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+C_2019+Com+CP+Dev_05.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Option A+C
Report generation date: 24/01/2021 15:23:17

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+CP+Dev - AM 2019+Com+CP+Dev					
Network	A15 D15	120	10497.26	764.03	312% (TS 49/1)	19 (12%)

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

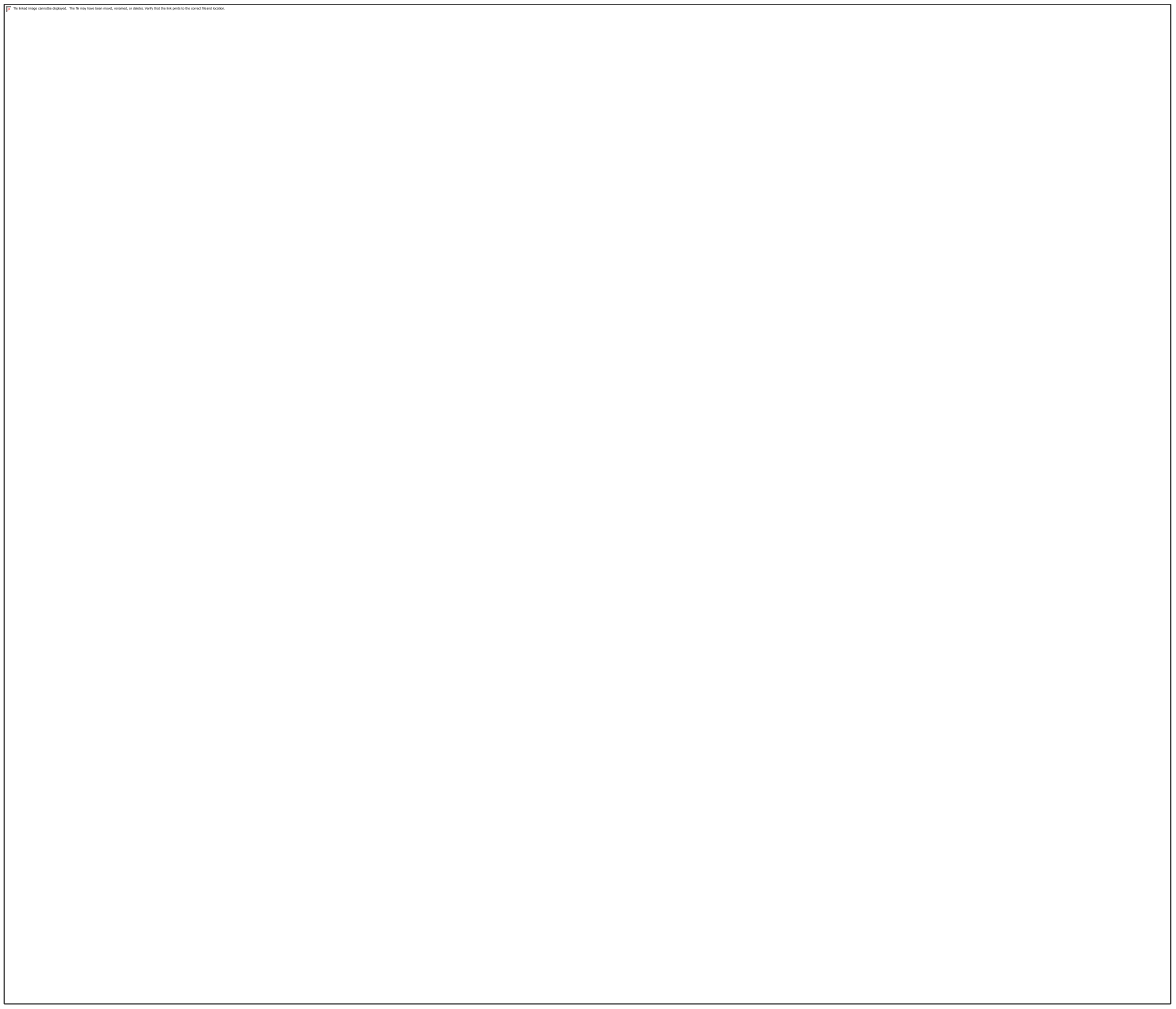
Sorting

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+CP+Dev
D15 - AM 2019+Com+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 15:03:42	24/01/2021 15:03:54	12.15	07:30	120	10497.26	764.03	312.11	49/1	19	12	TC42/1	49/1	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+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+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	72		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			5
53			5

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	✓	73.98	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.16	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	77.64	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	79.12	✓	Directly entered	2050		2050	✓		Normal	
Ac	1	(untitled)	M62E	✓	95.60	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Wake	✓	92.09	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.52	✓	Directly entered	2263		2263	✓		Normal	
Acf	1	(untitled)		✓	69.20	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	70.11	✓	Directly entered	2263		2263			Normal	
Af	1	(untitled)	M62E/Wake	✓	53.70	✓	Directly entered	2050		2050			Normal	
	2	(untitled)	Dews	✓	53.35	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	53.16	✓	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)		✓	60.55	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)		✓	63.28	✓	Directly entered	2263		2050	✓		Normal	
	3	(untitled)		✓	63.30	✓	Directly entered	2263		2050	✓		Normal	
	4	(untitled)		✓	63.32	✓	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	✓	183.21	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Leeds	✓	181.45	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	M62E/Dews	✓	180.28	✓	Directly entered	2263		2263	✓		Normal	
Ff	**1**	(untitled)		✓	275.73	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	275.39	✓	Sum of lanes	1900		1900			Normal	
G	**1**	(untitled)		✓	155.36	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)		✓	151.80	✓	Directly entered	2050		2050	✓		Normal	
Gf	**1**	(untitled)		✓	40.48	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	40.06	✓	Directly entered	2050		2050			Normal	
xA	**1**	(untitled)		✓	229.66	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	229.97	✓	Directly entered	2263		2263			Normal	
xB	**1**	(untitled)		✓	77.15								Normal	
xC	**1**	(untitled)		✓	115.60	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	115.98	✓	Sum of lanes	1900		1900			Normal	
xD	**1**	(untitled)		✓	121.44								Normal	
	2	(untitled)		✓	122.12								Normal	
xE	**1**	(untitled)		✓	173.89								Normal	
	2	(untitled)		✓	173.83								Normal	
xF	**1**	(untitled)		✓	162.53								Normal	
Cc1	**1**	(untitled)	Wake	✓	95.84	✓	Directly entered	2050		2050	✓		Normal	
E1	**1**	(untitled)	M62W/Leeds		80.00	✓	Directly entered	2050		1900	✓		Normal	
	2	(untitled)	Leeds/M62E		80.00	✓	Directly entered	2200		2100	✓		Normal	
Gf1	**1**	(untitled)		✓	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			✓	35.74	✓	Sum of lanes	1800					Normal	
53	1			✓	107.36	✓	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
53	1	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	500	100	100		0.00	✓	10.50	9999.00				
	2	CTM	500	100	100		0.00	✓	10.50	9999.00				
	3	CTM	500	100	100		0.00	✓	10.50	9999.00				
	4	CTM	500	100	100		0.00	✓	10.50	9999.00				
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	NetworkDefault	100	100	100		0.00							
53	1	NetworkDefault	500	100	100		0.00	✓	22.00	9999.00				

