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	41
	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	162
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	99
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	78
	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	40
	91	I2	C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	6
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	4
	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	22

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	189
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	176
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	24
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	37
113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	60
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	1
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	8
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	8
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	1
130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	157
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	1
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	1
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	293
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	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	157
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	78
161	B28	F28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	5
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	17
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	79
167	B28	E28	48/1, Cf/1, C/1, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	338
168	G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal	729
169	G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	140
170	G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	140
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	98
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	118
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	24
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	181
195	D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	137
196	D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	7
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	5
199	D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	126
200	D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	126
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	154
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	1
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	12
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	5
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	7
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	41
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	1
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 sat flow (PCU/hr)	Actual green (s per cycle)	Calculated capacity (PCU/hr)	Degree of saturation (%)	Practical reserve capacity (%)	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	Journey Time (s)	
16:30-17:30	A	1	(untitled)	E	789	2050	28	991	80	13	15.32	8.82	68.08	20.91	
		2	(untitled)	E	345	2050	28	991	35	158	7.06	2.41	18.04	12.83	
		3	(untitled)	E	702	2050	28	991	71	27	12.40	10.37	75.81	18.29	
		4	(untitled)	E	479	2050	28	991	48	86	10.91	7.21	51.60	16.93	
	Ac	1	(untitled)	D	719	2263	22	867	83	9	27.74	11.22	67.34	34.93	
		2	(untitled)	D	250	2263	22	751	33	170	3.36	3.66	22.77	12.86	
