TRANSYT 16

Version: 16.0.1.8473

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Filename: M62 JN 28 CRF Scheme_Mar 20_PF_Sept 20_RevC_mitigation DS_optA+B_2019+Com+CP+Dev_05.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Option A+B
Report generation date: 24/01/2021 14:14:36

Summary of network performance

	Set ID	Cycle time (s)	PI (£ per hr)	Total delay (PCU-hr/hr)	Highest DOS	Number oversaturated
	AM Base 2019 + Com Dev + CP + Dev - AM 2019 + Com Dev + CP + Dev					
Network	A15 D15	120	540134.78	2255.98	1081% (TS Df/1)	27 (17%)

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 TRANSYT 12 style timings	Display effective greens in results	Display Red-With-Amber	Display End-Of-Green Amber	Display controller 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

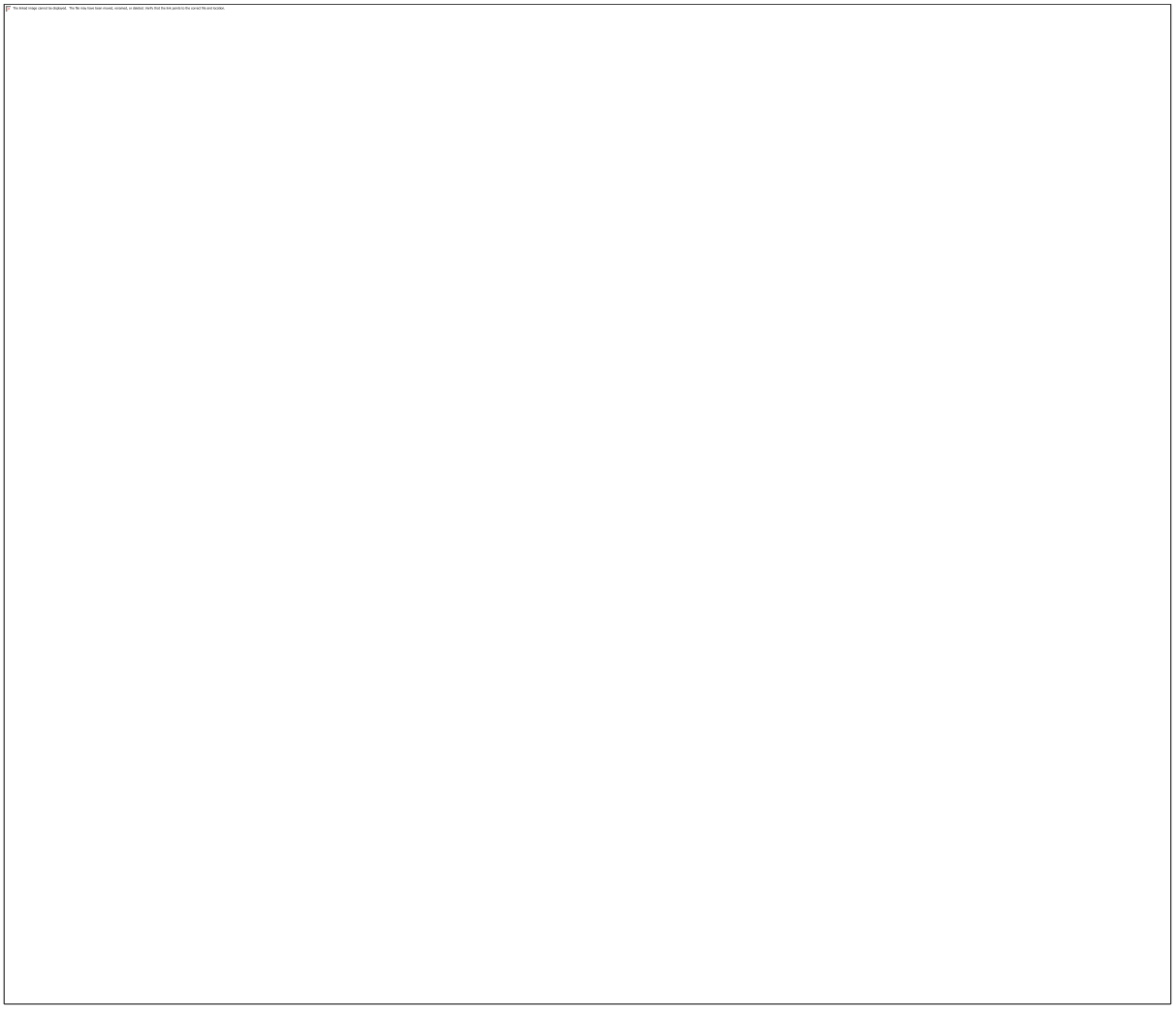
Sorting

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



A15 - AM Base 2019 + Com Dev + CP + Dev
D15 - AM 2019 + Com Dev + CP + Dev,

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: Auto Calculate option is switched off - OD flows will not be allocated automatically to the network.
Warning	Traffic Stream Signals	Arm TC42 - Traffic Stream 1 - Signals (TC777-1, E)	Traffic Stream 1 controlling phase E never runs in the current stage sequence.
Info	Arm Data	Arm xC	No traffic node specified for arm(s): xC
Info	Traffic Stream Signals	Arm TC42 - Traffic Stream 1 - Signals (TC777-1, E)	Traffic Stream 1 controlling phase E never runs in stage sequence 1.

Run Summary

Analysis set used	Run start time	Run finish time	Run duration (s)	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Item with worst overall PRC	Network within capacity
15	24/01/2021 14:13:06	24/01/2021 14:13:19	13.19	07:30	120	540134.78	2255.98	1080.70	Df/1	27	17	TC42/1	Df/1	TC42/1	

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
AM Base 2019 + Com Dev + CP + Dev			✓	D15		✓	

Demand Set Details

Scenario name	Time Period name	Description	Composite	Demand sets	Start time (HH:mm)	Locked	Run automatically
AM 2019 + Com Dev + CP + Dev					07:30		✓

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)
120	72	70		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		✓	769-1, 769-2, 770-1, 770-2, 770-3, 770-4, 771-1, 771-2, 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
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

52			1
53			2

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto length	Length (m)	Has Saturation Flow	Saturation flow source	Saturation flow (PCU/hr)	Auto-calculate cell saturation flow	Cell saturation flow (PCU/hr)	Is signal controlled	Is give way	Traffic type	Allow Nearside Turn On Red
A	**1**	(untitled)	M62E	✓	74.35	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.69	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.40	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.11	✓	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)		✓	62.77	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	62.62	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.46	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.38	✓	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	✓	122.73	✓	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	
	4	(untitled)	Leeds/M62/Wake	✓	55.42	✓	Directly entered	2250		2250	✓		Normal	
Dc	**1**	(untitled)	Brad	✓	50.91	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.96	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	47.02	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	45.07	✓	Directly entered	2100		2100	✓		Normal	
Dcf	**1**	(untitled)		✓	65.43	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	65.28	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	65.54	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	67.69	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	66.13	✓	Directly entered	2100		2100			Normal	
	6	(untitled)		✓	66.17	✓	Directly entered	2050		2050			Normal	
Df	**1**	(untitled)			200.00	✓	Sum of lanes	1900					Normal	
	2	(untitled)			200.00	✓	Directly entered	2250					Normal	
Dxp	**1**	(untitled)		✓	45.75	✓	Directly entered	2050			✓		Normal	
	2	(untitled)		✓	48.11	✓	Directly entered	2050			✓		Normal	
Ec	**1**	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal	
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)	M62E	✓	45.11	✓	Directly entered	2250		2250	✓		Normal	
Ecf	**1**	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal	
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	46.95	✓	Directly entered	2263		2263			Normal	
	4	(untitled)		✓	47.51	✓	Directly entered	2300		2300			Normal	
	5	(untitled)		✓	48.55	✓	Directly entered	2300		2300			Normal	
Ef	**1**	(untitled)		✓	127.54	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal	

Exp	**1**	(untitled)		✓	51.83	✓	Directly entered	2050		2100	✓		Normal	
	2	(untitled)		✓	53.71	✓	Directly entered	2050		2100	✓		Normal	
F	**1**	(untitled)	Leeds	✓	85.13	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.25	✓	Directly entered	2100		2100	✓		Normal	
Fc	**1**	(untitled)	Leeds	✓	178.68	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Leeds	✓	175.19	✓	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)		✓	121.44								Normal	
	2	(untitled)		✓	122.12								Normal	
xE	**1**	(untitled)		✓	173.89								Normal	
	2	(untitled)		✓	173.83								Normal	
xF	**1**	(untitled)		✓	158.35								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)		✓	47.81							✓	Normal	
Cc2	**2**	(untitled)	Dews	✓	91.52	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	91.11	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	90.39	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	90.48	✓	Directly entered	2050		2050	✓		Normal	

	6	(untitled)	Leeds	✓	88.08	✓	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)		✓	92.21	✓	Sum of lanes	1966		1966	✓		Normal	
	3	(untitled)		✓	92.69	✓	Sum of lanes	1947		1947	✓		Normal	
TC35	**1**	(untitled)		✓	24.16	✓	Directly entered	1900		2263	✓		Normal	
TC36	**1**	(untitled)		✓	25.22	✓	Sum of lanes	1800					Normal	
TC37	**1**	(untitled)		✓	44.32	✓	Directly entered	1850		1850	✓		Normal	
TC38	**1**	(untitled)		✓	21.32	✓	Directly entered	1850		1850		✓	Normal	
TC39	**2**	(untitled)		✓	35.24	✓	Directly entered	2263		2263			Normal	
	3	(untitled)		✓	33.28	✓	Directly entered	2263		2263			Normal	
TC40	**2**	(untitled)		✓	58.74								Normal	
	3	(untitled)		✓	55.82								Normal	
TC41	**1**	(untitled)		✓	54.63	✓	Directly entered	1850		1850	✓		Normal	
TC42	**1**	(untitled)		✓	23.35	✓	Sum of lanes	1771			✓		Normal	
TC43	**1**	(untitled)		✓	51.77	✓	Sum of lanes	1800					Normal	
47	**1**	(untitled)		✓	133.63	✓	Directly entered	1300		1300			Normal	
48	**1**	(untitled)		✓	55.12	✓	Sum of lanes	1965					Normal	
49	**1**	(untitled)		✓	26.24	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	26.24	✓	Directly entered	1900					Normal	
50	**1**	(untitled)		✓	48.15	✓	Sum of lanes	1900					Normal	
51	**1**	(untitled)		✓	37.47	✓	Sum of lanes	1900					Normal	
52	**1**			✓	173.00	✓	Sum of lanes	1800	✓	1800	✓		Normal	
	2			✓	173.18	✓	Sum of lanes	1800	✓	1800	✓		Normal	
53	**1**			✓	43.95	✓	Sum of lanes	1800					Normal	
	2			✓	42.23	✓	Sum of lanes	1800					Normal	

Lanes

Arm	Traffic	Lane	Name	Description	Use RR67	Surface condition	Site qualit	Gradient (%)	Width (m)	Use connector	Proportion that turn (%)	Turning	Nearside lane	Saturation flow (PCU/hr)

	Stream						y factor			turning radius		radius (m)		
A	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
	4	4	(untitled)											
Ac	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
Acf	1	1	(untitled)											
	2	2	(untitled)											
Af	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
B	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
	4	4	(untitled)											
Bc	1	1	(untitled)											
	2	1	(untitled)											
	3	1	(untitled)											
Bcf	1	1	(untitled)											
	2	1	(untitled)											
	3	1	(untitled)											
	4	1	(untitled)											
Bf	1	1	(untitled)											1800
	2	1	(untitled)											1800
C	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
Cf	1	2	(untitled)											1965
	2	1	(untitled)											1965
D	1	1	(untitled)											

	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**3**	(untitled)											
Dc	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
Dcf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
	5	**5**	(untitled)											
	6	**1**	(untitled)											
Df	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											
Dxp	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
Ec	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
	3	**1**	(untitled)											
	4	**1**	(untitled)											
Ecf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
	5	**4**	(untitled)											
Ef	**1**	**1**	(untitled)											
	2	**2**	(untitled)											1900
Exp	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
F	**1**	**1**	(untitled)											
	2	**2**	(untitled)											

	3	**3**	(untitled)											
Fc	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Ff	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											1900
G	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
Gf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xA	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xB	**1**	**1**	(untitled)											
xC	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											1900
xD	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xE	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xF	**1**	**1**	(untitled)											
Cc1	**1**	**1**	(untitled)											
E1	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
Gf1	**1**	**1**	(untitled)											
Cc2	**2**	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
	5	**5**	(untitled)											
	6	**5**	(untitled)											
E2	**3**	**3**	(untitled)											
	4	**4**	(untitled)											
TC5	**2**	**1**	(untitled)		✓	N/A	Clearly Good	0	3.50	✓	0	99999.00		2263

	3	1	(untitled)											
	4	1	(untitled)											1800
TC9	1	1	(untitled)											
	2	1	(untitled)		✓	N/A	Average	0	3.70	✓	0	99999.00		1966
	3	1	(untitled)		✓	N/A	Average	0	3.50	✓	0	99999.00		1947
TC35	1	1	(untitled)											
TC36	1	1	(untitled)											1800
TC37	1	1	(untitled)											
TC38	1	1	(untitled)											
TC39	2	1	(untitled)											
	3	1	(untitled)											
TC40	2	1	(untitled)											
	3	1	(untitled)											
TC41	1	1	(untitled)											
TC42	1	1	(untitled)		✓	N/A	Average	0	3.00	✓	0	9.44	✓	1771
TC43	1	1	(untitled)											1800
47	1	1	(untitled)											
48	1	1	(untitled)											1965
49	1	2	(untitled)											
	2	1	(untitled)											
50	1	1	(untitled)											1900
51	1	1	(untitled)											1900
52	1	1	(untitled)											1800
	2	1	(untitled)											1800
53	1	1	(untitled)											1800
	2	1	(untitled)											1800

Modelling

Arm	Traffic Stream	Traffic model	Stop weighting multiplier (%)	Delay weighting multiplier (%)	Assignment Cost Weighting (%)	Exclude from results calculation	Max queue storage (PCU)	Has queue limit	Queue limit (PCU)	Excess queue penalty (£)	Has degree of saturation limit	Degree of saturation limit (%)	Excess degree of saturation penalty (£)	Low degree of saturation penalty (£)
A	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							

Ac	**1**	CTM	500	100	100		0.00	✓	16.50	9999.00				
	2	CTM	50	100	100		0.00	✓	16.50	9999.00				
	3	CTM	500	100	100		0.00	✓	16.50	9999.00				
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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Bc	**1**	CTM	500	100	100		0.00	✓	22.50	9999.00				
	2	CTM	500	100	100		0.00	✓	22.50	9999.00				
	3	CTM	500	100	100		0.00	✓	22.50	9999.00				
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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
Cf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
D	**1**	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Dc	**1**	CTM	500	100	100		0.00	✓	8.00	9999.00				
	2	CTM	500	100	100		0.00	✓	8.00	9999.00				
	3	CTM	500	100	100		0.00	✓	8.00	9999.00				
	4	CTM	500	100	100		0.00	✓	8.00	9999.00				
Dcf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
	6	CTM	100	100	100		0.00							
Df	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Dxp	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Ec	**1**	CTM	500	100	100		0.00	✓	8.00	9999.00				

	2	CTM	500	100	100		0.00	✓	8.00	9999.00				
	3	CTM	500	100	100		0.00	✓	8.00	9999.00				
	4	CTM	500	100	100		0.00	✓	8.00	9999.00				
Ecf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
Ef	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Exp	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
F	**1**	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
Fc	**1**	CTM	500	100	100		0.00	✓	32.00	9999.00				
	2	CTM	500	100	100		0.00	✓	32.00	9999.00				
	3	CTM	500	100	100		0.00	✓	32.00	9999.00				
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	500	100	100		0.00	✓	26.00	9999.00				
	2	CTM	500	100	100		0.00	✓	26.00	9999.00				
Gf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xA	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xB	**1**	NetworkDefault	100	100	100		0.00							
xC	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xD	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xE	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xF	**1**	NetworkDefault	100	100	100		0.00							
Cc1	**1**	CTM	100	100	100		0.00							
E1	**1**	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
Gf1	**1**	NetworkDefault	100	100	100		0.00							
Cc2	**2**	CTM	500	100	100		0.00	✓	15.00	9999.00				
	3	CTM	500	100	100		0.00	✓	15.00	9999.00				
	4	CTM	500	100	100		0.00	✓	15.00	9999.00				

	5	CTM	500	100	100		0.00	✓	15.00	9999.00				
	6	CTM	500	100	100		0.00	✓	15.00	9999.00				
E2	**3**	CTM	0	20	100		0.00							
	4	CTM	0	20	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							
52	**1**	CTM	500	100	100		0.00	✓	30.00	9999.00				
	2	CTM	500	100	100		0.00	✓	30.00	9999.00				
53	**1**	NetworkDefault	100	100	100		0.00							
	2	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	382	382
	2	181	181
	3	368	368
	4	393	393
Ac	1	1075	1075
	2	459	459
	3	112	112
Acf	1	1534	1534
	2	112	112
Af	1	563	563
	2	368	368
	3	393	393
B	1	357	357
	2	438	438
	3	435	435
	4	547	547
Bc	1	640	640
	2	442	442
	3	431	431
Bcf	1	1457	1457
	2	640	640
	3	442	442
	4	431	431
Bf	1	795	795
	2	982	982
C	1	104	104
	2	803	803
	3	542	542
Cf	1	794	794
	2	655	655
D	1	494	494
	2	495	495
	3	602	602
	4	608	608
Dc	1	738	738
	2	801	801
	3	307	307
	4	235	235
Dcf	1	704	704
	2	468	468
	3	738	738
	4	801	801
	5	307	307
	6	235	235
Df	1	989	989
	2	1210	1210
Dxp	1	704	704
	2	468	468
Ec	1	649	649
	2	802	802

	3	802	802
	4	602	602
Ecf	**1**	897	897
	2	1136	1136
	3	802	802
	4	802	802
	5	643	643
Ef	**1**	816	816
	2	454	454
Exp	**1**	897	897
	2	487	487
F	**1**	322	322
	2	462	462
	3	38	38
Fc	**1**	1402	1402
	2	1403	1403
	3	1146	1146
Ff	**1**	784	784
	2	38	38
G	**1**	242	242
	2	253	253
Gf	**1**	242	242
	2	212	212
xA	**1**	1712	1712
	2	1415	1415
xB	**1**	1457	1457
xC	**1**	468	468
	2	415	415
xD	**1**	704	704
	2	468	468
xE	**1**	897	897
	2	487	487
xF	**1**	817	817
Cc1	**1**	388	388
E1	**1**	272	272
	2	544	544
Gf1	**1**	41	41
Cc2	**2**	609	609
	3	420	420
	4	459	459
	5	316	316
	6	0	0
E2	**3**	242	242
	4	212	212
TC5	**2**	1313	1313
	3	1415	1415
	4	0	0
TC9	**1**	469	469
	2	356	356
	3	336	336
TC35	**1**	399	399
TC36	**1**	196	196
TC37	**1**	34	34
TC38	**1**	34	34
TC39	**2**	1313	1313

	3	1415	1415
TC40	**2**	1347	1347
	3	1415	1415
TC41	**1**	162	162
TC42	**1**	0	0
TC43	**1**	0	0
47	**1**	883	883
48	**1**	1449	1449
49	**1**	581	581
	2	580	580
50	**1**	1777	1777
51	**1**	822	822
52	**1**	550	550
	2	547	547
53	**1**	550	550
	2	547	547

Signals

Arm	Traffic Stream	Controller stream	Phase	Second phase enabled
A	**1**	771-2	E	
	2	771-2	E	
	3	771-2	E	
	4	771-2	E	
Ac	**1**	771-2	D	
	2	771-2	D	
	3	771-2	D	
B	**1**	769-1	B	
	2	769-1	B	
	3	769-1	B	
	4	769-1	B	
Bc	**1**	769-1	A	
	2	769-1	A	
	3	769-1	A	
C	**1**	769-2	G	
	2	769-2	G	
	3	769-2	G	
D	**1**	770-1	B	
	2	770-1	B	
	3	770-1	B	
	4	770-1	B	
Dc	**1**	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
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	
	6	769-2	D	
E2	**3**	770-3	H	
	4	770-3	H	
TC5	**2**	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	**1**	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	**1**	TC777-1	A	
TC37	**1**	TC777-2	J	
TC41	**1**	TC777-1	D	
TC42	**1**	TC777-1	E	
52	**1**	770-3	A	
	2	770-3	A	

Entry Sources

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

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	5.58	48.00	✓	Straight	Straight Movement
	2	**1**	Af/1	A/2	5.75	48.00	✓	Straight	Straight Movement
	3	**1**	Af/2	A/3	5.88	48.00	✓	Straight	Straight Movement
	4	**1**	Af/3	A/4	6.01	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	4.71	48.00	✓	Nearside	68.09
	2	**1**	A/2	Bcf/2	6.63	34.00	✓	Nearside	71.40
	3	**1**	A/3	Bcf/3	6.61	34.00	✓	Nearside	74.72
	4	**1**	A/4	Bcf/4	6.60	34.00	✓	Nearside	78.03
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	14.73	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
	4	**1**	Df/2	D/4	4.16	48.00	✓	Straight	Straight Movement
Dc	**1**	**1**	Dcf/3	Dc/1	6.11	30.00	✓	Offside	56.19
	2	**1**	Dcf/4	Dc/2	5.88	30.00	✓	Offside	52.87
	3	**1**	Dcf/5	Dc/3	5.64	30.00	✓	Offside	49.56
	4	**1**	Dcf/6	Dc/4	5.41	30.00	✓	Offside	46.25
Dcf	**1**	**1**	Cc2/2	Dcf/1	4.91	48.00	✓	Straight	Straight Movement
	2	**1**	Cc2/4	Dcf/2	4.90	48.00	✓	Straight	Straight Movement
	3	**1**	C/2	Dcf/3	4.92	48.00	✓	Nearside	58.12
	4	**1**	C/2	Dcf/4	5.08	48.00	✓	Nearside	58.12
	5	**1**	C/3	Dcf/5	4.96	48.00	✓	Nearside	61.43
	6	**1**	C/3	Dcf/6	7.94	30.00	✓	Nearside	61.43
Dxp	**1**	**1**	Dcf/1	Dxp/1	3.43	48.00	✓	Nearside	60.22
	2	**1**	Dcf/2	Dxp/2	3.61	48.00	✓	Nearside	63.54
Ec	**1**	**1**	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42

	2	**1**	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	**1**	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	**1**	Ecf/5	Ec/4	5.41	30.00	✓	Offside	66.48
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	3.56	48.00	✓	Offside	66.17
	5	**1**	Dc/4	Ecf/5	3.64	48.00	✓	Offside	62.86
Exp	**1**	**1**	Ecf/1	Exp/1	3.89	48.00	✓	Nearside	52.96
	2	**1**	Ecf/2	Exp/2	4.03	48.00	✓	Nearside	56.27
F	**1**	**1**	Ff/1	F/1	6.38	48.00	✓	Straight	Straight Movement
	2	**1**	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement
	3	**1**	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	**1**	**1**	Ec/2	Fc/1	18.38	35.00	✓	Straight	Straight Movement
	2	**1**	Ec/3	Fc/2	18.02	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	9.11	48.00	✓	Nearside	44.59
	2	**1**	Dxp/2	xD/2	9.16	48.00	✓	Nearside	47.90
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	11.88	48.00	✓	Straight	Straight Movement
Cc1	**1**	**1**	B/1	Cc1/1	8.63	40.00	✓	Straight	Straight Movement
E1	**1**	**1**	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	**1**	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96
Gf1	**1**	**1**	Ecf/5	Gf1/1	5.74	30.00	✓	Offside	21.77
Cc2	**2**	**1**	B/1	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	3	**1**	B/3	Cc2/3	8.20	40.00	✓	Straight	Straight Movement

	4	**1**	B/2	Cc2/4	8.14	40.00	✓	Straight	Straight Movement
	5	**1**	Bc/3	Cc2/5	6.03	54.00	✓	Offside	96.53
	6	**1**	Bc/3	Cc2/6	5.87	54.00	✓	Offside	93.22
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	11.07	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
52	**1**	**1**	53/1	52/1	20.76	30.00	✓	Straight	Straight Movement
	2	**1**	53/2	52/2	20.78	30.00	✓	Straight	Straight Movement
53	**1**	**1**	Bc/3	53/1	5.27	30.00	✓	Offside	5.00
	2	**1**	Bc/3	53/2	5.07	30.00	✓	Offside	5.00
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	3.95	57.00	✓	Offside	89.74
	3	**2**	Ac/3	Bcf/3	3.95	57.00	✓	Offside	86.42
	4	**2**	Ac/3	Bcf/4	3.94	57.00	✓	Offside	86.42
C	**2**	**2**	Cf/1	C/2	14.73	30.00	✓	Offside	56.58
Dcf	**1**	**2**	C/1	Dcf/1	4.91	48.00	✓	Nearside	54.80
	2	**2**	C/1	Dcf/2	4.90	48.00	✓	Nearside	54.80
	3	**2**	Cc2/3	Dcf/3	7.87	30.00	✓	Straight	Straight Movement

	4	**2**	Cc2/3	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
	5	**2**	Cc2/5	Dcf/5	7.94	30.00	✓	Offside	99.16
	6	**2**	Cc2/6	Dcf/6	7.94	30.00	✓	Offside	95.85
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	5.63	30.00	✓	Nearside	46.68
	4	**2**	D/3	Ecf/4	5.70	30.00	✓	Nearside	49.99
	5	**2**	D/4	Ecf/5	5.83	30.00	✓	Nearside	53.30
Fc	**1**	**2**	E1/1	Fc/1	20.10	32.00	✓	Nearside	58.94
	2	**2**	E1/1	Fc/2	19.71	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	11.88	48.00	✓	Nearside	40.67
Cc1	**1**	**2**	Bc/1	Cc1/1	6.39	54.00	✓	Straight	Straight Movement
Cc2	**2**	**2**	Bc/1	Cc2/2	10.98	30.00	✓	Straight	Straight Movement
	3	**2**	Bc/2	Cc2/3	10.93	30.00	✓	Offside	99.84
	4	**2**	Bc/2	Cc2/4	6.03	54.00	✓	Straight	Straight Movement
	5	**2**	B/4	Cc2/5	8.14	40.00	✓	Straight	Straight Movement
	6	**2**	B/4	Cc2/6	7.93	40.00	✓	Straight	Straight Movement
TC9	**2**	**2**	49/1	TC9/2	11.07	30.00	✓	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
53	**1**	**2**	B/3	53/1	5.27	30.00	✓	Offside	40.30
	2	**2**	B/4	53/2	5.07	30.00	✓	Offside	36.99
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
Dcf	**4**	**3**	Cc2/5	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
Fc	**1**	**3**	52/1	Fc/1	21.44	30.00	✓	Offside	13.89
	2	**3**	52/2	Fc/2	21.02	30.00	✓	Offside	10.58
xA	**2**	**3**	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
xF	**1**	**3**	52/1	xF/1	19.00	30.00	✓	Offside	19.56
Cc2	**3**	**3**	B/2	Cc2/3	10.93	30.00	✓	Straight	Straight Movement

	5	**3**	B/3	Cc2/5	10.86	30.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

Traffic Stream	Description	Controlling type	Controlling traffic stream	Percentage opposing (%)	Slope coefficient	Upstream signals visible
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

Pedestrian Crossings - Signals

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

16	TC777-1	H	
17	TC777-2	K	

Pedestrian Crossings - Sides

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

Pedestrian Crossings - Modelling

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

Local OD Matrix - Local Matrix: 1

Local Matrix Options

OD Matrix	Name	Use for point to point table	Allocation mode	Allow paths past exit locations	Allow looped paths on arms	Allow looped paths on traffic nodes	Copy flows	Matrix to copy flows from	Limit paths by length	Path length limit multiplier	Limit paths by number	Path number limit	Limit paths by flow	Low path flow threshold
1	(untitled)	✓	User Equilibrium			✓								

Note: Auto Calculate disabled on this Local Matrix - Paths and Flow Allocation might not be up to date.

Normal Input Flows (PCU/hr)

		To							
		A28	**B28**	**C28**	**D28**	**E28**	**F28**	**G28**	**H28**
From	**A28**	0	48	375	2	433	122	797	0
	B28	35	0	104	256	547	36	471	0
	C28	567	41	0	335	159	42	1055	0
	D28	3	204	255	0	38	103	219	0
	E28	470	454	74	50	0	36	186	0
	F28	64	13	17	60	8	0	34	0
	G28	318	123	347	114	199	60	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	32	l1	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	470
	49	l1	C28	D28	Df/1, D/1, Ecf/2, Ec/1, xF/1	Normal	335
	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	132
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	36
	100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Normal	212
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	309
	103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
	105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	0
	107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	48
	110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	54
	112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	34
	113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	64
	115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	9
	125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	208
	137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	0
	138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	0
	140		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	271
	141		B28	F28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	36
	142		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	144		B28	G28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	200
	145		B28	H28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	146		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	147		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	148		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	149		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	35
	150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	242
	151		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	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	13
	154		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	155		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	156		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	157		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	158		A28	G28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	159		A28	H28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	160		B28	D28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	256
	161		B28	E28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	224
	162		B28	D28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	163		B28	E28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	164		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	165		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	95
	167		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	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	10
	170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	113
	171		G28	H28	49/1, TC9/1, TC43/1	Normal	0
	172		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	173		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	174		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	175		A28	D28	50/1, Bf/2, B/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	1
	176		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	177		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	178		B28	E28	48/1, Cf/1, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	210
	179		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	113
	180		A28	H28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	181		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	17
	182		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	183		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	184		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0

	185		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	0
	186		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	66
	187		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	188		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	189		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	190		G28	D28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	191		D28	F28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	192		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	193		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	194		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	219
	196		D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	103
	197		D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	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	204
	200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	201		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	7
	202		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	4
	203		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	204		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	205		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	206		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	207		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	208		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	209		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	210		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	211		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	212		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	213		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	214		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	215		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	216		A28	G28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	547
	217		A28	H28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, xA/2, TC5/4, TC43/1	Normal	0

	218		A28	A28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	219		A28	C28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	220		A28	B28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	221		A28	B28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	222		A28	D28	50/1, Bf/2, B/3, 53/1, 52/1, xF/1	Normal	0
	223		A28	G28	50/1, Bf/2, B/3, 53/1, 52/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	250
	224		A28	F28	50/1, Bf/2, B/3, 53/1, 52/1, Fc/1, xA/1, TC35/1	Normal	122
	225		A28	G28	50/1, Bf/2, B/3, 53/1, 52/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	226		A28	H28	50/1, Bf/2, B/3, 53/1, 52/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	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
	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	74
	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
	252		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	283		E28	B28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	284		E28	B28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	285		E28	B28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	286		E28	B28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	307		G28	C28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	112
	317		C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	602
	318		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	319		C28	B28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	320		C28	B28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	322		C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	441
	323		C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	42
	324		C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	12
	325		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	330		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	567
	331		C28	B28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	332		C28	B28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	334		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	342		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0

	343		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	41
	364		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	379		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	380		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	381		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	382		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	383		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	384		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	385		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	386		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	387		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	388		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	389		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	390		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	391		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	392		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	393		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	394		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	395		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	396		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	397		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	398		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	399		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	400		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	401		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	402		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	403		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	404		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	405		A28	F28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	406		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	407		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	408		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	409		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0

	410		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	411		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	412		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	413		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	414		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	415		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	417		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	418		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	28
	423		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
	424		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	425		E28	C28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	428		E28	C28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	431		D28	C28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	255
	439		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	37
	440		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	441		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	442		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	443		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	444		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	445		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	446		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	447		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	448		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	449		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	450		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	451		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	52
	452		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	162
	453		A28	D28	50/1, Bf/2, B/4, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	454		A28	E28	50/1, Bf/2, B/4, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	455		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	456		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	457		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	458		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	38

	459		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	460		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	1
	461		A28	E28	50/1, Bf/2, B/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	62
	462		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	463		A28	F28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	464		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	465		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	371
	466		A28	D28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	1
	467		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	62
	468		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	469		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC35/1	Normal	60
	470		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	471		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	472		A28	D28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	473		B28	D28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	474		C28	D28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	475		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	476		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	477		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	478		D28	F28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC35/1	Normal	0
	479		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	480		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	481		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	482		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	483		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC35/1	Normal	0
	484		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	485		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	486		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	56
	487		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC35/1	Normal	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 sat flow (PCU/hr)	Actual green (s (per cycle))	Calculated capacity (PCU/hr)	Degree of saturation (%)	Practical reserve capacity (%)	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	JourneyTime (s)
07:30-08:30	A	1	(untitled)	E	382	2050	32	581	66	37	20.56	7.66	59.24	26.14
		2	(untitled)	E	181	2050	32	581	31	189	13.86	2.46	18.42	19.61
		3	(untitled)	E	294	2050	32	581	51	78	20.39	4.90	35.94	26.27
		4	(untitled)	E	315	2050	32	313	101	-11	236.99	22.85	164.02	243.00
	Ac	1	(untitled)	D	629	2263	68	1320	48	89	1.74	2.58	15.46	8.93
		2	(untitled)	D	459	2263	68	1274	36	150	19.91	8.58	53.45	29.41
		3	(untitled)	D	112	2263	68	731	15	488	13.15	2.33	15.25	19.74
	Acf	1	(untitled)		1088	2263	120	2263	48	87	0.74	0.22	1.84	5.96
		2	(untitled)		112	2263	120	2263	5	1718	0.04	0.00	0.01	7.28
	Af	1	(untitled)		563	2050	120	2050	27	228	0.33	0.05	0.56	6.76
		2	(untitled)		295	2050	120	2050	14	526	0.15	0.01	0.13	6.53
		3	(untitled)		316	2050	120	315	100	-10	176.49	17.37	188.35	182.85
	B	1	(untitled)	B	87	2050	34	615	14	534	10.94	2.33	14.16	18.04
		2	(untitled)	B	107	2150	34	645	17	442	11.15	2.34	13.82	18.44
		3	(untitled)	B	111	2100	34	112	100	-10	651.39	21.02	121.22	658.87
		4	(untitled)	B	140	2050	34	615	23	294	24.73	2.37	13.32	37.02
	Bc	1	(untitled)	A	640	2050	62	1093	59	54	20.24	12.01	51.97	32.20
		2	(untitled)	A	370	2050	62	1093	34	166	1.55	2.02	8.83	13.38
		3	(untitled)	A	351	2050	62	333	106	-15	331.15	35.87	158.53	342.86
	Bcf	1	(untitled)		1011	2263	120	2263	45	101	0.64	0.18	1.65	4.89
		2	(untitled)		640	2263	120	2263	28	218	0.31	0.06	0.51	5.02
		3	(untitled)		370	2263	120	2263	16	450	0.16	0.02	0.15	6.24

		4	(untitled)		351	2263	120	351	100	-10	169.05	19.21	177.05	175.36
	Bf	1	(untitled)		189	1800	120	1800	11	757	0.12	0.01	0.02	27.45
		2	(untitled)		233	1800	120	252	93	-3	579.69	42.97	108.17	607.11
	C	1	(untitled)	G	87	2100	36	665	13	590	16.60	1.46	6.93	31.14
		2	(untitled)	G	669	2200	36	697	96	-6	113.60	27.63	129.44	128.32
		3	(untitled)	G	452	2050	36	649	70	29	32.80	8.32	38.45	47.72
	Cf	1	(untitled)		662	1965	120	662	100	-10	151.80	37.02	147.21	169.15
		2	(untitled)		546	1965	120	1165	47	92	7.09	6.09	24.03	24.59
	D	1	(untitled)	B	46	2050	22	410	11	707	30.27	0.52	5.43	34.39
		2	(untitled)	B	46	1850	22	46	100	-10	947.84	12.25	128.09	951.96
		3	(untitled)	B	135	2250	22	135	100	-10	319.11	12.31	133.83	323.08
		4	(untitled)	B	136	2250	22	450	30	197	21.69	2.38	24.74	25.84
	Dc	1	(untitled)	A	397	2100	78	1400	28	217	2.05	2.19	24.77	8.16
		2	(untitled)	A	621	2100	78	618	101	-11	104.32	20.15	236.59	110.20
		3	(untitled)	A	256	2100	78	495	52	74	33.83	4.66	57.02	39.47
		4	(untitled)	A	196	2100	78	631	31	190	25.47	3.34	42.61	30.88
	Dcf	1	(untitled)		457	2050	120	2050	22	304	0.25	0.03	0.28	5.16
		2	(untitled)		365	2100	120	2100	17	417	0.18	0.02	0.16	5.08
		3	(untitled)		397	2100	120	2100	19	376	0.20	0.02	0.19	6.07
		4	(untitled)		620	2100	120	621	100	-10	102.47	21.33	181.16	108.63
		5	(untitled)		256	2100	120	2100	12	638	0.12	0.01	0.07	5.08
		6	(untitled)		196	2050	120	2050	10	842	0.09	0.01	0.04	8.03
	Df	1	(untitled)		989	1900	120	92	1081	-92	1635.60	451.82	1298.98	1659.60
		2	(untitled)		1210	2250	120	271	446	-80	1401.38	473.91	1362.50	1425.38
	Dxp	1	(untitled)	D	688	2050	103	1777	39	132	1.40	1.46	18.35	4.83
		2	(untitled)	D	467	2050	103	1777	26	242	0.48	3.50	41.83	4.09
	Ec	1	(untitled)	F	287	2150	14	287	100	-10	174.87	15.01	172.34	178.63
		2	(untitled)	F	302	2263	14	302	100	-10	169.92	15.17	180.09	173.55
		3	(untitled)	F	302	2263	14	302	100	-10	169.92	15.17	186.47	173.42
		4	(untitled)	F	156	2250	14	300	52	73	22.47	2.89	36.79	27.88
	Ecf	1	(untitled)		412	2100	120	2099	20	359	0.21	2.34	29.33	3.66
		2	(untitled)		649	2100	120	641	101	-11	103.86	21.16	262.34	107.33