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	286	286

	3	336	336
	4	319	319
Ac	**1**	870	870
	2	351	351
	3	220	220
Acf	**1**	1221	1221
	2	220	220
Af	**1**	668	668
	2	336	336
	3	319	319
B	**1**	415	415
	2	443	443
	3	464	464
	4	455	455
Bc	**1**	637	637
	2	448	448
	3	427	427
Bcf	**1**	1457	1457
	2	637	637
	3	448	448
	4	427	427
Bf	**1**	858	858
	2	919	919
C	**1**	104	104
	2	803	803
	3	542	542
Cf	**1**	794	794
	2	655	655
D	**1**	494	494
	2	490	490
	3	607	607
	4	608	608
Dc	**1**	809	809
	2	848	848
	3	804	804
	4	825	825
Dcf	**1**	867	867
	2	305	305
	3	809	809
	4	848	848
	5	804	804
	6	825	825
Df	**1**	984	984
	2	1215	1215
Dxp	**1**	867	867
	2	305	305
Ec	**1**	767	767
	2	1294	1294
	3	1289	1289
	4	602	602
Ecf	**1**	968	968
	2	1183	1183
	3	1294	1294
	4	1289	1289
	5	751	751

Ef	**1**	816	816
	2	454	454
Exp	**1**	968	968
	2	416	416
F	**1**	322	322
	2	354	354
	3	146	146
Fc	**1**	1462	1462
	2	1463	1463
	3	1026	1026
Ff	**1**	676	676
	2	146	146
G	**1**	293	293
	2	310	310
Gf	**1**	235	235
	2	219	219
xA	**1**	1706	1706
	2	1421	1421
xB	**1**	1457	1457
xC	**1**	468	468
	2	415	415
xD	**1**	867	867
	2	305	305
xE	**1**	968	968
	2	416	416
xF	**1**	817	817
Cc1	**1**	280	280
E1	**1**	392	392
	2	424	424
Gf1	**1**	149	149
Cc2	**2**	772	772
	3	595	595
	4	296	296
	5	782	782
	6	563	563
E2	**3**	235	235
	4	219	219
TC5	**2**	1307	1307
	3	1421	1421
	4	0	0
TC9	**1**	574	574
	2	317	317
	3	270	270
TC35	**1**	399	399
TC36	**1**	196	196
TC37	**1**	34	34
TC38	**1**	34	34
TC39	**2**	1307	1307
	3	1421	1421
TC40	**2**	1341	1341
	3	1421	1421
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	581	581
50	**1**	1777	1777
51	**1**	822	822
52	**1**	205	205
53	**1**	205	205

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	
Bcf	**1**	769-1	A	
	2	769-1	A	
	3	769-1	A	
	4	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	
53	**1**	771-2	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	5.55	48.00	✓	Straight	Straight Movement
	2	**1**	Af/1	A/2	5.71	48.00	✓	Straight	Straight Movement
	3	**1**	Af/2	A/3	5.82	48.00	✓	Straight	Straight Movement
	4	**1**	Af/3	A/4	5.93	48.00	✓	Straight	Straight Movement
Ac	**1**	**1**	Acf/1	Ac/1	7.17	48.00	✓	Offside	44.58
	2	**1**	Acf/1	Ac/2	9.47	35.00	✓	Offside	41.96
	3	**1**	Acf/2	Ac/3	6.56	48.00	✓	Offside	38.65
Acf	**1**	**1**	F/2	Acf/1	5.19	48.00	✓	Straight	Straight Movement
	2	**1**	F/3	Acf/2	7.21	35.00	✓	Straight	Straight Movement
Af	**1**	**1**	TC42/1	Af/1	6.44	30.00	✓	Nearside	10.75
	2	**1**	TC42/1	Af/2	6.40	30.00	✓	Nearside	10.75

	3	**1**	TC42/1	Af/3	6.38	30.00	✓	Nearside	10.75
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	4.54	48.00	✓	Nearside	56.01
	2	**1**	A/2	Bcf/2	6.70	34.00	✓	Nearside	59.33
	3	**1**	A/3	Bcf/3	6.70	34.00	✓	Nearside	62.64
	4	**1**	A/4	Bcf/4	6.70	34.00	✓	Nearside	65.95
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	18.84	35.00	✓	Straight	Straight Movement
	2	**1**	Ec/3	Fc/2	18.66	35.00	✓	Straight	Straight Movement
	3	**1**	Ec/4	Fc/3	18.54	35.00	✓	Straight	Straight Movement
Ff	**1**	**1**	51/1	Ff/1	33.09	30.00	✓	Straight	Straight Movement
	2	**1**	51/1	Ff/2	33.05	30.00	✓	Straight	Straight Movement
G	**1**	**1**	Gf/1	G/1	15.98	35.00	✓	Offside	88.54
	2	**1**	Gf/2	G/2	11.38	48.00	✓	Offside	85.22
Gf	**1**	**1**	E2/3	Gf/1	3.04	48.00	✓	Straight	Straight Movement
	2	**1**	E2/4	Gf/2	3.00	48.00	✓	Straight	Straight Movement
xA	**1**	**1**	F/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	**1**	F/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
xB	**1**	**1**	Bcf/1	xB/1	5.79	48.00	✓	Nearside	59.55
xC	**1**	**1**	G/1	xC/1	8.67	48.00	✓	Straight	Straight Movement
	2	**1**	G/2	xC/2	8.70	48.00	✓	Straight	Straight Movement
xD	**1**	**1**	Dxp/1	xD/1	9.11	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	12.19	48.00	✓	Straight	Straight Movement
Cc1	**1**	**1**	B/1	Cc1/1	8.63	40.00	✓	Straight	Straight Movement
E1	**1**	**1**	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	**1**	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96
Gf1	**1**	**1**	Ecf/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**	Fc/3	52/1	4.29	30.00	✓	Offside	5.48
53	**1**	**1**	52/1	53/1	12.88	30.00	✓	Nearside	34.56
Acf	**1**	**2**	Fc/3	Acf/1	5.19	48.00	✓	Straight	Straight Movement
	2	**2**	Fc/3	Acf/2	7.21	35.00	✓	Straight	Straight Movement
Af	**1**	**2**	TC9/1	Af/1	6.44	30.00	✓	Straight	Straight Movement
	2	**2**	TC9/2	Af/2	6.40	30.00	✓	Straight	Straight Movement
	3	**2**	TC9/3	Af/3	6.38	30.00	✓	Straight	Straight Movement
Bcf	**1**	**2**	Ac/1	Bcf/1	3.82	57.00	✓	Straight	Straight Movement
	2	**2**	Ac/2	Bcf/2	4.00	57.00	✓	Straight	Straight Movement
	3	**2**	Ac/3	Bcf/3	4.00	57.00	✓	Straight	Straight Movement
	4	**2**	Ac/3	Bcf/4	4.00	57.00	✓	Straight	Straight Movement
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	20.61	32.00	✓	Nearside	58.94
	2	**2**	E1/1	Fc/2	20.41	32.00	✓	Nearside	60.85
	3	**2**	E1/2	Fc/3	20.28	32.00	✓	Nearside	64.16
G	**1**	**2**	Gf1/1	G/1	15.98	35.00	✓	Offside	17.91
	2	**2**	Gf1/1	G/2	11.38	48.00	✓	Offside	15.13
xA	**1**	**2**	Fc/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	**2**	Fc/2	xA/2	17.25	48.00	✓	Straight	Straight Movement
xC	**1**	**2**	Cc1/1	xC/1	8.67	48.00	✓	Nearside	56.51
	2	**2**	Cc1/1	xC/2	8.70	48.00	✓	Nearside	57.28
xF	**1**	**2**	E1/1	xF/1	12.19	48.00	✓	Nearside	40.67
Cc1	**1**	**2**	Bc/1	Cc1/1	6.39	54.00	✓	Straight	Straight Movement
Cc2	**2**	**2**	Bc/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
Acf	**1**	**3**	Fc/2	Acf/1	5.19	48.00	✓	Straight	Straight Movement
Af	**1**	**3**	TC41/1	Af/1	6.44	30.00	✓	Offside	6.23
	2	**3**	TC41/1	Af/2	6.40	30.00	✓	Offside	6.23
	3	**3**	TC41/1	Af/3	6.38	30.00	✓	Offside	6.23
Bcf	**1**	**3**	53/1	Bcf/1	7.27	30.00	✓	Offside	18.14
Dcf	**4**	**3**	Cc2/5	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
xA	**2**	**3**	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
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	I1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	159
	36		C28	E28	Df/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	0
	41		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	288
	49	I1	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	219
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	367
	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	229
	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	15
	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	227
	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	235
	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	120
	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	455
	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	251
	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	66
	170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	57
	171		G28	H28	49/1, TC9/1, TC43/1	Normal	0
	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	48
	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	183
	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	8
	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	23
	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	174
	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	45
	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	96
	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	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	12
	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	8
	205		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	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	7
	317		C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	607
	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	430
	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	17
	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	424
	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	1
	343		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	40
	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	57
	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	51
	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	60
	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	133
	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	79
	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	38
	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	120
	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	0
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	0
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	342
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	122
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	433
466		A28	D28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	2
467		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, 52/1, 53/1, Bcf/1, xB/1	Normal	0
468		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, 52/1, 53/1, Bcf/1, xB/1	Normal	0
469		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, 52/1, 53/1, Bcf/1, xB/1	Normal	143
470		E28	A28	Ef/1, E1/2, Fc/3, 52/1, 53/1, Bcf/1, xB/1	Normal	62