		3	(untitled)	D	411	2263	22	867	47	90	5.39	7.28	47.61	11.98	
	Acf	1	(untitled)			969	2263	60	2263	43	110	0.60	0.16	1.32	5.81
		2	(untitled)			411	2263	60	2263	18	396	0.18	0.02	0.16	7.42
	Af	1	(untitled)			1134	2050	60	2050	55	63	1.08	0.34	3.67	7.51
		2	(untitled)			702	2050	60	2050	34	163	0.46	0.09	0.96	6.84
		3	(untitled)			479	2050	60	2050	23	285	0.27	0.04	0.39	6.63
	B	1	(untitled)	B	237	2050	10	376	63	43	30.68	3.89	23.61	37.78	
		2	(untitled)	B	364	2150	10	394	92	-3	65.31	9.56	56.55	72.59	
		3	(untitled)	B	339	2100	10	378	90	0	58.53	8.29	47.79	66.01	
		4	(untitled)	B	261	2050	10	376	69	30	33.55	4.61	25.89	45.84	
	Bc	1	(untitled)	A	682	2050	38	1333	51	76	6.32	4.79	20.74	18.27	
		2	(untitled)	A	969	2050	38	1325	73	23	8.20	12.77	55.86	20.03	
		3	(untitled)	A	536	2050	38	1332	40	124	1.92	7.86	34.76	13.63	
	Bcf	1	(untitled)			1508	2263	60	2263	67	35	1.58	0.66	6.08	5.93
		2	(untitled)			682	2263	60	2263	30	199	0.34	0.06	0.59	5.70
		3	(untitled)			969	2263	60	2263	43	110	0.60	0.16	1.48	6.46
		4	(untitled)			536	2263	60	2263	24	280	0.25	0.04	0.34	6.56
	Bf	1	(untitled)			601	1800	60	1800	33	170	0.50	0.08	0.21	27.84

	2	(untitled)		600	1800	60	1800	33	170	0.50	0.08	0.21	27.91
C	1	(untitled)	G	421	2100	13	490	86	5	42.61	8.73	41.42	57.15
	2	(untitled)	G	367	2200	13	513	71	26	29.88	6.18	29.04	44.57
	3	(untitled)	G	142	2050	13	478	30	203	20.56	1.96	9.04	35.48
Cf	1	(untitled)		421	1965	60	1965	21	320	0.25	0.03	0.12	17.60
	2	(untitled)		509	1965	60	1965	26	247	0.32	0.05	0.18	17.82
D	1	(untitled)	B	253	2050	12	444	57	58	26.33	3.82	39.90	30.45
	2	(untitled)	B	293	1850	12	401	73	23	33.71	4.95	51.76	37.83
	3	(untitled)	B	340	2250	12	429	79	14	37.72	6.30	68.47	41.68
Dc	1	(untitled)	A	709	2100	38	1365	52	73	7.08	6.05	68.62	10.88
	2	(untitled)	A	739	2100	38	1365	54	66	5.44	5.09	60.02	9.09
	3	(untitled)	A	259	2100	38	1365	19	374	3.16	2.34	28.78	6.67
	4	(untitled)	A	403	2100	38	1365	30	205	4.45	2.55	32.76	7.81
Dcf	1	(untitled)		1046	2050	60	2050	51	76	0.91	0.27	2.31	5.86
	2	(untitled)		1192	2100	60	2100	57	59	1.12	0.37	3.24	6.07
	3	(untitled)		739	2100	60	2100	35	156	0.47	0.10	0.80	5.88
	4	(untitled)		259	2100	60	2100	12	630	0.12	0.01	0.07	6.95
	5	(untitled)		403	2100	60	2100	19	369	0.20	0.02	0.20	5.22
Df	1	(untitled)		546	1900	60	1900	29	213	0.38	0.06	0.17	24.38
	2	(untitled)		340	2250	60	2250	15	496	0.14	0.01	0.04	24.14
Dxp	1	(untitled)	D	1046	2050	41	1435	73	23	4.11	2.29	28.19	7.60
	2	(untitled)	D	483	2050	41	1435	34	167	0.71	0.15	1.79	4.36
Ec	1	(untitled)	F	500	2150	35	1290	39	132	6.63	4.78	54.87	10.39
	2	(untitled)	F	482	2263	35	1358	35	154	8.29	5.75	68.27	11.92
	3	(untitled)	F	518	2263	35	1358	38	136	4.60	4.89	60.07	8.11
	4	(untitled)	F	269	2250	35	1350	20	352	13.42	4.72	59.07	16.87
Ecf	1	(untitled)		800	2100	60	2045	39	130	0.86	4.82	60.28	4.31
	2	(untitled)		901	2100	60	2100	43	110	0.64	0.16	2.00	4.12
	3	(untitled)		482	2263	60	2263	21	323	0.22	0.03	0.35	3.74
	4	(untitled)		813	2300	60	2300	35	155	0.43	0.10	1.10	4.40
Ef	1	(untitled)		763	1900	60	1900	40	124	0.64	0.13	0.61	15.94
	2	(untitled)		538	1900	60	1900	28	218	0.37	0.06	0.25	15.68

Exp	1	(untitled)	L	800	2050	40	1401	57	58	4.01	5.44	60.39	7.90
	2	(untitled)	L	401	2050	40	1401	29	214	0.52	0.06	0.61	4.54
F	1	(untitled)	B	164	2100	10	385	43	111	25.17	2.52	17.02	31.55
	2	(untitled)	B	255	2100	10	385	66	36	31.78	4.25	28.50	38.21
	3	(untitled)	B	329	2100	10	385	85	5	48.45	7.15	47.12	55.00
Fc	1	(untitled)	A	564	2263	40	1546	36	147	1.13	1.77	5.57	20.23