	3	(untitled)		302	2263	120	302	100	-10	170.39	15.34	187.90	174.23
	4	(untitled)		302	2300	120	302	100	-10	160.61	14.88	180.05	165.13
	5	(untitled)		166	2300	120	2300	7	1151	0.06	0.00	0.03	5.50
Ef	1	(untitled)		816	1900	120	1900	43	110	0.71	0.16	0.73	16.02
	2	(untitled)		454	1900	120	1900	24	277	0.30	0.04	0.17	15.60
Exp	1	(untitled)	L	412	2050	99	1708	24	273	3.27	4.91	54.52	7.16
	2	(untitled)	L	355	2050	99	1708	21	334	0.28	0.03	0.30	4.31
F	1	(untitled)	B	322	2100	26	490	66	37	27.77	5.26	35.54	34.16
	2	(untitled)	B	462	2100	26	490	94	-5	64.41	12.33	82.72	70.84
	3	(untitled)	B	38	2100	26	490	8	1061	18.33	0.49	3.22	24.87
Fc	1	(untitled)	A	588	2263	74	1433	41	119	2.93	3.04	9.80	22.42
	2	(untitled)	A	493	2263	74	1432	34	161	2.65	4.86	15.96	21.69
	3	(untitled)	A	700	2263	74	1433	49	84	3.91	2.06	6.57	23.80
Ff	1	(untitled)		784	1900	120	1900	41	118	0.66	0.14	0.30	33.75
	2	(untitled)		38	1900	120	1900	2	4400	0.02	0.00	0.00	33.07
G	1	(untitled)	F	242	2050	34	600	40	123	11.45	3.69	13.67	27.43
	2	(untitled)	F	221	2050	34	603	37	145	11.97	4.76	18.02	23.36
Gf	1	(untitled)		242	2050	120	2050	12	662	0.12	0.01	0.11	3.15
	2	(untitled)		212	2050	120	2050	10	770	0.10	0.01	0.09	3.11
xA	1	(untitled)		909	2263	120	1938	47	92	3.18	5.15	12.89	20.40
	2	(untitled)		494	2263	120	1867	26	240	6.90	7.12	17.79	24.15
xB	1	(untitled)		1011	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	1	(untitled)		469	1900	120	1438	33	176	3.88	4.82	23.97	12.55
	2	(untitled)		346	1900	120	1389	25	261	4.56	4.71	23.35	13.26
xD	1	(untitled)		688	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.11
	2	(untitled)		467	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.16
xE	1	(untitled)		412	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		355	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	1	(untitled)		458	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.76
Cc1	1	(untitled)	E	352	2050	58	1025	34	162	12.20	2.88	17.28	18.67
E1	1	(untitled)	G	272	2050	58	1025	27	239	9.29	2.52	18.08	15.29
	2	(untitled)	G	544	2200	58	1100	49	82	11.57	5.48	39.42	17.57

Gf1	**1**	(untitled)		9	705	120	705	1	6803	0.03	0.00	0.00	5.77
Cc2	**2**	(untitled)	D	378	2150	60	1102	34	163	10.58	3.81	23.95	21.00
	3	(untitled)	D	131	2050	60	1059	12	629	5.58	1.50	9.49	16.51
	4	(untitled)	D	357	2150	60	1105	32	179	19.64	6.30	40.08	25.76
	5	(untitled)	D	215	2050	60	215	100	-10	327.59	21.09	134.00	333.98
	6	(untitled)	D	0	2050	60	1059	0	Unrestricted	0.00	0.00	0.00	0.00
E2	**3**	(untitled)	H	242	2150	62	1142	21	325	7.84	2.35	25.33	11.84
	4	(untitled)	H	212	2050	62	1093	19	364	7.70	2.34	24.79	11.77
TC5	**2**	(untitled)	A	679	2263	95	1829	37	142	3.04	3.01	75.11	5.81
	3	(untitled)	A	498	2263	95	1829	27	230	4.20	2.95	73.67	6.96
	4	(untitled)	C	0	1800	7	120	0	Unrestricted	0.00	0.00	0.00	0.00
TC9	**1**	(untitled)	B	469	1925	84	1396	34	168	6.65	5.19	32.54	17.66
	2	(untitled)	B	301	1966	84	1425	21	326	3.03	1.48	9.21	14.09
	3	(untitled)	B	259	1947	84	260	100	-10	295.73	23.43	145.37	306.86
TC35	**1**	(untitled)	A	249	1900	95	1536	16	455	3.21	1.46	34.87	6.11
TC36	**1**	(untitled)		195	1800	120	1800	11	731	0.12	0.01	0.15	3.15
TC37	**1**	(untitled)	J	34	1850	103	1603	2	4144	1.16	0.15	1.96	4.35
TC38	**1**	(untitled)		34	500	120	500	7	1224	1.36	2.42	65.21	2.90
TC39	**2**	(untitled)		679	2263	120	2263	30	200	0.34	0.06	1.05	2.88
	3	(untitled)		498	2263	120	2263	22	309	0.22	0.03	0.54	2.62
TC40	**2**	(untitled)		713	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
	3	(untitled)		498	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
TC41	**1**	(untitled)	D	161	1850	14	231	70	29	67.44	5.68	59.78	71.38
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)		815	1300	120	1300	63	44	2.32	0.52	2.26	18.35
48	**1**	(untitled)		1449	1965	120	1208	120	-25	314.69	142.76	1489.13	321.30
49	**1**	(untitled)		581	1900	120	1900	31	194	0.42	0.07	1.47	3.57
	2	(untitled)		581	1900	120	449	129	-30	438.03	82.50	1807.55	441.18
50	**1**	(untitled)		1776	1900	120	422	421	-79	1375.13	690.73	8249.21	1380.91
51	**1**	(untitled)		822	1900	120	1900	43	108	0.72	0.16	2.53	5.22
52	**1**		A	234	1800	14	240	97	-8	297.48	23.74	78.90	318.24
	2		A	130	1800	14	240	54	66	46.92	2.92	9.69	67.70

	53	1			229	1800	120	1800	13	607	0.15	0.01	0.12	5.42
		2			130	1800	120	1800	7	1147	0.08	0.50	6.87	5.15

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	38	69	31	1	7
	2	✓	2	B	76	93	17	1	7
	3		1	A	98	9	31	1	7
	4		2	B	16	33	17	1	7
769-2	1	✓	4	D,E,H,I	87	111	24	1	3
	2	✓	5	F,G,J,K	2	13	11	1	8
	3		4	D,E,H,I	27	51	24	1	3
	4		5	F,G,J,K	62	73	11	1	8
770-1	1	✓	1	A,C	81	118	37	1	5
	2	✓	2	B	5	16	11	1	7
	3		1	A,C	21	58	37	1	5
	4		2	B	65	76	11	1	7
770-2	1	✓	4	D	23	6	103	1	7
	2	✓	5	E	11	16	5	1	5
770-3	1	✓	4	A	18	25	7	1	7
	2	✓	7	F,I,J	30	33	3	1	3
	3	✓	9	G,H	44	73	29	1	4
	4		4	A	78	85	7	1	7
	5		7	F,I,J	90	93	3	1	3
	6		9	G,H	104	13	29	1	4
770-4	1	✓	11	L	96	75	99	1	7
	2	✓	12	M	80	89	9	1	6
771-1	1	✓	1	A,C	43	74	31	1	9
	2	✓	3	B	85	98	13	1	7
	3		1	A,C	103	14	31	1	9
	4		3	B	25	38	13	1	7
771-2	1	✓	5	D	58	92	34	1	7
	2	✓	6	E	97	113	16	1	7
	3		5	D	118	32	34	1	7
	4		6	E	37	53	16	1	7
TC777-1	1	✓	1	A,B,F	84	47	83	1	6
	2	✓	2	A,C,F,G	52	59	7	1	7
	3	✓	5	D,H,I	66	78	12	1	6
TC777-2	1	✓	1	J	58	41	103	1	7
	2	✓	2	K	46	53	7	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	**A**	A	7	300	0	0	Traffic
	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**	✓	74.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	2	✓	76.69	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	3	✓	78.40	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	4	✓	80.11	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0

Ac	**1**	✓	95.80	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	92.34	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	50
	3	✓	87.95	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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	20	0
	2	✓	97.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	20	0
	3	✓	99.69	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	4	✓	102.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Bc	**1**	✓	132.85	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	2	✓	131.47	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	3	✓	130.10	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
Bcf	**1**	✓	62.77	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	62.62	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.46	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	62.38	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	20	0
	2	✓	122.73	CTM	0.00	Normal	✓	✓		Directly entered	2200	20	0
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
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	20	0
	2		55.00	CTM	0.00	Normal	✓	✓		Directly entered	1850	20	0
	3	✓	52.87	CTM	0.00	Normal	✓	✓		Directly entered	2250	20	0
	4	✓	55.42	CTM	0.00	Normal	✓	✓		Directly entered	2250	20	0
Dc	**1**	✓	50.91	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	2	✓	48.96	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500

	3	✓	47.02	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	4	✓	45.07	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
Dcf	**1**	✓	65.43	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	65.28	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	65.54	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	67.69	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	66.13	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	6	✓	66.17	CTM	0.00	Normal	✓			Directly entered	2050	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**	✓	45.75	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	48.11	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ec	**1**	✓	50.09	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	46.77	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	4	✓	45.11	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	500
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	✓	46.95	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	47.51	CTM	0.00	Normal	✓			Directly entered	2300	100	100
	5	✓	48.55	CTM	0.00	Normal	✓			Directly entered	2300	100	100
Ef	**1**	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	**1**	✓	51.83	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.71	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	**1**	✓	85.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	3	✓	87.25	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
Fc	**1**	✓	178.68	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	175.19	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	180.28	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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	500
	2	✓	151.80	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
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**	✓	121.44	NetworkDefault	0.00	Normal						100	100
	2	✓	122.12	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**	✓	158.35	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	20	0
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	20	0
Gf1	**1**	✓	47.81	NetworkDefault	0.00	Normal			✓			100	100
Cc2	**2**	✓	91.52	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	3	✓	91.11	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	4	✓	90.39	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	5	✓	90.48	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	6	✓	88.08	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
E2	**3**	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	20	0
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
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	✓	92.21	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
52	1	✓	173.00	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	500
	2	✓	173.18	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	500
53	1	✓	43.95	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
	2	✓	42.23	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100

Data entry - Link

Results - Pedestrian

Pedestrian Crossings: Pedestrian summary

Time Segment	Pedestrian crossing	Side	Calculated Flow Entering (Ped/hr)	Degree of saturation (%)	Actual green (s (per cycle))	Mean Delay Per Ped (s)	Mean max queue (Ped)
07:30-08:30	1	1	0	0	5	0.00	0.00
		2	0	0	5	0.00	0.00
	2	1	0	0	74	0.00	0.00
		2	0	0	74	0.00	0.00
	3	1	0	0	9	0.00	0.00
		2	0	0	9	0.00	0.00
	4	1	0	0	20	0.00	0.00
		2	0	0	20	0.00	0.00
	5	1	0	0	24	0.00	0.00
		2	0	0	24	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	62	0.00	0.00
	2	0	0	62	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	26	0.00	0.00
	2	0	0	26	0.00	0.00
10	1	0	0	38	0.00	0.00
	2	0	0	38	0.00	0.00
11	1	0	0	58	0.00	0.00
	2	0	0	58	0.00	0.00
12	1	0	0	56	0.00	0.00
	2	0	0	56	0.00	0.00
13	1	0	0	14	0.00	0.00
	2	0	0	14	0.00	0.00
14	1	0	0	96	0.00	0.00
	2	0	0	96	0.00	0.00
15	1	0	0	7	0.00	0.00
	2	0	0	7	0.00	0.00
16	1	0	0	12	0.00	0.00
	2	0	0	12	0.00	0.00
17	1	0	0	7	0.00	0.00
	2	0	0	7	0.00	0.00

Collections

Point to Point Journey Time

Note: Auto Calculate disabled on this Local Matrix (Paths and Flow Allocation might not be up to date).

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	0.0	1472.5	1457.8	1202.2	1741.0	3022.1	2435.9	0.0
	B28	528.0	0.0	546.4	1133.2	748.3	834.9	833.8	0.0
	C28	1525.1	1534.9	0.0	1982.2	1717.4	3008.4	2521.2	0.0
	D28	149.5	224.6	228.2	0.0	1289.0	94.3	101.6	0.0
	E28	83.9	89.3	122.1	43.2	0.0	82.3	89.3	0.0
	F28	123.5	192.1	183.6	1357.6	174.7	0.0	14.6	0.0
	G28	64.3	130.8	381.9	2258.4	2054.8	2055.4	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)
32	C28	E28	159	1717.44	526.66	0.00	0.00	0.00	159	1717.44	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	470	83.91	693.15	0.00	0.00	0.00	470	83.91	693.15
49	C28	D28	335	1982.21	509.82	0.00	0.00	0.00	335	1982.21	509.82
50	E28	D28	50	43.19	365.90	0.00	0.00	0.00	50	43.19	365.90
68	E28	G28	132	89.59	732.90	0.00	0.00	0.00	132	89.59	732.90

92	E28	F28	36	82.27	640.05	0.00	0.00	0.00	36	82.27	640.05
100	E28	B28	212	86.26	623.35	0.00	0.00	0.00	212	86.26	623.35
102	A28	C28	309	1456.86	694.76	0.00	0.00	0.00	309	1456.86	694.76
103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
107	A28	B28	48	1472.45	716.08	0.00	0.00	0.00	48	1472.45	716.08
110	E28	G28	54	88.64	724.83	0.00	0.00	0.00	54	88.64	724.83
112	F28	G28	34	14.62	149.60	0.00	0.00	0.00	34	14.62	149.60
113	F28	A28	64	123.52	347.66	0.00	0.00	0.00	64	123.52	347.66
115	B28	C28	9	545.92	556.36	0.00	0.00	0.00	9	545.92	556.36
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
130	G28	C28	208	559.76	769.88	0.00	0.00	0.00	208	559.76	769.88
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
140	B28	G28	271	842.44	1059.21	0.00	0.00	0.00	271	842.44	1059.21
141	B28	F28	36	834.88	966.36	0.00	0.00	0.00	36	834.88	966.36
142	B28	G28	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	B28	G28	200	822.15	1048.14	0.00	0.00	0.00	200	822.15	1048.14
145	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
146	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
147	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
148	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
149	B28	A28	35	528.00	1015.84	0.00	0.00	0.00	35	528.00	1015.84
150	E28	B28	242	91.94	625.89	0.00	0.00	0.00	242	91.94	625.89
151	B28	B28	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	13	192.08	750.62	0.00	0.00	0.00	13	192.08	750.62
154	E28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
155	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
156	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
159	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
160	B28	D28	256	1133.24	693.92	0.00	0.00	0.00	256	1133.24	693.92
161	B28	E28	224	954.78	713.02	0.00	0.00	0.00	224	954.78	713.02
162	B28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
163	B28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
164	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
165	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
166	B28	C28	95	546.42	553.47	0.00	0.00	0.00	95	546.42	553.47
167	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
168	G28	A28	318	64.25	385.76	0.00	0.00	0.00	318	64.25	385.76
169	G28	B28	10	129.89	788.72	0.00	0.00	0.00	10	129.89	788.72
170	G28	B28	113	130.91	789.10	0.00	0.00	0.00	113	130.91	789.10
171	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
172	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
173	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
174	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
175	A28	D28	1	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00
176	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
177	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
178	B28	E28	210	659.10	710.57	0.00	0.00	0.00	210	659.10	710.57
179	B28	E28	113	505.81	711.82	0.00	0.00	0.00	113	505.81	711.82
180	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
181	F28	C28	17	183.60	729.68	0.00	0.00	0.00	17	183.60	729.68

182	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
183	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
184	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
185	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
186	A28	C28	66	1462.03	699.04	0.00	0.00	0.00	66	1462.03	699.04
187	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
188	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
189	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
190	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
191	D28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
192	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
193	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
194	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
195	D28	G28	219	101.62	744.99	0.00	0.00	0.00	219	101.62	744.99
196	D28	F28	103	94.30	652.14	0.00	0.00	0.00	103	94.30	652.14
197	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
198	D28	A28	3	149.48	704.24	0.00	0.00	0.00	3	149.48	704.24
199	D28	B28	204	224.63	1101.39	0.00	0.00	0.00	204	224.63	1101.39
200	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
201	F28	E28	7	194.97	884.60	0.00	0.00	0.00	7	194.97	884.60
202	F28	D28	4	682.98	867.96	0.00	0.00	0.00	4	682.98	867.96
203	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
204	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
205	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
206	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
207	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
208	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
209	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
210	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
211	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
212	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
213	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
214	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
215	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
216	A28	G28	547	2164.89	1111.71	0.00	0.00	0.00	547	2164.89	1111.71
217	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
218	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
219	A28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
220	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
221	A28	B28	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	G28	250	3029.57	1118.58	0.00	0.00	0.00	250	3029.57	1118.58
224	A28	F28	122	3022.07	1025.73	0.00	0.00	0.00	122	3022.07	1025.73
225	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
226	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
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
246	E28	C28	74	122.14	1066.04	0.00	0.00	0.00	74	122.14	1066.04
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
252	F28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
283	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
284	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
285	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
286	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
307	G28	C28	112	116.48	769.88	0.00	0.00	0.00	112	116.48	769.88

317	C28	G28	602	2149.71	864.44	0.00	0.00	0.00	602	2149.71	864.44
318	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
319	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
320	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
322	C28	G28	441	3015.72	875.73	0.00	0.00	0.00	441	3015.72	875.73
323	C28	F28	42	3008.39	782.88	0.00	0.00	0.00	42	3008.39	782.88
324	C28	G28	12	3016.18	871.15	0.00	0.00	0.00	12	3016.18	871.15
325	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
330	C28	A28	567	1525.06	834.69	0.00	0.00	0.00	567	1525.06	834.69
331	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
332	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
334	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
342	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
343	C28	B28	41	1534.87	753.20	0.00	0.00	0.00	41	1534.87	753.20
364	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
379	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
380	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
381	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
382	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
383	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
384	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
385	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
386	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
387	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
388	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
389	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
390	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
391	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
392	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
393	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
394	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
395	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
396	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
397	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
398	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
399	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
400	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
401	G28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
402	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
403	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
404	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
405	A28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
406	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
407	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
408	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
409	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
410	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
411	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
412	F28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
413	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
414	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
415	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
417	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
418	G28	C28	28	120.79	767.78	0.00	0.00	0.00	28	120.79	767.78
423	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
424	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

425	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
428	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
431	D28	C28	255	228.18	1080.45	0.00	0.00	0.00	255	228.18	1080.45
439	G28	E28	37	574.17	923.21	0.00	0.00	0.00	37	574.17	923.21
440	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
441	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
442	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
443	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
444	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
445	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
446	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
447	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
448	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
449	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
450	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
451	G28	D28	52	2546.06	906.47	0.00	0.00	0.00	52	2546.06	906.47
452	G28	E28	162	2389.11	925.57	0.00	0.00	0.00	162	2389.11	925.57
453	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
454	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
455	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
456	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
457	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
458	D28	E28	38	1289.01	1232.00	0.00	0.00	0.00	38	1289.01	1232.00
459	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
460	F28	E28	1	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00
461	A28	E28	62	3330.56	857.33	0.00	0.00	0.00	62	3330.56	857.33
462	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
463	A28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
464	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
465	A28	E28	371	1473.95	852.36	0.00	0.00	0.00	371	1473.95	852.36
466	A28	D28	1	1959.81	835.72	0.00	0.00	0.00	1	1959.81	835.72
467	G28	D28	62	2019.32	819.82	0.00	0.00	0.00	62	2019.32	819.82
468	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
469	G28	F28	60	2055.38	1093.97	0.00	0.00	0.00	60	2055.38	1093.97
470	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
471	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
472	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
473	B28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
474	C28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
475	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
476	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
477	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
478	D28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
479	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
480	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
481	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
482	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
483	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
484	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
485	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
486	F28	D28	56	1413.26	780.75	0.00	0.00	0.00	56	1413.26	780.75
487	F28	F28	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 green (s (per cycle))	Wasted time total (s (per cycle))	Degree of saturation (%)	Practical reserve capacity (%)	JourneyTime (s)	Mean Delay per Veh (s)	Mean stops per Veh (%)	Mean max queue (PCU)	Delay weighting multiplier (%)	Stop weighting multiplier (%)	Cost of traffic penalties (£ per hr)	P.I.
A	1	(untitled)	6	771-2	E	382	2050	32	0.00	66	37	26.14	20.56	85.33	7.66	20	0	0.00	6.20
	2	(untitled)	6	771-2	E	181	2050	32	0.00	31	189	19.61	13.86	63.33	2.46	20	0	0.00	1.98
	3	(untitled)	6	771-2	E	294	2050	32	0.00	51	78	26.27	20.39	73.39	4.90	20	0	0.00	4.74
	4	(untitled)	6	771-2	E	315 <	2050	32	15.69	101	-11	243.00	236.99	248.10	22.85 +	20	0	0.00	58.86
Ac	1	(untitled)	6	771-2	D	629	2263	68	18.00	48	89	8.93	1.74	17.47	2.58	100	500	0.00	21.97
	2	(untitled)	6	771-2	D	459	2263	68	44.45	36	150	29.41	19.91	103.03	8.58	100	50	0.00	40.09
	3	(untitled)	6	771-2	D	112	2263	68	32.22	15	488	19.74	13.15	45.67	2.33	100	500	0.00	14.02
Acf	1	(untitled)	6			1088	2263	120	40.00	48	87	5.96	0.74	0.00	0.22	100	100	0.00	3.16
	2	(untitled)	6			112	2263	120	76.00	5	1718	7.28	0.04	0.00	0.00	100	100	0.00	0.02
Af	1	(untitled)	6			563	2050	120	18.00	27	228	6.76	0.33	0.00	0.05	100	100	0.00	0.74
	2	(untitled)	6			295	2050	120	23.00	14	526	6.53	0.15	0.08	0.01	100	100	0.00	0.17
	3	(untitled)	6			316 <	2050	120	101.57	100	-10	182.85	176.49	170.46	17.37 +	100	100	0.00	226.61
B	1	(untitled)	1	769-1	B	87	2050	34	12.00	14	534	18.04	10.94	77.05	2.33	20	0	0.00	0.75
	2	(untitled)	1	769-1	B	107	2150	34	10.00	17	442	18.44	11.15	77.17	2.34	20	0	0.00	0.94
	3	(untitled)	1	769-1	B	111 <	2100	34	29.63	100	-10	658.87	651.39	314.24	21.02 +	20	0	0.00	57.24
	4	(untitled)	1	769-1	B	140	2050	34	27.00	23	294	37.02	24.73	105.16	2.37	20	0	0.00	2.74
Bc	1	(untitled)	1	769-1	A	640	2050	62	2.00	59	54	32.20	20.24	82.46	12.01	100	500	0.00	109.92
	2	(untitled)	1	769-1	A	370	2050	62	8.00	34	166	13.38	1.55	14.48	2.02	100	500	0.00	8.35
	3	(untitled)	1	769-1	A	351 <	2050	62	44.53	106	-15	342.86	331.15	268.59	35.87 +	100	500	130422.62	130979.56
Bcf	1	(untitled)	1			1011	2263	120	34.00	45	101	4.89	0.64	0.00	0.18	100	100	0.00	2.56
	2	(untitled)	1			640	2263	120	58.00	28	218	5.02	0.31	0.00	0.06	100	100	0.00	0.79
	3	(untitled)	1			370	2263	120	48.00	16	450	6.24	0.16	0.00	0.02	100	100	0.00	0.23
	4	(untitled)	1			351 <	2263	120	101.38	100	-10	175.36	169.05	178.87	19.21 +	100	100	0.00	245.96
Bf	1	(untitled)	1			189	1800	120	34.00	11	757	27.45	0.12	3.79	0.01	100	100	0.00	0.18
	2	(untitled)	1			233 <	1800	120	103.21	93	-3	607.11	579.69	381.14	42.97 +	100	100	0.00	545.42
C	1	(untitled)	2	769-2	G	87	2100	36	32.00	13	590	31.14	16.60	100.25	1.46	20	0	0.00	1.14

	2	(untitled)	2	769-2	G	669 <	2200	36	0.00	96	-6	128.32	113.60	212.17	27.63 +	20	0	0.00	59.99
	3	(untitled)	2	769-2	G	452	2050	36	10.00	70	29	47.72	32.80	110.16	8.32	20	0	0.00	11.69
Cf	**1**	(untitled)	2			662 <	1965	120	79.58	100	-10	169.15	151.80	271.75	37.02 +	100	100	0.00	418.89
	2	(untitled)	2			546	1965	120	72.85	47	92	24.59	7.09	59.79	6.09	100	100	0.00	19.36
D	**1**	(untitled)	3	770-1	B	46	2050	22	18.00	11	707	34.39	30.27	68.18	0.52	20	0	0.00	1.09
	2	(untitled)	3	770-1	B	46 <	1850	22	21.03	100	-10	951.96	947.84	357.09	12.25 +	20	0	0.00	34.25
	3	(untitled)	3	770-1	B	135 <	2250	22	16.80	100	-10	323.08	319.11	227.62	12.31 +	20	0	0.00	33.99
	4	(untitled)	3	770-1	B	136	2250	22	10.00	30	197	25.84	21.69	46.49	2.38	20	0	0.00	2.33
Dc	**1**	(untitled)	3	770-1	A	397	2100	78	29.00	28	217	8.16	2.05	32.84	2.19	100	500	0.00	11.39
	2	(untitled)	3	770-1	A	621 <	2100	78	44.70	101	-11	110.20	104.32	140.61	20.15 +	100	500	117163.26	117473.40
	3	(untitled)	3	770-1	A	256	2100	78	63.69	52	74	39.47	33.83	110.02	4.66	100	500	0.00	51.81
	4	(untitled)	3	770-1	A	196	2100	78	67.96	31	190	30.88	25.47	102.28	3.34	100	500	0.00	32.24
Dcf	**1**	(untitled)	3			457	2050	120	73.00	22	304	5.16	0.25	0.00	0.03	100	100	0.00	0.45
	2	(untitled)	3			365	2100	120	75.00	17	417	5.08	0.18	0.00	0.02	100	100	0.00	0.26
	3	(untitled)	3			397	2100	120	55.00	19	376	6.07	0.20	0.00	0.02	100	100	0.00	0.31
	4	(untitled)	3			620 <	2100	120	84.50	100	-10	108.63	102.47	152.92	21.33 +	100	100	0.00	274.20
	5	(untitled)	3			256	2100	120	92.00	12	638	5.08	0.12	0.00	0.01	100	100	0.00	0.12
	6	(untitled)	3			196	2050	120	92.00	10	842	8.03	0.09	0.00	0.01	100	100	0.00	0.07
Df	**1**	(untitled)	3-2			989 <	1900	120	114.22	1081	-92	1659.60	1635.60	2258.74	451.82 +	100	100	0.00	6406.48
	2	(untitled)	3-2			1210 <	2250	120	105.53	446	-80	1425.38	1401.38	990.79	473.91 +	100	100	0.00	6722.20
Dxp	**1**	(untitled)	3-2	770-2	D	688	2050	103	28.00	39	132	4.83	1.40	6.34	1.46	100	100	0.00	5.20
	2	(untitled)	3-2	770-2	D	467	2050	103	46.00	26	242	4.09	0.48	2.67	3.50	100	100	0.00	1.28
Ec	**1**	(untitled)	4	770-3	F	287 <	2150	14	0.00	100	-10	178.63	174.87	205.99	15.01 +	100	500	65196.40	65489.05
	2	(untitled)	4	770-3	F	302 <	2263	14	0.00	100	-10	173.55	169.92	189.26	15.17 +	100	500	68591.11	68884.99
	3	(untitled)	4	770-3	F	302 <	2263	14	0.00	100	-10	173.42	169.92	189.26	15.17 +	100	500	68591.11	68884.99
	4	(untitled)	4	770-3	F	156	2250	14	6.00	52	73	27.88	22.47	112.52	2.89	100	500	0.00	24.88
Ecf	**1**	(untitled)	4			412	2100	120	63.04	20	359	3.66	0.21	0.24	2.34	100	100	0.00	0.37
	2	(untitled)	4			649 <	2100	120	83.34	101	-11	107.33	103.86	125.88	21.16 +	100	100	0.00	291.58
	3	(untitled)	4			302 <	2263	120	104.00	100	-10	174.23	170.39	172.27	15.34 +	100	100	0.00	217.94
	4	(untitled)	4			302 <	2300	120	104.26	100	-10	165.13	160.61	178.09	14.88 +	100	100	0.00	203.70
	5	(untitled)	4			166	2300	120	88.00	7	1151	5.50	0.06	0.00	0.00	100	100	0.00	0.04

Ef	**1**	(untitled)	4			816	1900	120	0.00	43	110	16.02	0.71	0.00	0.16	100	100	0.00	2.29
	2	(untitled)	4			454	1900	120	0.00	24	277	15.60	0.30	0.00	0.04	100	100	0.00	0.53
Exp	**1**	(untitled)	4-2	770-4	L	412	2050	99	50.00	24	273	7.16	3.27	34.73	4.91	100	100	0.00	9.90
	2	(untitled)	4-2	770-4	L	355	2050	99	46.00	21	334	4.31	0.28	0.52	0.03	100	100	0.00	0.45
F	**1**	(untitled)	5	771-1	B	322	2100	26	0.00	66	37	34.16	27.77	91.30	5.26	20	0	0.00	7.05
	2	(untitled)	5	771-1	B	462	2100	26	0.00	94	-5	70.84	64.41	143.12	12.33	20	0	0.00	23.48
	3	(untitled)	5	771-1	B	38	2100	26	26.00	8	1061	24.87	18.33	77.18	0.49	20	0	0.00	0.55
Fc	**1**	(untitled)	5	771-1	A	588	2263	74	15.00	41	119	22.42	2.93	27.31	3.04	100	500	0.00	19.14
	2	(untitled)	5	771-1	A	493	2263	74	39.06	34	161	21.69	2.65	32.81	4.86	100	500	0.00	17.69
	3	(untitled)	5	771-1	A	700	2263	74	24.00	49	84	23.80	3.91	17.65	2.06	100	500	0.00	20.01
Ff	**1**	(untitled)	5			784	1900	120	0.00	41	118	33.75	0.66	0.00	0.14	100	100	0.00	2.06
	2	(untitled)	5			38	1900	120	120.00	2	4400	33.07	0.02	0.00	0.00	100	100	0.00	0.00
G	**1**	(untitled)	2	769-2	F	242	2050	34	0.88	40	123	27.43	11.45	62.92	3.69	100	500	0.00	23.93
	2	(untitled)	2	769-2	F	221	2050	34	0.73	37	145	23.36	11.97	76.06	4.76	100	500	0.00	37.45
Gf	**1**	(untitled)	4			242	2050	120	56.00	12	662	3.15	0.12	0.00	0.01	100	100	0.00	0.11
	2	(untitled)	4			212	2050	120	56.00	10	770	3.11	0.10	0.00	0.01	100	100	0.00	0.08
xA	**1**	(untitled)	10			909	2263	120	41.25	47	92	20.40	3.18	18.58	5.15	100	100	0.00	16.91
	2	(untitled)	10			494	2263	120	88.01	26	240	24.15	6.90	37.59	7.12	100	100	0.00	19.47
xB	**1**	(untitled)				1011	Unrestricted	120	7.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	**1**	(untitled)				469	1900	120	70.21	33	176	12.55	3.88	31.81	4.82	100	100	0.00	11.96
	2	(untitled)				346	1900	120	95.29	25	261	13.26	4.56	52.92	4.71	100	100	0.00	12.11
xD	**1**	(untitled)				688	Unrestricted	120	22.00	0	Unrestricted	9.11	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				467	Unrestricted	120	48.00	0	Unrestricted	9.16	0.00	0.00	0.00	100	100	0.00	0.00
xE	**1**	(untitled)				412	Unrestricted	120	48.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				355	Unrestricted	120	53.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	**1**	(untitled)				458	Unrestricted	120	42.00	0	Unrestricted	13.76	0.00	0.00	0.00	100	100	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	352	2050	58	24.01	34	162	18.67	12.20	46.13	2.88	100	100	0.00	23.44
E1	**1**	(untitled)	4	770-3	G	272	2050	58	0.00	27	239	15.29	9.29	53.27	2.52	20	0	0.00	1.99
	2	(untitled)	4	770-3	G	544	2200	58	0.00	49	82	17.57	11.57	59.59	5.48	20	0	0.00	4.97
Gf1	**1**	(untitled)	4			9	705	120	116.00	1	6803	5.77	0.03	0.00	0.00	100	100	0.00	0.00
Cc2	**2**	(untitled)	2	769-2	D	378	2150	60	21.51	34	163	21.00	10.58	51.38	3.81	100	500	0.00	29.87
	3	(untitled)	2	769-2	D	131	2050	60	35.00	12	629	16.51	5.58	35.11	1.50	100	500	0.00	5.79

	4	(untitled)	2	769-2	D	357	2150	60	23.35	32	179	25.76	19.64	84.59	6.30	100	500	0.00	87.68
	5	(untitled)	2	769-2	D	215 <	2050	60	49.40	100	-10	333.98	327.59	234.86	21.09 +	100	500	58143.51	58518.58
	6	(untitled)	2	769-2	D	0	2050	60	62.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	500	0.00	0.00
E2	**3**	(untitled)	4	770-3	H	242	2150	62	0.28	21	325	11.84	7.84	47.37	2.35	20	0	0.00	1.50
	4	(untitled)	4	770-3	H	212	2050	62	0.00	19	364	11.77	7.70	47.33	2.34	20	0	0.00	1.29
TC5	**2**	(untitled)	TC771-6	TC777-1	A	679	2263	95	21.00	37	142	5.81	3.04	13.29	3.01	100	100	0.00	9.29
	3	(untitled)	TC771-6	TC777-1	A	498	2263	95	65.00	27	230	6.96	4.20	17.76	2.95	100	100	0.00	9.37
	4	(untitled)	TC771-6	TC777-1	C	0	1800	7	8.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC9	**1**	(untitled)	TC771-6	TC777-1	B	469	1925	84	0.00	34	168	17.66	6.65	33.18	5.19	100	100	0.00	14.26
	2	(untitled)	TC771-6	TC777-1	B	301	1966	84	0.00	21	326	14.09	3.03	17.35	1.48	100	100	0.00	4.21
	3	(untitled)	TC771-6	TC777-1	B	259 <	1947	84	70.98	100	-10	306.86	295.73	305.32	23.43 +	100	100	0.00	312.63
TC35	**1**	(untitled)	TC771-6	TC777-1	A	249	1900	95	38.00	16	455	6.11	3.21	15.13	1.46	100	100	0.00	3.62
TC36	**1**	(untitled)	TC771-6			195	1800	120	0.00	11	731	3.15	0.12	0.00	0.01	100	100	0.00	0.09
TC37	**1**	(untitled)	TC771-6	TC777-2	J	34	1850	103	103.00	2	4144	4.35	1.16	13.35	0.15	100	100	0.00	0.31
TC38	**1**	(untitled)	TC771-6			34	500	120	91.00	7	1224	2.90	1.36	20.66	2.42	100	100	0.00	0.43
TC39	**2**	(untitled)	TC771-6			679	2263	120	44.00	30	200	2.88	0.34	0.00	0.06	100	100	0.00	0.91
	3	(untitled)	TC771-6			498	2263	120	88.00	22	309	2.62	0.22	0.00	0.03	100	100	0.00	0.44
TC40	**2**	(untitled)	TC771-6			713	Unrestricted	120	26.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC771-6			498	Unrestricted	120	72.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
TC41	**1**	(untitled)	TC771-6	TC777-1	D	161	1850	14	0.00	70	29	71.38	67.44	103.98	5.68	100	100	0.00	48.66
TC42	**1**	(untitled)	TC771-6	TC777-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC43	**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			815	1300	120	35.00	63	44	18.35	2.32	0.00	0.52	100	100	0.00	7.45
48	**1**	(untitled)	2			1449 <	1965	120	46.23	120	-25	321.30	314.69	320.71	142.76 +	100	100	0.00	1847.16
49	**1**	(untitled)	TC771-6			581	1900	120	0.00	31	194	3.57	0.42	0.00	0.07	100	100	0.00	0.96

	2	(untitled)	TC 771-6			581 <	1900	120	91.66	129	-30	441.18	438.03	311.94	82.50 +	100	100	0.00	1021.39
50	1	(untitled)	1			1776 <	1900	120	93.33	421	-79	1380.91	1375.13	936.88	690.73 +	100	100	0.00	9682.85
51	1	(untitled)	4-2			822	1900	120	0.00	43	108	5.22	0.72	0.00	0.16	100	100	0.00	2.34
52	1		1	770-3	A	234	1800	14	0.00	97	-8	318.24	297.48	470.07	23.74	100	500	0.00	341.48
	2		1	770-3	A	130	1800	14	6.00	54	66	67.70	46.92	110.45	2.92	100	500	0.00	33.56
53	1		2			229	1800	120	23.00	13	607	5.42	0.15	0.00	0.01	100	100	0.00	0.13
	2		2			130	1800	120	101.00	7	1147	5.15	0.08	0.09	0.50	100	100	0.00	0.04

Pedestrian Crossing Results

				SIGNALS		FLOWS		PERFORMANCE			PER PED		QUEUES	WEIGHTS	PENALTIES	P.I.
Pedestrian	Side	Name	Traffic node	Controller stream	Phase	Calculated Flowing (Ped/hr)	Calculated sat flow (Ped/hr)	Actual green (s (per cycle))	Degree of saturation (%)	Practical reserve capacity	Journey Time (s)	Mean Delay per Ped (s)	Mean max queue (Ped)	Delay weighting (%)	Cost of traffic penalties (£ per hr)	P.I.
1	1	(untitled)	3-2	770-2	E	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3-2	770-2	E	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
2	1	(untitled)	3	770-1	C	0	11000	74	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3	770-1	C	0	11000	74	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
3	1	(untitled)	4-2	770-4	M	0	11000	9	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4-2	770-4	M	0	11000	9	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
4	1	(untitled)	4	770-3	J	0	11000	20	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	J	0	11000	20	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	1	(untitled)	4	770-3	I	0	11000	24	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	I	0	11000	24	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	62	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	62	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	26	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	J	0	11000	26	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
10	1	(untitled)	2	769-2	K	0	11000	38	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

	2	(untitled)	2	769-2	K	0	11000	38	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	**1**	(untitled)		769-2	H	0	11000	58	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	58	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	**1**	(untitled)	2	769-2	I	0	11000	56	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	56	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
13	**1**	(untitled)		TC777-1	I	0	11000	14	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	I	0	11000	14	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
14	**1**	(untitled)		TC777-1	F	0	11000	96	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	F	0	11000	96	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
15	**1**	(untitled)		TC777-1	G	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	G	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
16	**1**	(untitled)		TC777-1	H	0	11000	12	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	H	0	11000	12	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
17	**1**	(untitled)		TC777-2	K	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-2	K	0	11000	7	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	4652.73	2383.10	1.95	2255.98	30759.90	1266.87	508108.01	540134.78
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	4652.73	2383.10	1.95	2255.98	30759.90	1266.87	508108.01	540134.78

- *< = 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

For sales and distribution information, program advice and maintenance, contact TRL:
+44 (0)1344 379777 software@trl.co.uk www.trlsoftware.co.uk

Filename: M62 JN 28 CRF Scheme_Mar 20_PF_Sept 20_RevC_mitigation DS_optA+B_2019+Com+CP+Dev_05.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Option A+B
Report generation date: 24/01/2021 14:18:53

Summary of network performance

	Set ID	Cycle time (s)	PI (£ per hr)	Total delay (PCU-hr/hr)	Highest DOS	Number oversaturated
	PM Base 2019 + Com Dev + CP + Dev - PM 2019 + Com Dev + CP + Dev					
Network	A16 D16	60	5666.18	447.06	112% (TS 48/1)	17 (11%)

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 TRANSYT 12 style timings	Display effective greens in results	Display Red-With-Amber	Display End-Of-Green Amber	Display controller 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