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	166	2050	20	166	100	-10	360.94	17.57	136.56	366.49
		2	(untitled)	E	112	2050	20	376	30	202	40.04	2.38	17.98	45.75
		3	(untitled)	E	332	2050	20	375	89	2	50.97	8.31	61.55	56.79
		4	(untitled)	E	319	2050	20	376	85	6	44.14	9.13	66.36	50.08

Ac	**1**	(untitled)	D	760	2263	48	936	81	11	22.91	15.77	94.86	30.08
	2	(untitled)	D	347	2263	48	907	38	135	11.31	6.88	42.99	20.78
	3	(untitled)	D	203	2263	48	943	22	318	8.10	2.67	17.57	14.66
Acf	**1**	(untitled)		1107	2263	120	2263	49	84	0.76	0.23	1.94	5.95
	2	(untitled)		203	2263	120	2263	9	903	0.08	0.00	0.04	7.29
Af	**1**	(untitled)		278	2050	120	278	100	-10	196.41	16.56	177.31	202.86
	2	(untitled)		332	2050	120	2050	16	455	0.17	0.02	0.17	6.57
	3	(untitled)		319	2050	120	2050	16	478	0.16	0.01	0.16	6.54
B	**1**	(untitled)	B	367	2050	22	410	89	1	53.17	8.39	50.97	60.27
	2	(untitled)	B	391	2150	22	419	94	-4	65.84	10.29	60.90	73.13
	3	(untitled)	B	410	2100	22	410	100	-10	196.82	25.88	149.26	204.30
	4	(untitled)	B	402	2050	22	410	98	-8	106.45	15.98	89.72	118.74
Bc	**1**	(untitled)	A	459	2050	74	1298	35	155	14.15	7.84	33.95	26.11
	2	(untitled)	A	427	2050	74	1298	33	173	2.73	2.08	9.12	14.56
	3	(untitled)	A	427	2050	74	1298	33	174	5.40	2.22	9.81	17.10
Bcf	**1**	(untitled)	A	1110	2263	74	1433	77	16	14.63	10.98	104.31	19.13
	2	(untitled)	A	459	2263	74	1419	32	178	3.26	4.60	41.77	7.92
	3	(untitled)	A	427	2263	74	1433	30	202	4.36	7.99	72.58	10.46
	4	(untitled)	A	427	2263	74	1403	30	196	1.29	7.82	71.02	7.31
Bf	**1**	(untitled)		758	1800	120	1800	42	114	0.73	0.15	0.39	28.06
	2	(untitled)		812	1800	120	845	96	-6	120.39	46.76	117.70	147.80
C	**1**	(untitled)	G	104	2100	44	805	13	597	12.35	1.46	6.93	26.88
	2	(untitled)	G	803	2200	44	843	95	-5	49.02	19.02	89.11	63.74
	3	(untitled)	G	542	2050	44	786	69	30	20.81	8.02	37.09	35.74
Cf	**1**	(untitled)		794	1965	120	1965	40	123	0.62	0.14	0.54	17.97
	2	(untitled)		655	1965	120	1965	33	170	0.46	0.08	0.33	17.96
D	**1**	(untitled)	B	494	2050	32	581	85	6	36.76	9.29	97.13	40.89
	2	(untitled)	B	489	1850	32	524	93	-4	56.86	11.86	124.04	60.98
	3	(untitled)	B	582	2250	32	638	91	-1	52.01	10.98	119.46	55.98
	4	(untitled)	B	582	2250	32	638	91	-1	53.31	11.37	118.00	57.47
Dc	**1**	(untitled)	A	758	2100	68	1225	62	46	8.20	7.81	88.24	14.31
	2	(untitled)	A	849	2100	68	1225	69	30	11.80	8.02	94.21	17.67