	2	(untitled)	A	609	2263	40	1508	40	123	1.59	3.50	11.09	20.51
	3	(untitled)	A	760	2263	40	1535	50	82	5.45	13.09	41.74	25.11
Ff	1	(untitled)		419	1900	60	1900	22	308	0.27	0.03	0.07	33.35
	2	(untitled)		329	1900	60	1900	17	420	0.20	0.02	0.04	33.25
G	1	(untitled)	F	297	2050	13	456	65	38	43.21	5.75	21.27	59.19
	2	(untitled)	F	267	2050	13	458	58	54	45.09	5.24	19.86	56.48
Gf	1	(untitled)		293	2050	60	2049	14	529	0.15	2.33	33.10	3.19
	2	(untitled)		245	2050	60	2050	12	653	0.12	0.01	0.12	3.12
xA	1	(untitled)		638	2263	60	2212	29	212	0.42	2.38	5.95	17.64
	2	(untitled)		663	2263	60	2263	29	207	0.33	0.06	0.15	17.58
xB	1	(untitled)		1508	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	1	(untitled)		644	1900	60	731	88	2	25.87	12.27	61.04	34.54
	2	(untitled)		599	1900	60	775	77	16	14.71	8.28	41.04	23.41
xD	1	(untitled)		1046	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
	2	(untitled)		483	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
xE	1	(untitled)		800	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)		599	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
Cc1	1	(untitled)	E	679	2050	32	1128	60	49	13.85	10.77	64.63	20.40
E1	1	(untitled)	G	272	2050	14	513	53	70	23.41	3.85	27.67	29.41
	2	(untitled)	G	491	2200	14	550	89	1	45.66	10.45	75.08	51.66
Gf1	1	(untitled)		26	692	60	692	4	2295	1.45	0.24	2.76	5.14
Cc2	2	(untitled)	D	967	2150	33	1173	82	9	18.12	14.94	93.81	24.80
	3	(untitled)	D	567	2050	33	1162	49	84	10.53	9.06	58.36	17.72
	4	(untitled)	D	914	2150	33	1218	75	20	14.46	13.74	88.81	21.06
	5	(untitled)	D	261	2050	33	1162	22	301	13.35	5.87	38.08	21.33

E2	3	(untitled)	H	293	2150	14	526	56	62	23.98	4.17	45.04	27.97
	4	(untitled)	H	245	2050	14	513	48	88	22.37	3.42	36.16	26.45
TC5	2	(untitled)	A	604	2263	38	1509	40	125	3.64	2.42	60.34	6.40
	3	(untitled)	A	663	2263	38	1509	44	105	1.26	0.51	12.62	4.02
	4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
TC9	1	(untitled)	B	1059	1925	39	1348	79	15	10.83	11.70	73.39	21.84
	2	(untitled)	B	700	1966	39	1376	51	77	5.54	5.01	31.27	16.60
	3	(untitled)	B	388	1947	39	1363	28	216	3.91	2.21	13.72	15.03
TC35	1	(untitled)	A	34	1900	38	1267	3	3253	2.40	0.12	2.88	5.30
TC36	1	(untitled)		205	1800	60	1800	11	690	0.13	0.01	0.17	3.16
TC37	1	(untitled)	J	37	1850	45	1418	3	3350	1.78	0.14	1.87	4.98
TC38	1	(untitled)		37	462	60	462	8	1025	0.94	2.42	65.24	2.47
TC39	2	(untitled)		604	2263	60	2263	27	237	0.29	0.05	0.79	2.83
	3	(untitled)		663	2263	60	2263	29	207	0.33	0.06	1.05	2.73
TC40	2	(untitled)		641	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
	3	(untitled)		663	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
TC41	1	(untitled)	D	168	1850	11	370	45	98	25.15	2.61	27.53	29.08
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)		1243	1300	60	1300	96	-6	23.01	7.95	34.19	39.05
48	1	(untitled)		930	1965	60	1965	47	90	0.82	0.21	2.22	7.44
49	1	(untitled)		1059	1900	60	1900	56	61	1.19	0.35	7.67	4.34
	2	(untitled)		1088	1900	60	1900	57	57	1.27	0.38	8.39	4.42
50	1	(untitled)		1201	1900	60	1900	63	42	1.62	0.54	6.46	7.40
51	1	(untitled)		748	1900	60	1900	39	129	0.61	0.13	1.96	5.11

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	250	179.47	834.67	0.00	0.00	0.00	250	179.47	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	91	90.84	526.66	0.00	0.00	0.00	91	90.84	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	409	135.39	693.05	0.00	0.00	0.00	409	135.39	693.05