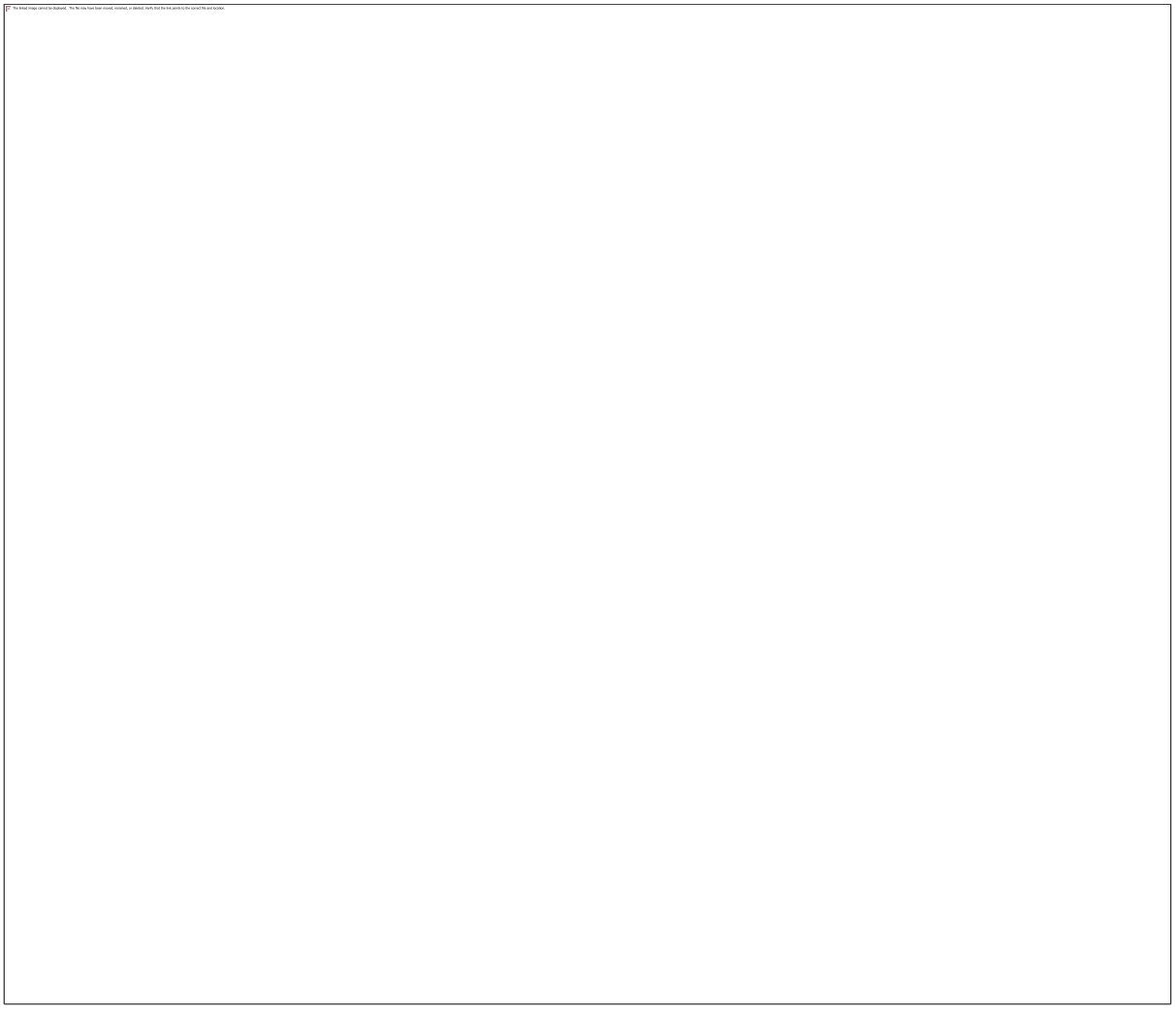
Sorting

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



A16 - PM Base 2019 + Com Dev + CP + Dev
D16 - PM 2019 + Com Dev + CP + Dev,

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: Auto Calculate option is switched off - OD flows will not be allocated automatically to the network.
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)	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Item with worst overall PRC	Network within capacity
16	24/01/2021 14:16:33	24/01/2021 14:16:43	10.95	16:30	60	5666.18	447.06	112.01	48/1	17	11	TC5/4	48/1	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 + Com Dev + CP + Dev			✓	D16		✓	

Demand Set Details

Scenario name	Time Period name	Description	Composite	Demand sets	Start time (HH:mm)	Locked	Run automatically
PM 2019 + Com Dev + CP + Dev					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		✓	769-1, 769-2, 770-1, 770-2, 770-3, 770-4, 771-1, 771-2, 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
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
52			1
53			2

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto length	Length (m)	Has Saturation Flow	Saturation flow source	Saturation flow (PCU/hr)	Auto-calculate cell saturation flow	Cell saturation flow (PCU/hr)	Is signal controlled	Is give way	Traffic type	Allow Nearside Turn On Red
A	**1**	(untitled)	M62E	✓	74.35	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.69	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.40	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.11	✓	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)		✓	62.77	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	62.62	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.46	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.38	✓	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	✓	122.73	✓	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	
	4	(untitled)	Leeds/M62/Wake	✓	55.42	✓	Directly entered	2250		2250	✓		Normal	
Dc	**1**	(untitled)	Brad	✓	50.91	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.96	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	47.02	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	45.07	✓	Directly entered	2100		2100	✓		Normal	
Dcf	**1**	(untitled)		✓	65.43	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	65.28	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	65.54	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	67.69	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	66.13	✓	Directly entered	2100		2100			Normal	
	6	(untitled)		✓	66.17	✓	Directly entered	2050		2050			Normal	
Df	**1**	(untitled)			200.00	✓	Sum of lanes	1900					Normal	
	2	(untitled)			200.00	✓	Directly entered	2250					Normal	
Dxp	**1**	(untitled)		✓	45.75	✓	Directly entered	2050			✓		Normal	
	2	(untitled)		✓	48.11	✓	Directly entered	2050			✓		Normal	
Ec	**1**	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal	
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)	M62E	✓	45.11	✓	Directly entered	2250		2250	✓		Normal	
Ecf	**1**	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal	
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	46.95	✓	Directly entered	2263		2263			Normal	
	4	(untitled)		✓	47.51	✓	Directly entered	2300		2300			Normal	

	5	(untitled)		✓	48.55	✓	Directly entered	2300		2300			Normal	
Ef	**1**	(untitled)		✓	127.54	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal	
Exp	**1**	(untitled)		✓	51.83	✓	Directly entered	2050		2100	✓		Normal	
	2	(untitled)		✓	53.71	✓	Directly entered	2050		2100	✓		Normal	
F	**1**	(untitled)	Leeds	✓	85.13	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.25	✓	Directly entered	2100		2100	✓		Normal	
Fc	**1**	(untitled)	Leeds	✓	178.68	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Leeds	✓	175.19	✓	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)		✓	121.44								Normal	
	2	(untitled)		✓	122.12								Normal	
xE	**1**	(untitled)		✓	173.89								Normal	
	2	(untitled)		✓	173.83								Normal	
xF	**1**	(untitled)		✓	158.35								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)		✓	47.81							✓	Normal	
Cc2	**2**	(untitled)	Dews	✓	91.52	✓	Directly entered	2150		2100	✓		Normal	

	3	(untitled)	Brad/M62W	✓	91.11	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	90.39	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	90.48	✓	Directly entered	2050		2050	✓		Normal	
	6	(untitled)	Leeds	✓	88.08	✓	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)		✓	92.21	✓	Sum of lanes	1966		1966	✓		Normal	
	3	(untitled)		✓	92.69	✓	Sum of lanes	1947		1947	✓		Normal	
TC35	**1**	(untitled)		✓	24.16	✓	Directly entered	1900		2263	✓		Normal	
TC36	**1**	(untitled)		✓	25.22	✓	Sum of lanes	1800					Normal	
TC37	**1**	(untitled)		✓	44.32	✓	Directly entered	1850		1850	✓		Normal	
TC38	**1**	(untitled)		✓	21.32	✓	Directly entered	1850		1850		✓	Normal	
TC39	**2**	(untitled)		✓	35.24	✓	Directly entered	2263		2263			Normal	
	3	(untitled)		✓	33.28	✓	Directly entered	2263		2263			Normal	
TC40	**2**	(untitled)		✓	58.74								Normal	
	3	(untitled)		✓	55.82								Normal	
TC41	**1**	(untitled)		✓	54.63	✓	Directly entered	1850		1850	✓		Normal	
TC42	**1**	(untitled)		✓	23.35	✓	Sum of lanes	1771			✓		Normal	
TC43	**1**	(untitled)		✓	51.77	✓	Sum of lanes	1800					Normal	
47	**1**	(untitled)		✓	133.63	✓	Directly entered	1300		1300			Normal	
48	**1**	(untitled)		✓	55.12	✓	Sum of lanes	1965					Normal	
49	**1**	(untitled)		✓	26.24	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	26.24	✓	Directly entered	1900					Normal	
50	**1**	(untitled)		✓	48.15	✓	Sum of lanes	1900					Normal	
51	**1**	(untitled)		✓	37.47	✓	Sum of lanes	1900					Normal	
52	**1**			✓	173.00	✓	Sum of lanes	1800	✓	1800	✓		Normal	
	2			✓	173.18	✓	Sum of lanes	1800	✓	1800	✓		Normal	
53	**1**			✓	43.95	✓	Sum of lanes	1800					Normal	

	2			✓	42.23	✓	Sum of lanes	1800					Normal	

Lanes

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

Cf	**1**	**2**	(untitled)											1965
	2	**1**	(untitled)											1965
D	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**3**	(untitled)											
Dc	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
Dcf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
	5	**5**	(untitled)											
	6	**1**	(untitled)											
Df	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											
Dxp	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
Ec	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
	3	**1**	(untitled)											
	4	**1**	(untitled)											
Ecf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
	5	**4**	(untitled)											
Ef	**1**	**1**	(untitled)											
	2	**2**	(untitled)											1900
Exp	**1**	**1**	(untitled)											

	2	**2**	(untitled)											
F	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Fc	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Ff	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											1900
G	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
Gf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xA	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xB	**1**	**1**	(untitled)											
xC	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											1900
xD	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xE	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xF	**1**	**1**	(untitled)											
Cc1	**1**	**1**	(untitled)											
E1	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
Gf1	**1**	**1**	(untitled)											
Cc2	**2**	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
	5	**5**	(untitled)											
	6	**5**	(untitled)											

E2	**3**	**3**	(untitled)											
	4	**4**	(untitled)											
TC5	**2**	**1**	(untitled)		✓	N/A	Clearly Good	0	3.50	✓	0	99999.00		2263
	3	**1**	(untitled)											
	4	**1**	(untitled)											1800
TC9	**1**	**1**	(untitled)											
	2	**1**	(untitled)		✓	N/A	Average	0	3.70	✓	0	99999.00		1966
	3	**1**	(untitled)		✓	N/A	Average	0	3.50	✓	0	99999.00		1947
TC35	**1**	**1**	(untitled)											
TC36	**1**	**1**	(untitled)											1800
TC37	**1**	**1**	(untitled)											
TC38	**1**	**1**	(untitled)											
TC39	**2**	**1**	(untitled)											
	3	**1**	(untitled)											
TC40	**2**	**1**	(untitled)											
	3	**1**	(untitled)											
TC41	**1**	**1**	(untitled)											
TC42	**1**	**1**	(untitled)		✓	N/A	Average	0	3.00	✓	0	9.44	✓	1771
TC43	**1**	**1**	(untitled)											1800
47	**1**	**1**	(untitled)											
48	**1**	**1**	(untitled)											1965
49	**1**	**2**	(untitled)											
	2	**1**	(untitled)											
50	**1**	**1**	(untitled)											1900
51	**1**	**1**	(untitled)											1900
52	**1**	**1**	(untitled)											1800
	2	**1**	(untitled)											1800
53	**1**	**1**	(untitled)											1800
	2	**1**	(untitled)											1800

Modelling

Arm	Traffic Stream	Traffic model	Stop weighting multiplier (%)	Delay weighting multiplier (%)	Assignment Cost Weighting (%)	Exclude from results calculation	Max queue storage	Has queue limit	Queue limit (PCU)	Excess queue	Has degree of saturation limit	Degree of saturation limit (%)	Excess degree of saturation	Low degree of saturation

							(PCU)			penalty (£)			penalty (£)	penalty (£)
A	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Ac	1	CTM	500	100	100		0.00	✓	16.50	9999.00				
	2	CTM	500	100	100		0.00	✓	16.50	9999.00				
	3	CTM	500	100	100		0.00	✓	16.50	9999.00				
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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Bc	1	CTM	500	100	100		0.00	✓	22.50	9999.00				
	2	CTM	500	100	100		0.00	✓	22.50	9999.00				
	3	CTM	500	100	100		0.00	✓	22.50	9999.00				
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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
Cf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
D	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Dc	1	CTM	500	100	100		0.00	✓	8.00	9999.00				
	2	CTM	500	100	100		0.00	✓	8.00	9999.00				
	3	CTM	500	100	100		0.00	✓	8.00	9999.00				
	4	CTM	500	100	100		0.00	✓	8.00	9999.00				
Dcf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
	6	CTM	100	100	100		0.00							
Df	1	NetworkDefault	100	100	100		0.00							

	2	NetworkDefault	100	100	100		0.00							
Dxp	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Ec	**1**	CTM	500	100	100		0.00	✓	8.00	9999.00				
	2	CTM	500	100	100		0.00	✓	8.00	9999.00				
	3	CTM	500	100	100		0.00	✓	8.00	9999.00				
	4	CTM	500	100	100		0.00	✓	8.00	9999.00				
Ecf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
Ef	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Exp	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
F	**1**	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
Fc	**1**	CTM	500	100	100		0.00	✓	32.00	9999.00				
	2	CTM	500	100	100		0.00	✓	32.00	9999.00				
	3	CTM	500	100	100		0.00	✓	32.00	9999.00				
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	500	100	100		0.00	✓	26.00	9999.00				
	2	CTM	500	100	100		0.00	✓	26.00	9999.00				
Gf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xA	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xB	**1**	NetworkDefault	100	100	100		0.00							
xC	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xD	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xE	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xF	**1**	NetworkDefault	100	100	100		0.00							
Cc1	**1**	CTM	100	100	100		0.00							
E1	**1**	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							

Gf1	**1**	NetworkDefault	100	100	100		0.00							
Cc2	**2**	CTM	500	100	100		0.00	✓	15.00	9999.00				
	3	CTM	500	100	100		0.00	✓	15.00	9999.00				
	4	CTM	500	100	100		0.00	✓	15.00	9999.00				
	5	CTM	500	100	100		0.00	✓	15.00	9999.00				
	6	CTM	500	100	100		0.00	✓	15.00	9999.00				
E2	**3**	CTM	0	20	100		0.00							
	4	CTM	0	20	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							
52	**1**	CTM	500	100	100		0.00	✓	30.00	9999.00				
	2	CTM	500	100	100		0.00	✓	30.00	9999.00				
53	**1**	NetworkDefault	100	100	100		0.00							
	2	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	✓	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	847	847
	2	653	653
	3	694	694
	4	505	505
Ac	1	821	821
	2	426	426
	3	365	365
Acf	1	1247	1247
	2	365	365
Af	1	1500	1500
	2	694	694
	3	505	505
B	1	366	366
	2	308	308
	3	295	295
	4	344	344
Bc	1	1079	1079
	2	1023	1023
	3	541	541
Bcf	1	1668	1668
	2	1079	1079
	3	1023	1023
	4	541	541
Bf	1	674	674
	2	639	639
C	1	89	89
	2	593	593
	3	283	283
Cf	1	577	577
	2	388	388
D	1	385	385
	2	237	237
	3	333	333
	4	348	348
Dc	1	614	614
	2	657	657
	3	169	169
	4	113	113
Dcf	1	804	804
	2	1101	1101
	3	614	614
	4	657	657
	5	169	169
	6	113	113
Df	1	622	622

	2	681	681
Dxp	**1**	804	804
	2	1101	1101
Ec	**1**	433	433
	2	407	407
	3	409	409
	4	343	343
Ecf	**1**	705	705
	2	951	951
	3	407	407
	4	409	409
	5	385	385
Ef	**1**	771	771
	2	551	551
Exp	**1**	705	705
	2	518	518
F	**1**	211	211
	2	349	349
	3	344	344
Fc	**1**	692	692
	2	869	869
	3	744	744
Ff	**1**	560	560
	2	344	344
G	**1**	292	292
	2	301	301
Gf	**1**	288	288
	2	263	263
xA	**1**	835	835
	2	762	762
xB	**1**	1668	1668
xC	**1**	679	679
	2	640	640
xD	**1**	804	804
	2	1101	1101
xE	**1**	705	705
	2	518	518
xF	**1**	794	794
Cc1	**1**	726	726
E1	**1**	370	370
	2	401	401
Gf1	**1**	42	42
Cc2	**2**	719	719
	3	334	334
	4	1097	1097
	5	344	344
	6	0	0
E2	**3**	288	288
	4	263	263
TC5	**2**	663	663
	3	762	762
	4	0	0
TC9	**1**	1294	1294
	2	694	694
	3	383	383

TC35	**1**	172	172
TC36	**1**	401	401
TC37	**1**	73	73
TC38	**1**	73	73
TC39	**2**	663	663
	3	762	762
TC40	**2**	736	736
	3	762	762
TC41	**1**	328	328
TC42	**1**	0	0
TC43	**1**	0	0
47	**1**	1319	1319
48	**1**	965	965
49	**1**	1294	1294
	2	1077	1077
50	**1**	1313	1313
51	**1**	904	904
52	**1**	392	392
	2	344	344
53	**1**	392	392
	2	344	344

Signals

Arm	Traffic Stream	Controller stream	Phase	Second phase enabled
A	**1**	771-2	E	
	2	771-2	E	
	3	771-2	E	
	4	771-2	E	
Ac	**1**	771-2	D	
	2	771-2	D	
	3	771-2	D	
B	**1**	769-1	B	
	2	769-1	B	
	3	769-1	B	
	4	769-1	B	
Bc	**1**	769-1	A	
	2	769-1	A	
	3	769-1	A	
C	**1**	769-2	G	
	2	769-2	G	
	3	769-2	G	
D	**1**	770-1	B	
	2	770-1	B	
	3	770-1	B	
	4	770-1	B	
Dc	**1**	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
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	
	6	769-2	D	
E2	**3**	770-3	H	
	4	770-3	H	
TC5	**2**	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	**1**	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	**1**	TC777-1	A	
TC37	**1**	TC777-2	J	
TC41	**1**	TC777-1	D	
TC42	**1**	TC777-1	E	
52	**1**	770-3	A	
	2	770-3	A	

Entry Sources

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

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	5.58	48.00	✓	Straight	Straight Movement
	2	**1**	Af/1	A/2	5.75	48.00	✓	Straight	Straight Movement

	3	**1**	Af/2	A/3	5.88	48.00	✓	Straight	Straight Movement
	4	**1**	Af/3	A/4	6.01	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	4.71	48.00	✓	Nearside	68.09
	2	**1**	A/2	Bcf/2	6.63	34.00	✓	Nearside	71.40
	3	**1**	A/3	Bcf/3	6.61	34.00	✓	Nearside	74.72
	4	**1**	A/4	Bcf/4	6.60	34.00	✓	Nearside	78.03
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	14.73	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
	4	**1**	Df/2	D/4	4.16	48.00	✓	Straight	Straight Movement
Dc	**1**	**1**	Dcf/3	Dc/1	6.11	30.00	✓	Offside	56.19
	2	**1**	Dcf/4	Dc/2	5.88	30.00	✓	Offside	52.87
	3	**1**	Dcf/5	Dc/3	5.64	30.00	✓	Offside	49.56
	4	**1**	Dcf/6	Dc/4	5.41	30.00	✓	Offside	46.25
Dcf	**1**	**1**	Cc2/2	Dcf/1	4.91	48.00	✓	Straight	Straight Movement
	2	**1**	Cc2/4	Dcf/2	4.90	48.00	✓	Straight	Straight Movement
	3	**1**	C/2	Dcf/3	4.92	48.00	✓	Nearside	58.12
	4	**1**	C/2	Dcf/4	5.08	48.00	✓	Nearside	58.12

	5	**1**	C/3	Dcf/5	4.96	48.00	✓	Nearside	61.43
	6	**1**	C/3	Dcf/6	7.94	30.00	✓	Nearside	61.43
Dxp	**1**	**1**	Dcf/1	Dxp/1	3.43	48.00	✓	Nearside	60.22
	2	**1**	Dcf/2	Dxp/2	3.61	48.00	✓	Nearside	63.54
Ec	**1**	**1**	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42
	2	**1**	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	**1**	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	**1**	Ecf/5	Ec/4	5.41	30.00	✓	Offside	66.48
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	3.56	48.00	✓	Offside	66.17
	5	**1**	Dc/4	Ecf/5	3.64	48.00	✓	Offside	62.86
Exp	**1**	**1**	Ecf/1	Exp/1	3.89	48.00	✓	Nearside	52.96
	2	**1**	Ecf/2	Exp/2	4.03	48.00	✓	Nearside	56.27
F	**1**	**1**	Ff/1	F/1	6.38	48.00	✓	Straight	Straight Movement
	2	**1**	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement
	3	**1**	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	**1**	**1**	Ec/2	Fc/1	18.38	35.00	✓	Straight	Straight Movement
	2	**1**	Ec/3	Fc/2	18.02	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	9.11	48.00	✓	Nearside	44.59
	2	**1**	Dxp/2	xD/2	9.16	48.00	✓	Nearside	47.90
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	11.88	48.00	✓	Straight	Straight Movement
Cc1	**1**	**1**	B/1	Cc1/1	8.63	40.00	✓	Straight	Straight Movement
E1	**1**	**1**	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	**1**	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96

Gf1	**1**	**1**	Ecf/5	Gf1/1	5.74	30.00	✓	Offside	21.77
Cc2	**2**	**1**	B/1	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	3	**1**	B/3	Cc2/3	8.20	40.00	✓	Straight	Straight Movement
	4	**1**	B/2	Cc2/4	8.14	40.00	✓	Straight	Straight Movement
	5	**1**	Bc/3	Cc2/5	6.03	54.00	✓	Offside	96.53
	6	**1**	Bc/3	Cc2/6	5.87	54.00	✓	Offside	93.22
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	11.07	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
52	**1**	**1**	53/1	52/1	20.76	30.00	✓	Straight	Straight Movement
	2	**1**	53/2	52/2	20.78	30.00	✓	Straight	Straight Movement
53	**1**	**1**	Bc/3	53/1	5.27	30.00	✓	Offside	5.00
	2	**1**	Bc/3	53/2	5.07	30.00	✓	Offside	5.00
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	3.95	57.00	✓	Offside	89.74
	3	**2**	Ac/3	Bcf/3	3.95	57.00	✓	Offside	86.42
	4	**2**	Ac/3	Bcf/4	3.94	57.00	✓	Offside	86.42
C	**2**	**2**	Cf/1	C/2	14.73	30.00	✓	Offside	56.58

Dcf	**1**	**2**	C/1	Dcf/1	4.91	48.00	✓	Nearside	54.80
	2	**2**	C/1	Dcf/2	4.90	48.00	✓	Nearside	54.80
	3	**2**	Cc2/3	Dcf/3	7.87	30.00	✓	Straight	Straight Movement
	4	**2**	Cc2/3	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
	5	**2**	Cc2/5	Dcf/5	7.94	30.00	✓	Offside	99.16
	6	**2**	Cc2/6	Dcf/6	7.94	30.00	✓	Offside	95.85
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	5.63	30.00	✓	Nearside	46.68
	4	**2**	D/3	Ecf/4	5.70	30.00	✓	Nearside	49.99
	5	**2**	D/4	Ecf/5	5.83	30.00	✓	Nearside	53.30
Fc	**1**	**2**	E1/1	Fc/1	20.10	32.00	✓	Nearside	58.94
	2	**2**	E1/1	Fc/2	19.71	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	11.88	48.00	✓	Nearside	40.67
Cc1	**1**	**2**	Bc/1	Cc1/1	6.39	54.00	✓	Straight	Straight Movement
Cc2	**2**	**2**	Bc/1	Cc2/2	10.98	30.00	✓	Straight	Straight Movement
	3	**2**	Bc/2	Cc2/3	10.93	30.00	✓	Offside	99.84
	4	**2**	Bc/2	Cc2/4	6.03	54.00	✓	Straight	Straight Movement
	5	**2**	B/4	Cc2/5	8.14	40.00	✓	Straight	Straight Movement
	6	**2**	B/4	Cc2/6	7.93	40.00	✓	Straight	Straight Movement
TC9	**2**	**2**	49/1	TC9/2	11.07	30.00	✓	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
53	**1**	**2**	B/3	53/1	5.27	30.00	✓	Offside	40.30
	2	**2**	B/4	53/2	5.07	30.00	✓	Offside	36.99
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
Dcf	**4**	**3**	Cc2/5	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
Fc	**1**	**3**	52/1	Fc/1	21.44	30.00	✓	Offside	13.89
	2	**3**	52/2	Fc/2	21.02	30.00	✓	Offside	10.58

xA	**2**	**3**	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
xF	**1**	**3**	52/1	xF/1	19.00	30.00	✓	Offside	19.56
Cc2	**3**	**3**	B/2	Cc2/3	10.93	30.00	✓	Straight	Straight Movement
	5	**3**	B/3	Cc2/5	10.86	30.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

Traffic Stream	Description	Controlling type	Controlling traffic stream	Percentage opposing (%)	Slope coefficient	Upstream signals visible
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

Pedestrian Crossings - Signals

Crossing	Controller stream	Phase	Second phase enabled
1	770-2	E	
2	770-1	C	
3	770-4	M	
4	770-3	J	
5	770-3	I	
6	770-3	K	
7	771-1	C	
8	769-1	C	
9	769-2	J	
10	769-2	K	

11	769-2	H	
12	769-2	I	
13	TC777-1	I	
14	TC777-1	F	
15	TC777-1	G	
16	TC777-1	H	
17	TC777-2	K	

Pedestrian Crossings - Sides

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

Pedestrian Crossings - Modelling

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

Local OD Matrix - Local Matrix: 1

Local Matrix Options

OD Matrix	Name	Use for point to point table	Allocation mode	Allow paths past exit locations	Allow looped paths on arms	Allow looped paths on traffic nodes	Copy flows	Matrix to copy flows from	Limit paths by length	Path length limit multiplier	Limit paths by number	Path number limit	Limit paths by flow	Low path flow threshold
1	(untitled)	✓	User Equilibrium			✓								

Note: Auto Calculate disabled on this Local Matrix - Paths and Flow Allocation might not be up to date.

Normal Input Flows (PCU/hr)

		To							
		A28	**B28**	**C28**	**D28**	**E28**	**F28**	**G28**	**H28**
From	**A28**	3	51	389	12	411	54	393	0
	B28	17	0	89	159	454	12	234	0
	C28	362	42	0	294	91	19	495	0
	D28	5	344	329	0	15	54	157	0
	E28	434	551	82	100	1	8	146	0
	F28	118	27	61	100	22	0	73	0
	G28	729	304	955	129	229	25	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	**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	350
	49	I1	C28	D28	Df/1, D/1, Ecf/2, Ec/1, xF/1	Normal	294
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	100
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	146
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	8
	100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Normal	263
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	315
	103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
	105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	0
	107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	51
	110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	73
	113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	118
	115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	4
	125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	694
	137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	0
	138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	0
	140		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	157
	141		B28	F28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	12
	142		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	144		B28	G28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	77
	145		B28	H28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	146		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	147		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0

	148		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	149		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	17
	150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	288
	151		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	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	27
	154		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	84
	155		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	156		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	157		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	158		A28	G28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	159		A28	H28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	160		B28	D28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	118
	161		B28	E28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	32
	162		B28	D28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	21
	163		B28	E28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	164		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	165		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	85
	167		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	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	93
	170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	211
	171		G28	H28	49/1, TC9/1, TC43/1	Normal	0
	172		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	173		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	174		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	175		A28	D28	50/1, Bf/2, B/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	176		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	177		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	178		B28	E28	48/1, Cf/1, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	338
	179		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	84
	180		A28	H28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0

	181		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	61
	182		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	183		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	43
	184		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	56
	185		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	0
	186		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	74
	187		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	188		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	189		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	190		G28	D28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	191		D28	F28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	192		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	193		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	194		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	92
	196		D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	54
	197		D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	65
	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	266
	200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	78
	201		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	202		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	203		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	204		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	205		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	99
	206		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	207		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	208		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	209		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	210		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	211		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	212		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	213		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/4, TC43/1	Normal	0

	214		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	215		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	216		A28	G28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	341
	217		A28	H28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	218		A28	A28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	3
	219		A28	C28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	220		A28	B28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	221		A28	B28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	222		A28	D28	50/1, Bf/2, B/3, 53/1, 52/1, xF/1	Normal	12
	223		A28	G28	50/1, Bf/2, B/3, 53/1, 52/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	52
	224		A28	F28	50/1, Bf/2, B/3, 53/1, 52/1, Fc/1, xA/1, TC35/1	Normal	54
	225		A28	G28	50/1, Bf/2, B/3, 53/1, 52/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	226		A28	H28	50/1, Bf/2, B/3, 53/1, 52/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	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
	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	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	Normal	329
	249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/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	0
	283		E28	B28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	284		E28	B28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	285		E28	B28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	286		E28	B28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	307		G28	C28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	317		C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	277
	318		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	319		C28	B28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	320		C28	B28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	322		C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	215
	323		C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	19
	324		C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	3
	325		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	330		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	306

	331		C28	B28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	332		C28	B28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	334		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	342		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	4
	343		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	38
	364		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	379		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	380		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	381		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	382		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	383		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	384		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	385		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	386		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	387		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	388		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	389		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	390		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	391		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	392		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	393		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	394		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	395		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	396		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	397		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	398		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	399		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	400		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	401		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	402		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	403		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	404		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	405		A28	F28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0

	406		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	407		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	408		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	409		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	410		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	411		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	412		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	413		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	414		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	415		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	417		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	418		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	261
	423		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
	424		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	425		E28	C28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	32
	428		E28	C28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	50
	431		D28	C28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	439		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	440		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	441		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	442		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	443		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	444		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	445		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	446		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	447		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	448		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	449		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	450		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	451		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	452		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	229
	453		A28	D28	50/1, Bf/2, B/4, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	454		A28	E28	50/1, Bf/2, B/4, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0

	455		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	456		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	1
	457		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	458		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	15
	459		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	460		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	22
	461		A28	E28	50/1, Bf/2, B/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	77
	462		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	463		A28	F28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	464		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	465		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	192
	466		A28	D28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	467		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	129
	468		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	469		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC35/1	Normal	25
	470		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	471		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	472		A28	D28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	473		B28	D28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	20
	474		C28	D28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	475		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	476		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	477		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	478		D28	F28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC35/1	Normal	0
	479		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	480		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	481		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	482		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	483		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC35/1	Normal	0
	484		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	485		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	486		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	100
	487		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC35/1	Normal	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)
16:30-17:30	(ALL)	0.00	0.00	0.00	0.00

Results - Link

Results - Traffic Stream

Results - Traffic Stream: Vehicle summary

Time Segment	Arm	Traffic Stream	Name	Phase	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Calculated capacity (PCU/hr)	Degree of saturation (%)	Practical reserve capacity (%)	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	JourneyTime (s)
16:30-17:30	A	1	(untitled)	E	847	2050	24	854	99	-9	66.55	22.79	176.25	72.13
		2	(untitled)	E	653	2050	24	854	76	18	18.32	8.34	62.56	24.07
		3	(untitled)	E	694	2050	24	854	81	11	20.56	11.04	80.96	26.44
		4	(untitled)	E	505	2050	24	854	59	52	16.54	7.46	53.55	22.55
	Ac	1	(untitled)	D	819	2263	26	1018	80	12	16.42	10.90	65.39	23.61
		2	(untitled)	D	392	2263	26	986	40	126	1.92	1.82	11.35	11.42
		3	(untitled)	D	334	2263	26	1018	33	175	2.20	0.38	2.48	8.80
	Acf	1	(untitled)		1211	2263	60	2263	54	68	0.91	0.31	2.54	6.13
		2	(untitled)		334	2263	60	2263	15	510	0.14	0.01	0.10	7.38
	Af	1	(untitled)		1500	2050	60	2043	73	23	2.42	2.46	26.40	8.85
		2	(untitled)		694	2050	60	2050	34	166	0.45	0.09	0.94	6.83
		3	(untitled)		505	2050	60	2050	25	265	0.29	0.04	0.44	6.65
	B	1	(untitled)	B	366	2050	11	410	89	1	54.25	8.47	51.46	61.35
		2	(untitled)	B	309	2150	11	381	81	11	42.15	5.92	35.00	49.44
		3	(untitled)	B	294	2100	11	420	70	29	32.10	4.88	28.15	39.58
		4	(untitled)	B	344	2050	11	410	84	7	44.15	7.17	40.27	56.44
	Bc	1	(untitled)	A	1045	2050	37	1298	81	12	14.48	20.96	90.73	26.44
		2	(untitled)	A	995	2050	37	1298	77	17	11.63	7.15	31.25	23.47
		3	(untitled)	A	538	2050	37	1298	41	117	2.15	0.68	3.01	13.86
	Bcf	1	(untitled)		1666	2263	60	2263	74	22	2.21	1.02	9.35	6.55

	2	(untitled)		1045	2263	60	2263	46	95	0.68	0.20	1.82	6.31
	3	(untitled)		995	2263	60	2263	44	105	0.62	0.17	1.59	6.43
	4	(untitled)		538	2263	60	2263	24	279	0.25	0.04	0.34	6.69
Bf	**1**	(untitled)		675	1800	60	1800	38	140	0.60	0.11	0.28	27.94
	2	(untitled)		638	1800	60	1800	35	154	0.55	0.10	0.24	27.96
C	**1**	(untitled)	G	79	2100	14	525	15	495	18.31	1.46	6.94	32.84
	2	(untitled)	G	529	2200	14	550	96	-7	150.52	27.28	127.80	165.25
	3	(untitled)	G	253	2050	14	513	49	83	29.71	4.45	20.57	44.63
Cf	**1**	(untitled)		515	1965	60	515	100	-10	201.34	35.51	141.19	218.69
	2	(untitled)		346	1965	60	1106	31	187	7.95	4.64	18.30	25.46
D	**1**	(untitled)	B	385	2050	12	444	87	4	46.33	8.03	83.99	50.45
	2	(untitled)	B	237	1850	12	401	59	52	27.53	3.65	38.14	31.66
	3	(untitled)	B	333	2250	12	488	68	32	29.43	5.49	59.71	33.39
	4	(untitled)	B	348	2250	12	488	71	26	30.79	5.82	60.42	34.95
Dc	**1**	(untitled)	A	569	2100	38	1365	42	116	4.46	1.88	21.21	10.57
	2	(untitled)	A	637	2100	38	1365	47	93	8.44	5.82	68.38	14.32
	3	(untitled)	A	151	2100	38	1365	11	714	0.16	0.01	0.08	5.81
	4	(untitled)	A	102	2100	38	1365	7	1107	0.11	0.00	0.04	5.51
Dcf	**1**	(untitled)		795	2050	60	2050	39	132	0.56	0.12	1.08	5.46
	2	(untitled)		1073	2100	60	2100	51	76	0.89	0.27	2.35	5.79
	3	(untitled)		569	2100	60	2100	27	232	0.32	0.05	0.44	6.23
	4	(untitled)		637	2100	60	2100	30	197	0.37	0.07	0.56	7.77
	5	(untitled)		151	2100	60	2100	7	1153	0.07	0.00	0.02	5.03
	6	(untitled)		102	2050	60	2050	5	1713	0.05	0.00	0.01	7.99
Df	**1**	(untitled)		622	1900	60	1900	33	175	0.46	0.08	0.23	24.46
	2	(untitled)		681	2250	60	2250	30	197	0.35	0.07	0.19	24.35
Dxp	**1**	(untitled)	D	804	2050	43	1503	53	68	2.63	1.73	21.70	6.06
	2	(untitled)	D	1073	2050	43	1503	71	26	3.03	0.98	11.65	6.64
Ec	**1**	(untitled)	F	418	2150	18	681	61	47	10.22	2.81	32.24	13.98
	2	(untitled)	F	388	2263	18	717	54	66	13.14	3.00	35.59	16.77
	3	(untitled)	F	402	2263	18	717	56	61	6.80	2.67	32.88	10.31
	4	(untitled)	F	339	2250	18	713	48	89	4.72	1.66	21.22	10.14

Ecf	**1**	(untitled)		660	2100	60	2100	31	186	0.39	0.07	0.90	3.84
	2	(untitled)		931	2100	60	2100	44	103	0.68	2.50	30.94	4.16
	3	(untitled)		388	2263	60	2263	17	425	0.16	0.02	0.22	4.98
	4	(untitled)		402	2300	60	2300	17	415	0.17	0.02	0.22	5.50
	5	(untitled)		381	2300	60	2300	17	443	0.16	0.02	0.19	5.79
Ef	**1**	(untitled)		771	1900	60	1900	41	122	0.65	0.14	0.62	15.95
	2	(untitled)		551	1900	60	1900	29	210	0.39	0.06	0.27	15.69
Exp	**1**	(untitled)	L	660	2050	42	1469	45	100	2.54	2.50	27.78	6.43
	2	(untitled)	L	513	2050	42	1469	35	158	3.38	7.06	75.53	7.41
F	**1**	(untitled)	B	190	2100	8	315	60	49	42.96	3.63	24.51	49.35
	2	(untitled)	B	315	2100	8	315	100	-10	231.14	22.31	149.67	237.57
	3	(untitled)	B	315	2100	8	315	100	-10	231.16	22.31	147.05	237.71
Fc	**1**	(untitled)	A	673	2263	42	1622	41	117	3.23	2.71	8.73	22.60
	2	(untitled)	A	862	2263	42	1514	57	58	3.26	2.43	7.99	22.71
	3	(untitled)	A	740	2263	42	1464	51	78	10.23	7.15	22.80	29.71
Ff	**1**	(untitled)		505	1900	60	505	100	-10	326.56	58.58	122.15	359.65
	2	(untitled)		310	1900	60	315	99	-9	280.62	29.28	61.13	313.67
G	**1**	(untitled)	F	292	2050	14	490	60	51	39.14	5.59	20.68	55.12
	2	(untitled)	F	301	2050	14	493	61	47	39.41	7.43	28.16	50.80
Gf	**1**	(untitled)		288	2050	60	2050	14	541	0.14	0.01	0.16	3.18
	2	(untitled)		263	2050	60	2050	13	602	0.13	0.01	0.14	3.13
xA	**1**	(untitled)		802	2263	60	2263	35	154	0.44	0.10	0.24	17.66
	2	(untitled)		748	2263	60	2263	33	172	0.39	0.08	0.20	17.64
xB	**1**	(untitled)		1666	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	**1**	(untitled)		652	1900	60	677	96	-7	49.89	16.84	83.77	58.56
	2	(untitled)		633	1900	60	692	92	-2	30.27	11.26	55.84	38.97
xD	**1**	(untitled)		804	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.11
	2	(untitled)		1073	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.16
xE	**1**	(untitled)		660	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		513	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	**1**	(untitled)		779	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	14.26
Cc1	**1**	(untitled)	E	692	2050	31	1091	63	42	4.69	3.11	18.66	11.25