	3	(untitled)	A	750	2100	68	1225	61	47	7.62	5.15	62.96	13.26
	4	(untitled)	A	780	2100	68	1225	64	41	8.34	5.49	70.05	13.75
Dcf	1	(untitled)		731	2050	120	2050	36	152	0.49	0.10	0.87	5.39
	2	(untitled)		283	2100	120	2100	13	567	0.13	0.01	0.09	5.03
	3	(untitled)		758	2100	120	2100	36	149	0.48	0.10	0.89	7.20
	4	(untitled)		849	2100	120	1629	52	73	3.43	8.32	70.71	9.74
	5	(untitled)		750	2100	120	2100	36	152	0.48	0.10	0.86	7.30
	6	(untitled)		780	2050	120	2050	38	137	0.54	0.12	1.01	8.48
Df	1	(untitled)		983	1900	120	1900	52	74	1.01	0.28	0.80	25.01
	2	(untitled)		1215	2250	120	1164	104	-14	112.77	52.60	151.23	136.77
Dxp	1	(untitled)	D	769	2050	101	1743	44	104	1.51	1.66	20.90	4.94
	2	(untitled)	D	289	2050	101	1743	17	443	0.36	1.17	13.97	3.97
Ec	1	(untitled)	F	767	2150	82	1505	51	77	5.50	5.14	58.98	9.26
	2	(untitled)	F	1239	2263	82	1584	78	15	6.01	7.17	85.09	9.64
	3	(untitled)	F	1219	2263	82	1584	77	17	4.82	6.54	80.39	8.33
	4	(untitled)	F	578	2250	82	1575	37	145	0.73	0.14	1.81	6.14
Ecf	1	(untitled)		917	2100	120	2097	44	106	0.67	4.81	60.20	4.12
	2	(untitled)		1184	2100	120	2100	56	60	1.11	0.36	4.51	4.58
	3	(untitled)		1239	2263	120	2239	55	63	1.01	2.33	28.56	5.37
	4	(untitled)		1219	2300	120	2295	53	69	0.89	2.21	26.74	5.47
	5	(untitled)		725	2300	120	2300	32	185	0.36	0.07	0.86	5.76
Ef	1	(untitled)		816	1900	120	630	129	-30	429.62	104.85	472.67	444.93
	2	(untitled)		454	1900	120	1900	24	277	0.30	0.04	0.17	15.60
Exp	1	(untitled)	L	917	2050	102	1760	52	73	2.28	4.97	55.08	6.17
	2	(untitled)	L	417	2050	102	1760	24	280	0.43	0.13	1.39	4.46
F	1	(untitled)	B	322	2100	18	350	92	-2	68.56	8.81	59.49	74.94
	2	(untitled)	B	354	2100	18	350	101	-11	167.06	19.89	133.42	173.49
	3	(untitled)	B	146	2100	18	350	42	116	26.07	2.47	16.26	32.62
Fc	1	(untitled)	A	1369	2263	82	1584	86	4	11.04	10.35	32.47	30.05
	2	(untitled)	A	1353	2263	82	1523	89	1	12.62	10.36	32.82	31.45
	3	(untitled)	A	906	2263	82	1544	59	53	3.76	2.44	7.78	22.93
Ff	1	(untitled)		676	1900	120	1900	36	153	0.52	0.10	0.20	33.61

	2	(untitled)		146	1900	120	1900	8	1071	0.08	0.00	0.01	33.13
G	1	(untitled)	F	293	2050	42	734	40	126	2.66	3.55	13.12	18.64
	2	(untitled)	F	308	2050	42	734	42	114	4.46	4.80	18.20	15.84
Gf	1	(untitled)		235	2050	120	2050	11	685	0.11	0.01	0.11	3.15
	2	(untitled)		219	2050	120	2050	11	742	0.11	0.01	0.09	3.11
xA	1	(untitled)		1614	2263	120	2030	80	13	5.46	20.43	51.15	22.68
	2	(untitled)		1337	2263	120	2184	61	47	1.68	5.30	13.26	18.93
xB	1	(untitled)		1110	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	1	(untitled)		422	1900	120	1425	30	204	6.17	7.03	34.96	14.84
	2	(untitled)		369	1900	120	1437	26	251	4.25	4.74	23.51	12.95
xD	1	(untitled)		769	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.11
	2	(untitled)		289	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.16
xE	1	(untitled)		917	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		417	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	1	(untitled)		805	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
Cc1	1	(untitled)	E	190	2050	50	882	22	318	18.56	2.86	17.13	25.45
E1	1	(untitled)	G	303	2050	16	308	98	-9	203.64	19.18	137.85	209.64
	2	(untitled)	G	327	2200	16	330	99	-9	216.51	21.88	157.29	222.51
Gf1	1	(untitled)		147	710	120	710	21	334	4.37	1.60	19.30	10.11
Cc2	2	(untitled)	D	636	2150	52	948	67	34	21.87	7.90	49.64	31.45
	3	(untitled)	D	544	2050	52	894	61	48	19.33	6.48	40.88	30.26
	4	(untitled)	D	274	2150	52	962	29	215	15.25	5.30	33.69	21.33
	5	(untitled)	D	729	2050	52	867	84	7	25.13	13.66	86.81	33.88
	6	(untitled)	D	518	2050	52	923	56	60	15.06	4.65	30.34	22.56
E2	3	(untitled)	H	235	2150	16	313	75	20	41.17	4.55	49.09	45.17
	4	(untitled)	H	219	2050	16	308	71	26	38.27	4.08	43.13	42.34
TC5	2	(untitled)	A	1237	2263	97	1867	66	36	2.92	3.55	88.57	5.69
	3	(untitled)	A	1337	2263	97	1867	72	26	2.84	3.80	94.85	5.60
	4	(untitled)	C	0	1800	7	120	0	Unrestricted	0.00	0.00	0.00	0.00
TC9	1	(untitled)	B	184	1925	86	184	100	-10	407.03	22.26	139.55	418.03
	2	(untitled)	B	312	1966	86	1458	21	320	5.07	3.05	19.04	16.13
	3	(untitled)	B	271	1947	86	1444	19	380	4.94	2.51	15.55	16.06

	TC35	1	(untitled)	A	377	1900	97	1568	24	275	2.29	1.75	41.74	5.19
	TC36	1	(untitled)		196	1800	120	1800	11	727	0.12	0.01	0.15	3.15
	TC37	1	(untitled)	J	34	1850	104	1619	2	4185	1.02	0.14	1.84	4.21
	TC38	1	(untitled)		34	240	120	240	14	535	5.28	2.43	65.46	6.82
	TC39	2	(untitled)		1237	2263	120	2263	55	65	0.96	0.33	5.37	3.50
		3	(untitled)		1337	2263	120	2263	59	52	1.15	0.43	7.36	3.54
	TC40	2	(untitled)		1271	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		1337	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	162	1850	12	200	81	11	86.08	6.54	68.79	90.01
	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)		791	1300	120	1300	61	48	2.14	0.47	2.03	18.18
	48	1	(untitled)		1449	1965	120	1965	74	22	2.55	1.03	10.73	9.17
	49	1	(untitled)		581	1900	120	186	312	-71	1235.44	203.76	4464.46	1238.59
		2	(untitled)		581	1900	120	1900	31	194	0.42	0.07	1.47	3.57
	50	1	(untitled)		1777	1900	120	1570	113	-20	220.97	132.77	1585.65	226.75
	51	1	(untitled)		822	1900	120	1900	43	108	0.72	0.16	2.53	5.22
	52	1			185	1800	120	1800	10	777	0.11	0.01	0.09	4.40
	53	1		A	185	1800	22	338	55	65	22.81	3.23	17.32	35.69