42	E28	C28	41	196.89	1065.88	0.00	0.00	0.00	41	196.89	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	162	90.26	514.00	0.00	0.00	0.00	162	90.26	514.00
50	E28	D28	99	57.54	370.08	0.00	0.00	0.00	99	57.54	370.08
68	E28	G28	78	99.24	737.43	0.00	0.00	0.00	78	99.24	737.43
86	F28	D28	40	125.96	871.13	0.00	0.00	0.00	40	125.96	871.13
91	C28	F28	6	124.44	787.40	0.00	0.00	0.00	6	124.44	787.40
92	E28	F28	4	90.85	644.57	0.00	0.00	0.00	4	90.85	644.57
96	A28	C28	71	161.54	699.00	0.00	0.00	0.00	71	161.54	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	22	199.77	753.91	0.00	0.00	0.00	22	199.77	753.91
100	E28	B28	245	164.89	623.35	0.00	0.00	0.00	245	164.89	623.35
101	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
102	A28	C28	189	127.11	696.48	0.00	0.00	0.00	189	127.11	696.48
103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
104	C28	G28	176	132.11	880.25	0.00	0.00	0.00	176	132.11	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	112.56	769.84	0.00	0.00	0.00	460	112.56	769.84
107	A28	B28	24	162.51	716.08	0.00	0.00	0.00	24	162.51	716.08
108	B28	G28	125	139.78	1057.75	0.00	0.00	0.00	125	139.78	1057.75
109	C28	G28	64	134.44	873.55	0.00	0.00	0.00	64	134.44	873.55
110	E28	G28	67	98.63	731.08	0.00	0.00	0.00	67	98.63	731.08
111	B28	G28	19	146.37	1057.51	0.00	0.00	0.00	19	146.37	1057.51
112	F28	G28	37	14.83	149.60	0.00	0.00	0.00	37	14.83	149.60
113	F28	A28	60	82.73	347.74	0.00	0.00	0.00	60	82.73	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	111.10	558.16	0.00	0.00	0.00	4	111.10	558.16
116	F28	C28	1	135.85	731.34	0.00	0.00	0.00	1	135.85	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	120.02	731.82	0.00	0.00	0.00	35	120.02	731.82
119	F28	E28	8	134.40	882.77	0.00	0.00	0.00	8	134.40	882.77
120	F28	E28	8	126.71	886.05	0.00	0.00	0.00	8	126.71	886.05
121	A28	A28	2	205.71	1161.19	0.00	0.00	0.00	2	205.71	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	1	129.01	732.12	0.00	0.00	0.00	1	129.01	732.12
130	G28	C28	157	107.00	770.24	0.00	0.00	0.00	157	107.00	770.24

131	G28	E28	72	121.38	921.19	0.00	0.00	0.00	72	121.38	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	1	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00
140	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
141	D28	E28	1	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00
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	213.47	757.09	0.00	0.00	0.00	4	213.47	757.09
150	E28	B28	293	179.42	625.89	0.00	0.00	0.00	293	179.42	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	178.38	751.33	0.00	0.00	0.00	14	178.38	751.33
154	E28	A28	24	104.63	694.21	0.00	0.00	0.00	24	104.63	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	133.46	875.68	0.00	0.00	0.00	60	133.46	875.68
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	B28	D28	157	114.31	699.67	0.00	0.00	0.00	157	114.31	699.67
159	B28	E28	108	112.95	714.59	0.00	0.00	0.00	108	112.95	714.59
160	B28	G28	78	146.52	1062.09	0.00	0.00	0.00	78	146.52	1062.09
161	B28	F28	5	138.84	969.24	0.00	0.00	0.00	5	138.84	969.24
162	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
163	B28	A28	17	184.00	1018.87	0.00	0.00	0.00	17	184.00	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	79	114.11	555.13	0.00	0.00	0.00	79	114.11	555.13
167	B28	E28	338	129.65	709.11	0.00	0.00	0.00	338	129.65	709.11
168	G28	A28	729	65.84	385.83	0.00	0.00	0.00	729	65.84	385.83
169	G28	B28	140	157.80	789.43	0.00	0.00	0.00	140	157.80	789.43