E1	**1**	(untitled)	G	370	2050	11	410	90	0	56.86	8.84	63.51	62.86
	2	(untitled)	G	401	2200	11	440	91	-1	57.43	9.61	69.10	63.43
Gf1	**1**	(untitled)		42	689	60	689	6	1377	0.18	0.00	0.02	5.92
Cc2	**2**	(untitled)	D	719	2150	32	1164	62	46	9.99	7.44	46.76	19.77
	3	(untitled)	D	334	2050	32	1128	30	204	8.61	5.68	35.88	18.73
	4	(untitled)	D	1069	2150	32	1180	91	-1	15.49	6.58	41.86	21.66
	5	(untitled)	D	343	2050	32	1052	33	176	4.69	2.43	15.43	11.81
	6	(untitled)	D	0	2050	32	1128	0	Unrestricted	0.00	0.00	0.00	0.00
E2	**3**	(untitled)	H	288	2150	13	490	59	53	25.71	4.25	45.92	29.71
	4	(untitled)	H	263	2050	13	478	55	64	24.80	3.84	40.64	28.87
TC5	**2**	(untitled)	A	636	2263	39	1546	41	119	1.85	1.72	42.96	4.62
	3	(untitled)	A	748	2263	39	1546	48	86	1.95	1.68	41.86	4.72
	4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
TC9	**1**	(untitled)	B	1294	1925	40	1380	94	-4	24.26	21.22	133.03	35.27
	2	(untitled)	B	694	1966	40	1409	49	83	4.96	4.76	29.70	16.03
	3	(untitled)	B	383	1947	40	1395	27	228	3.49	2.07	12.86	14.61
TC35	**1**	(untitled)	A	165	1900	39	1298	13	606	1.82	1.46	34.72	4.71
TC36	**1**	(untitled)		401	1800	60	1800	22	304	0.29	0.03	0.73	3.31
TC37	**1**	(untitled)	J	73	1850	45	1418	5	1649	1.82	0.29	3.70	5.01
TC38	**1**	(untitled)		73	433	60	433	17	434	1.17	2.43	65.61	2.70
TC39	**2**	(untitled)		636	2263	60	2263	28	220	0.31	0.05	0.90	2.85
	3	(untitled)		748	2263	60	2263	33	172	0.39	0.08	1.41	2.79
TC40	**2**	(untitled)		709	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
	3	(untitled)		748	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
TC41	**1**	(untitled)	D	328	1850	10	339	97	-7	92.59	11.18	117.68	96.52
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)		1285	1300	60	1300	99	-9	39.71	14.18	61.01	55.74
48	**1**	(untitled)		965	1965	60	862	112	-20	221.07	69.66	726.67	227.69
49	**1**	(untitled)		1294	1900	60	1835	71	28	2.37	3.00	65.65	5.52
	2	(untitled)		1077	1900	60	1900	57	59	1.24	0.37	8.11	4.39
50	**1**	(untitled)		1313	1900	60	1900	69	30	2.11	0.77	9.18	7.89

	51	1	(untitled)		904	1900	60	816	111	-19	202.95	61.34	941.37	207.45
	52	1		A	392	1800	14	450	87	3	45.78	8.50	28.24	66.54
		2		A	344	1800	14	450	76	18	15.06	1.53	5.08	35.85
	53	1			392	1800	60	1800	22	313	0.28	0.03	0.40	5.55
		2			344	1800	60	1800	19	371	0.42	4.12	56.11	5.49

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	43	16	33	1	7
	2	✓	2	B	27	38	11	1	7
769-2	1	✓	4	D,E,H,I	46	9	23	1	1
	2	✓	5	F,G,J,K	23	31	8	1	7
770-1	1	✓	1	A,C	21	57	36	1	5
	2	✓	2	B	4	16	12	1	7
770-2	1	✓	4	D	44	27	43	1	7
	2	✓	5	E	32	37	5	1	5
770-3	1	✓	4	A	48	2	14	1	7
	2	✓	7	F,I,J	7	21	14	1	3
	3	✓	9	G,H	32	43	11	1	4
770-4	1	✓	11	L	12	54	42	1	7
	2	✓	12	M	59	5	6	1	6
771-1	1	✓	1	A,C	5	41	36	1	9
	2	✓	3	B	52	0	8	1	7
771-2	1	✓	5	D	4	30	26	1	7
	2	✓	6	E	35	59	24	1	7
TC777-1	1	✓	1	A,B,F	18	57	39	1	7
	2	✓	5	D,H,I	4	12	8	1	6
TC777-2	1	✓	1	J	58	43	45	1	7
	2	✓	2	K	48	53	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	**A**	A	7	300	0	0	Traffic
	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**	✓	74.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	2	✓	76.69	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	3	✓	78.40	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	4	✓	80.11	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Ac	**1**	✓	95.80	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	92.34	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	87.95	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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	20	0
	2	✓	97.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	20	0
	3	✓	99.69	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	4	✓	102.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Bc	**1**	✓	132.85	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	2	✓	131.47	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	3	✓	130.10	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
Bcf	**1**	✓	62.77	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	62.62	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.46	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	62.38	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	20	0
	2	✓	122.73	CTM	0.00	Normal	✓	✓		Directly entered	2200	20	0
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
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	20	0
	2		55.00	CTM	0.00	Normal	✓	✓		Directly entered	1850	20	0
	3	✓	52.87	CTM	0.00	Normal	✓	✓		Directly entered	2250	20	0
	4	✓	55.42	CTM	0.00	Normal	✓	✓		Directly entered	2250	20	0
Dc	**1**	✓	50.91	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	2	✓	48.96	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	3	✓	47.02	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	4	✓	45.07	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
Dcf	**1**	✓	65.43	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	65.28	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	65.54	CTM	0.00	Normal	✓			Directly entered	2100	100	100

	4	✓	67.69	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	66.13	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	6	✓	66.17	CTM	0.00	Normal	✓			Directly entered	2050	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**	✓	45.75	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	48.11	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ec	**1**	✓	50.09	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	46.77	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	4	✓	45.11	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	500
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	✓	46.95	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	47.51	CTM	0.00	Normal	✓			Directly entered	2300	100	100
	5	✓	48.55	CTM	0.00	Normal	✓			Directly entered	2300	100	100
Ef	**1**	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	**1**	✓	51.83	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.71	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	**1**	✓	85.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	3	✓	87.25	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
Fc	**1**	✓	178.68	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	175.19	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	180.28	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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	500
	2	✓	151.80	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
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**	✓	121.44	NetworkDefault	0.00	Normal						100	100
	2	✓	122.12	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**	✓	158.35	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	20	0
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	20	0
Gf1	**1**	✓	47.81	NetworkDefault	0.00	Normal			✓			100	100
Cc2	**2**	✓	91.52	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	3	✓	91.11	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	4	✓	90.39	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	5	✓	90.48	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	6	✓	88.08	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
E2	**3**	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	20	0
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
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	✓	92.21	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
52	1	✓	173.00	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	500
	2	✓	173.18	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	500
53	1	✓	43.95	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
	2	✓	42.23	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100

Data entry - Link

Results - Pedestrian

Pedestrian Crossings: Pedestrian summary

Time Segment	Pedestrian crossing	Side	Calculated Flow Entering (Ped/hr)	Degree of saturation (%)	Actual green (s (per cycle))	Mean Delay Per Ped (s)	Mean max queue (Ped)
16:30-17:30	1	1	0	0	5	0.00	0.00
		2	0	0	5	0.00	0.00
	2	1	0	0	36	0.00	0.00
		2	0	0	36	0.00	0.00
	3	1	0	0	6	0.00	0.00
		2	0	0	6	0.00	0.00
	4	1	0	0	21	0.00	0.00
		2	0	0	21	0.00	0.00
	5	1	0	0	23	0.00	0.00
		2	0	0	23	0.00	0.00
	6	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	7	1	0	0	36	0.00	0.00
		2	0	0	36	0.00	0.00
	8	1	0	0	33	0.00	0.00
		2	0	0	33	0.00	0.00
	9	1	0	0	11	0.00	0.00
		2	0	0	11	0.00	0.00

10	1	0	0	16	0.00	0.00
	2	0	0	16	0.00	0.00
11	1	0	0	29	0.00	0.00
	2	0	0	29	0.00	0.00
12	1	0	0	29	0.00	0.00
	2	0	0	29	0.00	0.00
13	1	0	0	10	0.00	0.00
	2	0	0	10	0.00	0.00
14	1	0	0	40	0.00	0.00
	2	0	0	40	0.00	0.00
15	1	0	0	0	0.00	0.00
	2	0	0	0	0.00	0.00
16	1	0	0	8	0.00	0.00
	2	0	0	8	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

Note: Auto Calculate disabled on this Local Matrix (Paths and Flow Allocation might not be up to date).

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	196.4	212.8	137.2	149.4	152.3	173.4	184.3	0.0
	B28	419.6	0.0	510.4	628.0	609.7	385.0	391.9	0.0
	C28	145.3	197.9	0.0	98.9	97.9	109.3	118.3	0.0
	D28	842.2	983.2	857.6	0.0	872.8	642.3	650.3	0.0
	E28	148.6	209.7	203.5	90.7	219.6	131.0	138.6	0.0
	F28	202.4	296.1	203.6	254.3	211.1	0.0	15.3	0.0
	G28	133.0	209.4	126.5	162.2	122.2	186.4	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)
32	C28	E28	91	97.92	526.66	0.00	0.00	0.00	91	97.92	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	350	149.72	693.15	0.00	0.00	0.00	350	149.72	693.15
49	C28	D28	294	98.90	509.82	0.00	0.00	0.00	294	98.90	509.82
50	E28	D28	100	90.68	365.90	0.00	0.00	0.00	100	90.68	365.90
68	E28	G28	146	138.59	732.90	0.00	0.00	0.00	146	138.59	732.90
92	E28	F28	8	131.04	640.05	0.00	0.00	0.00	8	131.04	640.05
100	E28	B28	263	199.46	623.35	0.00	0.00	0.00	263	199.46	623.35
102	A28	C28	315	137.21	694.76	0.00	0.00	0.00	315	137.21	694.76
103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
107	A28	B28	51	212.81	716.08	0.00	0.00	0.00	51	212.81	716.08
110	E28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
112	F28	G28	73	15.25	149.60	0.00	0.00	0.00	73	15.25	149.60

113	F28	A28	118	202.43	347.66	0.00	0.00	0.00	118	202.43	347.66
115	B28	C28	4	511.64	556.36	0.00	0.00	0.00	4	511.64	556.36
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
130	G28	C28	694	121.20	769.88	0.00	0.00	0.00	694	121.20	769.88
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
140	B28	G28	157	392.54	1059.21	0.00	0.00	0.00	157	392.54	1059.21
141	B28	F28	12	384.99	966.36	0.00	0.00	0.00	12	384.99	966.36
142	B28	G28	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	B28	G28	77	390.72	1048.14	0.00	0.00	0.00	77	390.72	1048.14
145	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
146	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
147	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
148	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
149	B28	A28	17	419.60	1015.84	0.00	0.00	0.00	17	419.60	1015.84
150	E28	B28	288	218.97	625.89	0.00	0.00	0.00	288	218.97	625.89
151	B28	B28	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	27	296.14	750.62	0.00	0.00	0.00	27	296.14	750.62
154	E28	A28	84	144.05	688.05	0.00	0.00	0.00	84	144.05	688.05
155	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
156	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
159	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
160	B28	D28	118	671.07	693.92	0.00	0.00	0.00	118	671.07	693.92
161	B28	E28	32	651.16	713.02	0.00	0.00	0.00	32	651.16	713.02
162	B28	D28	21	462.66	695.18	0.00	0.00	0.00	21	462.66	695.18
163	B28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
164	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
165	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
166	B28	C28	85	510.33	553.47	0.00	0.00	0.00	85	510.33	553.47
167	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
168	G28	A28	729	133.02	385.76	0.00	0.00	0.00	729	133.02	385.76
169	G28	B28	93	225.22	788.72	0.00	0.00	0.00	93	225.22	788.72
170	G28	B28	211	202.35	789.10	0.00	0.00	0.00	211	202.35	789.10
171	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
172	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
173	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
174	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
175	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
176	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
177	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
178	B28	E28	338	648.28	710.57	0.00	0.00	0.00	338	648.28	710.57
179	B28	E28	84	440.29	711.82	0.00	0.00	0.00	84	440.29	711.82
180	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
181	F28	C28	61	203.55	729.68	0.00	0.00	0.00	61	203.55	729.68
182	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
183	A28	E28	43	158.21	854.82	0.00	0.00	0.00	43	158.21	854.82
184	C28	A28	56	142.24	827.67	0.00	0.00	0.00	56	142.24	827.67
185	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
186	A28	C28	74	136.92	699.04	0.00	0.00	0.00	74	136.92	699.04
187	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
188	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
189	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

190	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
191	D28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
192	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
193	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
194	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
195	D28	G28	92	650.41	744.99	0.00	0.00	0.00	92	650.41	744.99
196	D28	F28	54	642.33	652.14	0.00	0.00	0.00	54	642.33	652.14
197	D28	G28	65	650.20	740.41	0.00	0.00	0.00	65	650.20	740.41
198	D28	A28	5	842.24	704.24	0.00	0.00	0.00	5	842.24	704.24
199	D28	B28	266	987.52	1101.39	0.00	0.00	0.00	266	987.52	1101.39
200	D28	B28	78	968.58	1101.77	0.00	0.00	0.00	78	968.58	1101.77
201	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
202	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
203	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
204	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
205	A28	E28	99	144.84	857.96	0.00	0.00	0.00	99	144.84	857.96
206	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
207	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
208	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
209	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
210	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
211	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
212	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
213	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
214	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
215	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
216	A28	G28	341	184.84	1111.71	0.00	0.00	0.00	341	184.84	1111.71
217	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
218	A28	A28	3	196.37	1074.93	0.00	0.00	0.00	3	196.37	1074.93
219	A28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
220	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
221	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
222	A28	D28	12	149.36	751.58	0.00	0.00	0.00	12	149.36	751.58
223	A28	G28	52	180.99	1118.58	0.00	0.00	0.00	52	180.99	1118.58
224	A28	F28	54	173.44	1025.73	0.00	0.00	0.00	54	173.44	1025.73
225	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
226	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
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
246	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
248	D28	C28	329	857.57	1078.32	0.00	0.00	0.00	329	857.57	1078.32
249	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
252	F28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
283	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
284	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
285	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
286	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
307	G28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
317	C28	G28	277	119.36	864.44	0.00	0.00	0.00	277	119.36	864.44
318	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
319	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
320	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
322	C28	G28	215	116.88	875.73	0.00	0.00	0.00	215	116.88	875.73
323	C28	F28	19	109.33	782.88	0.00	0.00	0.00	19	109.33	782.88
324	C28	G28	3	116.86	871.15	0.00	0.00	0.00	3	116.86	871.15
325	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

330	C28	A28	306	145.85	834.69	0.00	0.00	0.00	306	145.85	834.69
331	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
332	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
334	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
342	C28	B28	4	222.37	756.38	0.00	0.00	0.00	4	222.37	756.38
343	C28	B28	38	195.57	753.20	0.00	0.00	0.00	38	195.57	753.20
364	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
379	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
380	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
381	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
382	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
383	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
384	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
385	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
386	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
387	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
388	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
389	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
390	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
391	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
392	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
393	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
394	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
395	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
396	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
397	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
398	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
399	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
400	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
401	G28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
402	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
403	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
404	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
405	A28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
406	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
407	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
408	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
409	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
410	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
411	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
412	F28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
413	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
414	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
415	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
417	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
418	G28	C28	261	140.77	767.78	0.00	0.00	0.00	261	140.77	767.78
423	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
424	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
425	E28	C28	32	198.25	1064.27	0.00	0.00	0.00	32	198.25	1064.27
428	E28	C28	50	206.92	1069.36	0.00	0.00	0.00	50	206.92	1069.36
431	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
439	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
440	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
441	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
442	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
443	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

444	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
445	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
446	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
447	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
448	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
449	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
450	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
451	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
452	G28	E28	229	122.19	925.57	0.00	0.00	0.00	229	122.19	925.57
453	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
454	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
455	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
456	E28	E28	1	219.59	1219.72	0.00	0.00	0.00	1	219.59	1219.72
457	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
458	D28	E28	15	872.85	1232.00	0.00	0.00	0.00	15	872.85	1232.00
459	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
460	F28	E28	22	211.08	886.49	0.00	0.00	0.00	22	211.08	886.49
461	A28	E28	77	147.20	857.33	0.00	0.00	0.00	77	147.20	857.33
462	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
463	A28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
464	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
465	A28	E28	192	156.92	852.36	0.00	0.00	0.00	192	156.92	852.36
466	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
467	G28	D28	129	162.21	819.82	0.00	0.00	0.00	129	162.21	819.82
468	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
469	G28	F28	25	186.38	1093.97	0.00	0.00	0.00	25	186.38	1093.97
470	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
471	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
472	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
473	B28	D28	20	548.94	1436.67	0.00	0.00	0.00	20	548.94	1436.67
474	C28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
475	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
476	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
477	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
478	D28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
479	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
480	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
481	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
482	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
483	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
484	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
485	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
486	F28	D28	100	254.30	780.75	0.00	0.00	0.00	100	254.30	780.75
487	F28	F28	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**	**Calculated sat flow (PCU/hr)**	**Actual green (s (pe**	**Wasted time tota**	**Degree of saturation (%)**	**Practical reserve capac**	**JourneyTime (s)**	**Mean Delay per Ve**	**Mean stops per Ve**	**Mean max queue**	**Delay weighting multi**	**Stop weighting multiplier (%)**	**Cost of traffic penalties (£**	**P.I.**

						(PCU/ hr)		r cyc le))	l (s (per cyc le))		ity (%)		h (s)	h (%)	(PC U)	plier (%)		per hr)	
A	1	(unti tled)	6	771-2	E	847 <	2050	24	0.0 0	99	-9	72.13	66. 55	14 1.5 0	22.7 9 +	20	0	0.00	44. 47
	2	(unti tled)	6	771-2	E	653	2050	24	0.0 0	76	18	24.07	18. 32	69. 50	8.34	20	0	0.00	9.4 4
	3	(unti tled)	6	771-2	E	694	2050	24	0.0 0	81	11	26.44	20. 56	83. 82	11.0 4	20	0	0.00	11. 26
	4	(unti tled)	6	771-2	E	505	2050	24	0.0 0	59	52	22.55	16. 54	79. 65	7.46	20	0	0.00	6.5 9
Ac	1	(unti tled)	6	771-2	D	819	2263	26	2.0 0	80	12	23.61	16. 42	60. 84	10.9 0	100	500	0.00	13 2.9 7
	2	(unti tled)	6	771-2	D	392	2263	26	4.8 5	40	126	11.42	1.9 2	6.8 1	1.82	100	500	0.00	5.2 5
	3	(unti tled)	6	771-2	D	334	2263	26	17. 00	33	175	8.80	2.2 0	6.8 0	0.38	100	500	0.00	6.5 5
Ac f	1	(unti tled)	6			1211	2263	60	22. 00	54	68	6.13	0.9 1	0.0 0	0.31	100	100	0.00	4.3 7
	2	(unti tled)	6			334	2263	60	50. 00	15	510	7.38	0.1 4	0.0 0	0.01	100	100	0.00	0.1 8
Af	1	(unti tled)	6			1500	2050	60	6.2 2	73	23	8.85	2.4 2	4.1 2	2.46	100	100	0.00	15. 11
	2	(unti tled)	6			694	2050	60	17. 00	34	166	6.83	0.4 5	0.0 0	0.09	100	100	0.00	1.2 3
	3	(unti tled)	6			505	2050	60	6.0 0	25	265	6.65	0.2 9	0.0 0	0.04	100	100	0.00	0.5 7
B	1	(unti tled)	1	769-1	B	366	2050	11	0.0 0	89	1	61.35	54. 25	13 2.5 2	8.47	20	0	0.00	15. 67
	2	(unti tled)	1	769-1	B	309	2150	11	1.3 6	81	11	49.44	42. 15	11 2.5 1	5.92	20	0	0.00	10. 27
	3	(unti tled)	1	769-1	B	294	2100	11	0.0 0	70	29	39.58	32. 10	98. 97	4.88	20	0	0.00	7.4 5
	4	(unti tled)	1	769-1	B	344	2050	11	0.0 0	84	7	56.44	44. 15	12 2.2 0	7.17	20	0	0.00	11. 98
Bc	1	(unti tled)	1	769-1	A	1045	2050	37	4.0 0	81	12	26.44	14. 48	67. 82	20.9 6	100	500	0.00	13 8.7 5
	2	(unti tled)	1	769-1	A	995	2050	37	5.0 0	77	17	23.47	11. 63	39. 35	7.15	100	500	0.00	89. 32
	3	(unti tled)	1	769-1	A	538	2050	37	12. 00	41	117	13.86	2.1 5	7.6 0	0.68	100	500	0.00	9.1 1
Bc f	1	(unti tled)	1			1666	2263	60	10. 00	74	22	6.55	2.2 1	0.0 0	1.02	100	100	0.00	14. 49
	2	(unti tled)	1			1045	2263	60	12. 00	46	95	6.31	0.6 8	0.0 0	0.20	100	100	0.00	2.8 1
	3	(unti tled)	1			995	2263	60	26. 00	44	105	6.43	0.6 2	0.0 0	0.17	100	100	0.00	2.4 5
	4	(unti tled)	1			538	2263	60	25. 00	24	279	6.69	0.2 5	0.0 0	0.04	100	100	0.00	0.5 3
Bf	1	(unti tled)	1			675	1800	60	0.0 0	38	140	27.94	0.6 0	0.0 0	0.11	100	100	0.00	1.6 0
	2	(unti tled)	1			638	1800	60	0.0 0	35	154	27.96	0.5 5	0.0 0	0.10	100	100	0.00	1.3 8
C	1	(unti tled)	2	769-2	G	79	2100	14	12. 00	15	495	32.84	18. 31	10 0.9 6	1.46	20	0	0.00	1.1 5
	2	(unti tled)	2	769-2	G	529 <	2200	14	0.0 0	96	-7	165.25	15 0.5 2	29 4.8 7	27.2 8 +	20	0	0.00	62. 86

	3	(untitled)	2	769-2	G	253	2050	14	7.00	49	83	44.63	29.71	105.58	4.45	20	0	0.00	5.92
Cf	**1**	(untitled)	2			515 <	1965	60	44.27	100	-10	218.69	201.34	3707.00	35.51 +	100	100	0.00	4330.04
	2	(untitled)	2			346	1965	60	46.23	31	187	25.46	7.95	73.40	4.64	100	100	0.00	14.05
D	**1**	(untitled)	3	770-1	B	385	2050	12	0.00	87	4	50.45	46.33	1214.40	8.03	20	0	0.00	14.07
	2	(untitled)	3	770-1	B	237	1850	12	0.00	59	52	31.66	27.53	92.07	3.65	20	0	0.00	5.15
	3	(untitled)	3	770-1	B	333	2250	12	0.00	68	32	33.39	29.43	96.26	5.49	20	0	0.00	7.73
	4	(untitled)	3	770-1	B	348	2250	12	0.00	71	26	34.95	30.79	99.04	5.82	20	0	0.00	8.45
Dc	**1**	(untitled)	3	770-1	A	569	2100	38	16.00	42	116	10.57	4.46	19.80	1.88	100	500	0.00	17.06
	2	(untitled)	3	770-1	A	637	2100	38	10.00	47	93	14.32	8.44	54.83	5.82	100	500	0.00	43.13
	3	(untitled)	3	770-1	A	151	2100	38	31.00	11	714	5.81	0.16	0.00	0.01	100	500	0.00	0.10
	4	(untitled)	3	770-1	A	102	2100	38	31.00	7	1107	5.51	0.11	0.00	0.00	100	500	0.00	0.04
Dcf	**1**	(untitled)	3			795	2050	60	28.00	39	132	5.46	0.56	0.00	0.12	100	100	0.00	1.74
	2	(untitled)	3			1073	2100	60	26.00	51	76	5.79	0.89	0.00	0.27	100	100	0.00	3.78
	3	(untitled)	3			569	2100	60	35.00	27	232	6.23	0.32	0.00	0.05	100	100	0.00	0.71
	4	(untitled)	3			637	2100	60	16.00	30	197	7.77	0.37	0.00	0.07	100	100	0.00	0.94
	5	(untitled)	3			151	2100	60	52.00	7	1153	5.03	0.07	0.00	0.00	100	100	0.00	0.04
	6	(untitled)	3			102	2050	60	52.00	5	1713	7.99	0.05	0.00	0.00	100	100	0.00	0.02
Df	**1**	(untitled)	3-2			622	1900	60	0.00	33	175	24.46	0.46	0.00	0.08	100	100	0.00	1.13
	2	(untitled)	3-2			681	2250	60	0.00	30	197	24.35	0.35	0.00	0.07	100	100	0.00	0.93
Dxp	**1**	(untitled)	3-2	770-2	D	804	2050	43	5.00	53	68	6.06	2.63	12.54	1.73	100	100	0.00	11.58
	2	(untitled)	3-2	770-2	D	1073	2050	43	6.00	71	26	6.64	3.03	5.38	0.98	100	100	0.00	14.67
Ec	**1**	(untitled)	4	770-3	F	418	2150	18	3.00	61	47	13.98	10.22	36.59	2.81	100	500	0.00	41.41
	2	(untitled)	4	770-3	F	388	2263	18	2.00	54	66	16.77	13.14	46.31	3.00	100	500	0.00	48.93
	3	(untitled)	4	770-3	F	402	2263	18	4.00	56	61	10.31	6.80	22.35	2.67	100	500	0.00	25.19
	4	(untitled)	4	770-3	F	339	2250	18	6.00	48	89	10.14	4.72	15.02	1.66	100	500	0.00	9.51
Ecf	**1**	(untitled)	4			660	2100	60	24.00	31	186	3.84	0.39	0.00	0.07	100	100	0.00	1.02
	2	(untitled)	4			931	2100	60	18.00	44	103	4.16	0.68	1.14	2.50	100	100	0.00	2.85
	3	(untitled)	4			388	2263	60	39.00	17	425	4.98	0.16	0.00	0.02	100	100	0.00	0.25
	4	(untitled)	4			402	2300	60	39.00	17	415	5.50	0.17	0.00	0.02	100	100	0.00	0.26
	5	(untitled)	4			381	2300	60	39.00	17	443	5.79	0.16	0.00	0.02	100	100	0.00	0.23
Ef	**1**	(untitled)	4			771	1900	60	0.00	41	122	15.95	0.65	0.00	0.14	100	100	0.00	1.97

	2	(untitled)	4			551	1900	60	0.00	29	210	15.69	0.39	0.00	0.06	100	100	0.00	0.84
Exp	1	(untitled)	4-2	770-4	L	660	2050	42	14.00	45	100	6.43	2.54	19.88	2.50	100	100	0.00	10.82
	2	(untitled)	4-2	770-4	L	513	2050	42	14.00	35	158	7.41	3.38	36.73	7.06	100	100	0.00	12.90
F	1	(untitled)	5	771-1	B	190	2100	8	3.00	60	49	49.35	42.96	113.81	3.63	20	0	0.00	6.45
	2	(untitled)	5	771-1	B	315 <	2100	8	0.00	100	-10	237.57	231.14	311.35	22.31 +	20	0	0.00	57.44
	3	(untitled)	5	771-1	B	315 <	2100	8	0.00	100	-10	237.71	231.16	311.35	22.31 +	20	0	0.00	57.44
Fc	1	(untitled)	5	771-1	A	673	2263	42	10.00	41	117	22.60	3.23	24.20	2.71	100	500	0.00	21.22
	2	(untitled)	5	771-1	A	862	2263	42	13.86	57	58	22.71	3.26	17.01	2.43	100	500	0.00	21.99
	3	(untitled)	5	771-1	A	740	2263	42	20.18	51	78	29.71	10.23	61.27	7.15	100	500	0.00	65.10
Ff	1	(untitled)	5			505 <	1900	60	44.04	100	-10	359.65	326.56	563.45	58.58 +	100	100	0.00	686.74
	2	(untitled)	5			310	1900	60	50.05	99	-9	313.67	280.62	350.15	29.28	100	100	0.00	357.49
G	1	(untitled)	2	769-2	F	292	2050	14	5.66	60	51	55.12	39.14	109.52	5.59	100	500	0.00	72.37
	2	(untitled)	2	769-2	F	301	2050	14	0.59	61	47	50.80	39.41	104.44	7.43	100	500	0.00	97.25
Gf	1	(untitled)	4			288	2050	60	46.00	14	541	3.18	0.14	0.00	0.01	100	100	0.00	0.16
	2	(untitled)	4			263	2050	60	46.00	13	602	3.13	0.13	0.00	0.01	100	100	0.00	0.13
xA	1	(untitled)	10			802	2263	60	21.00	35	154	17.66	0.44	0.00	0.10	100	100	0.00	1.38
	2	(untitled)	10			748	2263	60	27.00	33	172	17.64	0.39	0.00	0.08	100	100	0.00	1.16
xB	1	(untitled)				1666	Unrestricted	60	0.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	1	(untitled)				652	1900	60	38.63	96	-7	58.56	49.89	111.33	16.84	100	100	0.00	151.63
	2	(untitled)				633	1900	60	39.16	92	-2	38.97	30.27	78.71	11.26	100	100	0.00	91.64
xD	1	(untitled)				804	Unrestricted	60	11.00	0	Unrestricted	9.11	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				1073	Unrestricted	60	14.00	0	Unrestricted	9.16	0.00	0.00	0.00	100	100	0.00	0.00
xE	1	(untitled)				660	Unrestricted	60	4.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				513	Unrestricted	60	14.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	1	(untitled)				779	Unrestricted	60	2.00	0	Unrestricted	14.26	0.00	0.00	0.00	100	100	0.00	0.00
Cc1	1	(untitled)	2	769-2	E	692	2050	31	1.07	63	42	11.25	4.69	16.42	3.11	100	100	0.00	17.28
E1	1	(untitled)	4	770-3	G	370	2050	11	0.00	90	0	62.86	56.86	135.90	8.84	20	0	0.00	16.60
	2	(untitled)	4	770-3	G	401	2200	11	0.00	91	-1	63.43	57.43	136.51	9.61	20	0	0.00	18.17

Gf1	**1**	(untitled)	4			42	689	60	47.00	6	1377	5.92	0.18	0.22	0.00	100	100	0.00	0.03
Cc2	**2**	(untitled)	2	769-2	D	719	2150	32	4.51	62	46	19.77	9.99	61.63	7.44	100	500	0.00	65.57
	3	(untitled)	2	769-2	D	334	2050	32	23.00	30	204	18.73	8.61	100.81	5.68	100	500	0.00	37.31
	4	(untitled)	2	769-2	D	1069	2150	32	1.07	91	-1	21.66	15.49	33.54	6.58	100	500	0.00	135.88
	5	(untitled)	2	769-2	D	343	2050	32	10.20	33	176	11.81	4.69	30.14	2.43	100	500	0.00	24.07
	6	(untitled)	2	769-2	D	0	2050	32	33.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	500	0.00	0.00
E2	**3**	(untitled)	4	770-3	H	288	2150	13	0.33	59	53	29.71	25.71	88.46	4.25	20	0	0.00	5.84
	4	(untitled)	4	770-3	H	263	2050	13	0.00	55	64	28.87	24.80	87.45	3.84	20	0	0.00	5.14
TC5	**2**	(untitled)	TC771-6	TC777-1	A	636	2263	39	13.00	41	119	4.62	1.85	16.19	1.72	100	100	0.00	5.95
	3	(untitled)	TC771-6	TC777-1	A	748	2263	39	15.00	48	86	4.72	1.95	12.13	1.68	100	100	0.00	6.91
	4	(untitled)	TC771-6	TC777-1	C	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC9	**1**	(untitled)	TC771-6	TC777-1	B	1294 <	1925	40	0.00	94	-4	35.27	24.26	91.41	21.22 +	100	100	0.00	138.66
	2	(untitled)	TC771-6	TC777-1	B	694	1966	40	0.00	49	83	16.03	4.96	38.57	4.76	100	100	0.00	16.94
	3	(untitled)	TC771-6	TC777-1	B	383	1947	40	0.00	27	228	14.61	3.49	32.45	2.07	100	100	0.00	6.83
TC35	**1**	(untitled)	TC771-6	TC777-1	A	165	1900	39	12.00	13	606	4.71	1.82	30.37	1.46	100	100	0.00	1.82
TC36	**1**	(untitled)	TC771-6			401	1800	60	0.00	22	304	3.31	0.29	0.00	0.03	100	100	0.00	0.45
TC37	**1**	(untitled)	TC771-6	TC777-2	J	73	1850	45	0.00	5	1649	5.01	1.82	23.45	0.29	100	100	0.00	1.12
TC38	**1**	(untitled)	TC771-6			73	433	60	14.00	17	434	2.70	1.17	25.29	2.43	100	100	0.00	0.98
TC39	**2**	(untitled)	TC771-6			636	2263	60	32.00	28	220	2.85	0.31	0.00	0.05	100	100	0.00	0.78
	3	(untitled)	TC771-6			748	2263	60	34.00	33	172	2.79	0.39	0.00	0.08	100	100	0.00	1.16
TC40	**2**	(untitled)	TC771-6			709	Unrestricted	60	1.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC771-6			748	Unrestricted	60	19.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
TC41	**1**	(untitled)	TC771-6	TC777-1	D	328 <	1850	10	0.00	97	-7	96.52	92.59	173.83	11.18 +	100	100	0.00	139.65
TC42	**1**	(untitled)	TC771-6	TC777-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC43	**1**	(untitled)				0	1800	60	60.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	100	0.00	0.00

47	**1**	(untitled)	2			1285	1300	60	0.00	99	-9	55.74	39.71	0.00	14.18	100	100	0.00	201.34
48	**1**	(untitled)	2			965 <	1965	60	33.69	112	-20	227.69	221.07	282.15	69.66 +	100	100	0.00	871.96
49	**1**	(untitled)	TC 771-6			1294	1900	60	2.07	71	28	5.52	2.37	5.64	3.00	100	100	0.00	13.00
	2	(untitled)	TC 771-6			1077	1900	60	0.00	57	59	4.39	1.24	0.00	0.37	100	100	0.00	5.25
50	**1**	(untitled)	1			1313	1900	60	0.00	69	30	7.89	2.11	0.00	0.77	100	100	0.00	10.92
51	**1**	(untitled)	4-2			904 <	1900	60	34.23	111	-19	207.45	202.95	271.81	61.34 +	100	100	0.00	751.48
52	**1**		1	770-3	A	392	1800	14	0.00	87	3	66.54	45.78	117.88	8.50	100	500	0.00	99.76
	2		1	770-3	A	344	1800	14	2.00	76	18	35.85	15.06	25.66	1.53	100	500	0.00	25.97
53	**1**		2			392	1800	60	15.00	22	313	5.55	0.28	0.00	0.03	100	100	0.00	0.43
	2		2			344	1800	60	44.00	19	371	5.49	0.42	10.56	4.12	100	100	0.00	1.03

Pedestrian Crossing Results

				SIGNALS		FLOWS		PERFORMANCE			PER PED		QUEUES	WEIGHTS	PENALTIES	P.I.
Pedestrian	**Side**	**Name**	**Traffic node**	**Controller stream**	**Phase**	**Calculated Flow Entering (Ped/hr)**	**Calculated sat flow (Ped/hr)**	**Actual green (s (per cycle))**	**Degree of saturation (%)**	**Practical reserve capacity**	**Journey Time (s)**	**Mean Delay per Ped (s)**	**Mean max queue (Ped)**	**Delay weighting (%)**	**Cost of traffic penalties (£ per hr)**	**P.I.**
1	**1**	(untitled)	3-2	770-2	E	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3-2	770-2	E	0	11000	5	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	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4-2	770-4	M	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
4	**1**	(untitled)	4	770-3	J	0	11000	21	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	J	0	11000	21	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	**1**	(untitled)	4	770-3	I	0	11000	23	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	I	0	11000	23	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	36	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

8	**1**	(untitled)	1	769-1	C	0	11000	33	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	1	769-1	C	0	11000	33	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
9	**1**	(untitled)	2	769-2	J	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	J	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
10	**1**	(untitled)	2	769-2	K	0	11000	16	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	K	0	11000	16	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	**1**	(untitled)		769-2	H	0	11000	29	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	29	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	**1**	(untitled)	2	769-2	I	0	11000	29	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	29	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
13	**1**	(untitled)		TC777-1	I	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	I	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
14	**1**	(untitled)		TC777-1	F	0	11000	40	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	F	0	11000	40	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	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	H	0	11000	8	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	6361.23	616.80	10.31	447.06	4790.11	876.07	0.00	5666.18
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	6361.23	616.80	10.31	447.06	4790.11	876.07	0.00	5666.18

- *< = 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

For sales and distribution information, program advice and maintenance, contact TRL:
+44 (0)1344 379777 software@trl.co.uk www.trlsoftware.co.uk

Filename: M62 JN 28 CRF Scheme_Mar 20_PF_Sept 20_RevC_mitigation DS_optA+B_2032+Com+CP+Dev_04.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Option A+B
Report generation date: 24/01/2021 14:34:12

Summary of network performance

	Set ID	Cycle time (s)	PI (£ per hr)	Total delay (PCU-hr/hr)	Highest DOS	Number oversaturated
	AM Base 2032 + Com Dev + CP + Dev - AM 2032 + Com Dev + CP + Dev					
Network	A15 D15	120	567213.90	2169.36	371% (TS Df/1)	25 (16%)

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 TRANSYT 12 style timings	Display effective greens in results	Display Red-With-Amber	Display End-Of-Green Amber	Display controller 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

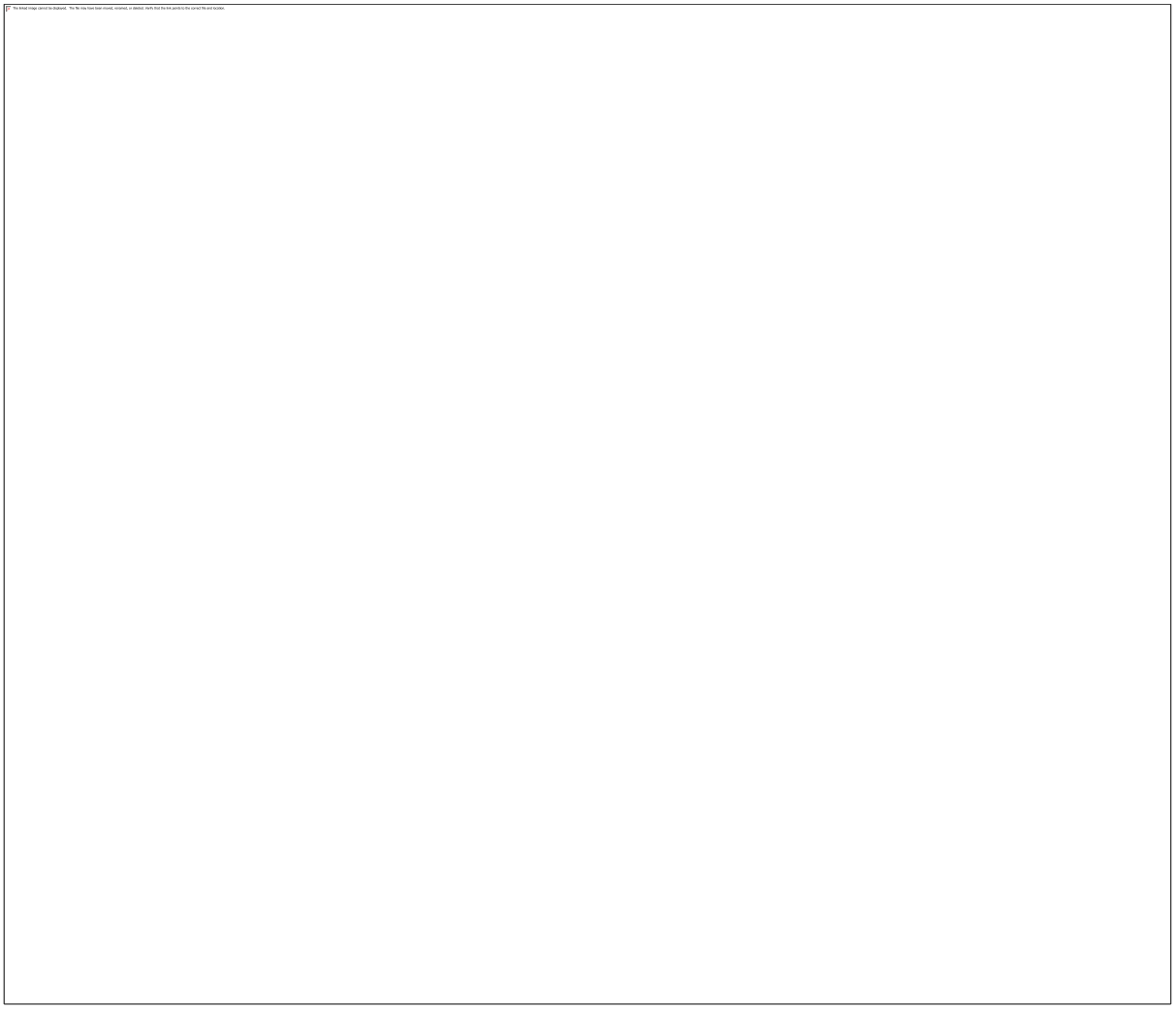
Sorting

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



A15 - AM Base 2032 + Com Dev + CP + Dev
D15 - AM 2032 + Com Dev + CP + Dev,

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: Auto Calculate option is switched off - OD flows will not be allocated automatically to the network.
Warning	Traffic Stream Signals	Arm TC42 - Traffic Stream 1 - Signals (TC777-1, E)	Traffic Stream 1 controlling phase E never runs in the current stage sequence.
Info	Arm Data	Arm xC	No traffic node specified for arm(s): xC
Info	Traffic Stream Signals	Arm TC42 - Traffic Stream 1 - Signals (TC777-1, E)	Traffic Stream 1 controlling phase E never runs in stage sequence 1.