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	97	14	37	1	7
	2	✓	2	B	21	32	11	1	7
	3		1	A	37	74	37	1	7
	4		2	B	81	92	11	1	7
769-2	1	✓	4	D,E,H,I	12	32	20	1	3
	2	✓	5	F,G,J,K	43	58	15	1	8
	3		4	D,E,H,I	72	92	20	1	3
	4		5	F,G,J,K	103	118	15	1	8
770-1	1	✓	1	A,C	13	45	32	1	5
	2	✓	2	B	52	68	16	1	7
	3		1	A,C	73	105	32	1	5
	4		2	B	112	8	16	1	7
770-2	1	✓	4	D	4	105	101	1	7
	2	✓	5	E	110	117	7	1	5
770-3	1	✓	7	F,I,J	110	26	36	1	2
	2	✓	9	G,H	37	38	1	1	1

	3		7	F,I,J	50	86	36	1	2
	4		9	G,H	97	98	1	1	1
770-4	**1**	✓	11	L	119	101	102	1	7
	2	✓	12	M	106	112	6	1	6
771-1	**1**	✓	1	A,C	112	27	35	1	9
	2	✓	3	B	38	47	9	1	7
	3		1	A,C	52	87	35	1	9
	4		3	B	98	107	9	1	7
771-2	**1**	✓	5	D	2	26	24	1	7
	2	✓	6	E	31	41	10	1	7
	3	✓	3	A	46	57	11	1	7
	4		5	D	62	86	24	1	7
	5		6	E	91	101	10	1	7
	6		3	A	106	117	11	1	7
TC777-1	**1**	✓	1	A,B,F	74	39	85	1	6
	2	✓	2	A,C,F,G	44	51	7	1	7
	3	✓	5	D,H,I	58	68	10	1	6
TC777-2	**1**	✓	1	J	49	33	104	1	7
	2	✓	2	K	38	44	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	**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	**A**	A	7	300	0	0	Traffic

	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**	✓	73.98	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	2	✓	76.16	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	3	✓	77.64	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	4	✓	79.12	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Ac	**1**	✓	95.60	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	92.09	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	50
	3	✓	87.52	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
Acf	**1**	✓	69.20	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	70.11	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Af	**1**	✓	53.70	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	53.35	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	53.16	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**	✓	60.55	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	63.28	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	63.30	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	4	✓	63.32	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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**	✓	183.21	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	181.45	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**	✓	162.53	NetworkDefault	0.00	Normal						100	100

Cc1	**1**	✓	95.84	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E1	**1**		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	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**	✓	35.74	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
53	**1**	✓	107.36	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	500

Data entry - Link

Results - Pedestrian

Pedestrian Crossings: Pedestrian summary

Time Segment	Pedestrian crossing	Side	Calculated Flow Entering (Ped/hr)	Degree of saturation (%)	Actual green (s (per cycle))	Mean Delay Per Ped (s)	Mean max queue (Ped)
07:30-08:30	1	1	0	0	7	0.00	0.00
		2	0	0	7	0.00	0.00
	2	1	0	0	64	0.00	0.00
		2	0	0	64	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	80	0.00	0.00
		2	0	0	80	0.00	0.00
	5	1	0	0	80	0.00	0.00
		2	0	0	80	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	70	0.00	0.00
		2	0	0	70	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	34	0.00	0.00
		2	0	0	34	0.00	0.00
	10	1	0	0	46	0.00	0.00
		2	0	0	46	0.00	0.00
	11	1	0	0	50	0.00	0.00
		2	0	0	50	0.00	0.00
	12	1	0	0	48	0.00	0.00
		2	0	0	48	0.00	0.00
	13	1	0	0	12	0.00	0.00
		2	0	0	12	0.00	0.00
	14	1	0	0	98	0.00	0.00
		2	0	0	98	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	10	0.00	0.00
		2	0	0	10	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	0.0	352.3	357.5	410.5	401.1	699.5	651.1	0.0
	B28	195.6	0.0	77.7	147.0	141.3	168.9	178.6	0.0
	C28	289.8	268.0	0.0	87.7	89.0	151.8	221.1	0.0
	D28	281.5	292.9	335.9	0.0	217.0	144.7	153.6	0.0
	E28	752.0	111.5	781.0	666.8	0.0	713.1	721.7	0.0
	F28	684.3	418.8	416.9	267.2	254.9	0.0	18.4	0.0
	G28	2255.5	1985.7	872.4	189.9	174.8	225.4	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	88.96	526.66	0.00	0.00	0.00	159	88.96	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	288	751.20	690.32	0.00	0.00	0.00	288	751.20	690.32
49	C28	D28	335	87.67	514.00	0.00	0.00	0.00	335	87.67	514.00
50	E28	D28	50	666.75	370.08	0.00	0.00	0.00	50	666.75	370.08
68	E28	G28	132	722.25	737.43	0.00	0.00	0.00	132	722.25	737.43
92	E28	F28	36	713.14	644.57	0.00	0.00	0.00	36	713.14	644.57
100	E28	B28	219	106.61	623.35	0.00	0.00	0.00	219	106.61	623.35
102	A28	C28	367	357.46	694.76	0.00	0.00	0.00	367	357.46	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	352.26	716.08	0.00	0.00	0.00	48	352.26	716.08
110	E28	G28	54	720.30	731.08	0.00	0.00	0.00	54	720.30	731.08
112	F28	G28	34	18.41	149.60	0.00	0.00	0.00	34	18.41	149.60
113	F28	A28	64	684.26	345.23	0.00	0.00	0.00	64	684.26	345.23
115	B28	C28	9	76.65	556.36	0.00	0.00	0.00	9	76.65	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	144.09	770.11	0.00	0.00	0.00	208	144.09	770.11
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	229	178.03	1063.74	0.00	0.00	0.00	229	178.03	1063.74
141	B28	F28	36	168.90	970.89	0.00	0.00	0.00	36	168.90	970.89
142	B28	G28	15	174.83	1059.16	0.00	0.00	0.00	15	174.83	1059.16
143	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
144	B28	G28	227	179.41	1054.40	0.00	0.00	0.00	227	179.41	1054.40
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	195.59	1013.01	0.00	0.00	0.00	35	195.59	1013.01
150	E28	B28	235	116.06	625.89	0.00	0.00	0.00	235	116.06	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	418.81	750.92	0.00	0.00	0.00	13	418.81	750.92
154	E28	A28	120	748.88	691.48	0.00	0.00	0.00	120	748.88	691.48