170	G28	B28	140	145.27	789.81	0.00	0.00	0.00	140	145.27	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	97.04	770.89	0.00	0.00	0.00	110	97.04	770.89
176	G28	E28	98	111.41	921.85	0.00	0.00	0.00	98	111.41	921.85
177	G28	D28	118	104.75	910.21	0.00	0.00	0.00	118	104.75	910.21
178	G28	E28	57	103.94	925.13	0.00	0.00	0.00	57	103.94	925.13
181	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
185	A28	B28	24	174.37	715.70	0.00	0.00	0.00	24	174.37	715.70
186	A28	C28	59	154.45	699.40	0.00	0.00	0.00	59	154.45	699.40
187	A28	E28	181	170.37	850.36	0.00	0.00	0.00	181	170.37	850.36
195	D28	G28	137	110.32	744.99	0.00	0.00	0.00	137	110.32	744.99
196	D28	F28	7	101.29	652.14	0.00	0.00	0.00	7	101.29	652.14
197	D28	G28	20	108.82	740.41	0.00	0.00	0.00	20	108.82	740.41
198	D28	A28	5	119.15	704.14	0.00	0.00	0.00	5	119.15	704.14
199	D28	B28	126	217.41	1101.91	0.00	0.00	0.00	126	217.41	1101.91
200	D28	B28	126	205.82	1102.29	0.00	0.00	0.00	126	205.82	1102.29
201	D28	C28	154	192.88	1078.16	0.00	0.00	0.00	154	192.88	1078.16

204	D28	C28	45	183.82	1077.09	0.00	0.00	0.00	45	183.82	1077.09
205	D28	E28	12	200.07	1228.05	0.00	0.00	0.00	12	200.07	1228.05
206	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
207	D28	E28	1	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00
210	A28	G28	257	167.64	1200.07	0.00	0.00	0.00	257	167.64	1200.07
211	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
212	A28	D28	12	155.59	841.86	0.00	0.00	0.00	12	155.59	841.86
213	A28	E28	175	156.34	856.77	0.00	0.00	0.00	175	156.34	856.77
214	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
215	G28	F28	5	136.30	1179.78	0.00	0.00	0.00	5	136.30	1179.78
218	A28	G28	135	191.54	1204.28	0.00	0.00	0.00	135	191.54	1204.28
219	A28	F28	7	183.87	1111.43	0.00	0.00	0.00	7	183.87	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	170.50	853.35	0.00	0.00	0.00	53	170.50	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	191.39	1199.70	0.00	0.00	0.00	10	191.39	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	131.96	875.67	0.00	0.00	0.00	41	131.96	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	235.36	1099.55	0.00	0.00	0.00	44	235.36	1099.55
239	D28	B28	43	223.65	1099.93	0.00	0.00	0.00	43	223.65	1099.93
240	G28	C28	50	109.18	770.21	0.00	0.00	0.00	50	109.18	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	123.45	909.27	0.00	0.00	0.00	11	123.45	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	41	191.50	1066.29	0.00	0.00	0.00	41	191.50	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	187.04	1078.57	0.00	0.00	0.00	31	187.04	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	1	130.91	731.74	0.00	0.00	0.00	1	130.91	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	207.00	1163.20	0.00	0.00	0.00	2	207.00	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	176.36	838.81	0.00	0.00	0.00	10	176.36	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)	Actu al gre en (s (per cycle))	Waste d time total (s (per cycle))	Degr ee of saturation (%)	Practi cal reser ve capac ity (%)	Journe yTime (s)	Me an Delay per Veh (s)	Me an stops per Veh (%)	Me an max que ue (PCU)	Delay weighting multiplier (%)	Stop weighting multiplier (%)	Cost of traffic penalties (£ per hr)	P.I.
A	1	(untitled)	6	771-2	E	789	2050	28	0.00	80	13	20.91	15.32	55.04	8.82	100	100	0.00	61.61
	2	(untitled)	6	771-2	E	345	2050	28	0.00	35	158	12.83	7.06	26.68	2.41	100	100	0.00	12.57
	3	(untitled)	6	771-2	E	702	2050	28	0.00	71	27	18.29	12.40	58.67	10.37	100	100	0.00	47.55