Run Summary

Analysis set used	Run start time	Run finish time	Run duration (s)	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Item with worst overall PRC	Network within capacity
15	24/01/2021 14:32:59	24/01/2021 14:33:14	15.30	07:30	120	567213.90	2169.36	371.16	Df/1	25	16	TC42/1	Df/1	TC42/1	

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
AM Base 2032 + Com Dev + CP + Dev			✓	D15		✓	

Demand Set Details

Scenario name	Time Period name	Description	Composite	Demand sets	Start time (HH:mm)	Locked	Run automatically
AM 2032 + Com Dev + CP + Dev					07:30		✓

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)
120	72	70		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		✓	769-1, 769-2, 770-1, 770-2, 770-3, 770-4, 771-1, 771-2, 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
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

52			1
53			2

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto length	Length (m)	Has Saturation Flow	Saturation flow source	Saturation flow (PCU/hr)	Auto-calculate cell saturation flow	Cell saturation flow (PCU/hr)	Is signal controlled	Is give way	Traffic type	Allow Nearside Turn On Red
A	**1**	(untitled)	M62E	✓	74.35	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.69	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.40	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.11	✓	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)		✓	62.77	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	62.62	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.46	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.38	✓	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	✓	122.73	✓	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	
	4	(untitled)	Leeds/M62/Wake	✓	55.42	✓	Directly entered	2250		2250	✓		Normal	
Dc	**1**	(untitled)	Brad	✓	50.91	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.96	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	47.02	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	45.07	✓	Directly entered	2100		2100	✓		Normal	
Dcf	**1**	(untitled)		✓	65.43	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	65.28	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	65.54	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	67.69	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	66.13	✓	Directly entered	2100		2100			Normal	
	6	(untitled)		✓	66.17	✓	Directly entered	2050		2050			Normal	
Df	**1**	(untitled)			200.00	✓	Sum of lanes	1900					Normal	
	2	(untitled)			200.00	✓	Directly entered	2250					Normal	
Dxp	**1**	(untitled)		✓	45.75	✓	Directly entered	2050			✓		Normal	
	2	(untitled)		✓	48.11	✓	Directly entered	2050			✓		Normal	
Ec	**1**	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal	
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)	M62E	✓	45.11	✓	Directly entered	2250		2250	✓		Normal	
Ecf	**1**	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal	
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	46.95	✓	Directly entered	2263		2263			Normal	
	4	(untitled)		✓	47.51	✓	Directly entered	2300		2300			Normal	
	5	(untitled)		✓	48.55	✓	Directly entered	2300		2300			Normal	
Ef	**1**	(untitled)		✓	127.54	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal	

Exp	**1**	(untitled)		✓	51.83	✓	Directly entered	2050		2100	✓		Normal	
	2	(untitled)		✓	53.71	✓	Directly entered	2050		2100	✓		Normal	
F	**1**	(untitled)	Leeds	✓	85.13	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.25	✓	Directly entered	2100		2100	✓		Normal	
Fc	**1**	(untitled)	Leeds	✓	178.68	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Leeds	✓	175.19	✓	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)		✓	121.44								Normal	
	2	(untitled)		✓	122.12								Normal	
xE	**1**	(untitled)		✓	173.89								Normal	
	2	(untitled)		✓	173.83								Normal	
xF	**1**	(untitled)		✓	158.35								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)		✓	47.81							✓	Normal	
Cc2	**2**	(untitled)	Dews	✓	91.52	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	91.11	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	90.39	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	90.48	✓	Directly entered	2050		2050	✓		Normal	

	6	(untitled)	Leeds	✓	88.08	✓	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)		✓	92.21	✓	Sum of lanes	1966		1966	✓		Normal	
	3	(untitled)		✓	92.69	✓	Sum of lanes	1947		1947	✓		Normal	
TC35	**1**	(untitled)		✓	24.16	✓	Directly entered	1900		2263	✓		Normal	
TC36	**1**	(untitled)		✓	25.22	✓	Sum of lanes	1800					Normal	
TC37	**1**	(untitled)		✓	44.32	✓	Directly entered	1850		1850	✓		Normal	
TC38	**1**	(untitled)		✓	21.32	✓	Directly entered	1850		1850		✓	Normal	
TC39	**2**	(untitled)		✓	35.24	✓	Directly entered	2263		2263			Normal	
	3	(untitled)		✓	33.28	✓	Directly entered	2263		2263			Normal	
TC40	**2**	(untitled)		✓	58.74								Normal	
	3	(untitled)		✓	55.82								Normal	
TC41	**1**	(untitled)		✓	54.63	✓	Directly entered	1850		1850	✓		Normal	
TC42	**1**	(untitled)		✓	23.35	✓	Sum of lanes	1771			✓		Normal	
TC43	**1**	(untitled)		✓	51.77	✓	Sum of lanes	1800					Normal	
47	**1**	(untitled)		✓	133.63	✓	Directly entered	1300		1300			Normal	
48	**1**	(untitled)		✓	55.12	✓	Sum of lanes	1965					Normal	
49	**1**	(untitled)		✓	26.24	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	26.24	✓	Directly entered	1900					Normal	
50	**1**	(untitled)		✓	48.15	✓	Sum of lanes	1900					Normal	
51	**1**	(untitled)		✓	37.47	✓	Sum of lanes	1900					Normal	
52	**1**			✓	173.00	✓	Sum of lanes	1800	✓	1800	✓		Normal	
	2			✓	173.18	✓	Sum of lanes	1800	✓	1800	✓		Normal	
53	**1**			✓	43.95	✓	Sum of lanes	1800					Normal	
	2			✓	42.23	✓	Sum of lanes	1800					Normal	

Lanes

Arm	Traffic	Lane	Name	Description	Use RR67	Surface condition	Site qualit	Gradient (%)	Width (m)	Use connector	Proportion that turn (%)	Turning	Nearside lane	Saturation flow (PCU/hr)

	Stream						y factor			turning radius		radius (m)		
A	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
	4	4	(untitled)											
Ac	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
Acf	1	1	(untitled)											
	2	2	(untitled)											
Af	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
B	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
	4	4	(untitled)											
Bc	1	1	(untitled)											
	2	1	(untitled)											
	3	1	(untitled)											
Bcf	1	1	(untitled)											
	2	1	(untitled)											
	3	1	(untitled)											
	4	1	(untitled)											
Bf	1	1	(untitled)											1800
	2	1	(untitled)											1800
C	1	1	(untitled)											
	2	2	(untitled)											
	3	3	(untitled)											
Cf	1	2	(untitled)											1965
	2	1	(untitled)											1965
D	1	1	(untitled)											

	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**3**	(untitled)											
Dc	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
Dcf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
	5	**5**	(untitled)											
	6	**1**	(untitled)											
Df	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											
Dxp	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
Ec	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
	3	**1**	(untitled)											
	4	**1**	(untitled)											
Ecf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
	5	**4**	(untitled)											
Ef	**1**	**1**	(untitled)											
	2	**2**	(untitled)											1900
Exp	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
F	**1**	**1**	(untitled)											
	2	**2**	(untitled)											

	3	**3**	(untitled)											
Fc	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Ff	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											1900
G	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
Gf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xA	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xB	**1**	**1**	(untitled)											
xC	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											1900
xD	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xE	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xF	**1**	**1**	(untitled)											
Cc1	**1**	**1**	(untitled)											
E1	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
Gf1	**1**	**1**	(untitled)											
Cc2	**2**	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
	5	**5**	(untitled)											
	6	**5**	(untitled)											
E2	**3**	**3**	(untitled)											
	4	**4**	(untitled)											
TC5	**2**	**1**	(untitled)		✓	N/A	Clearly Good	0	3.50	✓	0	99999.00		2263

	3	1	(untitled)											
	4	1	(untitled)											1800
TC9	1	1	(untitled)											
	2	1	(untitled)		✓	N/A	Average	0	3.70	✓	0	99999.00		1966
	3	1	(untitled)		✓	N/A	Average	0	3.50	✓	0	99999.00		1947
TC35	1	1	(untitled)											
TC36	1	1	(untitled)											1800
TC37	1	1	(untitled)											
TC38	1	1	(untitled)											
TC39	2	1	(untitled)											
	3	1	(untitled)											
TC40	2	1	(untitled)											
	3	1	(untitled)											
TC41	1	1	(untitled)											
TC42	1	1	(untitled)		✓	N/A	Average	0	3.00	✓	0	9.44	✓	1771
TC43	1	1	(untitled)											1800
47	1	1	(untitled)											
48	1	1	(untitled)											1965
49	1	2	(untitled)											
	2	1	(untitled)											
50	1	1	(untitled)											1900
51	1	1	(untitled)											1900
52	1	1	(untitled)											1800
	2	1	(untitled)											1800
53	1	1	(untitled)											1800
	2	1	(untitled)											1800

Modelling

Arm	Traffic Stream	Traffic model	Stop weighting multiplier (%)	Delay weighting multiplier (%)	Assignment Cost Weighting (%)	Exclude from results calculation	Max queue storage (PCU)	Has queue limit	Queue limit (PCU)	Excess queue penalty (£)	Has degree of saturation limit	Degree of saturation limit (%)	Excess degree of saturation penalty (£)	Low degree of saturation penalty (£)
A	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							

Ac	**1**	CTM	500	100	100		0.00	✓	16.50	9999.00				
	2	CTM	50	100	100		0.00	✓	16.50	9999.00				
	3	CTM	500	100	100		0.00	✓	16.50	9999.00				
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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Bc	**1**	CTM	500	100	100		0.00	✓	22.50	9999.00				
	2	CTM	500	100	100		0.00	✓	22.50	9999.00				
	3	CTM	500	100	100		0.00	✓	22.50	9999.00				
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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
Cf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
D	**1**	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Dc	**1**	CTM	500	100	100		0.00	✓	8.00	9999.00				
	2	CTM	500	100	100		0.00	✓	8.00	9999.00				
	3	CTM	500	100	100		0.00	✓	8.00	9999.00				
	4	CTM	500	100	100		0.00	✓	8.00	9999.00				
Dcf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
	6	CTM	100	100	100		0.00							
Df	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Dxp	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Ec	**1**	CTM	500	100	100		0.00	✓	8.00	9999.00				

	2	CTM	500	100	100		0.00	✓	8.00	9999.00				
	3	CTM	500	100	100		0.00	✓	8.00	9999.00				
	4	CTM	500	100	100		0.00	✓	8.00	9999.00				
Ecf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
Ef	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Exp	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
F	**1**	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
Fc	**1**	CTM	500	100	100		0.00	✓	32.00	9999.00				
	2	CTM	500	100	100		0.00	✓	32.00	9999.00				
	3	CTM	500	100	100		0.00	✓	32.00	9999.00				
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	500	100	100		0.00	✓	26.00	9999.00				
	2	CTM	500	100	100		0.00	✓	26.00	9999.00				
Gf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xA	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xB	**1**	NetworkDefault	100	100	100		0.00							
xC	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xD	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xE	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xF	**1**	NetworkDefault	100	100	100		0.00							
Cc1	**1**	CTM	100	100	100		0.00							
E1	**1**	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
Gf1	**1**	NetworkDefault	100	100	100		0.00							
Cc2	**2**	CTM	500	100	100		0.00	✓	15.00	9999.00				
	3	CTM	500	100	100		0.00	✓	15.00	9999.00				
	4	CTM	500	100	100		0.00	✓	15.00	9999.00				

	5	CTM	500	100	100		0.00	✓	15.00	9999.00				
	6	CTM	500	100	100		0.00	✓	15.00	9999.00				
E2	**3**	CTM	0	20	100		0.00							
	4	CTM	0	20	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							
52	**1**	CTM	500	100	100		0.00	✓	30.00	9999.00				
	2	CTM	500	100	100		0.00	✓	30.00	9999.00				
53	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							

Modelling - Advanced

Arm	Traffic Stream	Initial queue (PCU)	Type of Vehicle-in-Service	Vehicle-in-Service	Type of random parameter	Random parameter	Auto cycle time	Cycle time
(ALL)	**(ALL)**	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	120

Normal traffic - Modelling

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

Normal traffic - Advanced

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

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)
A	1	431	431
	2	249	249
	3	392	392
	4	402	402
Ac	1	1220	1220
	2	509	509
	3	128	128
Acf	1	1729	1729
	2	128	128
Af	1	680	680
	2	392	392
	3	402	402
B	1	382	382
	2	521	521
	3	525	525
	4	589	589
Bc	1	758	758
	2	476	476
	3	446	446
Bcf	1	1651	1651
	2	758	758
	3	476	476
	4	446	446
Bf	1	903	903
	2	1114	1114
C	1	115	115
	2	921	921
	3	617	617
Cf	1	886	886
	2	767	767
D	1	548	548
	2	551	551
	3	671	671
	4	682	682
Dc	1	878	878
	2	946	946
	3	348	348
	4	269	269
Dcf	1	803	803
	2	484	484
	3	878	878
	4	946	946
	5	348	348
	6	269	269
Df	1	1099	1099
	2	1353	1353
Dxp	1	803	803
	2	484	484
Ec	1	785	785
	2	899	899

	3	900	900
	4	677	677
Ecf	**1**	1060	1060
	2	1312	1312
	3	899	899
	4	900	900
	5	722	722
Ef	**1**	935	935
	2	521	521
Exp	**1**	1060	1060
	2	526	526
F	**1**	360	360
	2	512	512
	3	44	44
Fc	**1**	1581	1581
	2	1582	1582
	3	1301	1301
Ff	**1**	872	872
	2	44	44
G	**1**	278	278
	2	288	288
Gf	**1**	277	277
	2	244	244
xA	**1**	1926	1926
	2	1597	1597
xB	**1**	1651	1651
xC	**1**	529	529
	2	480	480
xD	**1**	803	803
	2	484	484
xE	**1**	1060	1060
	2	526	526
xF	**1**	912	912
Cc1	**1**	443	443
E1	**1**	311	311
	2	624	624
Gf1	**1**	45	45
Cc2	**2**	697	697
	3	521	521
	4	475	475
	5	381	381
	6	0	0
E2	**3**	277	277
	4	244	244
TC5	**2**	1498	1498
	3	1597	1597
	4	0	0
TC9	**1**	583	583
	2	370	370
	3	355	355
TC35	**1**	428	428
TC36	**1**	201	201
TC37	**1**	35	35
TC38	**1**	35	35
TC39	**2**	1498	1498

	3	1597	1597
TC40	**2**	1533	1533
	3	1597	1597
TC41	**1**	166	166
TC42	**1**	0	0
TC43	**1**	0	0
47	**1**	1009	1009
48	**1**	1653	1653
49	**1**	654	654
	2	654	654
50	**1**	2017	2017
51	**1**	916	916
52	**1**	590	590
	2	589	589
53	**1**	590	590
	2	589	589

Signals

Arm	Traffic Stream	Controller stream	Phase	Second phase enabled
A	**1**	771-2	E	
	2	771-2	E	
	3	771-2	E	
	4	771-2	E	
Ac	**1**	771-2	D	
	2	771-2	D	
	3	771-2	D	
B	**1**	769-1	B	
	2	769-1	B	
	3	769-1	B	
	4	769-1	B	
Bc	**1**	769-1	A	
	2	769-1	A	
	3	769-1	A	
C	**1**	769-2	G	
	2	769-2	G	
	3	769-2	G	
D	**1**	770-1	B	
	2	770-1	B	
	3	770-1	B	
	4	770-1	B	
Dc	**1**	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
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	
	6	769-2	D	
E2	**3**	770-3	H	
	4	770-3	H	
TC5	**2**	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	**1**	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	**1**	TC777-1	A	
TC37	**1**	TC777-2	J	
TC41	**1**	TC777-1	D	
TC42	**1**	TC777-1	E	
52	**1**	770-3	A	
	2	770-3	A	

Entry Sources

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

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	5.58	48.00	✓	Straight	Straight Movement
	2	**1**	Af/1	A/2	5.75	48.00	✓	Straight	Straight Movement
	3	**1**	Af/2	A/3	5.88	48.00	✓	Straight	Straight Movement
	4	**1**	Af/3	A/4	6.01	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	4.71	48.00	✓	Nearside	68.09
	2	**1**	A/2	Bcf/2	6.63	34.00	✓	Nearside	71.40
	3	**1**	A/3	Bcf/3	6.61	34.00	✓	Nearside	74.72
	4	**1**	A/4	Bcf/4	6.60	34.00	✓	Nearside	78.03
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	14.73	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
	4	**1**	Df/2	D/4	4.16	48.00	✓	Straight	Straight Movement
Dc	**1**	**1**	Dcf/3	Dc/1	6.11	30.00	✓	Offside	56.19
	2	**1**	Dcf/4	Dc/2	5.88	30.00	✓	Offside	52.87
	3	**1**	Dcf/5	Dc/3	5.64	30.00	✓	Offside	49.56
	4	**1**	Dcf/6	Dc/4	5.41	30.00	✓	Offside	46.25
Dcf	**1**	**1**	Cc2/2	Dcf/1	4.91	48.00	✓	Straight	Straight Movement
	2	**1**	Cc2/4	Dcf/2	4.90	48.00	✓	Straight	Straight Movement
	3	**1**	C/2	Dcf/3	4.92	48.00	✓	Nearside	58.12
	4	**1**	C/2	Dcf/4	5.08	48.00	✓	Nearside	58.12
	5	**1**	C/3	Dcf/5	4.96	48.00	✓	Nearside	61.43
	6	**1**	C/3	Dcf/6	7.94	30.00	✓	Nearside	61.43
Dxp	**1**	**1**	Dcf/1	Dxp/1	3.43	48.00	✓	Nearside	60.22
	2	**1**	Dcf/2	Dxp/2	3.61	48.00	✓	Nearside	63.54
Ec	**1**	**1**	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42

	2	**1**	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	**1**	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	**1**	Ecf/5	Ec/4	5.41	30.00	✓	Offside	66.48
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	3.56	48.00	✓	Offside	66.17
	5	**1**	Dc/4	Ecf/5	3.64	48.00	✓	Offside	62.86
Exp	**1**	**1**	Ecf/1	Exp/1	3.89	48.00	✓	Nearside	52.96
	2	**1**	Ecf/2	Exp/2	4.03	48.00	✓	Nearside	56.27
F	**1**	**1**	Ff/1	F/1	6.38	48.00	✓	Straight	Straight Movement
	2	**1**	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement
	3	**1**	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	**1**	**1**	Ec/2	Fc/1	18.38	35.00	✓	Straight	Straight Movement
	2	**1**	Ec/3	Fc/2	18.02	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	9.11	48.00	✓	Nearside	44.59
	2	**1**	Dxp/2	xD/2	9.16	48.00	✓	Nearside	47.90
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	11.88	48.00	✓	Straight	Straight Movement
Cc1	**1**	**1**	B/1	Cc1/1	8.63	40.00	✓	Straight	Straight Movement
E1	**1**	**1**	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	**1**	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96
Gf1	**1**	**1**	Ecf/5	Gf1/1	5.74	30.00	✓	Offside	21.77
Cc2	**2**	**1**	B/1	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	3	**1**	B/3	Cc2/3	8.20	40.00	✓	Straight	Straight Movement

	4	**1**	B/2	Cc2/4	8.14	40.00	✓	Straight	Straight Movement
	5	**1**	Bc/3	Cc2/5	6.03	54.00	✓	Offside	96.53
	6	**1**	Bc/3	Cc2/6	5.87	54.00	✓	Offside	93.22
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	11.07	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
52	**1**	**1**	53/1	52/1	20.76	30.00	✓	Straight	Straight Movement
	2	**1**	53/2	52/2	20.78	30.00	✓	Straight	Straight Movement
53	**1**	**1**	Bc/3	53/1	5.27	30.00	✓	Offside	5.00
	2	**1**	Bc/3	53/2	5.07	30.00	✓	Offside	5.00
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	3.95	57.00	✓	Offside	89.74
	3	**2**	Ac/3	Bcf/3	3.95	57.00	✓	Offside	86.42
	4	**2**	Ac/3	Bcf/4	3.94	57.00	✓	Offside	86.42
C	**2**	**2**	Cf/1	C/2	14.73	30.00	✓	Offside	56.58
Dcf	**1**	**2**	C/1	Dcf/1	4.91	48.00	✓	Nearside	54.80
	2	**2**	C/1	Dcf/2	4.90	48.00	✓	Nearside	54.80
	3	**2**	Cc2/3	Dcf/3	7.87	30.00	✓	Straight	Straight Movement

	4	**2**	Cc2/3	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
	5	**2**	Cc2/5	Dcf/5	7.94	30.00	✓	Offside	99.16
	6	**2**	Cc2/6	Dcf/6	7.94	30.00	✓	Offside	95.85
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	5.63	30.00	✓	Nearside	46.68
	4	**2**	D/3	Ecf/4	5.70	30.00	✓	Nearside	49.99
	5	**2**	D/4	Ecf/5	5.83	30.00	✓	Nearside	53.30
Fc	**1**	**2**	E1/1	Fc/1	20.10	32.00	✓	Nearside	58.94
	2	**2**	E1/1	Fc/2	19.71	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	11.88	48.00	✓	Nearside	40.67
Cc1	**1**	**2**	Bc/1	Cc1/1	6.39	54.00	✓	Straight	Straight Movement
Cc2	**2**	**2**	Bc/1	Cc2/2	10.98	30.00	✓	Straight	Straight Movement
	3	**2**	Bc/2	Cc2/3	10.93	30.00	✓	Offside	99.84
	4	**2**	Bc/2	Cc2/4	6.03	54.00	✓	Straight	Straight Movement
	5	**2**	B/4	Cc2/5	8.14	40.00	✓	Straight	Straight Movement
	6	**2**	B/4	Cc2/6	7.93	40.00	✓	Straight	Straight Movement
TC9	**2**	**2**	49/1	TC9/2	11.07	30.00	✓	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
53	**1**	**2**	B/3	53/1	5.27	30.00	✓	Offside	40.30
	2	**2**	B/4	53/2	5.07	30.00	✓	Offside	36.99
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
Dcf	**4**	**3**	Cc2/5	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
Fc	**1**	**3**	52/1	Fc/1	21.44	30.00	✓	Offside	13.89
	2	**3**	52/2	Fc/2	21.02	30.00	✓	Offside	10.58
xA	**2**	**3**	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
xF	**1**	**3**	52/1	xF/1	19.00	30.00	✓	Offside	19.56
Cc2	**3**	**3**	B/2	Cc2/3	10.93	30.00	✓	Straight	Straight Movement

	5	**3**	B/3	Cc2/5	10.86	30.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

Traffic Stream	Description	Controlling type	Controlling traffic stream	Percentage opposing (%)	Slope coefficient	Upstream signals visible
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

Pedestrian Crossings - Signals

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

16	TC777-1	H	
17	TC777-2	K	

Pedestrian Crossings - Sides

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

Pedestrian Crossings - Modelling

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

Local OD Matrix - Local Matrix: 1

Local Matrix Options

OD Matrix	Name	Use for point to point table	Allocation mode	Allow paths past exit locations	Allow looped paths on arms	Allow looped paths on traffic nodes	Copy flows	Matrix to copy flows from	Limit paths by length	Path length limit multiplier	Limit paths by number	Path number limit	Limit paths by flow	Low path flow threshold
1	(untitled)	✓	User Equilibrium			✓								

Note: Auto Calculate disabled on this Local Matrix - Paths and Flow Allocation might not be up to date.

Normal Input Flows (PCU/hr)

		To							
		A28	**B28**	**C28**	**D28**	**E28**	**F28**	**G28**	**H28**
From	**A28**	0	55	416	2	497	131	916	0
	B28	40	0	115	294	627	39	538	0
	C28	637	45	0	366	182	45	1177	0
	D28	3	234	275	0	44	109	251	0
	E28	540	521	84	58	0	40	213	0
	F28	66	14	17	61	8	0	35	0
	G28	365	140	380	131	228	64	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	32	l1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	182
	36		C28	E28	Df/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	0
	41		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	540
	49	l1	C28	D28	Df/1, D/1, Ecf/2, Ec/1, xF/1	Normal	366
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	58
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	120
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	40
	100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Normal	244
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	327
	103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
	105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	0
	107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	55
	110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	93
	112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	35
	113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	66
	115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	9
	125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	231
	137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	0
	138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	0
	140		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	309
	141		B28	F28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	39
	142		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	144		B28	G28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	229
	145		B28	H28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	146		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	147		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	148		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	149		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	40
	150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	277
	151		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	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	Normal	0
	155		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	156		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	157		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	158		A28	G28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	159		A28	H28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	160		B28	D28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	294
	161		B28	E28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	252
	162		B28	D28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	163		B28	E28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	164		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	165		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	106
	167		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	168		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal	365
	169		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	3
	170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	137
	171		G28	H28	49/1, TC9/1, TC43/1	Normal	0
	172		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	173		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	14
	174		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	175		A28	D28	50/1, Bf/2, B/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	2
	176		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	177		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	178		B28	E28	48/1, Cf/1, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	225
	179		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	150
	180		A28	H28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	181		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	17
	182		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	183		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	184		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0

	185		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	0
	186		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	89
	187		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	188		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	189		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	190		G28	D28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	191		D28	F28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	192		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	193		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	194		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	251
	196		D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	109
	197		D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	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	234
	200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	201		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	3
	202		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	19
	203		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	204		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	205		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	206		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	207		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	208		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	209		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	210		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	211		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	212		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	213		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	214		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	215		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	216		A28	G28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	589
	217		A28	H28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, xA/2, TC5/4, TC43/1	Normal	0

	218		A28	A28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	219		A28	C28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	220		A28	B28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	221		A28	B28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	222		A28	D28	50/1, Bf/2, B/3, 53/1, 52/1, xF/1	Normal	0
	223		A28	G28	50/1, Bf/2, B/3, 53/1, 52/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	327
	224		A28	F28	50/1, Bf/2, B/3, 53/1, 52/1, Fc/1, xA/1, TC35/1	Normal	131
	225		A28	G28	50/1, Bf/2, B/3, 53/1, 52/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	226		A28	H28	50/1, Bf/2, B/3, 53/1, 52/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	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
	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	84
	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
	252		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	283		E28	B28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	284		E28	B28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	285		E28	B28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	286		E28	B28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	307		G28	C28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	70
	317		C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	671
	318		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	319		C28	B28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	320		C28	B28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	322		C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	491
	323		C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	45
	324		C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	15
	325		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	330		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	637
	331		C28	B28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	332		C28	B28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	334		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	342		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0

	343		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	45
	364		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	379		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	380		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	381		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	382		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	383		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	384		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	385		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	386		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	387		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	388		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	389		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	390		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	391		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	392		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	393		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	394		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	395		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	396		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	397		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	398		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	399		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	400		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	401		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	402		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	403		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	404		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	405		A28	F28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	406		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	407		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	408		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	409		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0

	410		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	411		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	412		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	413		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	414		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	415		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	417		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	418		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	78
	423		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
	424		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	425		E28	C28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	428		E28	C28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	431		D28	C28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	275
	439		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	67
	440		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	441		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	442		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	443		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	444		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	445		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	446		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	447		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	448		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	449		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	450		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	451		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	91
	452		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	160
	453		A28	D28	50/1, Bf/2, B/4, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	454		A28	E28	50/1, Bf/2, B/4, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	455		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	456		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	457		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	458		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	44

	459		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	460		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	5
	461		A28	E28	50/1, Bf/2, B/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	65
	462		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	463		A28	F28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	464		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	465		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	432
	466		A28	D28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	467		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	40
	468		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	469		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC35/1	Normal	64
	470		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	471		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	472		A28	D28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	473		B28	D28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	474		C28	D28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	475		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	476		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	477		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	478		D28	F28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC35/1	Normal	0
	479		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	480		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	481		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	482		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	483		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC35/1	Normal	0
	484		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	485		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	486		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	28
	487		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC35/1	Normal	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 sat flow (PCU/hr)	Actual green (s (per cycle))	Calculated capacity (PCU/hr)	Degree of saturation (%)	Practical reserve capacity (%)	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	JourneyTime (s)
07:30-08:30	A	1	(untitled)	E	431	2050	26	478	90	0	59.57	12.18	94.16	65.15
		2	(untitled)	E	249	2050	26	478	52	73	25.77	5.04	37.79	31.52
		3	(untitled)	E	390	2050	26	478	82	10	38.89	9.02	66.16	44.77
		4	(untitled)	E	364	2050	26	364	100	-10	202.64	22.96	164.79	208.65
	Ac	1	(untitled)	D	795	2263	74	1433	55	62	7.18	5.92	35.50	14.37
		2	(untitled)	D	509	2263	74	1384	37	145	0.89	1.80	11.19	10.38
		3	(untitled)	D	128	2263	74	1430	9	905	4.23	2.33	15.20	10.83
	Acf	1	(untitled)		1304	2263	120	2263	58	56	1.08	0.39	3.23	6.30
		2	(untitled)		128	2263	120	2263	6	1491	0.05	0.00	0.01	7.29
	Af	1	(untitled)		680	2050	120	2050	33	171	0.44	0.08	0.88	6.86
		2	(untitled)		390	2050	120	2050	19	373	0.21	0.02	0.24	6.59
		3	(untitled)		402	2050	120	364	110	-19	245.83	31.44	341.00	252.19
	B	1	(untitled)	B	360	2050	40	718	50	79	17.90	4.35	26.42	25.00
		2	(untitled)	B	491	2150	40	753	65	38	20.87	6.53	38.66	28.16
		3	(untitled)	B	495	2100	40	605	82	10	32.58	8.16	47.05	40.06
		4	(untitled)	B	555	2050	40	718	77	16	25.73	8.93	50.14	38.02
	Bc	1	(untitled)	A	758	2050	56	991	77	18	17.92	18.63	80.62	29.88
		2	(untitled)	A	474	2050	56	991	48	88	18.57	9.03	39.51	30.40
		3	(untitled)	A	404	2050	56	404	100	-10	237.33	30.83	136.27	249.04
	Bcf	1	(untitled)		1226	2263	120	2263	54	66	0.94	0.32	2.93	5.16
		2	(untitled)		758	2263	120	2263	33	169	0.40	0.08	0.77	5.23
		3	(untitled)		474	2263	120	2263	21	330	0.21	0.03	0.26	6.35

	4	(untitled)		408	2263	120	404	101	-11	141.16	20.42	188.23	147.48
Bf	1	(untitled)		851	1800	120	1800	47	90	0.89	0.21	0.53	28.23
	2	(untitled)		1049	1800	120	1800	58	54	1.39	0.41	1.02	28.81
C	1	(untitled)	G	44	2100	34	630	7	1186	12.74	1.45	6.89	27.27
	2	(untitled)	G	354	2200	34	362	98	-8	243.35	27.34	128.08	258.08
	3	(untitled)	G	239	2050	34	615	39	132	23.30	4.55	21.05	38.22
Cf	1	(untitled)		342	1965	120	340	101	-11	313.14	33.98	135.12	330.50
	2	(untitled)		296	1965	120	1001	30	204	9.95	4.89	19.27	27.45
D	1	(untitled)	B	148	2050	20	148	100	-10	348.97	14.89	155.66	353.10
	2	(untitled)	B	148	1850	20	339	44	106	44.57	3.21	33.58	48.70
	3	(untitled)	B	250	2250	20	250	100	-10	196.71	14.39	156.54	200.68
	4	(untitled)	B	254	2250	20	413	62	46	43.36	3.86	40.05	47.51
Dc	1	(untitled)	A	622	2100	80	1435	43	108	1.95	2.47	27.86	8.06
	2	(untitled)	A	584	2100	80	581	100	-10	108.12	19.56	229.70	113.99
	3	(untitled)	A	134	2100	80	1435	9	867	16.49	2.31	28.30	22.13
	4	(untitled)	A	103	2100	80	681	15	494	33.89	1.81	23.03	39.30
Dcf	1	(untitled)		719	2050	120	2050	35	157	0.47	0.09	0.83	5.38
	2	(untitled)		472	2100	120	2100	22	300	0.25	0.03	0.29	5.14
	3	(untitled)		622	2100	120	2100	30	204	0.36	0.06	0.55	7.54
	4	(untitled)		579	2100	120	584	99	-9	113.91	21.98	186.72	120.93
	5	(untitled)		134	2100	120	2100	6	1315	0.06	0.00	0.02	5.02
	6	(untitled)		103	2050	120	2050	5	1687	0.05	0.00	0.01	7.99
Df	1	(untitled)		1099	1900	120	296	371	-76	1322.68	411.42	1182.84	1346.68
	2	(untitled)		1353	2250	120	504	268	-66	1137.65	441.27	1268.65	1161.65
Dxp	1	(untitled)	D	719	2050	103	1777	40	122	0.70	0.15	1.86	4.13
	2	(untitled)	D	472	2050	103	1777	27	239	0.39	4.11	49.15	4.00
Ec	1	(untitled)	F	323	2150	16	323	100	-10	159.39	15.57	178.77	163.15
	2	(untitled)	F	273	2263	16	339	80	12	31.16	7.02	83.32	34.79
	3	(untitled)	F	339	2263	16	339	100	-10	155.38	15.69	192.93	158.89
	4	(untitled)	F	252	2250	16	338	75	20	30.01	5.31	67.66	35.42
Ecf	1	(untitled)		671	2100	120	2100	32	182	0.40	0.07	0.94	3.85
	2	(untitled)		680	2100	120	669	102	-11	106.34	22.41	277.93	109.82

	3	(untitled)		273	2263	120	2263	12	647	0.11	0.01	0.10	4.71
	4	(untitled)		338	2300	120	339	100	-10	136.04	15.06	182.25	141.18
	5	(untitled)		269	2300	120	2300	12	670	0.10	0.01	0.09	5.81
Ef	1	(untitled)		935	1900	120	1900	49	83	0.92	0.24	1.07	16.22
	2	(untitled)		521	1900	120	1900	27	228	0.36	0.05	0.23	15.66
Exp	1	(untitled)	L	671	2050	102	1760	38	136	1.06	2.45	27.16	4.94
	2	(untitled)	L	347	2050	102	1760	20	357	0.32	0.08	0.86	4.35
F	1	(untitled)	B	360	2100	28	525	69	31	27.73	5.69	38.43	34.11
	2	(untitled)	B	512	2100	28	525	98	-8	78.92	15.53	104.18	85.35
	3	(untitled)	B	44	2100	28	525	8	974	17.56	0.55	3.65	24.11
Fc	1	(untitled)	A	645	2263	72	1396	46	95	2.30	1.98	6.38	22.12
	2	(untitled)	A	672	2263	72	1392	48	86	1.92	6.60	21.66	21.25
	3	(untitled)	A	876	2263	72	1396	63	43	7.83	4.89	15.58	27.61
Ff	1	(untitled)		872	1900	120	1900	46	96	0.80	0.19	0.41	33.89
	2	(untitled)		44	1900	120	1900	2	3786	0.02	0.00	0.00	33.07
G	1	(untitled)	F	277	2050	32	563	49	83	15.50	1.98	7.33	31.48
	2	(untitled)	F	261	2050	32	566	46	95	14.14	2.53	9.58	25.52
Gf	1	(untitled)		277	2050	120	2050	14	566	0.14	0.01	0.15	3.17
	2	(untitled)		244	2050	120	2050	12	656	0.12	0.01	0.12	3.12
xA	1	(untitled)		1002	2263	120	2217	45	99	0.89	4.85	12.14	18.12
	2	(untitled)		676	2263	120	2263	30	201	0.34	0.06	0.16	17.59
xB	1	(untitled)		1226	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	1	(untitled)		528	1900	120	1140	46	94	6.08	7.16	35.61	14.75
	2	(untitled)		450	1900	120	1233	36	147	5.32	4.86	24.11	14.02
xD	1	(untitled)		719	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.11
	2	(untitled)		472	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.16
xE	1	(untitled)		671	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		348	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	1	(untitled)		408	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.35
Cc1	1	(untitled)	E	440	2050	60	1039	42	113	18.58	7.78	46.70	25.23
E1	1	(untitled)	G	311	2050	56	991	31	187	10.28	2.93	21.08	16.28
	2	(untitled)	G	624	2200	56	1063	59	53	13.61	6.60	47.44	19.61