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	455	608.01	1196.15	0.00	0.00	0.00	455	608.01	1196.15
159	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
160	B28	D28	256	146.98	698.10	0.00	0.00	0.00	256	146.98	698.10
161	B28	E28	251	144.19	713.02	0.00	0.00	0.00	251	144.19	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	77.81	553.47	0.00	0.00	0.00	95	77.81	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	2255.50	383.33	0.00	0.00	0.00	318	2255.50	383.33
169	G28	B28	66	1987.50	789.02	0.00	0.00	0.00	66	1987.50	789.02
170	G28	B28	57	1983.62	789.40	0.00	0.00	0.00	57	1983.62	789.40
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	48	266.69	871.67	0.00	0.00	0.00	48	266.69	871.67
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	183	138.91	710.57	0.00	0.00	0.00	183	138.91	710.57
179	B28	E28	113	138.90	711.82	0.00	0.00	0.00	113	138.90	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	416.89	729.98	0.00	0.00	0.00	17	416.89	729.98
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	8	358.65	699.04	0.00	0.00	0.00	8	358.65	699.04
187	G28	D28	23	191.66	910.98	0.00	0.00	0.00	23	191.66	910.98
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	174	154.14	744.99	0.00	0.00	0.00	174	154.14	744.99
196	D28	F28	103	144.69	652.14	0.00	0.00	0.00	103	144.69	652.14
197	D28	G28	45	151.59	740.41	0.00	0.00	0.00	45	151.59	740.41
198	D28	A28	3	281.46	701.41	0.00	0.00	0.00	3	281.46	701.41
199	D28	B28	96	339.20	1101.41	0.00	0.00	0.00	96	339.20	1101.41
200	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
201	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
202	F28	D28	12	269.51	872.38	0.00	0.00	0.00	12	269.51	872.38
203	F28	E28	8	254.87	887.29	0.00	0.00	0.00	8	254.87	887.29
205	A28	E28	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	781.03	1066.13	0.00	0.00	0.00	74	781.03	1066.13
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	7	1375.31	770.11	0.00	0.00	0.00	7	1375.31	770.11
317	C28	G28	607	265.63	870.70	0.00	0.00	0.00	607	265.63	870.70
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	430	160.89	880.26	0.00	0.00	0.00	430	160.89	880.26
323	C28	F28	42	151.77	787.41	0.00	0.00	0.00	42	151.77	787.41
324	C28	G28	17	157.76	875.68	0.00	0.00	0.00	17	157.76	875.68
325	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
330	C28	A28	424	291.95	831.86	0.00	0.00	0.00	424	291.95	831.86
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	1	267.87	756.38	0.00	0.00	0.00	1	267.87	756.38
343	C28	B28	40	268.01	753.20	0.00	0.00	0.00	40	268.01	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	57	255.51	1451.44	0.00	0.00	0.00	57	255.51	1451.44
394	D28	B28	51	247.58	1448.26	0.00	0.00	0.00	51	247.58	1448.26
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	60	225.37	1180.65	0.00	0.00	0.00	60	225.37	1180.65
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	133	1985.44	768.08	0.00	0.00	0.00	133	1985.44	768.08
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	335.87	1080.47	0.00	0.00	0.00	255	335.87	1080.47
439	G28	E28	79	172.76	923.44	0.00	0.00	0.00	79	172.76	923.44
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	38	217.00	1234.20	0.00	0.00	0.00	38	217.00	1234.20
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	189.48	910.75	0.00	0.00	0.00	91	189.48	910.75
452	G28	E28	120	176.19	925.66	0.00	0.00	0.00	120	176.19	925.66
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	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
459	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
460	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
461	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
462	A28	G28	342	708.63	1205.17	0.00	0.00	0.00	342	708.63	1205.17
463	A28	F28	122	699.51	1112.32	0.00	0.00	0.00	122	699.51	1112.32
464	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
465	A28	E28	433	401.10	852.36	0.00	0.00	0.00	433	401.10	852.36
466	A28	D28	2	410.51	839.90	0.00	0.00	0.00	2	410.51	839.90
467	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
468	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
469	C28	A28	143	283.57	810.17	0.00	0.00	0.00	143	283.57	810.17
470	E28	A28	62	761.74	668.62	0.00	0.00	0.00	62	761.74	668.62

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	166 <	2050	20	12.29	100	-10	366.49	360.94	273.51	17.57 +	20	0	0.00	47.23
	2	(untitled)	6	771-2	E	112	2050	20	15.00	30	202	45.75	40.04	103.28	2.38	20	0	0.00	3.54
	3	(untitled)	6	771-2	E	332	2050	20	0.04	89	2	56.79	50.97	133.84	8.31	20	0	0.00	13.36
	4	(untitled)	6	771-2	E	319	2050	20	0.00	85	6	50.08	44.14	125.83	9.13	20	0	0.00	11.11
Ac	1	(untitled)	6	771-2	D	760	2263	48	8.35	81	11	30.08	22.91	92.96	15.77	100	500	0.00	181.96
	2	(untitled)	6	771-2	D	347	2263	48	29.88	38	135	20.78	11.31	104.73	6.88	100	50	0.00	18.58
	3	(untitled)	6	771-2	D	203	2263	48	22.00	22	318	14.66	8.10	79.59	2.67	100	500	0.00	32.44
Acf	1	(untitled)	6			1107	2263	120	44.00	49	84	5.95	0.76	0.00	0.23	100	100	0.00	3.32
	2	(untitled)	6			203	2263	120	80.00	9	903	7.29	0.08	0.00	0.00	100	100	0.00	0.06
Af	1	(untitled)	6			278 <	2050	120	103.73	100	-10	202.86	196.41	185.91	16.56 +	100	100	0.00	221.78
	2	(untitled)	6			332	2050	120	20.00	16	455	6.57	0.17	0.00	0.02	100	100	0.00	0.22
	3	(untitled)	6			319	2050	120	20.00	16	478	6.54	0.16	0.00	0.01	100	100	0.00	0.20
B	1	(untitled)	1	769-1	B	367	2050	22	0.00	89	1	60.27	53.17	130.21	8.39	20	0	0.00	15.38
	2	(untitled)	1	769-1	B	391	2150	22	0.64	94	-4	73.13	65.84	145.70	10.29	20	0	0.00	20.33
	3	(untitled)	1	769-1	B	410 <	2100	22	0.57	100	-10	204.30	196.82	263.80	25.88 +	20	0	0.00	63.66
	4	(untitled)	1	769-1	B	402	2050	22	0.00	98	-8	118.74	106.45	168.02	15.98	20	0	0.00	33.76
Bc	1	(untitled)	1	769-1	A	459	2050	74	48.00	35	155	26.11	14.15	74.02	7.84	100	500	0.00	63.50
	2	(untitled)	1	769-1	A	427	2050	74	49.00	33	173	14.56	2.73	16.20	2.08	100	500	0.00	12.32
	3	(untitled)	1	769-1	A	427	2050	74	47.00	33	174	17.10	5.40	29.33	2.22	100	500	0.00	23.05
Bcf	1	(untitled)	1	769-1	A	1110 <	2263	74	10.00	77	16	19.13	14.63	62.67	10.98 +	100	500	431.03	626.76
	2	(untitled)	1	769-1	A	459	2263	74	48.75	32	178	7.92	3.26	29.96	4.60	100	500	0.00	32.14
	3	(untitled)	1	769-1	A	427	2263	74	43.00	30	202	10.46	4.36	49.66	7.99	100	500	0.00	31.33
	4	(untitled)	1	769-1	A	427	2263	74	48.60	30	196	7.31	1.29	20.46	7.82	100	500	0.00	12.43
Bf	1	(untitled)	1			758	1800	120	0.00	42	114	28.06	0.73	0.00	0.15	100	100	0.00	2.17
	2	(untitled)	1			812 <	1800	120	63.66	96	-6	147.80	120.39	306.28	46.76 +	100	100	0.00	416.80
C	1	(untitled)	2	769-2	G	104	2100	44	0.00	13	597	26.88	12.35	62.22	1.46	20	0	0.00	1.01
	2	(untitled)	2	769-2	G	803	2200	44	0.00	95	-5	63.74	49.02	135.27	19.02	20	0	0.00	31.05