	4	(untitled)	6	771-2	E	479	2050	28	0.00	48	86	16.93	10.91	61.08	7.21	100	100	0.00	30.00
Ac	1	(untitled)	6	771-2	D	719	2263	22	2.00	83	9	34.93	27.74	68.54	11.22	100	100	0.00	94.50
	2	(untitled)	6	771-2	D	250	2263	22	16.08	33	170	12.86	3.36	37.01	3.66	100	100	0.00	4.89
	3	(untitled)	6	771-2	D	411	2263	22	3.00	47	90	11.98	5.39	47.31	7.28	100	100	0.00	14.97
Ac f	1	(untitled)	6			969	2263	60	28.00	43	110	5.81	0.60	0.00	0.16	100	100	0.00	2.27
	2	(untitled)	6			411	2263	60	35.00	18	396	7.42	0.18	0.00	0.02	100	100	0.00	0.29
Af	1	(untitled)	6			1134	2050	60	6.00	55	63	7.51	1.08	0.00	0.34	100	100	0.00	4.85
	2	(untitled)	6			702	2050	60	18.00	34	163	6.84	0.46	0.00	0.09	100	100	0.00	1.27
	3	(untitled)	6			479	2050	60	6.00	23	285	6.63	0.27	0.00	0.04	100	100	0.00	0.51
B	1	(untitled)	1	769-1	B	237	2050	10	0.00	63	43	37.78	30.68	97.96	3.89	100	100	0.00	36.13
	2	(untitled)	1	769-1	B	364	2150	10	0.00	92	-3	72.59	65.31	14.684	9.56	100	100	0.00	11.092
	3	(untitled)	1	769-1	B	339	2100	10	0.21	90	0	66.01	58.53	13.838	8.29	100	100	0.00	93.32
	4	(untitled)	1	769-1	B	261	2050	10	0.00	69	30	45.84	33.55	10.527	4.61	100	100	0.00	37.98
Bc	1	(untitled)	1	769-1	A	682	2050	38	4.00	51	76	18.27	6.32	39.15	4.79	100	100	0.00	22.95
	2	(untitled)	1	769-1	A	969	2050	38	4.22	73	23	20.03	8.20	48.65	12.77	100	100	0.00	41.84
	3	(untitled)	1	769-1	A	536	2050	38	4.00	40	124	13.63	1.92	8.28	7.86	100	100	0.00	5.04
Bc f	1	(untitled)	1			1508	2263	60	10.00	67	35	5.93	1.58	0.00	0.66	100	100	0.00	9.42

	2	(untitled)	1			682	2263	60	21.00	30	199	5.70	0.34	0.00	0.06	100	100	0.00	0.92
	3	(untitled)	1			969	2263	60	11.00	43	110	6.46	0.60	0.00	0.16	100	100	0.00	2.27
	4	(untitled)	1			536	2263	60	21.00	24	280	6.56	0.25	0.00	0.04	100	100	0.00	0.52
Bf	1	(untitled)	1			601	1800	60	0.00	33	170	27.84	0.50	0.00	0.08	100	100	0.00	1.19
	2	(untitled)	1			600	1800	60	0.00	33	170	27.91	0.50	0.00	0.08	100	100	0.00	1.18
C	1	(untitled)	2	769-2	G	421	2100	13	0.00	86	5	57.15	42.61	12.155	8.73	100	100	0.00	77.18
	2	(untitled)	2	769-2	G	367	2200	13	0.00	71	26	44.57	29.88	10.051	6.18	100	100	0.00	47.88
	3	(untitled)	2	769-2	G	142	2050	13	0.00	30	203	35.48	20.56	82.62	1.96	100	100	0.00	12.99
Cf	1	(untitled)	2			421	1965	60	0.00	21	320	17.60	0.25	0.00	0.03	100	100	0.00	0.41
	2	(untitled)	2			509	1965	60	0.00	26	247	17.82	0.32	0.00	0.05	100	100	0.00	0.64
D	1	(untitled)	3	770-1	B	253	2050	12	0.00	57	58	30.45	26.33	90.32	3.82	100	100	0.00	33.61
	2	(untitled)	3	770-1	B	293	1850	12	0.00	73	23	37.83	33.71	10.044	4.95	100	100	0.00	48.40
	3	(untitled)	3	770-1	B	340	2250	12	1.55	79	14	41.68	37.72	10.8.18	6.30	100	100	0.00	62.39
Dc	1	(untitled)	3	770-1	A	709	2100	38	1.00	52	73	10.88	7.08	50.29	6.05	100	100	0.00	31.24
	2	(untitled)	3	770-1	A	739	2100	38	0.00	54	66	9.09	5.44	39.77	5.09	100	100	0.00	25.28
	3	(untitled)	3	770-1	A	259	2100	38	25.00	19	374	6.67	3.16	37.99	2.34	100	100	0.00	6.38
	4	(untitled)	3	770-1	A	403	2100	38	26.00	30	205	7.81	4.45	38.33	2.55	100	100	0.00	12.03
Dcf	1	(untitled)	3			1046	2050	60	16.00	51	76	5.86	0.91	0.00	0.27	100	100	0.00	3.77
	2	(untitled)	3			1192	2100	60	15.00	57	59	6.07	1.12	0.00	0.37	100	100	0.00	5.28
	3	(untitled)	3			739	2100	60	14.00	35	156	5.88	0.47	0.00	0.10	100	100	0.00	1.36
	4	(untitled)	3			259	2100	60	35.00	12	630	6.95	0.12	0.00	0.01	100	100	0.00	0.12
	5	(untitled)	3			403	2100	60	38.00	19	369	5.22	0.20	0.00	0.02	100	100	0.00	0.32
Df	1	(untitled)	3-2			546	1900	60	0.00	29	213	24.38	0.38	0.00	0.06	100	100	0.00	0.82