Gf1	**1**	(untitled)		17	692	120	692	2	3622	0.06	0.00	0.00	5.80
Cc2	**2**	(untitled)	D	678	2150	62	1128	60	50	10.63	7.60	47.75	20.36
	3	(untitled)	D	496	2050	62	1084	46	97	6.38	2.92	18.44	17.31
	4	(untitled)	D	469	2150	62	1138	41	118	17.08	7.87	50.05	23.48
	5	(untitled)	D	354	2050	62	350	101	-11	213.57	24.38	154.91	220.46
	6	(untitled)	D	0	2050	62	1093	0	Unrestricted	0.00	0.00	0.00	0.00
E2	**3**	(untitled)	H	277	2150	60	1104	25	259	8.66	2.48	26.74	12.66
	4	(untitled)	H	244	2050	60	1059	23	291	8.47	2.35	24.90	12.54
TC5	**2**	(untitled)	A	757	2263	96	1848	41	120	1.64	2.96	74.02	4.40
	3	(untitled)	A	676	2263	96	1848	37	146	1.26	1.55	38.84	4.02
	4	(untitled)	C	0	1800	8	135	0	Unrestricted	0.00	0.00	0.00	0.00
TC9	**1**	(untitled)	B	583	1925	84	1396	42	115	7.43	6.89	43.20	18.44
	2	(untitled)	B	368	1966	84	1425	26	249	6.03	3.83	23.87	17.09
	3	(untitled)	B	355	1947	84	1290	28	227	6.21	3.70	22.96	17.33
TC35	**1**	(untitled)	A	254	1900	96	1552	16	449	1.06	1.47	34.88	3.95
TC36	**1**	(untitled)		201	1800	120	1800	11	706	0.13	0.01	0.16	3.15
TC37	**1**	(untitled)	J	35	1850	105	1634	2	4102	0.90	0.14	1.77	4.09
TC38	**1**	(untitled)		35	437	120	437	8	1024	1.03	2.42	65.24	2.57
TC39	**2**	(untitled)		757	2263	120	2263	33	169	0.40	0.08	1.37	2.94
	3	(untitled)		676	2263	120	2263	30	201	0.34	0.06	1.10	2.74
TC40	**2**	(untitled)		792	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
	3	(untitled)		676	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
TC41	**1**	(untitled)	D	166	1850	13	216	77	17	77.20	6.28	66.06	81.14
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)		977	1300	120	1300	75	20	4.15	1.13	4.85	20.18
48	**1**	(untitled)		1653	1965	120	638	259	-65	1113.25	528.85	5516.61	1119.86
49	**1**	(untitled)		653	1900	120	1900	34	162	0.50	0.09	1.97	3.64
	2	(untitled)		653	1900	120	1900	34	162	0.50	0.09	1.97	3.64
50	**1**	(untitled)		2017	1900	120	1900	106	-15	117.14	65.63	783.80	122.91
51	**1**	(untitled)		916	1900	120	1900	48	87	0.88	0.22	3.44	5.38
52	**1**		A	240	1800	14	240	100	-10	487.11	36.27	120.57	507.87

		2		A	240	1800	14	240	100	-10	487.03	36.26	120.39	507.82
	53	1			544	1800	120	240	227	-60	1018.74	164.03	2146.07	1024.02
		2			555	1800	120	240	231	-61	1033.39	161.79	2202.74	1038.46

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	49	77	28	1	7
	2	✓	2	B	84	104	20	1	7
	3		1	A	109	17	28	1	7
	4		2	B	24	44	20	1	7
769-2	1	✓	4	D,E,H,I	79	104	25	1	3
	2	✓	5	F,G,J,K	115	5	10	1	8
	3		4	D,E,H,I	19	44	25	1	3
	4		5	F,G,J,K	55	65	10	1	8
770-1	1	✓	1	A,C	82	0	38	1	5
	2	✓	2	B	7	17	10	1	7
	3		1	A,C	22	60	38	1	5
	4		2	B	67	77	10	1	7
770-2	1	✓	4	D	24	7	103	1	7
	2	✓	5	E	12	17	5	1	5
770-3	1	✓	4	A	19	26	7	1	7
	2	✓	7	F,I,J	31	35	4	1	3
	3	✓	9	G,H	46	74	28	1	4
	4		4	A	79	86	7	1	7
	5		7	F,I,J	91	95	4	1	3
	6		9	G,H	106	14	28	1	4
770-4	1	✓	11	L	84	66	102	1	7
	2	✓	12	M	71	77	6	1	6
771-1	1	✓	1	A,C	38	68	30	1	9
	2	✓	3	B	79	93	14	1	7
	3		1	A,C	98	8	30	1	9
	4		3	B	19	33	14	1	7
771-2	1	✓	5	D	32	69	37	1	7
	2	✓	6	E	74	87	13	1	7
	3		5	D	92	9	37	1	7
	4		6	E	14	27	13	1	7
TC777-1	1	✓	1	A,B,F	40	3	83	1	6
	2	✓	2	A,C,F,G	8	16	8	1	7
	3	✓	5	D,H,I	23	34	11	1	6
TC777-2	1	✓	1	J	84	69	105	1	7
	2	✓	2	K	74	79	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	A	A	7	300	0	0	Traffic
	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	✓	74.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	2	✓	76.69	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0

	3	✓	78.40	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	4	✓	80.11	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Ac	**1**	✓	95.80	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	92.34	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	50
	3	✓	87.95	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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	20	0
	2	✓	97.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	20	0
	3	✓	99.69	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	4	✓	102.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Bc	**1**	✓	132.85	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	2	✓	131.47	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	3	✓	130.10	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
Bcf	**1**	✓	62.77	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	62.62	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.46	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	62.38	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	20	0
	2	✓	122.73	CTM	0.00	Normal	✓	✓		Directly entered	2200	20	0
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
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	20	0
	2		55.00	CTM	0.00	Normal	✓	✓		Directly entered	1850	20	0
	3	✓	52.87	CTM	0.00	Normal	✓	✓		Directly entered	2250	20	0
	4	✓	55.42	CTM	0.00	Normal	✓	✓		Directly entered	2250	20	0

Dc	**1**	✓	50.91	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	2	✓	48.96	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	3	✓	47.02	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	4	✓	45.07	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
Dcf	**1**	✓	65.43	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	65.28	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	65.54	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	67.69	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	66.13	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	6	✓	66.17	CTM	0.00	Normal	✓			Directly entered	2050	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**	✓	45.75	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	48.11	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ec	**1**	✓	50.09	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	46.77	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	4	✓	45.11	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	500
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	✓	46.95	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	47.51	CTM	0.00	Normal	✓			Directly entered	2300	100	100
	5	✓	48.55	CTM	0.00	Normal	✓			Directly entered	2300	100	100
Ef	**1**	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	**1**	✓	51.83	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.71	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	**1**	✓	85.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	3	✓	87.25	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
Fc	**1**	✓	178.68	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	175.19	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500

	3	✓	180.28	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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	500
	2	✓	151.80	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
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**	✓	121.44	NetworkDefault	0.00	Normal						100	100
	2	✓	122.12	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**	✓	158.35	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	20	0
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	20	0
Gf1	**1**	✓	47.81	NetworkDefault	0.00	Normal			✓			100	100
Cc2	**2**	✓	91.52	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	3	✓	91.11	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	4	✓	90.39	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	5	✓	90.48	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	6	✓	88.08	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
E2	**3**	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	20	0
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
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	✓	92.21	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
52	1	✓	173.00	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	500
	2	✓	173.18	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	500
53	1	✓	43.95	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
	2	✓	42.23	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100

Data entry - Link

Results - Pedestrian

Pedestrian Crossings: Pedestrian summary

Time Segment	Pedestrian crossing	Side	Calculated Flow Entering (Ped/hr)	Degree of saturation (%)	Actual green (s (per cycle))	Mean Delay Per Ped (s)	Mean max queue (Ped)
07:30-08:30	1	1	0	0	5	0.00	0.00
		2	0	0	5	0.00	0.00
	2	1	0	0	76	0.00	0.00
		2	0	0	76	0.00	0.00
	3	1	0	0	6	0.00	0.00
		2	0	0	6	0.00	0.00

4	1	0	0	22	0.00	0.00
	2	0	0	22	0.00	0.00
5	1	0	0	26	0.00	0.00
	2	0	0	26	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	60	0.00	0.00
	2	0	0	60	0.00	0.00
8	1	0	0	0	0.00	0.00
	2	0	0	0	0.00	0.00
9	1	0	0	24	0.00	0.00
	2	0	0	24	0.00	0.00
10	1	0	0	36	0.00	0.00
	2	0	0	36	0.00	0.00
11	1	0	0	60	0.00	0.00
	2	0	0	60	0.00	0.00
12	1	0	0	58	0.00	0.00
	2	0	0	58	0.00	0.00
13	1	0	0	13	0.00	0.00
	2	0	0	13	0.00	0.00
14	1	0	0	97	0.00	0.00
	2	0	0	97	0.00	0.00
15	1	0	0	8	0.00	0.00
	2	0	0	8	0.00	0.00
16	1	0	0	11	0.00	0.00
	2	0	0	11	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

Note: Auto Calculate disabled on this Local Matrix (Paths and Flow Allocation might not be up to date).

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	0.0	216.3	207.6	932.0	303.8	1763.4	1780.7	0.0
	B28	1340.9	0.0	1496.3	2226.2	1794.1	1286.2	1413.1	0.0
	C28	1295.5	1279.8	0.0	1976.5	1726.9	1481.6	1615.8	0.0
	D28	153.4	231.5	215.5	0.0	1081.1	95.3	103.1	0.0
	E28	100.2	95.7	151.9	44.4	0.0	83.7	90.9	0.0
	F28	175.6	245.2	234.6	1792.4	1103.7	0.0	14.0	0.0
	G28	104.1	164.8	155.4	1879.5	1081.2	2476.3	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)
32	C28	E28	182	1726.85	526.66	0.00	0.00	0.00	182	1726.85	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

41	E28	A28	540	100.22	693.15	0.00	0.00	0.00	540	100.22	693.15
49	C28	D28	366	1976.52	509.82	0.00	0.00	0.00	366	1976.52	509.82
50	E28	D28	58	44.38	365.90	0.00	0.00	0.00	58	44.38	365.90
68	E28	G28	120	91.44	732.90	0.00	0.00	0.00	120	91.44	732.90
92	E28	F28	40	83.75	640.05	0.00	0.00	0.00	40	83.75	640.05
100	E28	B28	244	92.55	623.35	0.00	0.00	0.00	244	92.55	623.35
102	A28	C28	327	207.54	694.76	0.00	0.00	0.00	327	207.54	694.76
103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
107	A28	B28	55	216.35	716.08	0.00	0.00	0.00	55	216.35	716.08
110	E28	G28	93	90.17	724.83	0.00	0.00	0.00	93	90.17	724.83
112	F28	G28	35	14.04	149.60	0.00	0.00	0.00	35	14.04	149.60
113	F28	A28	66	175.60	347.66	0.00	0.00	0.00	66	175.60	347.66
115	B28	C28	9	1496.04	556.36	0.00	0.00	0.00	9	1496.04	556.36
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
130	G28	C28	231	156.25	769.88	0.00	0.00	0.00	231	156.25	769.88
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
140	B28	G28	309	1293.72	1059.21	0.00	0.00	0.00	309	1293.72	1059.21
141	B28	F28	39	1286.24	966.36	0.00	0.00	0.00	39	1286.24	966.36
142	B28	G28	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	B28	G28	229	1574.59	1048.14	0.00	0.00	0.00	229	1574.59	1048.14
145	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
146	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
147	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
148	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
149	B28	A28	40	1340.87	1015.84	0.00	0.00	0.00	40	1340.87	1015.84
150	E28	B28	277	98.41	625.89	0.00	0.00	0.00	277	98.41	625.89
151	B28	B28	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	245.19	750.62	0.00	0.00	0.00	14	245.19	750.62
154	E28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
155	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
156	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
159	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
160	B28	D28	294	2226.24	693.92	0.00	0.00	0.00	294	2226.24	693.92
161	B28	E28	252	2053.85	713.02	0.00	0.00	0.00	252	2053.85	713.02
162	B28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
163	B28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
164	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
165	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
166	B28	C28	106	1496.36	553.47	0.00	0.00	0.00	106	1496.36	553.47
167	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
168	G28	A28	365	104.10	385.76	0.00	0.00	0.00	365	104.10	385.76
169	G28	B28	3	163.34	788.72	0.00	0.00	0.00	3	163.34	788.72
170	G28	B28	137	164.79	789.10	0.00	0.00	0.00	137	164.79	789.10
171	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
172	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
173	F28	D28	14	1788.11	867.39	0.00	0.00	0.00	14	1788.11	867.39
174	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
175	A28	D28	2	932.01	838.23	0.00	0.00	0.00	2	932.01	838.23
176	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
177	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

178	B28	E28	225	1750.69	710.57	0.00	0.00	0.00	225	1750.69	710.57
179	B28	E28	150	1424.01	711.82	0.00	0.00	0.00	150	1424.01	711.82
180	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
181	F28	C28	17	234.55	729.68	0.00	0.00	0.00	17	234.55	729.68
182	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
183	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
184	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
185	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
186	A28	C28	89	207.75	699.04	0.00	0.00	0.00	89	207.75	699.04
187	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
188	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
189	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
190	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
191	D28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
192	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
193	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
194	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
195	D28	G28	251	103.15	744.99	0.00	0.00	0.00	251	103.15	744.99
196	D28	F28	109	95.30	652.14	0.00	0.00	0.00	109	95.30	652.14
197	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
198	D28	A28	3	153.42	704.24	0.00	0.00	0.00	3	153.42	704.24
199	D28	B28	234	231.61	1101.39	0.00	0.00	0.00	234	231.61	1101.39
200	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
201	F28	E28	3	257.50	884.60	0.00	0.00	0.00	3	257.50	884.60
202	F28	D28	19	755.41	867.96	0.00	0.00	0.00	19	755.41	867.96
203	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
204	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
205	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
206	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
207	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
208	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
209	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
210	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
211	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
212	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
213	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
214	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
215	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
216	A28	G28	589	1786.09	1111.71	0.00	0.00	0.00	589	1786.09	1111.71
217	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
218	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
219	A28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
220	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
221	A28	B28	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	G28	327	1770.93	1118.58	0.00	0.00	0.00	327	1770.93	1118.58
224	A28	F28	131	1763.45	1025.73	0.00	0.00	0.00	131	1763.45	1025.73
225	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
226	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
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
246	E28	C28	84	151.94	1066.04	0.00	0.00	0.00	84	151.94	1066.04
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
252	F28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
283	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

284	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
285	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
286	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
307	G28	C28	70	156.25	769.88	0.00	0.00	0.00	70	156.25	769.88
317	C28	G28	671	1711.43	864.44	0.00	0.00	0.00	671	1711.43	864.44
318	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
319	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
320	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
322	C28	G28	491	1489.06	875.73	0.00	0.00	0.00	491	1489.06	875.73
323	C28	F28	45	1481.58	782.88	0.00	0.00	0.00	45	1481.58	782.88
324	C28	G28	15	1488.23	871.15	0.00	0.00	0.00	15	1488.23	871.15
325	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
330	C28	A28	637	1295.50	834.69	0.00	0.00	0.00	637	1295.50	834.69
331	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
332	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
334	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
342	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
343	C28	B28	45	1292.05	753.20	0.00	0.00	0.00	45	1292.05	753.20
364	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
379	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
380	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
381	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
382	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
383	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
384	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
385	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
386	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
387	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
388	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
389	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
390	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
391	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
392	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
393	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
394	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
395	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
396	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
397	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
398	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
399	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
400	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
401	G28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
402	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
403	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
404	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
405	A28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
406	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
407	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
408	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
409	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
410	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
411	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
412	F28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
413	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
414	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
415	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

417	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
418	G28	C28	78	152.07	767.78	0.00	0.00	0.00	78	152.07	767.78
423	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
424	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
425	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
428	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
431	D28	C28	275	215.50	1080.45	0.00	0.00	0.00	275	215.50	1080.45
439	G28	E28	67	174.57	923.21	0.00	0.00	0.00	67	174.57	923.21
440	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
441	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
442	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
443	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
444	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
445	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
446	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
447	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
448	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
449	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
450	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
451	G28	D28	91	1624.51	906.47	0.00	0.00	0.00	91	1624.51	906.47
452	G28	E28	160	1464.84	925.57	0.00	0.00	0.00	160	1464.84	925.57
453	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
454	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
455	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
456	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
457	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
458	D28	E28	44	1081.12	1232.00	0.00	0.00	0.00	44	1081.12	1232.00
459	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
460	F28	E28	5	1642.50	886.49	0.00	0.00	0.00	5	1642.50	886.49
461	A28	E28	65	785.20	857.33	0.00	0.00	0.00	65	785.20	857.33
462	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
463	A28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
464	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
465	A28	E28	432	230.90	852.36	0.00	0.00	0.00	432	230.90	852.36
466	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
467	G28	D28	40	2451.15	819.82	0.00	0.00	0.00	40	2451.15	819.82
468	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
469	G28	F28	64	2476.33	1093.97	0.00	0.00	0.00	64	2476.33	1093.97
470	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
471	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
472	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
473	B28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
474	C28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
475	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
476	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
477	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
478	D28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
479	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
480	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
481	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
482	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
483	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
484	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
485	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
486	F28	D28	28	2490.31	780.75	0.00	0.00	0.00	28	2490.31	780.75
487	F28	F28	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 green (s (per cycle))	Wasted time total (s (per cycle))	Degree of saturation (%)	Practical reserve capacity (%)	JourneyTime (s)	Mean Delay per Veh (s)	Mean stops per Veh (%)	Mean max queue (PCU)	Delay weighting multiplier (%)	Stop weighting multiplier (%)	Cost of traffic penalties (£ per hr)	P.I.
A	1	(untitled)	6	771-2	E	431	2050	26	2.00	90	0	65.15	59.57	129.13	12.18	20	0	0.00	20.26
	2	(untitled)	6	771-2	E	249	2050	26	8.00	52	73	31.52	25.77	98.15	5.04	20	0	0.00	5.06
	3	(untitled)	6	771-2	E	390	2050	26	5.00	82	10	44.77	38.89	107.41	9.02	20	0	0.00	11.96
	4	(untitled)	6	771-2	E	364 <	2050	26	6.69	100	-10	208.65	202.64	223.13	22.96 +	20	0	0.00	58.19
Ac	1	(untitled)	6	771-2	D	795	2263	74	30.00	55	62	14.37	7.18	44.47	5.92	100	500	0.00	79.24
	2	(untitled)	6	771-2	D	509	2263	74	48.64	37	145	10.38	0.89	2.98	1.80	100	50	0.00	1.91
	3	(untitled)	6	771-2	D	128	2263	74	56.19	9	905	10.83	4.23	38.44	2.33	100	500	0.00	10.03
Acf	1	(untitled)	6			1304	2263	120	42.00	58	56	6.30	1.08	0.02	0.39	100	100	0.00	5.57
	2	(untitled)	6			128	2263	120	84.00	6	1491	7.29	0.05	0.00	0.00	100	100	0.00	0.02
Af	1	(untitled)	6			680	2050	120	19.00	33	171	6.86	0.44	0.00	0.08	100	100	0.00	1.17
	2	(untitled)	6			390	2050	120	22.00	19	373	6.59	0.21	0.00	0.02	100	100	0.00	0.32
	3	(untitled)	6			402 <	2050	120	98.69	110	-19	252.19	245.83	224.89	31.44 +	100	100	0.00	400.06
B	1	(untitled)	1	769-1	B	360	2050	40	0.00	50	79	25.00	17.90	72.48	4.35	20	0	0.00	5.08
	2	(untitled)	1	769-1	B	491	2150	40	0.00	65	38	28.16	20.87	79.67	6.53	20	0	0.00	8.08
	3	(untitled)	1	769-1	B	495	2100	40	42.00	82	10	40.06	32.58	97.61	8.16	20	0	0.00	12.71
	4	(untitled)	1	769-1	B	555	2050	40	42.00	77	16	38.02	25.73	95.50	8.93	20	0	0.00	11.26
Bc	1	(untitled)	1	769-1	A	758	2050	56	12.00	77	18	29.88	17.92	102.42	18.63	100	500	0.00	140.10
	2	(untitled)	1	769-1	A	474	2050	56	17.00	48	88	30.40	18.57	99.87	9.03	100	500	0.00	87.48
	3	(untitled)	1	769-1	A	404 <	2050	56	58.00	100	-10	249.04	237.33	315.36	30.83 +	100	500	79495.66	80013.73
Bcf	1	(untitled)	1			1226	2263	120	48.00	54	66	5.16	0.94	0.00	0.32	100	100	0.00	4.54
	2	(untitled)	1			758	2263	120	70.00	33	169	5.23	0.40	0.00	0.08	100	100	0.00	1.20
	3	(untitled)	1			474	2263	120	79.00	21	330	6.35	0.21	0.00	0.03	100	100	0.00	0.39

	4	(untitled)	1			408 <	2263	120	98.57	101	-11	147.48	141.16	161.83	20.42 +	100	100	0.00	239.71
Bf	**1**	(untitled)	1			851	1800	120	0.00	47	90	28.23	0.89	0.00	0.21	100	100	0.00	3.00
	2	(untitled)	1			1049	1800	120	0.00	58	54	28.81	1.39	0.00	0.41	100	100	0.00	5.77
C	**1**	(untitled)	2	769-2	G	44	2100	34	32.00	7	1186	27.27	12.74	99.89	1.45	20	0	0.00	0.44
	2	(untitled)	2	769-2	G	354 <	2200	34	16.24	98	-8	258.08	243.35	372.01	27.34 +	20	0	0.00	67.92
	3	(untitled)	2	769-2	G	239	2050	34	21.00	39	132	38.22	23.30	104.60	4.55	20	0	0.00	4.39
Cf	**1**	(untitled)	2			342 <	1965	120	99.25	101	-11	330.50	313.14	413.48	33.98 +	100	100	0.00	440.07
	2	(untitled)	2			296	1965	120	100.87	30	204	27.45	9.95	86.66	4.89	100	100	0.00	14.85
D	**1**	(untitled)	3	770-1	B	148 <	2050	20	13.36	100	-10	353.10	348.97	232.63	14.89 +	20	0	0.00	40.65
	2	(untitled)	3	770-1	B	148	1850	20	7.00	44	106	48.70	44.57	102.45	3.21	20	0	0.00	5.22
	3	(untitled)	3	770-1	B	250 <	2250	20	8.66	100	-10	200.68	196.71	193.31	14.39 +	20	0	0.00	38.82
	4	(untitled)	3	770-1	B	254	2250	20	2.00	62	46	47.51	43.36	90.21	3.86	20	0	0.00	8.70
Dc	**1**	(untitled)	3	770-1	A	622	2100	80	34.00	43	108	8.06	1.95	22.59	2.47	100	500	0.00	13.59
	2	(untitled)	3	770-1	A	584 <	2100	80	48.77	100	-10	113.99	108.12	127.52	19.56 +	100	500	111549.38	111844.96
	3	(untitled)	3	770-1	A	134	2100	80	74.00	9	867	22.13	16.49	100.40	2.31	100	500	0.00	17.10
	4	(untitled)	3	770-1	A	103	2100	80	75.09	15	494	39.30	33.89	102.89	1.81	100	500	0.00	20.46
Dcf	**1**	(untitled)	3			719	2050	120	60.00	35	157	5.38	0.47	0.03	0.09	100	100	0.00	1.35
	2	(untitled)	3			472	2100	120	57.00	22	300	5.14	0.25	0.00	0.03	100	100	0.00	0.46
	3	(untitled)	3			622	2100	120	50.00	30	204	7.54	0.36	0.02	0.06	100	100	0.00	0.89
	4	(untitled)	3			579 <	2100	120	86.62	99	-9	120.93	113.91	167.44	21.98 +	100	100	0.00	279.08
	5	(untitled)	3			134	2100	120	105.00	6	1315	5.02	0.06	0.00	0.00	100	100	0.00	0.03
	6	(untitled)	3			103	2050	120	105.00	5	1687	7.99	0.05	0.00	0.00	100	100	0.00	0.02
Df	**1**	(untitled)	3-2			1099 <	1900	120	101.30	371	-76	1346.68	1322.68	838.01	411.42 +	100	100	0.00	5764.84
	2	(untitled)	3-2			1353 <	2250	120	93.10	268	-66	1161.65	1137.65	630.82	441.27 +	100	100	0.00	6111.32
Dxp	**1**	(untitled)	3-2	770-2	D	719	2050	103	27.00	40	122	4.13	0.70	0.62	0.15	100	100	0.00	2.11
	2	(untitled)	3-2	770-2	D	472	2050	103	37.00	27	239	4.00	0.39	1.66	4.11	100	100	0.00	0.98
Ec	**1**	(untitled)	4	770-3	F	323 <	2150	16	0.00	100	-10	163.15	159.39	190.95	15.57 +	100	500	69204.87	69506.51

	2	(untitled)	4	770-3	F	273	2263	16	2.00	80	12	34.79	31.16	131.35	7.02	100	500	0.00	90.98
	3	(untitled)	4	770-3	F	339 <	2263	16	0.00	100	-10	158.89	155.38	176.42	15.69 +	100	500	73457.87	73762.02
	4	(untitled)	4	770-3	F	252	2250	16	4.00	75	20	35.42	30.01	124.13	5.31	100	500	0.00	49.48
Ecf	**1**	(untitled)	4			671	2100	120	55.00	32	182	3.85	0.40	0.00	0.07	100	100	0.00	1.06
	2	(untitled)	4			680 <	2100	120	81.74	102	-11	109.82	106.34	124.50	22.41 +	100	100	0.00	311.99
	3	(untitled)	4			273	2263	120	97.00	12	647	4.71	0.11	0.00	0.01	100	100	0.00	0.12
	4	(untitled)	4			338 <	2300	120	102.29	100	-10	141.18	136.04	174.82	15.06 +	100	100	0.00	191.86
	5	(untitled)	4			269	2300	120	88.00	12	670	5.81	0.10	0.00	0.01	100	100	0.00	0.11
Ef	**1**	(untitled)	4			935	1900	120	0.00	49	83	16.22	0.92	0.00	0.24	100	100	0.00	3.38
	2	(untitled)	4			521	1900	120	0.00	27	228	15.66	0.36	0.00	0.05	100	100	0.00	0.74
Exp	**1**	(untitled)	4-2	770-4	L	671	2050	102	45.00	38	136	4.94	1.06	6.86	2.45	100	100	0.00	4.27
	2	(untitled)	4-2	770-4	L	347	2050	102	49.00	20	357	4.35	0.32	0.90	0.08	100	100	0.00	0.54
F	**1**	(untitled)	5	771-1	B	360	2100	28	0.00	69	31	34.11	27.73	93.30	5.69	20	0	0.00	7.88
	2	(untitled)	5	771-1	B	512 <	2100	28	0.00	98	-8	85.35	78.92	161.46	15.53 +	20	0	0.00	31.88
	3	(untitled)	5	771-1	B	44	2100	28	28.00	8	974	24.11	17.56	75.52	0.55	20	0	0.00	0.61
Fc	**1**	(untitled)	5	771-1	A	645	2263	72	22.00	46	95	22.12	2.30	10.60	1.98	100	500	0.00	10.96
	2	(untitled)	5	771-1	A	672	2263	72	18.20	48	86	21.25	1.92	10.54	6.60	100	500	0.00	10.45
	3	(untitled)	5	771-1	A	876	2263	72	26.00	63	43	27.61	7.83	33.42	4.89	100	500	0.00	49.13
Ff	**1**	(untitled)	5			872	1900	120	0.00	46	96	33.89	0.80	0.00	0.19	100	100	0.00	2.76
	2	(untitled)	5			44	1900	120	120.00	2	3786	33.07	0.02	0.00	0.00	100	100	0.00	0.00
G	**1**	(untitled)	2	769-2	F	277	2050	32	9.02	49	83	31.48	15.50	51.07	1.98	100	500	0.00	29.00
	2	(untitled)	2	769-2	F	261	2050	32	2.88	46	95	25.52	14.14	46.51	2.53	100	500	0.00	34.00
Gf	**1**	(untitled)	4			277	2050	120	58.00	14	566	3.17	0.14	0.00	0.01	100	100	0.00	0.15
	2	(untitled)	4			244	2050	120	58.00	12	656	3.12	0.12	0.00	0.01	100	100	0.00	0.11
xA	**1**	(untitled)	10			1002	2263	120	40.45	45	99	18.12	0.89	7.24	4.85	100	100	0.00	5.88
	2	(untitled)	10			676	2263	120	64.00	30	201	17.59	0.34	0.00	0.06	100	100	0.00	0.90
xB	**1**	(untitled)				1226	Unrestricted	120	4.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	**1**	(untitled)				528	1900	120	83.00	46	94	14.75	6.08	67.18	7.16	100	100	0.00	24.05
	2	(untitled)				450	1900	120	77.13	36	147	14.02	5.32	51.48	4.86	100	100	0.00	16.86
xD	**1**	(untitled)				719	Unrestricted	120	25.00	0	Unrestricted	9.11	0.00	0.00	0.00	100	100	0.00	0.00

	2	(untitled)				472	Unrestricted	120	51.00	0	Unrestricted	9.16	0.00	0.00	0.00	100	100	0.00	0.00
xE	**1**	(untitled)				671	Unrestricted	120	11.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				348	Unrestricted	120	55.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	**1**	(untitled)				408	Unrestricted	120	27.00	0	Unrestricted	12.35	0.00	0.00	0.00	100	100	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	440	2050	60	23.17	42	113	25.23	18.58	91.43	7.78	100	100	0.00	47.70
E1	**1**	(untitled)	4	770-3	G	311	2050	56	0.00	31	187	16.28	10.28	56.17	2.93	20	0	0.00	2.52
	2	(untitled)	4	770-3	G	624	2200	56	0.00	59	53	19.61	13.61	63.31	6.60	20	0	0.00	6.70
Gf1	**1**	(untitled)	4			17	692	120	106.00	2	3622	5.80	0.06	0.00	0.00	100	100	0.00	0.00
Cc2	**2**	(untitled)	2	769-2	D	678	2150	62	9.02	60	50	20.36	10.63	62.31	7.60	100	500	0.00	64.27
	3	(untitled)	2	769-2	D	496	2050	62	25.54	46	97	17.31	6.38	28.48	2.92	100	500	0.00	21.34
	4	(untitled)	2	769-2	D	469	2150	62	3.49	41	118	23.48	17.08	89.68	7.87	100	500	0.00	110.11
	5	(untitled)	2	769-2	D	354 <	2050	62	43.49	101	-11	220.46	213.57	271.85	24.38 +	100	500	79661.56	80129.59
	6	(untitled)	2	769-2	D	0	2050	62	64.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	500	0.00	0.00
E2	**3**	(untitled)	4	770-3	H	277	2150	60	0.37	25	259	12.66	8.66	51.26	2.48	20	0	0.00	1.89
	4	(untitled)	4	770-3	H	244	2050	60	0.00	23	291	12.54	8.47	49.18	2.35	20	0	0.00	1.63
TC5	**2**	(untitled)	TC771-6	TC777-1	A	757	2263	96	28.00	41	120	4.40	1.64	11.77	2.96	100	100	0.00	6.00
	3	(untitled)	TC771-6	TC777-1	A	676	2263	96	51.00	37	146	4.02	1.26	5.41	1.55	100	100	0.00	3.81
	4	(untitled)	TC771-6	TC777-1	C	0	1800	8	9.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC9	**1**	(untitled)	TC771-6	TC777-1	B	583	1925	84	0.00	42	115	18.44	7.43	35.43	6.89	100	100	0.00	19.69
	2	(untitled)	TC771-6	TC777-1	B	368	1966	84	0.00	26	249	17.09	6.03	31.20	3.83	100	100	0.00	10.19
	3	(untitled)	TC771-6	TC777-1	B	355	1947	84	7.49	28	227	17.33	6.21	33.85	3.70	100	100	0.00	10.20
TC35	**1**	(untitled)	TC771-6	TC777-1	A	254	1900	96	33.00	16	449	3.95	1.06	9.88	1.47	100	100	0.00	1.37
TC36	**1**	(untitled)	TC771-6			201	1800	120	0.00	11	706	3.15	0.13	0.00	0.01	100	100	0.00	0.10
TC37	**1**	(untitled)	TC771-6	TC777-2	J	35	1850	105	105.00	2	4102	4.09	0.90	11.69	0.14	100	100	0.00	0.27
TC38	**1**	(untitled)	TC771-6			35	437	120	89.00	8	1024	2.57	1.03	16.19	2.42	100	100	0.00	0.34
TC39	**2**	(untitled)	TC771-6			757	2263	120	50.00	33	169	2.94	0.40	0.00	0.08	100	100	0.00	1.19
	3	(untitled)	TC771-6			676	2263	120	73.00	30	201	2.74	0.34	0.00	0.06	100	100	0.00	0.90

TC40	2	(untitled)	TC771-6			792	Unrestricted	120	18.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC771-6			676	Unrestricted	120	51.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
TC41	1	(untitled)	TC771-6	TC777-1	D	166	1850	13	0.00	77	17	81.14	77.20	111.97	6.28	100	100	0.00	57.03
TC42	1	(untitled)	TC771-6	TC777-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC43	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			977	1300	120	28.00	75	20	20.18	4.15	0.00	1.13	100	100	0.00	15.99
48	1	(untitled)	2			1653 <	1965	120	81.03	259	-65	1119.86	1113.25	612.34	528.85 +	100	100	0.00	7307.55
49	1	(untitled)	TC771-6			653	1900	120	0.00	34	162	3.64	0.50	0.00	0.09	100	100	0.00	1.28
	2	(untitled)	TC771-6			653	1900	120	0.00	34	162	3.64	0.50	0.00	0.09	100	100	0.00	1.28
50	1	(untitled)	1			2017 <	1900	120	0.00	106	-15	122.91	117.14	76.05	65.63 +	100	100	0.00	950.05
51	1	(untitled)	4-2			916	1900	120	0.00	48	87	5.38	0.88	0.00	0.22	100	100	0.00	3.18
52	1		1	770-3	A	240 <	1800	14	0.00	100	-10	507.87	487.11	581.92	36.27 +	100	500	61507.90	6205 6.65
	2		1	770-3	A	240 <	1800	14	0.00	100	-10	507.82	487.03	581.60	36.26 +	100	500	61397.64	6194 6.21
53	1		2			544 <	1800	120	104.00	227	-60	1024.02	1018.74	533.53	164.03 +	100	100	0.00	2203.59
	2		2			555 <	1800	120	104.02	231	-61	1038.46	1033.39	562.27	161.79 +	100	100	0.00	2278.51

Pedestrian Crossing Results

				SIGNALS		FLOWS		PERFORMANCE			PER PED		QUEUES	WEIGHTS	PENALTIES	P.I.
Pedestrian	Side	Name	Traffic node	Controller stream	Phase	Calculated Flow Entering (Ped/hr)	Calculated sat flow (Ped/hr)	Actual green (s (per cycle))	Degree of saturation (%)	Practical reserve capacity	Journey Time (s)	Mean Delay per Ped (s)	Mean max queue (Ped)	Delay weighting (%)	Cost of traffic penalties (£ per hr)	P.I.
1	1	(untitled)	3-2	770-2	E	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3-2	770-2	E	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
2	1	(untitled)	3	770-1	C	0	11000	76	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3	770-1	C	0	11000	76	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
3	1	(untitled)	4-2	770-4	M	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4-2	770-4	M	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
4	1	(untitled)	4	770-3	J	0	11000	22	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

	2	(untitled)	4	770-3	J	0	11000	22	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	**1**	(untitled)	4	770-3	I	0	11000	26	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	I	0	11000	26	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	60	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	60	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	24	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	J	0	11000	24	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
10	**1**	(untitled)	2	769-2	K	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	K	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	**1**	(untitled)		769-2	H	0	11000	60	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	60	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	**1**	(untitled)	2	769-2	I	0	11000	58	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	58	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
13	**1**	(untitled)		TC777-1	I	0	11000	13	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	I	0	11000	13	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
14	**1**	(untitled)		TC777-1	F	0	11000	97	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	F	0	11000	97	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
15	**1**	(untitled)		TC777-1	G	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	G	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
16	**1**	(untitled)		TC777-1	H	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	H	0	11000	11	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	5805.79	2328.59	2.49	2169.36	29397.51	1541.51	536274.88	567213.90
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TOTAL	5805.79	2328.59	2.49	2169.36	29397.51	1541.51	536274.88	567213.90

- *< = 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

For sales and distribution information, program advice and maintenance, contact TRL:
+44 (0)1344 379777 software@trl.co.uk www.trlsoftware.co.uk

Filename: M62 JN 28 CRF Scheme_Mar 20_PF_Sept 20_RevC_mitigation DS_optA+B_2032+Com+CP+Dev_04.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Option A+B
Report generation date: 24/01/2021 14:37:14

Summary of network performance

	Set ID	Cycle time (s)	PI (£ per hr)	Total delay (PCU-hr/hr)	Highest DOS	Number oversaturated
	PM Base 2032 + Com Dev + CP + Dev - PM 2032 + Com Dev + CP + Dev					
Network	A16 D16	60	201588.95	1128.21	142% (TS 51/1)	27 (17%)

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 TRANSYT 12 style timings	Display effective greens in results	Display Red-With-Amber	Display End-Of-Green Amber	Display controller 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