	3	(untitled)	2	769-2	G	542	2050	44	0.00	69	30	35.74	20.81	84.39	8.02	20	0	0.00	8.90
Cf	**1**	(untitled)	2			794	1965	120	0.00	40	123	17.97	0.62	0.00	0.14	100	100	0.00	1.94
	2	(untitled)	2			655	1965	120	0.00	33	170	17.96	0.46	0.00	0.08	100	100	0.00	1.18
D	**1**	(untitled)	3	770-1	B	494	2050	32	0.00	85	6	40.89	36.76	105.81	9.29	20	0	0.00	14.33
	2	(untitled)	3	770-1	B	489 <	1850	32	0.00	93	-4	60.98	56.86	131.45	11.86 +	20	0	0.00	21.93
	3	(untitled)	3	770-1	B	582 <	2250	32	0.00	91	-1	55.98	52.01	109.30	10.98 +	20	0	0.00	23.86
	4	(untitled)	3	770-1	B	582 <	2250	32	0.00	91	-1	57.47	53.31	113.01	11.37 +	20	0	0.00	24.50
Dc	**1**	(untitled)	3	770-1	A	758	2100	68	20.00	62	46	14.31	8.20	49.24	7.81	100	500	0.00	47.91
	2	(untitled)	3	770-1	A	849	2100	68	20.00	69	30	17.67	11.80	56.63	8.02	100	500	26.69	96.33
	3	(untitled)	3	770-1	A	750	2100	68	10.00	61	47	13.26	7.62	41.15	5.15	100	500	0.00	41.88
	4	(untitled)	3	770-1	A	780	2100	68	22.00	64	41	13.75	8.34	42.19	5.49	100	500	0.00	46.30
Dcf	**1**	(untitled)	3			731	2050	120	34.00	36	152	5.39	0.49	0.00	0.10	100	100	0.00	1.40
	2	(untitled)	3			283	2100	120	100.00	13	567	5.03	0.13	0.00	0.01	100	100	0.00	0.15
	3	(untitled)	3			758	2100	120	40.00	36	149	7.20	0.48	0.00	0.10	100	100	0.00	1.44
	4	(untitled)	3			849	2100	120	56.89	52	73	9.74	3.43	27.11	8.32	100	100	0.00	17.07
	5	(untitled)	3			750	2100	120	30.00	36	152	7.30	0.48	0.00	0.10	100	100	0.00	1.41
	6	(untitled)	3			780	2050	120	42.00	38	137	8.48	0.54	0.00	0.12	100	100	0.00	1.66
Df	**1**	(untitled)	3-2			983	1900	120	0.00	52	74	25.01	1.01	0.00	0.28	100	100	0.00	3.93
	2	(untitled)	3-2			1215 <	2250	120	57.92	104	-14	136.77	112.77	215.75	52.60 +	100	100	0.00	571.93
Dxp	**1**	(untitled)	3-2	770-2	D	769	2050	101	14.00	44	104	4.94	1.51	6.26	1.66	100	100	0.00	6.14
	2	(untitled)	3-2	770-2	D	289	2050	101	72.00	17	443	3.97	0.36	1.95	1.17	100	100	0.00	0.59
Ec	**1**	(untitled)	4	770-3	F	767	2150	82	13.00	51	77	9.26	5.50	31.75	5.14	100	500	0.00	55.73
	2	(untitled)	4	770-3	F	1239	2263	82	8.00	78	15	9.64	6.01	29.07	7.17	100	500	0.00	87.18
	3	(untitled)	4	770-3	F	1219	2263	82	10.00	77	17	8.33	4.82	21.82	6.54	100	500	0.00	65.83
	4	(untitled)	4	770-3	F	578	2250	82	34.00	37	145	6.14	0.73	1.47	0.14	100	500	0.00	2.20
Ecf	**1**	(untitled)	4			917	2100	120	36.14	44	106	4.12	0.67	1.38	4.81	100	100	0.00	2.84
	2	(untitled)	4			1184	2100	120	36.00	56	60	4.58	1.11	0.00	0.36	100	100	0.00	5.16
	3	(untitled)	4			1239	2263	120	25.27	55	63	5.37	1.01	3.02	2.33	100	100	0.00	5.86
	4	(untitled)	4			1219	2300	120	44.28	53	69	5.47	0.89	1.57	2.21	100	100	0.00	4.70
	5	(untitled)	4			725	2300	120	62.00	32	185	5.76	0.36	0.00	0.07	100	100	0.00	1.03