	2	(untitled)	3-2			340	2250	60	0.00	15	496	24.14	0.14	0.00	0.01	100	100	0.00	0.19
Dxp	1	(untitled)	3-2	770-2	D	1046	2050	41	6.00	73	23	7.60	4.11	12.67	2.29	100	100	0.00	21.20
	2	(untitled)	3-2	770-2	D	483	2050	41	9.00	34	167	4.36	0.71	1.82	0.15	100	100	0.00	1.64
Ec	1	(untitled)	4	770-3	F	500	2150	35	0.00	39	132	10.39	6.63	42.09	4.78	100	100	0.00	19.84
	2	(untitled)	4	770-3	F	482	2263	35	16.00	35	154	11.92	8.29	64.51	5.75	100	100	0.00	25.74
	3	(untitled)	4	770-3	F	518	2263	35	21.00	38	136	8.11	4.60	38.54	4.89	100	100	0.00	15.81
	4	(untitled)	4	770-3	F	269	2250	35	28.00	20	352	16.87	13.42	96.48	4.72	100	100	0.00	22.57
Ecf	1	(untitled)	4			800	2100	60	10.57	39	130	4.31	0.86	5.94	4.82	100	100	0.00	4.24

	2	(untitled)	4			901	2100	60	8.00	43	110	4.12	0.64	0.00	0.16	100	100	0.00	2.29
	3	(untitled)	4			482	2263	60	33.00	21	323	3.74	0.22	0.00	0.03	100	100	0.00	0.41
	4	(untitled)	4			813	2300	60	34.00	35	155	4.40	0.43	0.00	0.10	100	100	0.00	1.37
Ef	1	(untitled)	4			763	1900	60	0.00	40	124	15.94	0.64	0.00	0.13	100	100	0.00	1.91
	2	(untitled)	4			538	1900	60	0.00	28	218	15.68	0.37	0.00	0.06	100	100	0.00	0.79
Exp	1	(untitled)	4-2	770-4	L	800	2050	40	2.00	57	58	7.90	4.01	21.66	5.44	100	100	0.00	18.21
	2	(untitled)	4-2	770-4	L	401	2050	40	17.00	29	214	4.54	0.52	0.00	0.06	100	100	0.00	0.81
F	1	(untitled)	5	771-1	B	164	2100	10	0.00	43	111	31.55	25.17	88.87	2.52	100	100	0.00	20.96
	2	(untitled)	5	771-1	B	255	2100	10	0.00	66	36	38.21	31.78	99.44	4.25	100	100	0.00	40.10
	3	(untitled)	5	771-1	B	329	2100	10	0.00	85	5	55.00	48.45	125.09	7.15	100	100	0.00	76.09
Fc	1	(untitled)	5	771-1	A	564	2263	40	12.00	36	147	20.23	1.13	12.17	1.77	100	100	0.00	3.65
	2	(untitled)	5	771-1	A	609	2263	40	18.03	40	123	20.51	1.59	22.11	3.50	100	100	0.00	6.05
	3	(untitled)	5	771-1	A	760	2263	40	20.30	50	82	25.11	5.45	75.51	13.09	100	100	0.00	25.08
Ff	1	(untitled)	5			419	1900	60	0.00	22	308	33.35	0.27	0.00	0.03	100	100	0.00	0.44
	2	(untitled)	5			329	1900	60	0.00	17	420	33.25	0.20	0.00	0.02	100	100	0.00	0.26
G	1	(untitled)	2	769-2	F	297	2050	13	4.66	65	38	59.19	43.21	113.28	5.75	100	100	0.00	56.36
	2	(untitled)	2	769-2	F	267	2050	13	5.59	58	54	56.48	45.09	113.42	5.24	100	100	0.00	57.21
Gf	1	(untitled)	4			293	2050	60	45.02	14	529	3.19	0.15	0.47	2.33	100	100	0.00	0.22
	2	(untitled)	4			245	2050	60	45.00	12	653	3.12	0.12	0.00	0.01	100	100	0.00	0.12
xA	1	(untitled)	10			638	2263	60	21.35	29	212	17.64	0.42	6.15	2.38	100	100	0.00	2.31
	2	(untitled)	10			663	2263	60	28.00	29	207	17.58	0.33	0.00	0.06	100	100	0.00	0.86
xB	1	(untitled)				1508	Unrestricted	60	0.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	1	(untitled)				644	1900	60	38.92	88	2	34.54	25.87	76.02	12.27	100	100	0.00	81.43
	2	(untitled)				599	1900	60	39.53	77	16	23.41	14.71	72.33	8.28	100	100	0.00	48.66
xD	1	(untitled)				1046	Unrestricted	60	16.00	0	Unrestricted	9.13	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				483	Unrestricted	60	22.00	0	Unrestricted	9.21	0.00	0.00	0.00	100	100	0.00	0.00
xE	1	(untitled)				800	Unrestricted	60	15.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				401	Unrestricted	60	21.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	1	(untitled)				599	Unrestricted	60	2.00	0	Unrestricted	12.19	0.00	0.00	0.00	100	100	0.00	0.00
Cc1	1	(untitled)	2	769-2	E	679	2050	32	4.00	60	49	20.40	13.85	73.16	10.77	100	100	0.00	56.64
E1	1	(untitled)	4	770-3	G	272	2050	14	0.00	53	70	29.41	23.41	84.80	3.85	100	100	0.00	32.52