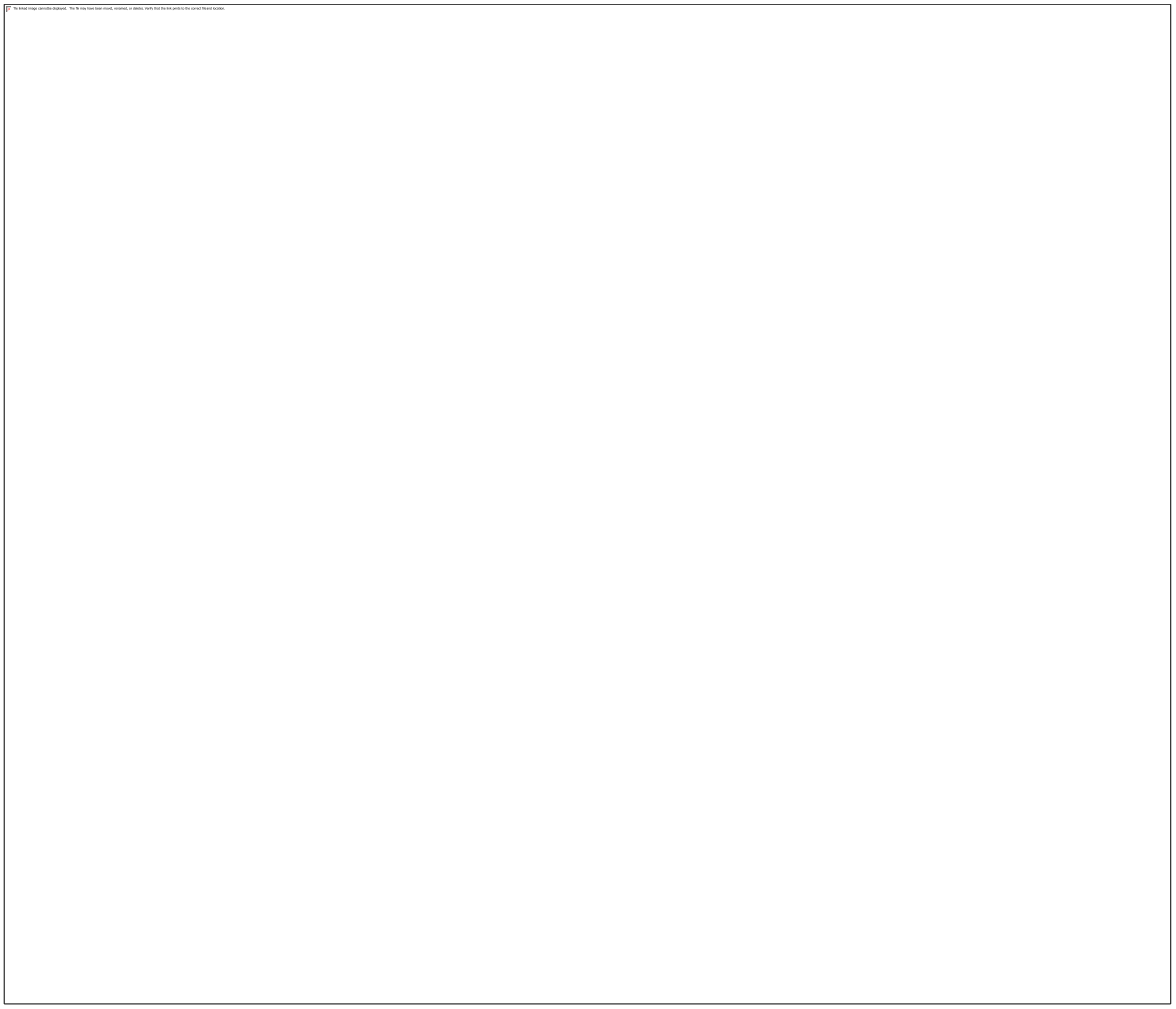
Sorting

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



A16 - PM Base 2032 + Com Dev + CP + Dev
D16 - PM 2032 + Com Dev + CP + Dev,

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: Auto Calculate option is switched off - OD flows will not be allocated automatically to the network.
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)	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Item with worst overall PRC	Network within capacity
16	24/01/2021 14:36:13	24/01/2021 14:36:27	14.67	16:30	60	201588.95	1128.21	142.14	51/1	27	17	TC5/4	51/1	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 2032 + Com Dev + CP + Dev			✓	D16		✓	

Demand Set Details

Scenario name	Time Period name	Description	Composite	Demand sets	Start time (HH:mm)	Locked	Run automatically
PM 2032 + Com Dev + CP + Dev					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		✓	769-1, 769-2, 770-1, 770-2, 770-3, 770-4, 771-1, 771-2, 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
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
52			1
53			2

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto length	Length (m)	Has Saturation Flow	Saturation flow source	Saturation flow (PCU/hr)	Auto-calculate cell saturation flow	Cell saturation flow (PCU/hr)	Is signal controlled	Is give way	Traffic type	Allow Nearside Turn On Red
A	**1**	(untitled)	M62E	✓	74.35	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.69	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.40	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.11	✓	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)		✓	62.77	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	62.62	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.46	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.38	✓	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	✓	122.73	✓	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	
	4	(untitled)	Leeds/M62/Wake	✓	55.42	✓	Directly entered	2250		2250	✓		Normal	
Dc	**1**	(untitled)	Brad	✓	50.91	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.96	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	47.02	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	45.07	✓	Directly entered	2100		2100	✓		Normal	
Dcf	**1**	(untitled)		✓	65.43	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	65.28	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	65.54	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	67.69	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	66.13	✓	Directly entered	2100		2100			Normal	
	6	(untitled)		✓	66.17	✓	Directly entered	2050		2050			Normal	
Df	**1**	(untitled)			200.00	✓	Sum of lanes	1900					Normal	
	2	(untitled)			200.00	✓	Directly entered	2250					Normal	
Dxp	**1**	(untitled)		✓	45.75	✓	Directly entered	2050			✓		Normal	
	2	(untitled)		✓	48.11	✓	Directly entered	2050			✓		Normal	
Ec	**1**	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal	
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)	M62E	✓	45.11	✓	Directly entered	2250		2250	✓		Normal	
Ecf	**1**	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal	
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	46.95	✓	Directly entered	2263		2263			Normal	
	4	(untitled)		✓	47.51	✓	Directly entered	2300		2300			Normal	

	5	(untitled)		✓	48.55	✓	Directly entered	2300		2300			Normal	
Ef	**1**	(untitled)		✓	127.54	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal	
Exp	**1**	(untitled)		✓	51.83	✓	Directly entered	2050		2100	✓		Normal	
	2	(untitled)		✓	53.71	✓	Directly entered	2050		2100	✓		Normal	
F	**1**	(untitled)	Leeds	✓	85.13	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.25	✓	Directly entered	2100		2100	✓		Normal	
Fc	**1**	(untitled)	Leeds	✓	178.68	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Leeds	✓	175.19	✓	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)		✓	121.44								Normal	
	2	(untitled)		✓	122.12								Normal	
xE	**1**	(untitled)		✓	173.89								Normal	
	2	(untitled)		✓	173.83								Normal	
xF	**1**	(untitled)		✓	158.35								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)		✓	47.81							✓	Normal	
Cc2	**2**	(untitled)	Dews	✓	91.52	✓	Directly entered	2150		2100	✓		Normal	

	3	(untitled)	Brad/M62W	✓	91.11	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	90.39	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	90.48	✓	Directly entered	2050		2050	✓		Normal	
	6	(untitled)	Leeds	✓	88.08	✓	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)		✓	92.21	✓	Sum of lanes	1966		1966	✓		Normal	
	3	(untitled)		✓	92.69	✓	Sum of lanes	1947		1947	✓		Normal	
TC35	**1**	(untitled)		✓	24.16	✓	Directly entered	1900		2263	✓		Normal	
TC36	**1**	(untitled)		✓	25.22	✓	Sum of lanes	1800					Normal	
TC37	**1**	(untitled)		✓	44.32	✓	Directly entered	1850		1850	✓		Normal	
TC38	**1**	(untitled)		✓	21.32	✓	Directly entered	1850		1850		✓	Normal	
TC39	**2**	(untitled)		✓	35.24	✓	Directly entered	2263		2263			Normal	
	3	(untitled)		✓	33.28	✓	Directly entered	2263		2263			Normal	
TC40	**2**	(untitled)		✓	58.74								Normal	
	3	(untitled)		✓	55.82								Normal	
TC41	**1**	(untitled)		✓	54.63	✓	Directly entered	1850		1850	✓		Normal	
TC42	**1**	(untitled)		✓	23.35	✓	Sum of lanes	1771			✓		Normal	
TC43	**1**	(untitled)		✓	51.77	✓	Sum of lanes	1800					Normal	
47	**1**	(untitled)		✓	133.63	✓	Directly entered	1300		1300			Normal	
48	**1**	(untitled)		✓	55.12	✓	Sum of lanes	1965					Normal	
49	**1**	(untitled)		✓	26.24	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	26.24	✓	Directly entered	1900					Normal	
50	**1**	(untitled)		✓	48.15	✓	Sum of lanes	1900					Normal	
51	**1**	(untitled)		✓	37.47	✓	Sum of lanes	1900					Normal	
52	**1**			✓	173.00	✓	Sum of lanes	1800	✓	1800	✓		Normal	
	2			✓	173.18	✓	Sum of lanes	1800	✓	1800	✓		Normal	
53	**1**			✓	43.95	✓	Sum of lanes	1800					Normal	

	2			✓	42.23	✓	Sum of lanes	1800					Normal	

Lanes

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

Cf	**1**	**2**	(untitled)											1965
	2	**1**	(untitled)											1965
D	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**3**	(untitled)											
Dc	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
Dcf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
	5	**5**	(untitled)											
	6	**1**	(untitled)											
Df	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											
Dxp	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
Ec	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
	3	**1**	(untitled)											
	4	**1**	(untitled)											
Ecf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
	5	**4**	(untitled)											
Ef	**1**	**1**	(untitled)											
	2	**2**	(untitled)											1900
Exp	**1**	**1**	(untitled)											

	2	**2**	(untitled)											
F	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Fc	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Ff	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											1900
G	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
Gf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xA	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xB	**1**	**1**	(untitled)											
xC	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											1900
xD	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xE	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xF	**1**	**1**	(untitled)											
Cc1	**1**	**1**	(untitled)											
E1	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
Gf1	**1**	**1**	(untitled)											
Cc2	**2**	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
	5	**5**	(untitled)											
	6	**5**	(untitled)											

E2	**3**	**3**	(untitled)											
	4	**4**	(untitled)											
TC5	**2**	**1**	(untitled)		✓	N/A	Clearly Good	0	3.50	✓	0	99999.00		2263
	3	**1**	(untitled)											
	4	**1**	(untitled)											1800
TC9	**1**	**1**	(untitled)											
	2	**1**	(untitled)		✓	N/A	Average	0	3.70	✓	0	99999.00		1966
	3	**1**	(untitled)		✓	N/A	Average	0	3.50	✓	0	99999.00		1947
TC35	**1**	**1**	(untitled)											
TC36	**1**	**1**	(untitled)											1800
TC37	**1**	**1**	(untitled)											
TC38	**1**	**1**	(untitled)											
TC39	**2**	**1**	(untitled)											
	3	**1**	(untitled)											
TC40	**2**	**1**	(untitled)											
	3	**1**	(untitled)											
TC41	**1**	**1**	(untitled)											
TC42	**1**	**1**	(untitled)		✓	N/A	Average	0	3.00	✓	0	9.44	✓	1771
TC43	**1**	**1**	(untitled)											1800
47	**1**	**1**	(untitled)											
48	**1**	**1**	(untitled)											1965
49	**1**	**2**	(untitled)											
	2	**1**	(untitled)											
50	**1**	**1**	(untitled)											1900
51	**1**	**1**	(untitled)											1900
52	**1**	**1**	(untitled)											1800
	2	**1**	(untitled)											1800
53	**1**	**1**	(untitled)											1800
	2	**1**	(untitled)											1800

Modelling

Arm	Traffic Stream	Traffic model	Stop weighting multiplier (%)	Delay weighting multiplier (%)	Assignment Cost Weighting (%)	Exclude from results calculation	Max queue storage	Has queue limit	Queue limit (PCU)	Excess queue	Has degree of saturation limit	Degree of saturation limit (%)	Excess degree of saturation	Low degree of saturation

							(PCU)			penalty (£)			penalty (£)	penalty (£)
A	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Ac	1	CTM	500	100	100		0.00	✓	16.50	9999.00				
	2	CTM	500	100	100		0.00	✓	16.50	9999.00				
	3	CTM	500	100	100		0.00	✓	16.50	9999.00				
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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Bc	1	CTM	500	100	100		0.00	✓	22.50	9999.00				
	2	CTM	500	100	100		0.00	✓	22.50	9999.00				
	3	CTM	500	100	100		0.00	✓	22.50	9999.00				
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	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
Cf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
D	1	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
	4	CTM	0	20	100		0.00							
Dc	1	CTM	500	100	100		0.00	✓	8.00	9999.00				
	2	CTM	500	100	100		0.00	✓	8.00	9999.00				
	3	CTM	500	100	100		0.00	✓	8.00	9999.00				
	4	CTM	500	100	100		0.00	✓	8.00	9999.00				
Dcf	1	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
	6	CTM	100	100	100		0.00							
Df	1	NetworkDefault	100	100	100		0.00							

	2	NetworkDefault	100	100	100		0.00							
Dxp	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Ec	**1**	CTM	500	100	100		0.00	✓	8.00	9999.00				
	2	CTM	500	100	100		0.00	✓	8.00	9999.00				
	3	CTM	500	100	100		0.00	✓	8.00	9999.00				
	4	CTM	500	100	100		0.00	✓	8.00	9999.00				
Ecf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
	5	CTM	100	100	100		0.00							
Ef	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Exp	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
F	**1**	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	CTM	0	20	100		0.00							
Fc	**1**	CTM	500	100	100		0.00	✓	32.00	9999.00				
	2	CTM	500	100	100		0.00	✓	32.00	9999.00				
	3	CTM	500	100	100		0.00	✓	32.00	9999.00				
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	500	100	100		0.00	✓	26.00	9999.00				
	2	CTM	500	100	100		0.00	✓	26.00	9999.00				
Gf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xA	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xB	**1**	NetworkDefault	100	100	100		0.00							
xC	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xD	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xE	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xF	**1**	NetworkDefault	100	100	100		0.00							
Cc1	**1**	CTM	100	100	100		0.00							
E1	**1**	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							

Gf1	**1**	NetworkDefault	100	100	100		0.00							
Cc2	**2**	CTM	500	100	100		0.00	✓	15.00	9999.00				
	3	CTM	500	100	100		0.00	✓	15.00	9999.00				
	4	CTM	500	100	100		0.00	✓	15.00	9999.00				
	5	CTM	500	100	100		0.00	✓	15.00	9999.00				
	6	CTM	500	100	100		0.00	✓	15.00	9999.00				
E2	**3**	CTM	0	20	100		0.00							
	4	CTM	0	20	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							
52	**1**	CTM	500	100	100		0.00	✓	30.00	9999.00				
	2	CTM	500	100	100		0.00	✓	30.00	9999.00				
53	**1**	NetworkDefault	100	100	100		0.00							
	2	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	✓	60

Normal traffic - Modelling

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

Normal traffic - Advanced

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

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)
A	1	962	962
	2	542	542
	3	764	764
	4	770	770
Ac	1	925	925
	2	486	486
	3	482	482
Acf	1	1411	1411
	2	482	482
Af	1	1504	1504
	2	764	764
	3	770	770
B	1	382	382
	2	377	377
	3	367	367
	4	359	359
Bc	1	1028	1028
	2	1114	1114
	3	902	902
Bcf	1	1887	1887
	2	1028	1028
	3	1114	1114
	4	902	902
Bf	1	759	759
	2	726	726
C	1	101	101
	2	602	602
	3	399	399
Cf	1	637	637
	2	465	465
D	1	423	423
	2	251	251
	3	370	370
	4	390	390
Dc	1	682	682
	2	721	721
	3	312	312
	4	499	499
Dcf	1	900	900
	2	1229	1229
	3	682	682
	4	721	721
	5	312	312
	6	499	499
Df	1	674	674

	2	760	760
Dxp	**1**	900	900
	2	1229	1229
Ec	**1**	426	426
	2	563	563
	3	530	530
	4	465	465
Ecf	**1**	787	787
	2	1039	1039
	3	563	563
	4	530	530
	5	729	729
Ef	**1**	882	882
	2	630	630
Exp	**1**	787	787
	2	613	613
F	**1**	235	235
	2	398	398
	3	381	381
Fc	**1**	742	742
	2	1001	1001
	3	923	923
Ff	**1**	633	633
	2	381	381
G	**1**	446	446
	2	447	447
Gf	**1**	329	329
	2	301	301
xA	**1**	954	954
	2	833	833
xB	**1**	1887	1887
xC	**1**	767	767
	2	734	734
xD	**1**	900	900
	2	1229	1229
xE	**1**	787	787
	2	613	613
xF	**1**	881	881
Cc1	**1**	607	607
E1	**1**	424	424
	2	458	458
Gf1	**1**	264	264
Cc2	**2**	803	803
	3	476	476
	4	1225	1225
	5	499	499
	6	239	239
E2	**3**	329	329
	4	301	301
TC5	**2**	776	776
	3	833	833
	4	0	0
TC9	**1**	1282	1282
	2	764	764
	3	639	639

TC35	**1**	178	178
TC36	**1**	431	431
TC37	**1**	78	78
TC38	**1**	78	78
TC39	**2**	776	776
	3	833	833
TC40	**2**	854	854
	3	833	833
TC41	**1**	353	353
TC42	**1**	0	0
TC43	**1**	0	0
47	**1**	1501	1501
48	**1**	1102	1102
49	**1**	1342	1342
	2	1343	1343
50	**1**	1485	1485
51	**1**	1014	1014
52	**1**	343	343
	2	337	337
53	**1**	343	343
	2	337	337

Signals

Arm	Traffic Stream	Controller stream	Phase	Second phase enabled
A	**1**	771-2	E	
	2	771-2	E	
	3	771-2	E	
	4	771-2	E	
Ac	**1**	771-2	D	
	2	771-2	D	
	3	771-2	D	
B	**1**	769-1	B	
	2	769-1	B	
	3	769-1	B	
	4	769-1	B	
Bc	**1**	769-1	A	
	2	769-1	A	
	3	769-1	A	
C	**1**	769-2	G	
	2	769-2	G	
	3	769-2	G	
D	**1**	770-1	B	
	2	770-1	B	
	3	770-1	B	
	4	770-1	B	
Dc	**1**	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
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	
	6	769-2	D	
E2	**3**	770-3	H	
	4	770-3	H	
TC5	**2**	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	**1**	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	**1**	TC777-1	A	
TC37	**1**	TC777-2	J	
TC41	**1**	TC777-1	D	
TC42	**1**	TC777-1	E	
52	**1**	770-3	A	
	2	770-3	A	

Entry Sources

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

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	5.58	48.00	✓	Straight	Straight Movement
	2	**1**	Af/1	A/2	5.75	48.00	✓	Straight	Straight Movement

	3	**1**	Af/2	A/3	5.88	48.00	✓	Straight	Straight Movement
	4	**1**	Af/3	A/4	6.01	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	4.71	48.00	✓	Nearside	68.09
	2	**1**	A/2	Bcf/2	6.63	34.00	✓	Nearside	71.40
	3	**1**	A/3	Bcf/3	6.61	34.00	✓	Nearside	74.72
	4	**1**	A/4	Bcf/4	6.60	34.00	✓	Nearside	78.03
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	14.73	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
	4	**1**	Df/2	D/4	4.16	48.00	✓	Straight	Straight Movement
Dc	**1**	**1**	Dcf/3	Dc/1	6.11	30.00	✓	Offside	56.19
	2	**1**	Dcf/4	Dc/2	5.88	30.00	✓	Offside	52.87
	3	**1**	Dcf/5	Dc/3	5.64	30.00	✓	Offside	49.56
	4	**1**	Dcf/6	Dc/4	5.41	30.00	✓	Offside	46.25
Dcf	**1**	**1**	Cc2/2	Dcf/1	4.91	48.00	✓	Straight	Straight Movement
	2	**1**	Cc2/4	Dcf/2	4.90	48.00	✓	Straight	Straight Movement
	3	**1**	C/2	Dcf/3	4.92	48.00	✓	Nearside	58.12
	4	**1**	C/2	Dcf/4	5.08	48.00	✓	Nearside	58.12

	5	**1**	C/3	Dcf/5	4.96	48.00	✓	Nearside	61.43
	6	**1**	C/3	Dcf/6	7.94	30.00	✓	Nearside	61.43
Dxp	**1**	**1**	Dcf/1	Dxp/1	3.43	48.00	✓	Nearside	60.22
	2	**1**	Dcf/2	Dxp/2	3.61	48.00	✓	Nearside	63.54
Ec	**1**	**1**	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42
	2	**1**	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	**1**	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	**1**	Ecf/5	Ec/4	5.41	30.00	✓	Offside	66.48
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	3.56	48.00	✓	Offside	66.17
	5	**1**	Dc/4	Ecf/5	3.64	48.00	✓	Offside	62.86
Exp	**1**	**1**	Ecf/1	Exp/1	3.89	48.00	✓	Nearside	52.96
	2	**1**	Ecf/2	Exp/2	4.03	48.00	✓	Nearside	56.27
F	**1**	**1**	Ff/1	F/1	6.38	48.00	✓	Straight	Straight Movement
	2	**1**	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement
	3	**1**	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	**1**	**1**	Ec/2	Fc/1	18.38	35.00	✓	Straight	Straight Movement
	2	**1**	Ec/3	Fc/2	18.02	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	9.11	48.00	✓	Nearside	44.59
	2	**1**	Dxp/2	xD/2	9.16	48.00	✓	Nearside	47.90
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	11.88	48.00	✓	Straight	Straight Movement
Cc1	**1**	**1**	B/1	Cc1/1	8.63	40.00	✓	Straight	Straight Movement
E1	**1**	**1**	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	**1**	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96

Gf1	**1**	**1**	Ecf/5	Gf1/1	5.74	30.00	✓	Offside	21.77
Cc2	**2**	**1**	B/1	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	3	**1**	B/3	Cc2/3	8.20	40.00	✓	Straight	Straight Movement
	4	**1**	B/2	Cc2/4	8.14	40.00	✓	Straight	Straight Movement
	5	**1**	Bc/3	Cc2/5	6.03	54.00	✓	Offside	96.53
	6	**1**	Bc/3	Cc2/6	5.87	54.00	✓	Offside	93.22
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	11.07	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
52	**1**	**1**	53/1	52/1	20.76	30.00	✓	Straight	Straight Movement
	2	**1**	53/2	52/2	20.78	30.00	✓	Straight	Straight Movement
53	**1**	**1**	Bc/3	53/1	5.27	30.00	✓	Offside	5.00
	2	**1**	Bc/3	53/2	5.07	30.00	✓	Offside	5.00
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	3.95	57.00	✓	Offside	89.74
	3	**2**	Ac/3	Bcf/3	3.95	57.00	✓	Offside	86.42
	4	**2**	Ac/3	Bcf/4	3.94	57.00	✓	Offside	86.42
C	**2**	**2**	Cf/1	C/2	14.73	30.00	✓	Offside	56.58

Dcf	**1**	**2**	C/1	Dcf/1	4.91	48.00	✓	Nearside	54.80
	2	**2**	C/1	Dcf/2	4.90	48.00	✓	Nearside	54.80
	3	**2**	Cc2/3	Dcf/3	7.87	30.00	✓	Straight	Straight Movement
	4	**2**	Cc2/3	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
	5	**2**	Cc2/5	Dcf/5	7.94	30.00	✓	Offside	99.16
	6	**2**	Cc2/6	Dcf/6	7.94	30.00	✓	Offside	95.85
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	5.63	30.00	✓	Nearside	46.68
	4	**2**	D/3	Ecf/4	5.70	30.00	✓	Nearside	49.99
	5	**2**	D/4	Ecf/5	5.83	30.00	✓	Nearside	53.30
Fc	**1**	**2**	E1/1	Fc/1	20.10	32.00	✓	Nearside	58.94
	2	**2**	E1/1	Fc/2	19.71	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	11.88	48.00	✓	Nearside	40.67
Cc1	**1**	**2**	Bc/1	Cc1/1	6.39	54.00	✓	Straight	Straight Movement
Cc2	**2**	**2**	Bc/1	Cc2/2	10.98	30.00	✓	Straight	Straight Movement
	3	**2**	Bc/2	Cc2/3	10.93	30.00	✓	Offside	99.84
	4	**2**	Bc/2	Cc2/4	6.03	54.00	✓	Straight	Straight Movement
	5	**2**	B/4	Cc2/5	8.14	40.00	✓	Straight	Straight Movement
	6	**2**	B/4	Cc2/6	7.93	40.00	✓	Straight	Straight Movement
TC9	**2**	**2**	49/1	TC9/2	11.07	30.00	✓	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
53	**1**	**2**	B/3	53/1	5.27	30.00	✓	Offside	40.30
	2	**2**	B/4	53/2	5.07	30.00	✓	Offside	36.99
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
Dcf	**4**	**3**	Cc2/5	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
Fc	**1**	**3**	52/1	Fc/1	21.44	30.00	✓	Offside	13.89
	2	**3**	52/2	Fc/2	21.02	30.00	✓	Offside	10.58

xA	**2**	**3**	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
xF	**1**	**3**	52/1	xF/1	19.00	30.00	✓	Offside	19.56
Cc2	**3**	**3**	B/2	Cc2/3	10.93	30.00	✓	Straight	Straight Movement
	5	**3**	B/3	Cc2/5	10.86	30.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

Traffic Stream	Description	Controlling type	Controlling traffic stream	Percentage opposing (%)	Slope coefficient	Upstream signals visible
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

Pedestrian Crossings - Signals

Crossing	Controller stream	Phase	Second phase enabled
1	770-2	E	
2	770-1	C	
3	770-4	M	
4	770-3	J	
5	770-3	I	
6	770-3	K	
7	771-1	C	
8	769-1	C	
9	769-2	J	
10	769-2	K	

11	769-2	H	
12	769-2	I	
13	TC777-1	I	
14	TC777-1	F	
15	TC777-1	G	
16	TC777-1	H	
17	TC777-2	K	

Pedestrian Crossings - Sides

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

Pedestrian Crossings - Modelling

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

Local OD Matrix - Local Matrix: 1

Local Matrix Options

OD Matrix	Name	Use for point to point table	Allocation mode	Allow paths past exit locations	Allow looped paths on arms	Allow looped paths on traffic nodes	Copy flows	Matrix to copy flows from	Limit paths by length	Path length limit multiplier	Limit paths by number	Path number limit	Limit paths by flow	Low path flow threshold
1	(untitled)	✓	User Equilibrium			✓								

Note: Auto Calculate disabled on this Local Matrix - Paths and Flow Allocation might not be up to date.

Normal Input Flows (PCU/hr)

		To							
		A28	**B28**	**C28**	**D28**	**E28**	**F28**	**G28**	**H28**
From	**A28**	3	58	436	13	470	55	450	0
	B28	19	0	101	182	520	13	267	0
	C28	400	46	0	318	105	20	545	0
	D28	6	393	363	0	17	55	180	0
	E28	497	630	94	114	1	9	167	0
	F28	126	29	67	106	25	0	78	0
	G28	836	345	1068	148	262	26	0	0
	H28	0	0	0	0	0	0	0	0

Bus Input Flows not shown as they are blank.

Tram Input Flows not shown as they are blank.

Pedestrian Input Flows not shown as they are blank.

Locations

OD Matrix	Location	Name	Entries	Exits	Colour
1	**A28**	(untitled)	50/1	xB/1	#FF0000
	B28	(untitled)	48/1	47/1	#00FF40
	C28	(untitled)	Df/2, Df/1	xD/1, xD/2	#804000

	D28	(untitled)	51/1	xF/1	#FF00FF
	E28	(untitled)	Ef/2, Ef/1	xE/1, xE/2	#FF8000
	F28	(untitled)	TC36/1	TC35/1	#FFA500
	G28	(untitled)	49/2, 49/1	TC40/2, TC40/3	#0000FF
	H28	(untitled)	TC42/1	TC43/1	#008000

Normal Paths and Flows

OD Matrix	Path	Description	From location	To location	Path items	Allocation type	Normal Calculated Flow (PCU/hr)
1	**32**	I1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	105
	36		C28	E28	Df/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	0
	41		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	392
	49	I1	C28	D28	Df/1, D/1, Ecf/2, Ec/1, xF/1	Normal	318
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	114
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	167
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	9
	100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Normal	301
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	324
	103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
	105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	0
	107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	56
	110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	78
	113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	126
	115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	4
	125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	704
	137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	0
	138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	0
	140		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	126
	141		B28	F28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	13
	142		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	144		B28	G28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	141
	145		B28	H28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	146		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	147		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0

	148		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	149		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	19
	150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	329
	151		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	152		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	153		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	29
	154		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	105
	155		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	156		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	75
	157		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	158		A28	G28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	19
	159		A28	H28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	160		B28	D28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	62
	161		B28	E28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	138
	162		B28	D28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	20
	163		B28	E28	48/1, Cf/2, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	164		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	165		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	97
	167		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	168		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal	836
	169		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	23
	170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	119
	171		G28	H28	49/1, TC9/1, TC43/1	Normal	0
	172		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	173		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	174		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	175		A28	D28	50/1, Bf/2, B/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	176		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	177		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	178		B28	E28	48/1, Cf/1, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	335
	179		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	47
	180		A28	H28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0

	181		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	67
	182		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	183		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	4
	184		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	56
	185		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	2
	186		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	112
	187		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	188		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	189		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	190		G28	D28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	191		D28	F28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	192		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	193		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	194		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	157
	196		D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	55
	197		D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	23
	198		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	6
	199		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	268
	200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	111
	201		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	202		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	203		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	204		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	205		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	166
	206		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	207		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	208		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	209		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	210		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	211		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	212		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	213		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/4, TC43/1	Normal	0

	214		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	215		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/2, 52/2, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	216		A28	G28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	337
	217		A28	H28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	218		A28	A28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	219		A28	C28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	220		A28	B28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	221		A28	B28	50/1, Bf/2, B/4, 53/2, 52/2, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	222		A28	D28	50/1, Bf/2, B/3, 53/1, 52/1, xF/1	Normal	7
	223		A28	G28	50/1, Bf/2, B/3, 53/1, 52/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	224		A28	F28	50/1, Bf/2, B/3, 53/1, 52/1, Fc/1, xA/1, TC35/1	Normal	2
	225		A28	G28	50/1, Bf/2, B/3, 53/1, 52/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	226		A28	H28	50/1, Bf/2, B/3, 53/1, 52/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	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
	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	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	Normal	350
	249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/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	0
	283		E28	B28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	284		E28	B28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	285		E28	B28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	286		E28	B28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	307		G28	C28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	60
	317		C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	314
	318		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	319		C28	B28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	320		C28	B28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	322		C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	231
	323		C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	20
	324		C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	325		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	330		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	344

	331		C28	B28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	332		C28	B28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	334		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	342		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	28
	343		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	18
	364		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	379		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	380		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	381		B28	B28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	382		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	383		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	128
	384		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	385		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	386		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	387		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	3
	388		A28	B28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	389		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	390		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	391		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	392		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	393		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	15
	394		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	395		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	396		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	397		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	398		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	399		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/1, xC/1, 47/1	Normal	0
	400		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/6, Dcf/6, Dc/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	401		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	26
	402		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	403		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	404		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	405		A28	F28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0

	406		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	407		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	408		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	409		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	410		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	411		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	412		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	413		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	414		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	415		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	417		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	45
	418		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	304
	423		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
	424		C28	C28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	425		E28	C28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	29
	428		E28	C28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	65
	431		D28	C28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	13
	439		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	440		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	441		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	442		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	443		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	444		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	445		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	446		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	447		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	448		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	449		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	450		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	451		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	21
	452		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	262
	453		A28	D28	50/1, Bf/2, B/4, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	454		A28	E28	50/1, Bf/2, B/4, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0

	455		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	456		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	1
	457		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	458		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	17
	459		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	460		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	25
	461		A28	E28	50/1, Bf/2, B/3, Cc2/5, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	462		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	94
	463		A28	F28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	53
	464		A28	G28	50/1, Bf/2, B/3, Cc2/5, Dcf/5, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	465		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	255
	466		A28	D28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	6
	467		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	127
	468		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	469		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC35/1	Normal	0
	470		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	471		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	472		A28	D28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	473		B28	D28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	100
	474		C28	D28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	475		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	476		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	477		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	478		D28	F28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC35/1	Normal	0
	479		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	480		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	481		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	0
	482		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	483		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC35/1	Normal	0
	484		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	485		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	486		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, xF/1	Normal	106
	487		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, 53/1, 52/1, Fc/1, xA/1, TC35/1	Normal	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)
16:30-17:30	(ALL)	0.00	0.00	0.00	0.00

Results - Link

Results - Traffic Stream

Results - Traffic Stream: Vehicle summary

Time Segment	Arm	Traffic Stream	Name	Phase	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Calculated capacity (PCU/hr)	Degree of saturation (%)	Practical reserve capacity (%)	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	JourneyTime (s)
16:30-17:30	A	1	(untitled)	E	854	2050	24	854	100	-10	81.44	25.68	198.58	87.02
		2	(untitled)	E	479	2050	24	854	56	60	20.22	6.65	49.88	25.97
		3	(untitled)	E	758	2050	24	854	89	1	29.82	14.05	103.04	35.70
		4	(untitled)	E	746	2050	24	854	87	3	30.18	13.38	96.01	36.19
	Ac	1	(untitled)	D	920	2263	26	1018	90	0	30.09	13.28	79.68	37.27
		2	(untitled)	D	370	2263	26	983	38	139	7.16	1.80	11.23	16.66
		3	(untitled)	D	369	2263	26	1015	36	148	1.53	2.42	15.84	8.12
	Acf	1	(untitled)		1290	2263	60	2263	57	58	1.05	0.38	3.11	6.27
		2	(untitled)		369	2263	60	2263	16	452	0.15	0.02	0.13	7.40
	Af	1	(untitled)		1333	2050	60	1541	87	4	12.83	11.27	121.04	19.25
		2	(untitled)		758	2050	60	1922	39	128	0.63	1.58	17.05	7.01
		3	(untitled)		746	2050	60	2050	36	147	0.50	0.10	1.13	6.86
	B	1	(untitled)	B	270	2050	9	342	79	14	49.64	5.88	35.74	56.74
		2	(untitled)	B	266	2150	9	266	100	-10	296.01	23.92	141.51	303.30
		3	(untitled)	B	259	2100	9	308	84	7	44.66	5.29	30.48	52.14
		4	(untitled)	B	253	2050	9	342	74	21	34.84	4.48	25.16	47.13
	Bc	1	(untitled)	A	849	2050	39	1367	62	45	9.30	14.04	60.77	21.26
		2	(untitled)	A	1014	2050	39	1367	74	21	17.17	14.99	65.56	29.00
		3	(untitled)	A	858	2050	39	1367	63	43	16.30	14.06	62.15	28.01
	Bcf	1	(untitled)		1774	2263	60	2263	78	15	2.86	1.41	12.92	7.18

	2	(untitled)		849	2263	60	2263	38	140	0.48	0.11	1.03	5.94
	3	(untitled)		1014	2263	60	2263	45	101	0.65	0.18	1.67	6.58
	4	(untitled)		858	2263	60	2263	38	137	0.49	0.12	1.07	6.74
Bf	**1**	(untitled)		536	1800	60	566	95	-5	214.03	44.90	113.33	241.37
	2	(untitled)		512	1800	60	1800	28	216	0.40	0.06	0.14	27.81
C	**1**	(untitled)	G	89	2100	14	525	17	432	18.90	1.50	7.11	33.44
	2	(untitled)	G	529	2200	14	550	96	-7	150.45	27.28	127.80	165.18
	3	(untitled)	G	351	2050	14	513	68	31	35.33	6.59	30.49	50.26
Cf	**1**	(untitled)		559	1965	60	559	100	-10	183.76	35.98	143.08	201.12
	2	(untitled)		410	1965	60	1143	36	151	7.43	4.95	19.52	24.93
D	**1**	(untitled)	B	423	2050	13	478	88	2	47.48	8.90	93.06	51.60
	2	(untitled)	B	251	1850	13	432	58	55	26.14	3.75	39.17	30.27
	3	(untitled)	B	370	2250	13	525	70	28	29.13	5.99	65.11	33.10
	4	(untitled)	B	390	2250	13	525	74	21	30.99	6.49	67.30	35.15
Dc	**1**	(untitled)	A	548	2100	37	1330	41	119	11.18	7.54	85.11	17.29
	2	(untitled)	A	635	2100	37	1330	48	89	6.74	5.13	60.27	12.61
	3	(untitled)	A	252	2100	37	1330	19	375	6.76	2.34	28.58	12.40
	4	(untitled)	A	458	2100	37	1330	34	161	7.89	3.25	41.52	13.30
Dcf	**1**	(untitled)		745	2050	60	2050	36	148	0.50	0.10	0.91	5.41
	2	(untitled)		1097	2100	60	2100	52	72	0.94	0.29	2.51	5.83
	3	(untitled)		548	2100	60	2100	26	245	0.30	0.05	0.40	6.36
	4	(untitled)		635	2100	60	2100	30	198	0.37	0.07	0.56	7.57
	5	(untitled)		252	2100	60	2100	12	650	0.12	0.01	0.07	6.61
	6	(untitled)		458	2050	60	2050	22	303	0.25	0.03	0.28	8.19
Df	**1**	(untitled)		674	1900	60	1900	35	154	0.52	0.10	0.28	24.52
	2	(untitled)		760	2250	60	2250	34	166	0.41	0.09	0.25	24.41
Dxp	**1**	(untitled)	D	724	2050	41	1435	50	78	2.81	1.67	20.97	6.24
	2	(untitled)	D	1090	2050	41	1435	76	18	4.12	6.42	76.71	7.73
Ec	**1**	(untitled)	F	415	2150	19	717	58	55	17.11	6.72	77.09	20.87
	2	(untitled)	F	503	2263	19	754	67	35	16.64	6.71	79.71	20.27
	3	(untitled)	F	507	2263	19	754	67	34	17.72	7.59	93.29	21.23
	4	(untitled)	F	451	2250	19	750	60	50	15.04	7.41	94.50	20.45

Ecf	**1**	(untitled)		653	2100	60	2099	31	189	0.39	4.71	58.93	3.84
	2	(untitled)		953	2100	60	2099	45	98	0.72	4.83	59.89	4.19
	3	(untitled)		503	2263	60	2129	24	281	0.76	2.07	25.33	5.33
	4	(untitled)		507	2300	60	1752	29	211	1.48	1.84	22.26	6.61
	5	(untitled)		711	2300	60	2213	32	180	0.46	1.93	22.86	5.30
Ef	**1**	(untitled)		882	1900	60	1900	46	94	0.82	0.20	0.91	16.13
	2	(untitled)		630	1900	60	1900	33	171	0.47	0.08	0.37	15.78
Exp	**1**	(untitled)	L	653	2050	42	1469	44	103	2.83	4.85	53.83	6.72
	2	(untitled)	L	537	2050	42	1469	37	146	2.04	2.42	25.95	6.07
F	**1**	(untitled)	B	165	2100	7	280	59	52	43.64	3.17	21.44	50.03
	2	(untitled)	B	280	2100	7	280	100	-10	256.54	21.81	146.28	262.96
	3	(untitled)	B	280	2100	7	280	100	-10	256.54	21.81	143.72	263.08
Fc	**1**	(untitled)	A	681	2263	43	1660	41	119	8.29	5.71	18.38	27.12
	2	(untitled)	A	962	2263	43	1601	60	50	7.74	6.93	22.73	26.99
	3	(untitled)	A	909	2263	43	1486	61	47	10.61	13.54	43.19	30.03
Ff	**1**	(untitled)		445	1900	60	445	100	-10	377.96	57.89	120.73	411.05
	2	(untitled)		269	1900	60	280	96	-6	211.70	18.14	37.88	244.75
G	**1**	(untitled)	F	416	2050	14	416	100	-10	259.26	35.08	129.84	275.24
	2	(untitled)	F	441	2050	14	425	104	-13	255.12	38.97	147.62	266.50
Gf	**1**	(untitled)		329	2050	60	310	106	-15	182.30	20.12	285.73	185.34
	2	(untitled)		301	2050	60	2034	15	508	0.22	2.33	33.51	3.22
xA	**1**	(untitled)		830	2263	60	2260	37	145	0.47	2.43	6.07	17.69
	2	(untitled)		788	2263	60	1585	50	81	6.20	5.35	13.37	23.45
xB	**1**	(untitled)		1774	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	**1**	(untitled)		650	1900	60	650	100	-10	118.05	29.63	147.38	126.72
	2	(untitled)		650	1900	60	650	100	-10	119.04	29.53	146.42	127.74
xD	**1**	(untitled)		724	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.11
	2	(untitled)		1090	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.16
xE	**1**	(untitled)		653	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		537	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	**1**	(untitled)		849	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	14.56
Cc1	**1**	(untitled)	E	459	2050	31	1093	42	114	3.58	2.70	16.17	10.17

E1	**1**	(untitled)	G	424	2050	12	444	95	-6	73.88	12.03	86.50	79.88
	2	(untitled)	G	458	2200	12	477	96	-6	74.71	13.54	97.35	80.71
Gf1	**1**	(untitled)		260	664	60	246	106	-15	189.86	15.97	192.02	195.60
Cc2	**2**	(untitled)	D	660	2150	32	1176	56	60	3.81	3.04	19.10	13.84
	3	(untitled)	D	336	2050	32	1128	30	202	0.68	0.06	0.40	10.40
	4	(untitled)	D	1094	2150	32	1171	93	-4	27.74	15.86	100.89	33.92
	5	(untitled)	D	447	2050	32	1128	40	127	2.76	2.40	15.23	9.92
	6	(untitled)	D	230	2050	32	1128	20	342	2.30	2.57	16.79	8.31
E2	**3**	(untitled)	H	329	2150	14	508	65	39	26.56	5.23	56.49	30.56
	4	(untitled)	H	301	2050	14	512	59	53	24.74	4.34	45.97	28.81
TC5	**2**	(untitled)	A	686	2263	34	1358	50	78	1.92	2.87	71.78	4.68
	3	(untitled)	A	788	2263	34	1358	58	55	5.89	3.30	82.40	8.66
	4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
TC9	**1**	(untitled)	B	1152	1925	35	1152	100	-10	71.16	32.43	203.32	82.17
	2	(untitled)	B	758	1966	35	1245	61	48	9.20	7.15	44.58	20.26
	3	(untitled)	B	639	1947	35	1233	52	74	7.57	5.31	32.96	18.70
TC35	**1**	(untitled)	A	144	1900	34	1140	13	612	0.87	0.42	10.09	3.77
TC36	**1**	(untitled)		431	1800	60	352	122	-27	360.34	47.25	1077.19	363.36
TC37	**1**	(untitled)	J	64	1850	44	1388	5	1860	0.23	0.06	0.77	3.42
TC38	**1**	(untitled)		64	434	60	434	15	514	4.87	2.43	65.49	6.40
TC39	**2**	(untitled)		686	2263	60	2263	30	197	0.35	0.07	1.07	2.88
	3	(untitled)		788	2263	60	2263	35	158	0.42	0.09	1.61	2.82
TC40	**2**	(untitled)		749	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
	3	(untitled)		788	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
TC41	**1**	(untitled)	D	288	1850	15	288	100	-10	177.19	15.26	160.66	181.12
TC42	**1**	(untitled)	E	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
TC43	**1**	(untitled)		0	1800	60	1800	0	Unrestricted	0.00	0.00	0.00	0.00
47	**1**	(untitled)		1300	1300	60	1300	100	-10	48.58	17.54	75.48	64.61
48	**1**	(untitled)		1102	1965	60	969	114	-21	240.71	85.74	894.33	247.33
49	**1**	(untitled)		1342	1900	60	1206	111	-19	202.11	91.56	2006.08	205.26
	2	(untitled)		1343	1900	60	1900	71	27	2.27	0.85	18.57	5.42
50	**1**	(untitled)		1485	1900	60	1048	142	-36	539.48	236.79	2827.98	545.25

	51	1	(untitled)		1015	1900	60	714	142	-37	546.32	163.14	2503.60	550.82
	52	1		A	321	1800	12	390	82	9	32.67	5.61	18.65	53.43
		2		A	321	1800	12	390	82	9	61.76	7.64	25.37	82.54
	53	1			321	1800	60	1800	18	405	0.22	0.02	0.25	5.49
		2			321	1800	60	1800	18	405	0.28	2.64	35.98	5.35

Data Entry - Stage Start and End

Resultant Stage

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
769-1	1	✓	1	A,C	36	11	35	1	7
	2	✓	2	B	22	31	9	1	7
769-2	1	✓	4	D,E,H,I	28	51	23	1	1
	2	✓	5	F,G,J,K	5	13	8	1	7
770-1	1	✓	1	A,C	43	18	35	1	5
	2	✓	2	B	25	38	13	1	7
770-2	1	✓	4	D	26	7	41	1	7
	2	✓	5	E	12	19	7	1	5
770-3	1	✓	4	A	29	41	12	1	7
	2	✓	7	F,I,J	46	1	15	1	3
	3	✓	9	G,H	12	24	12	1	4
770-4	1	✓	11	L	32	14	42	1	7
	2	✓	12	M	19	25	6	1	6
771-1	1	✓	1	A,C	25	2	37	1	9
	2	✓	3	B	13	20	7	1	7
771-2	1	✓	5	D	23	49	26	1	7
	2	✓	6	E	54	18	24	1	7
TC777-1	1	✓	1	A,B,F	26	0	34	1	7
	2	✓	5	D,H,I	7	20	13	1	6
TC777-2	1	✓	1	J	18	2	44	1	7
	2	✓	2	K	7	13	6	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	**A**	A	7	300	0	0	Traffic
	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**	✓	74.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	2	✓	76.69	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	3	✓	78.40	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	4	✓	80.11	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Ac	**1**	✓	95.80	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	92.34	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	87.95	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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	20	0
	2	✓	97.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	20	0
	3	✓	99.69	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	4	✓	102.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Bc	**1**	✓	132.85	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	2	✓	131.47	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	3	✓	130.10	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
Bcf	**1**	✓	62.77	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	62.62	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.46	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	62.38	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	20	0
	2	✓	122.73	CTM	0.00	Normal	✓	✓		Directly entered	2200	20	0
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
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	20	0
	2		55.00	CTM	0.00	Normal	✓	✓		Directly entered	1850	20	0
	3	✓	52.87	CTM	0.00	Normal	✓	✓		Directly entered	2250	20	0
	4	✓	55.42	CTM	0.00	Normal	✓	✓		Directly entered	2250	20	0
Dc	**1**	✓	50.91	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	2	✓	48.96	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	3	✓	47.02	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	4	✓	45.07	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
Dcf	**1**	✓	65.43	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	65.28	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	65.54	CTM	0.00	Normal	✓			Directly entered	2100	100	100

	4	✓	67.69	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	66.13	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	6	✓	66.17	CTM	0.00	Normal	✓			Directly entered	2050	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**	✓	45.75	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	48.11	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ec	**1**	✓	50.09	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	46.77	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	4	✓	45.11	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	500
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	✓	46.95	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	47.51	CTM	0.00	Normal	✓			Directly entered	2300	100	100
	5	✓	48.55	CTM	0.00	Normal	✓			Directly entered	2300	100	100
Ef	**1**	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	**1**	✓	51.83	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.71	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	**1**	✓	85.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
	3	✓	87.25	CTM	0.00	Normal	✓	✓		Directly entered	2100	20	0
Fc	**1**	✓	178.68	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	175.19	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	180.28	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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	500
	2	✓	151.80	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
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**	✓	121.44	NetworkDefault	0.00	Normal						100	100
	2	✓	122.12	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**	✓	158.35	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	20	0
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	20	0
Gf1	**1**	✓	47.81	NetworkDefault	0.00	Normal			✓			100	100
Cc2	**2**	✓	91.52	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	3	✓	91.11	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	4	✓	90.39	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	5	✓	90.48	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	6	✓	88.08	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
E2	**3**	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	20	0
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
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	✓	92.21	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
52	1	✓	173.00	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	500
	2	✓	173.18	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	500
53	1	✓	43.95	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
	2	✓	42.23	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100

Data entry - Link

Results - Pedestrian

Pedestrian Crossings: Pedestrian summary

Time Segment	Pedestrian crossing	Side	Calculated Flow Entering (Ped/hr)	Degree of saturation (%)	Actual green (s (per cycle))	Mean Delay Per Ped (s)	Mean max queue (Ped)
16:30-17:30	1	1	0	0	7	0.00	0.00
		2	0	0	7	0.00	0.00
	2	1	0	0	35	0.00	0.00
		2	0	0	35	0.00	0.00
	3	1	0	0	6	0.00	0.00
		2	0	0	6	0.00	0.00
	4	1	0	0	22	0.00	0.00
		2	0	0	22	0.00	0.00
	5	1	0	0	24	0.00	0.00
		2	0	0	24	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	37	0.00	0.00
		2	0	0	37	0.00	0.00
	8	1	0	0	35	0.00	0.00
		2	0	0	35	0.00	0.00
	9	1	0	0	11	0.00	0.00
		2	0	0	11	0.00	0.00

10	1	0	0	16	0.00	0.00
	2	0	0	16	0.00	0.00
11	1	0	0	29	0.00	0.00
	2	0	0	29	0.00	0.00
12	1	0	0	29	0.00	0.00
	2	0	0	29	0.00	0.00
13	1	0	0	15	0.00	0.00
	2	0	0	15	0.00	0.00
14	1	0	0	35	0.00	0.00
	2	0	0	35	0.00	0.00
15	1	0	0	0	0.00	0.00
	2	0	0	0	0.00	0.00
16	1	0	0	13	0.00	0.00
	2	0	0	13	0.00	0.00
17	1	0	0	6	0.00	0.00
	2	0	0	6	0.00	0.00

Collections

Point to Point Journey Time

Note: Auto Calculate disabled on this Local Matrix (Paths and Flow Allocation might not be up to date).

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	739.6	1050.4	942.5	905.4	934.1	728.4	767.2	0.0
	B28	449.7	0.0	514.2	568.0	648.4	418.4	432.0	0.0
	C28	164.9	780.0	0.0	113.5	98.8	132.6	147.0	0.0
	D28	1272.9	1469.8	1179.7	0.0	1179.8	1032.7	1041.4	0.0
	E28	188.6	613.9	220.1	107.9	266.6	138.4	146.5	0.0
	F28	670.7	834.4	657.6	687.3	681.2	0.0	377.4	0.0
	G28	406.2	684.6	237.5	187.1	152.4	207.1	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Normal journey dist (m)	Bus journeydist (m)	Tram journey dist (m)	Pedestrian journey dist (m)	Calculated Total Flow (PCU/hr)	Avg journey time (s)	Avg journey dist (m)
32	C28	E28	105	98.85	526.66	0.00	0.00	0.00	105	98.85	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	392	192.55	693.15	0.00	0.00	0.00	392	192.55	693.15
49	C28	D28	318	113.55	509.82	0.00	0.00	0.00	318	113.55	509.82
50	E28	D28	114	107.88	365.90	0.00	0.00	0.00	114	107.88	365.90
68	E28	G28	167	146.48	732.90	0.00	0.00	0.00	167	146.48	732.90
92	E28	F28	9	138.38	640.05	0.00	0.00	0.00	9	138.38	640.05
100	E28	B28	301	513.09	623.35	0.00	0.00	0.00	301	513.09	623.35
102	A28	C28	324	872.77	694.76	0.00	0.00	0.00	324	872.77	694.76
103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
107	A28	B28	56	1050.39	716.08	0.00	0.00	0.00	56	1050.39	716.08
110	E28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
112	F28	G28	78	377.41	149.60	0.00	0.00	0.00	78	377.41	149.60

113	F28	A28	126	670.66	347.66	0.00	0.00	0.00	126	670.66	347.66
115	B28	C28	4	516.59	556.36	0.00	0.00	0.00	4	516.59	556.36
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
130	G28	C28	704	157.48	769.88	0.00	0.00	0.00	704	157.48	769.88
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
140	B28	G28	126	426.61	1059.21	0.00	0.00	0.00	126	426.61	1059.21
141	B28	F28	13	418.37	966.36	0.00	0.00	0.00	13	418.37	966.36
142	B28	G28	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	B28	G28	141	436.93	1048.14	0.00	0.00	0.00	141	436.93	1048.14
145	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
146	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
147	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
148	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
149	B28	A28	19	449.73	1015.84	0.00	0.00	0.00	19	449.73	1015.84
150	E28	B28	329	706.36	625.89	0.00	0.00	0.00	329	706.36	625.89
151	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
152	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
153	F28	B28	29	834.36	750.62	0.00	0.00	0.00	29	834.36	750.62
154	E28	A28	105	173.64	688.05	0.00	0.00	0.00	105	173.64	688.05
155	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
156	G28	B28	75	765.24	1144.80	0.00	0.00	0.00	75	765.24	1144.80
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	A28	G28	19	728.95	1189.89	0.00	0.00	0.00	19	728.95	1189.89
159	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
160	B28	D28	62	674.44	693.92	0.00	0.00	0.00	62	674.44	693.92
161	B28	E28	138	664.41	713.02	0.00	0.00	0.00	138	664.41	713.02
162	B28	D28	20	486.47	695.18	0.00	0.00	0.00	20	486.47	695.18
163	B28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
164	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
165	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
166	B28	C28	97	514.14	553.47	0.00	0.00	0.00	97	514.14	553.47
167	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
168	G28	A28	836	406.23	385.76	0.00	0.00	0.00	836	406.23	385.76
169	G28	B28	23	562.70	788.72	0.00	0.00	0.00	23	562.70	788.72
170	G28	B28	119	566.06	789.10	0.00	0.00	0.00	119	566.06	789.10
171	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
172	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
173	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
174	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
175	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
176	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
177	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
178	B28	E28	335	665.37	710.57	0.00	0.00	0.00	335	665.37	710.57
179	B28	E28	47	478.44	711.82	0.00	0.00	0.00	47	478.44	711.82
180	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
181	F28	C28	67	657.57	729.68	0.00	0.00	0.00	67	657.57	729.68
182	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
183	A28	E28	4	1142.27	854.82	0.00	0.00	0.00	4	1142.27	854.82
184	C28	A28	56	163.65	827.67	0.00	0.00	0.00	56	163.65	827.67
185	A28	B28	2	1049.57	715.70	0.00	0.00	0.00	2	1049.57	715.70
186	A28	C28	112	1145.37	699.04	0.00	0.00	0.00	112	1145.37	699.04
187	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
188	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
189	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

190	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
191	D28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
192	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
193	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
194	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
195	D28	G28	157	1040.80	744.99	0.00	0.00	0.00	157	1040.80	744.99
196	D28	F28	55	1032.71	652.14	0.00	0.00	0.00	55	1032.71	652.14
197	D28	G28	23	1045.64	740.41	0.00	0.00	0.00	23	1045.64	740.41
198	D28	A28	6	1272.89	704.24	0.00	0.00	0.00	6	1272.89	704.24
199	D28	B28	268	1455.81	1101.39	0.00	0.00	0.00	268	1455.81	1101.39
200	D28	B28	111	1458.59	1101.77	0.00	0.00	0.00	111	1458.59	1101.77
201	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
202	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
203	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
204	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
205	A28	E28	166	675.49	857.96	0.00	0.00	0.00	166	675.49	857.96
206	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
207	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
208	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
209	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
210	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
211	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
212	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
213	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
214	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
215	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
216	A28	G28	337	778.50	1111.71	0.00	0.00	0.00	337	778.50	1111.71
217	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
218	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
219	A28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
220	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
221	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
222	A28	D28	7	727.40	751.58	0.00	0.00	0.00	7	727.40	751.58
223	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
224	A28	F28	2	771.40	1025.73	0.00	0.00	0.00	2	771.40	1025.73
225	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
226	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
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
246	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
248	D28	C28	350	1174.71	1078.32	0.00	0.00	0.00	350	1174.71	1078.32
249	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
252	F28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
283	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
284	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
285	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
286	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
307	G28	C28	60	360.61	769.88	0.00	0.00	0.00	60	360.61	769.88
317	C28	G28	314	150.98	864.44	0.00	0.00	0.00	314	150.98	864.44
318	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
319	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
320	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
322	C28	G28	231	141.63	875.73	0.00	0.00	0.00	231	141.63	875.73
323	C28	F28	20	132.64	782.88	0.00	0.00	0.00	20	132.64	782.88
324	C28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
325	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

330	C28	A28	344	165.11	834.69	0.00	0.00	0.00	344	165.11	834.69
331	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
332	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
334	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
342	C28	B28	28	789.30	756.38	0.00	0.00	0.00	28	789.30	756.38
343	C28	B28	18	765.90	753.20	0.00	0.00	0.00	18	765.90	753.20
364	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
379	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
380	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
381	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
382	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
383	G28	B28	128	769.70	1141.62	0.00	0.00	0.00	128	769.70	1141.62
384	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
385	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
386	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
387	A28	A28	3	739.56	1157.59	0.00	0.00	0.00	3	739.56	1157.59
388	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
389	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
390	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
391	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
392	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
393	D28	B28	15	1806.63	1451.24	0.00	0.00	0.00	15	1806.63	1451.24
394	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
395	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
396	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
397	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
398	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
399	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
400	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
401	G28	F28	26	207.11	1176.03	0.00	0.00	0.00	26	207.11	1176.03
402	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
403	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
404	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
405	A28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
406	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
407	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
408	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
409	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
410	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
411	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
412	F28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
413	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
414	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
415	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
417	A28	E28	45	676.77	855.50	0.00	0.00	0.00	45	676.77	855.50
418	G28	C28	304	398.26	767.78	0.00	0.00	0.00	304	398.26	767.78
423	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
424	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
425	E28	C28	29	214.88	1064.27	0.00	0.00	0.00	29	214.88	1064.27
428	E28	C28	65	222.46	1069.36	0.00	0.00	0.00	65	222.46	1069.36
431	D28	C28	13	1310.18	1080.45	0.00	0.00	0.00	13	1310.18	1080.45
439	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
440	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
441	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
442	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
443	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

444	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
445	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
446	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
447	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
448	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
449	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
450	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
451	G28	D28	21	170.91	906.47	0.00	0.00	0.00	21	170.91	906.47
452	G28	E28	262	152.44	925.57	0.00	0.00	0.00	262	152.44	925.57
453	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
454	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
455	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
456	E28	E28	1	266.61	1219.72	0.00	0.00	0.00	1	266.61	1219.72
457	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
458	D28	E28	17	1179.76	1232.00	0.00	0.00	0.00	17	1179.76	1232.00
459	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
460	F28	E28	25	681.20	886.49	0.00	0.00	0.00	25	681.20	886.49
461	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
462	A28	G28	94	734.55	1200.64	0.00	0.00	0.00	94	734.55	1200.64
463	A28	F28	53	726.45	1107.79	0.00	0.00	0.00	53	726.45	1107.79
464	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
465	A28	E28	255	1143.83	852.36	0.00	0.00	0.00	255	1143.83	852.36
466	A28	D28	6	1144.25	835.72	0.00	0.00	0.00	6	1144.25	835.72
467	G28	D28	127	189.69	819.82	0.00	0.00	0.00	127	189.69	819.82
468	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
469	G28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
470	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
471	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
472	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
473	B28	D28	100	517.49	1436.67	0.00	0.00	0.00	100	517.49	1436.67
474	C28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
475	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
476	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
477	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
478	D28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
479	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
480	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
481	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
482	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
483	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
484	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
485	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
486	F28	D28	106	687.31	780.75	0.00	0.00	0.00	106	687.31	780.75
487	F28	F28	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**	**Calculated sat flow (PCU/hr)**	**Actual green (s (pe**	**Wasted time tota**	**Degree of saturation (%)**	**Practical reserve capac**	**JourneyTime (s)**	**Mean Delay per Ve**	**Mean stops per Ve**	**Mean max queue**	**Delay weighting multi**	**Stop weighting multiplier (%)**	**Cost of traffic penalties (£**	**P.I.**

						(PCU /hr)		r cyc le))	l (s (per cyc le))		ity (%)		h (s)	h (%)	(PC U)	plier (%)		per hr)	
A	1	(unti tled)	6	771-2	E	854 <	2050	24	0.00	100	-10	87.02	81.44	160.23	25.68 +	20	0	0.00	54.88
	2	(unti tled)	6	771-2	E	479	2050	24	1.00	56	60	25.97	20.22	84.11	6.65	20	0	0.00	7.64
	3	(unti tled)	6	771-2	E	758 <	2050	24	2.00	89	1	35.70	29.82	109.95	14.05 +	20	0	0.00	17.83
	4	(unti tled)	6	771-2	E	746	2050	24	1.00	87	3	36.19	30.18	106.17	13.38	20	0	0.00	17.76
Ac	1	(unti tled)	6	771-2	D	920	2263	26	0.00	90	0	37.27	30.09	80.53	13.28	100	500	0.00	228.10
	2	(unti tled)	6	771-2	D	370	2263	26	13.94	38	139	16.66	7.16	26.08	1.80	100	500	0.00	18.67
	3	(unti tled)	6	771-2	D	369	2263	26	13.09	36	148	8.12	1.53	11.05	2.42	100	500	0.00	8.76
Acf	1	(unti tled)	6			1290	2263	60	23.00	57	58	6.27	1.05	0.00	0.38	100	100	0.00	5.35
	2	(unti tled)	6			369	2263	60	45.00	16	452	7.40	0.15	0.00	0.02	100	100	0.00	0.23
Af	1	(unti tled)	6			1333 <	2050	60	18.90	87	4	19.25	12.83	49.21	11.27 +	100	100	0.00	75.70
	2	(unti tled)	6			758	2050	60	25.74	39	128	7.01	0.63	1.65	1.58	100	100	0.00	2.04
	3	(unti tled)	6			746	2050	60	6.00	36	147	6.86	0.50	0.00	0.10	100	100	0.00	1.48
B	1	(unti tled)	1	769-1	B	270	2050	9	2.00	79	14	56.74	49.64	128.66	5.88	20	0	0.00	10.56
	2	(unti tled)	1	769-1	B	266 <	2150	9	2.57	100	-10	303.30	296.01	336.19	23.92 +	20	0	0.00	62.14
	3	(unti tled)	1	769-1	B	259	2100	9	1.21	84	7	52.14	44.66	117.12	5.29	20	0	0.00	9.13
	4	(unti tled)	1	769-1	B	253	2050	9	0.00	74	21	47.13	34.84	104.63	4.48	20	0	0.00	6.96
Bc	1	(unti tled)	1	769-1	A	849	2050	39	13.00	62	45	21.26	9.30	60.05	14.04	100	500	0.00	87.97
	2	(unti tled)	1	769-1	A	1014	2050	39	10.00	74	21	29.00	17.17	86.88	14.99	100	500	0.00	166.94
	3	(unti tled)	1	769-1	A	858	2050	39	11.00	63	43	28.01	16.30	81.54	14.06	100	500	0.00	133.22
Bcf	1	(unti tled)	1			1774	2263	60	8.00	78	15	7.18	2.86	0.00	1.41	100	100	0.00	20.03
	2	(unti tled)	1			849	2263	60	22.00	38	140	5.94	0.48	0.00	0.11	100	100	0.00	1.60
	3	(unti tled)	1			1014	2263	60	29.00	45	101	6.58	0.65	0.00	0.18	100	100	0.00	2.58
	4	(unti tled)	1			858	2263	60	22.00	38	137	6.74	0.49	0.00	0.12	100	100	0.00	1.64
Bf	1	(unti tled)	1			536 <	1800	60	41.14	95	-5	241.37	214.03	427.39	44.90 +	100	100	0.00	480.97
	2	(unti tled)	1			512	1800	60	5.00	28	216	27.81	0.40	0.00	0.06	100	100	0.00	0.80
C	1	(unti tled)	2	769-2	G	89	2100	14	12.00	17	432	33.44	18.90	101.15	1.50	20	0	0.00	1.32

	2	(untitled)	2	769-2	G	529 <	2200	14	0.00	96	-7	165.18	150.45	294.87	27.28 +	20	0	0.00	62.84
	3	(untitled)	2	769-2	G	351	2050	14	4.00	68	31	50.26	35.33	112.58	6.59	20	0	0.00	9.78
Cf	**1**	(untitled)	2			559 <	1965	60	42.92	100	-10	201.12	183.76	352.60	35.98 +	100	100	0.00	430.15
	2	(untitled)	2			410	1965	60	43.11	36	151	24.93	7.43	69.47	4.95	100	100	0.00	15.57
D	**1**	(untitled)	3	770-1	B	423	2050	13	0.00	88	2	51.60	47.48	122.07	8.90	20	0	0.00	15.84
	2	(untitled)	3	770-1	B	251	1850	13	0.00	58	55	30.27	26.14	89.32	3.75	20	0	0.00	5.18
	3	(untitled)	3	770-1	B	370	2250	13	0.00	70	28	33.10	29.13	96.29	5.99	20	0	0.00	8.50
	4	(untitled)	3	770-1	B	390	2250	13	0.00	74	21	35.15	30.99	99.05	6.49	20	0	0.00	9.53
Dc	**1**	(untitled)	3	770-1	A	548	2100	37	20.00	41	119	17.29	11.18	79.19	7.54	100	500	0.00	51.33
	2	(untitled)	3	770-1	A	635	2100	37	6.00	48	89	12.61	6.74	48.65	5.13	100	500	0.00	36.22
	3	(untitled)	3	770-1	A	252	2100	37	11.00	19	375	12.40	6.76	55.54	2.34	100	500	0.00	15.50
	4	(untitled)	3	770-1	A	458	2100	37	11.00	34	161	13.30	7.89	44.20	3.25	100	500	0.00	26.95
Dcf	**1**	(untitled)	3			745	2050	60	30.00	36	148	5.41	0.50	0.00	0.10	100	100	0.00	1.47
	2	(untitled)	3			1097	2100	60	26.00	52	72	5.83	0.94	0.00	0.29	100	100	0.00	4.05
	3	(untitled)	3			548	2100	60	35.00	26	245	6.36	0.30	0.00	0.05	100	100	0.00	0.65
	4	(untitled)	3			635	2100	60	16.00	30	198	7.57	0.37	0.00	0.07	100	100	0.00	0.93
	5	(untitled)	3			252	2100	60	22.00	12	650	6.61	0.12	0.00	0.01	100	100	0.00	0.12
	6	(untitled)	3			458	2050	60	24.00	22	303	8.19	0.25	0.00	0.03	100	100	0.00	0.46
Df	**1**	(untitled)	3-2			674	1900	60	0.00	35	154	24.52	0.52	0.00	0.10	100	100	0.00	1.38
	2	(untitled)	3-2			760	2250	60	0.00	34	166	24.41	0.41	0.00	0.09	100	100	0.00	1.22
Dxp	**1**	(untitled)	3-2	770-2	D	724	2050	41	8.00	50	78	6.24	2.81	13.77	1.67	100	100	0.00	11.21
	2	(untitled)	3-2	770-2	D	1090	2050	41	6.00	76	18	7.73	4.12	14.96	6.42	100	100	0.00	22.96
Ec	**1**	(untitled)	4	770-3	F	415	2150	19	1.00	58	55	20.87	17.11	97.47	6.72	100	500	0.00	93.01
	2	(untitled)	4	770-3	F	503	2263	19	0.00	67	35	20.27	16.64	80.43	6.71	100	500	0.00	97.94
	3	(untitled)	4	770-3	F	507	2263	19	6.00	67	34	21.23	17.72	89.37	7.59	100	500	0.00	108.25
	4	(untitled)	4	770-3	F	451	2250	19	7.00	60	50	20.45	15.04	98.61	7.41	100	500	0.00	54.60
Ecf	**1**	(untitled)	4			653	2100	60	28.04	31	189	3.84	0.39	0.86	4.71	100	100	0.00	1.19
	2	(untitled)	4			953	2100	60	14.02	45	98	4.19	0.72	1.32	4.83	100	100	0.00	3.10
	3	(untitled)	4			503	2263	60	19.56	24	281	5.33	0.76	13.51	2.07	100	100	0.00	3.02
	4	(untitled)	4			507	2300	60	43.29	29	211	6.61	1.48	20.76	1.84	100	100	0.00	4.85
	5	(untitled)	4			711	2300	60	60.00	32	180	5.30	0.46	5.83	1.93	100	100	0.00	2.19

Ef	**1**	(untitled)	4			882	1900	60	0.00	46	94	16.13	0.82	0.00	0.20	100	100	0.00	2.85
	2	(untitled)	4			630	1900	60	0.00	33	171	15.78	0.47	0.00	0.08	100	100	0.00	1.17
Exp	**1**	(untitled)	4-2	770-4	L	653	2050	42	17.00	44	103	6.72	2.83	25.24	4.85	100	100	0.00	12.57
	2	(untitled)	4-2	770-4	L	537	2050	42	16.00	37	146	6.07	2.04	13.48	2.42	100	100	0.00	6.65
F	**1**	(untitled)	5	771-1	B	165	2100	7	3.00	59	52	50.03	43.64	114.61	3.17	20	0	0.00	5.69
	2	(untitled)	5	771-1	B	280 <	2100	7	0.00	100	-10	262.96	256.54	326.91	21.81 +	20	0	0.00	56.67
	3	(untitled)	5	771-1	B	280 <	2100	7	0.00	100	-10	263.08	256.54	326.91	21.81 +	20	0	0.00	56.67
Fc	**1**	(untitled)	5	771-1	A	681	2263	43	20.00	41	119	27.12	8.29	52.37	5.71	100	500	0.00	51.35
	2	(untitled)	5	771-1	A	962	2263	43	11.55	60	50	26.99	7.74	42.72	6.93	100	500	0.00	60.54
	3	(untitled)	5	771-1	A	909	2263	43	19.59	61	47	30.03	10.61	80.38	13.54	100	500	0.00	95.22
Ff	**1**	(untitled)	5			445 <	1900	60	45.94	100	-10	411.05	377.96	572.58	57.89 +	100	100	0.00	695.88
	2	(untitled)	5			269	1900	60	51.16	96	-6	244.75	211.70	255.25	18.14	100	100	0.00	233.37
G	**1**	(untitled)	2	769-2	F	416 <	2050	14	2.83	100	-10	275.24	259.26	395.67	35.08 +	100	500	87362.54	87927.18
	2	(untitled)	2	769-2	F	441 <	2050	14	2.55	104	-13	266.50	255.12	387.45	38.97 +	100	500	98096.59	98803.76
Gf	**1**	(untitled)	4			329 <	2050	60	50.92	106	-15	185.34	182.30	262.11	20.12 +	100	100	0.00	262.68
	2	(untitled)	4			301	2050	60	45.47	15	508	3.22	0.22	3.15	2.33	100	100	0.00	0.56
xA	**1**	(untitled)	10			830	2263	60	30.08	37	145	17.69	0.47	1.11	2.43	100	100	0.00	1.82
	2	(untitled)	10			788	2263	60	34.98	50	81	23.45	6.20	42.98	5.35	100	100	0.00	30.16
xB	**1**	(untitled)				1774	Unrestricted	60	0.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	**1**	(untitled)				650 <	1900	60	39.47	100	-10	126.72	118.05	143.57	29.63 +	100	100	0.00	332.63
	2	(untitled)				650 <	1900	60	39.47	100	-10	127.74	119.04	132.13	29.53 +	100	100	0.00	332.67
xD	**1**	(untitled)				724	Unrestricted	60	12.00	0	Unrestricted	9.11	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				1090	Unrestricted	60	12.00	0	Unrestricted	9.16	0.00	0.00	0.00	100	100	0.00	0.00
xE	**1**	(untitled)				653	Unrestricted	60	16.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				537	Unrestricted	60	13.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	**1**	(untitled)				849	Unrestricted	60	2.00	0	Unrestricted	14.56	0.00	0.00	0.00	100	100	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	459	2050	31	7.00	42	114	10.17	3.58	19.18	2.70	100	100	0.00	9.92
E1	**1**	(untitled)	4	770-3	G	424	2050	12	0.00	95	-6	79.88	73.88	154.72	12.03	20	0	0.00	24.71

	2	(untitled)	4	770-3	G	458	2200	12	0.00	96	-6	80.71	74.71	156.08	13.54	20	0	0.00	26.99
Gf1	**1**	(untitled)	4			260 <	664	60	36.76	106	-15	195.60	189.86	259.89	15.97 +	100	100	0.00	202.65
Cc2	**2**	(untitled)	2	769-2	D	660	2150	32	6.19	56	60	13.84	3.81	27.52	3.04	100	500	0.00	24.37
	3	(untitled)	2	769-2	D	336	2050	32	23.00	30	202	10.40	0.68	0.00	0.06	100	500	0.00	0.90
	4	(untitled)	2	769-2	D	1094 <	2150	32	1.33	93	-4	33.92	27.74	76.25	15.86 +	100	500	143.43	426.94
	5	(untitled)	2	769-2	D	447	2050	32	4.00	40	127	9.92	2.76	17.09	2.40	100	500	0.00	17.88
	6	(untitled)	2	769-2	D	230	2050	32	8.00	20	342	8.31	2.30	15.80	2.57	100	500	0.00	9.22
E2	**3**	(untitled)	4	770-3	H	329	2150	14	0.82	65	39	30.56	26.56	89.26	5.23	20	0	0.00	6.89
	4	(untitled)	4	770-3	H	301	2050	14	0.00	59	53	28.81	24.74	86.42	4.34	20	0	0.00	5.87
TC5	**2**	(untitled)	TC771-6	TC777-1	A	686	2263	34	8.00	50	78	4.68	1.92	24.06	2.87	100	100	0.00	7.25
	3	(untitled)	TC771-6	TC777-1	A	788	2263	34	12.00	58	55	8.66	5.89	25.09	3.30	100	100	0.00	20.81
	4	(untitled)	TC771-6	TC777-1	C	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC9	**1**	(untitled)	TC771-6	TC777-1	B	1152 <	1925	35	2.09	100	-10	82.17	71.16	152.82	32.43 +	100	100	0.00	345.46
	2	(untitled)	TC771-6	TC777-1	B	758	1966	35	0.00	61	48	20.26	9.20	56.40	7.15	100	100	0.00	32.86
	3	(untitled)	TC771-6	TC777-1	B	639	1947	35	0.00	52	74	18.70	7.57	49.70	5.31	100	100	0.00	23.07
TC35	**1**	(untitled)	TC771-6	TC777-1	A	144	1900	34	18.00	13	612	3.77	0.87	17.65	0.42	100	100	0.00	0.81
TC36	**1**	(untitled)	TC771-6			431 <	1800	60	48.27	122	-27	363.36	360.34	328.39	47.25 +	100	100	0.00	627.08
TC37	**1**	(untitled)	TC771-6	TC777-2	J	64	1850	44	24.00	5	1860	3.42	0.23	5.62	0.06	100	100	0.00	0.18
TC38	**1**	(untitled)	TC771-6			64	434	60	27.00	15	514	6.40	4.87	48.96	2.43	100	100	0.00	2.31
TC39	**2**	(untitled)	TC771-6			686	2263	60	32.00	30	197	2.88	0.35	0.00	0.07	100	100	0.00	0.93
	3	(untitled)	TC771-6			788	2263	60	36.00	35	158	2.82	0.42	0.00	0.09	100	100	0.00	1.32
TC40	**2**	(untitled)	TC771-6			749	Unrestricted	60	12.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC771-6			788	Unrestricted	60	27.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
TC41	**1**	(untitled)	TC771-6	TC777-1	D	288 <	1850	15	6.65	100	-10	181.12	171.19	224.53	15.26 +	100	100	0.00	224.02
TC42	**1**	(untitled)	TC771-6	TC777-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00

TC43	**1**	(untitled)				0	1800	60	60.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	100	0.00	0.00
47	**1**	(untitled)	2			1300	1300	60	0.00	100	-10	64.61	48.58	0.00	17.54	100	100	0.00	249.09
48	**1**	(untitled)	2			1102 <	1965	60	30.41	114	-21	247.33	240.71	291.11	85.74 +	100	100	0.00	1081.70
49	**1**	(untitled)	TC771-6			1342 <	1900	60	21.92	111	-19	205.26	202.11	275.40	91.56 +	100	100	0.00	1111.51
	2	(untitled)	TC771-6			1343	1900	60	0.00	71	27	5.42	2.27	0.00	0.85	100	100	0.00	12.03
50	**1**	(untitled)	1			1485 <	1900	60	26.90	142	-36	545.25	539.48	375.92	236.79 +	100	100	0.00	3209.39
51	**1**	(untitled)	4-2			1015 <	1900	60	37.45	142	-37	550.82	546.32	377.27	163.14 +	100	100	0.00	2221.05
52	**1**		1	770-3	A	321	1800	12	0.00	82	9	53.43	32.67	102.27	5.61	100	500	0.00	61.92
	2		1	770-3	A	321	1800	12	2.00	82	9	82.54	61.76	131.93	7.64	100	500	0.00	104.66
53	**1**		2			321	1800	60	19.00	18	405	5.49	0.22	0.00	0.02	100	100	0.00	0.27
	2		2			321	1800	60	44.00	18	405	5.35	0.28	3.68	2.64	100	100	0.00	0.50

Pedestrian Crossing Results

				SIGNALS		FLOWS		PERFORMANCE			PER PED		QUEUES	WEIGHTS	PENALTIES	P.I.
Pedestrian	**Side**	**Name**	**Traffic node**	**Controller stream**	**Phase**	**Calculated Flow Entering (Ped/hr)**	**Calculated sat flow (Ped/hr)**	**Actual green (s (per cycle))**	**Degree of saturation (%)**	**Practical reserve capacity**	**Journey Time (s)**	**Mean Delay per Ped (s)**	**Mean max queue (Ped)**	**Delay weighting (%)**	**Cost of traffic penalties (£ per hr)**	**P.I.**
1	**1**	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
2	**1**	(untitled)	3	770-1	C	0	11000	35	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3	770-1	C	0	11000	35	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
3	**1**	(untitled)	4-2	770-4	M	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4-2	770-4	M	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
4	**1**	(untitled)	4	770-3	J	0	11000	22	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	J	0	11000	22	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	**1**	(untitled)	4	770-3	I	0	11000	24	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	I	0	11000	24	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	37	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	37	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
8	**1**	(untitled)	1	769-1	C	0	11000	35	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	1	769-1	C	0	11000	35	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
9	**1**	(untitled)	2	769-2	J	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	J	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
10	**1**	(untitled)	2	769-2	K	0	11000	16	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	K	0	11000	16	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	**1**	(untitled)		769-2	H	0	11000	29	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	29	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	**1**	(untitled)	2	769-2	I	0	11000	29	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	29	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
13	**1**	(untitled)		TC777-1	I	0	11000	15	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	I	0	11000	15	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
14	**1**	(untitled)		TC777-1	F	0	11000	35	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	F	0	11000	35	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	13	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	H	0	11000	13	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
17	**1**	(untitled)		TC777-2	K	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-2	K	0	11000	6	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	6669.81	1306.14	5.11	1128.21	14087.05	1899.34	185602.56	201588.95
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	6669.81	1306.14	5.11	1128.21	14087.05	1899.34	185602.56	201588.95

- *< = 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***