	2	(untitled)	4	770-3	G	491	2200	14	0.00	89	1	51.66	45.66	120.88	10.45	100	100	0.00	107.49
Gf 1	1	(untitled)	4			26	692	60	48.00	4	2295	5.14	1.45	33.58	0.24	100	100	0.00	0.43
Cc 2	2	(untitled)	2	769-2	D	967	2150	33	5.26	82	9	24.80	18.12	80.18	14.94	100	100	0.00	96.78
	3	(untitled)	2	769-2	D	567	2050	33	2.00	49	84	17.72	10.53	77.30	9.06	100	100	0.00	36.54
	4	(untitled)	2	769-2	D	914	2150	33	3.02	75	20	21.06	14.46	78.71	13.74	100	100	0.00	77.12
	5	(untitled)	2	769-2	D	261	2050	33	26.00	22	301	21.33	13.35	104.55	5.87	100	100	0.00	19.83
E2	3	(untitled)	4	770-3	H	293	2150	14	0.33	56	62	27.97	23.98	85.33	4.17	100	100	0.00	35.74
	4	(untitled)	4	770-3	H	245	2050	14	0.00	48	88	26.45	22.37	83.59	3.42	100	100	0.00	28.19
TC 5	2	(untitled)	TC 771-6	TC777-1	A	604	2263	38	9.00	40	125	6.40	3.64	24.00	2.42	100	100	0.00	10.49
	3	(untitled)	TC 771-6	TC777-1	A	663	2263	38	11.00	44	105	4.02	1.26	4.57	0.51	100	100	0.00	3.67
	4	(untitled)	TC 771-6	TC777-1	C	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC 9	1	(untitled)	TC 771-6	TC777-1	B	1059	1925	39	0.00	79	15	21.84	10.83	61.04	11.70	100	100	0.00	53.35
	2	(untitled)	TC 771-6	TC777-1	B	700	1966	39	0.00	51	77	16.60	5.54	42.02	5.01	100	100	0.00	19.00
	3	(untitled)	TC 771-6	TC777-1	B	388	1947	39	0.00	28	216	15.03	3.91	34.20	2.21	100	100	0.00	7.64
TC 35	1	(untitled)	TC 771-6	TC777-1	A	34	1900	38	28.00	3	3253	5.30	2.40	21.39	0.12	100	100	0.00	0.41
TC 36	1	(untitled)	TC 771-6			205	1800	60	0.00	11	690	3.16	0.13	0.00	0.01	100	100	0.00	0.10
TC 37	1	(untitled)	TC 771-6	TC777-2	J	37	1850	45	45.00	3	3350	4.98	1.78	23.39	0.14	100	100	0.00	0.56
TC 38	1	(untitled)	TC 771-6			37	462	60	44.00	8	1025	2.47	0.94	20.02	2.42	100	100	0.00	0.39
TC 39	2	(untitled)	TC 771-6			604	2263	60	29.00	27	237	2.83	0.29	0.00	0.05	100	100	0.00	0.69
	3	(untitled)	TC 771-6			663	2263	60	31.00	29	207	2.73	0.33	0.00	0.06	100	100	0.00	0.86
TC 40	2	(untitled)	TC 771-6			641	Unrestricted	60	20.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC 771-6			663	Unrestricted	60	28.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
TC 41	1	(untitled)	TC 771-6	TC777-1	D	168	1850	11	0.00	45	98	29.08	25.15	87.01	2.61	100	100	0.00	21.76
TC 42	1	(untitled)	TC 771-6	TC777-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC 43	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			1243	1300	60	2.00	96	-6	39.05	23.01	0.00	7.95	100	100	0.00	112.83
48	1	(untitled)	2			930	1965	60	0.00	47	90	7.44	0.82	0.00	0.21	100	100	0.00	3.02
49	1	(untitled)	TC 771-6			1059	1900	60	0.00	56	61	4.34	1.19	0.00	0.35	100	100	0.00	4.97
	2	(untitled)	TC 771-6			1088	1900	60	0.00	57	57	4.42	1.27	0.00	0.38	100	100	0.00	5.43
50	1	(untitled)	1			1201	1900	60	0.00	63	42	7.40	1.62	0.00	0.54	100	100	0.00	7.69
51	1	(untitled)	4-2			748	1900	60	0.00	39	129	5.11	0.61	0.00	0.13	100	100	0.00	1.81

Pedestrian Crossing Results

Pedestrian	Side	Name	Traffic node	SIGNALS		FLOWS		PERFORMANCE			PER PED		QUEUES	WEIGHTS	PENALTIES	P.I.
				Controller stream	Phase	Calculated Flow Entering (Ped/hr)	Calculated saturation flow (Ped/hr)	Actual green (s (per cycle))	Degree of saturation (%)	Practical reserve capacity	Journey Time (s)	Mean Delay per Ped (s)	Mean 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	5688.82	276.16	20.60	129.32	1836.39	475.49	0.00	2311.88
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	5688.82	276.16	20.60	129.32	1836.39	475.49	0.00	2311.88

- <= 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**