Ef	**1**	(untitled)	4			816 <	1900	120	80.19	129	-30	444.93	429.62	349.11	104.85 +	100	100	0.00	1410.39
	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	917	2050	102	25.00	52	73	6.17	2.28	15.66	4.97	100	100	0.00	12.86
	2	(untitled)	4-2	770-4	L	417	2050	102	53.00	24	280	4.46	0.43	0.93	0.13	100	100	0.00	0.83
F	**1**	(untitled)	5	771-1	B	322	2100	18	0.00	92	-2	74.94	68.56	150.79	8.81	20	0	0.00	17.42
	2	(untitled)	5	771-1	B	354 <	2100	18	0.00	101	-11	173.49	167.06	229.61	19.89 +	20	0	0.00	46.65
	3	(untitled)	5	771-1	B	146	2100	18	0.00	42	116	32.62	26.07	89.34	2.47	20	0	0.00	3.00
Fc	**1**	(untitled)	5	771-1	A	1369	2263	82	4.00	86	4	30.05	11.04	46.15	10.35	100	500	0.00	112.69
	2	(untitled)	5	771-1	A	1353	2263	82	7.22	89	1	31.45	12.62	60.11	10.36	100	500	0.00	135.62
	3	(untitled)	5	771-1	A	906	2263	82	30.11	59	53	22.93	3.76	22.56	2.44	100	500	0.00	29.82
Ff	**1**	(untitled)	5			676	1900	120	0.00	36	153	33.61	0.52	0.00	0.10	100	100	0.00	1.39
	2	(untitled)	5			146	1900	120	0.00	8	1071	33.13	0.08	0.00	0.00	100	100	0.00	0.05
G	**1**	(untitled)	2	769-2	F	293	2050	42	15.02	40	126	18.64	2.66	12.84	3.55	100	500	0.00	6.28
	2	(untitled)	2	769-2	F	308	2050	42	11.02	42	114	15.84	4.46	23.11	4.80	100	500	0.00	16.86
Gf	**1**	(untitled)	4			235	2050	120	102.00	11	685	3.15	0.11	0.00	0.01	100	100	0.00	0.11
	2	(untitled)	4			219	2050	120	102.00	11	742	3.11	0.11	0.00	0.01	100	100	0.00	0.09
xA	**1**	(untitled)	10			1614	2263	120	25.38	80	13	22.68	5.46	24.98	20.43	100	100	0.00	47.69
	2	(untitled)	10			1337	2263	120	25.19	61	47	18.93	1.68	8.41	5.30	100	100	0.00	12.46
xB	**1**	(untitled)				1110	Unrestricted	120	32.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	**1**	(untitled)				422	1900	120	85.98	30	204	14.84	6.17	53.27	7.03	100	100	0.00	17.48
	2	(untitled)				369	1900	120	65.23	26	251	12.95	4.25	42.43	4.74	100	100	0.00	11.21
xD	**1**	(untitled)				769	Unrestricted	120	12.00	0	Unrestricted	9.11	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				289	Unrestricted	120	74.00	0	Unrestricted	9.16	0.00	0.00	0.00	100	100	0.00	0.00
xE	**1**	(untitled)				917	Unrestricted	120	8.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				417	Unrestricted	120	47.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	**1**	(untitled)				805	Unrestricted	120	0.00	0	Unrestricted	12.19	0.00	0.00	0.00	100	100	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	190	2050	50	20.36	22	318	25.45	18.56	85.56	2.86	100	100	0.00	19.82
E1	**1**	(untitled)	4	770-3	G	303 <	2050	16	0.00	98	-9	209.64	203.64	249.60	19.18 +	20	0	0.00	48.64
	2	(untitled)	4	770-3	G	327 <	2200	16	0.00	99	-9	222.51	216.51	263.38	21.88 +	20	0	0.00	55.94
Gf1	**1**	(untitled)	4			147	710	120	58.00	21	334	10.11	4.37	49.65	1.60	100	100	0.00	3.46

Cc2	**2**	(untitled)	2	769-2	D	636	2150	52	15.12	67	34	31.45	21.87	74.88	7.90	100	500	0.00	96.56
	3	(untitled)	2	769-2	D	544	2050	52	21.65	61	48	30.26	19.33	75.33	6.48	100	500	0.00	67.22
	4	(untitled)	2	769-2	D	274	2150	52	38.33	29	215	21.33	15.25	100.81	5.30	100	500	0.00	72.06
	5	(untitled)	2	769-2	D	729	2050	52	10.23	84	7	33.88	25.13	90.02	13.66	100	500	0.00	153.73
	6	(untitled)	2	769-2	D	518	2050	52	22.00	56	60	22.56	15.06	49.78	4.65	100	500	0.00	64.44
E2	**3**	(untitled)	4	770-3	H	235	2150	16	0.56	75	20	45.17	41.17	114.28	4.55	20	0	0.00	7.63
	4	(untitled)	4	770-3	H	219	2050	16	0.00	71	26	42.34	38.27	110.34	4.08	20	0	0.00	6.61
TC5	**2**	(untitled)	TC771-6	TC777-1	A	1237	2263	97	9.00	66	36	5.69	2.92	8.59	3.55	100	100	0.00	15.61
	3	(untitled)	TC771-6	TC777-1	A	1337	2263	97	12.00	72	26	5.60	2.84	8.42	3.80	100	100	0.00	16.39
	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	184 <	1925	86	77.54	100	-10	418.03	407.03	312.37	22.26 +	100	100	0.00	302.47
	2	(untitled)	TC771-6	TC777-1	B	312	1966	86	0.00	21	320	16.13	5.07	28.80	3.05	100	100	0.00	7.37
	3	(untitled)	TC771-6	TC777-1	B	271	1947	86	0.00	19	380	16.06	4.94	27.74	2.51	100	100	0.00	6.22
TC35	**1**	(untitled)	TC771-6	TC777-1	A	377	1900	97	9.00	24	275	5.19	2.29	14.90	1.75	100	100	0.00	4.10
TC36	**1**	(untitled)	TC771-6			196	1800	120	0.00	11	727	3.15	0.12	0.00	0.01	100	100	0.00	0.09
TC37	**1**	(untitled)	TC771-6	TC777-2	J	34	1850	104	104.00	2	4185	4.21	1.02	12.52	0.14	100	100	0.00	0.29
TC38	**1**	(untitled)	TC771-6			34	240	120	53.00	14	535	6.82	5.28	60.87	2.43	100	100	0.00	1.43
TC39	**2**	(untitled)	TC771-6			1237	2263	120	30.00	55	65	3.50	0.96	0.00	0.33	100	100	0.00	4.68
	3	(untitled)	TC771-6			1337	2263	120	33.00	59	52	3.54	1.15	0.00	0.43	100	100	0.00	6.05
TC40	**2**	(untitled)	TC771-6			1271	Unrestricted	120	15.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC771-6			1337	Unrestricted	120	20.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
TC41	**1**	(untitled)	TC771-6	TC777-1	D	162	1850	12	0.00	81	11	90.01	86.08	118.55	6.54	100	100	0.00	61.69
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			791	1300	120	22.00	61	48	18.18	2.14	0.00	0.47	100	100	0.00	6.69
48	**1**	(untitled)	2			1449	1965	120	0.00	74	22	9.17	2.55	0.00	1.03	100	100	0.00	14.60
49	**1**	(untitled)	TC 771-6			581 <	1900	120	108.24	312	-71	1238.59	1235.44	719.07	203.76 +	100	100	0.00	2848.07
	2	(untitled)	TC 771-6			581	1900	120	0.00	31	194	3.57	0.42	0.00	0.07	100	100	0.00	0.96
50	**1**	(untitled)	1			1777 <	1900	120	20.83	113	-20	226.75	220.97	287.53	132.77 +	100	100	0.00	1605.46
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**		5			185	1800	120	56.00	10	777	4.40	0.11	0.00	0.01	100	100	0.00	0.08
53	**1**		5	771-2	A	185	1800	22	3.46	55	65	35.69	22.81	1009.7	3.23	100	500	0.00	28.30

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	64	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3	770-1	C	0	11000	64	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	80	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	J	0	11000	80	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	**1**	(untitled)	4	770-3	I	0	11000	80	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	I	0	11000	80	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	70	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	70	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	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

	2	(untitled)	2	769-2	J	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
10	**1**	(untitled)	2	769-2	K	0	11000	46	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	K	0	11000	46	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	**1**	(untitled)		769-2	H	0	11000	50	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	50	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	**1**	(untitled)	2	769-2	I	0	11000	48	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	48	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
13	**1**	(untitled)		TC777-1	I	0	11000	12	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	I	0	11000	12	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
14	**1**	(untitled)		TC777-1	F	0	11000	98	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	F	0	11000	98	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	10	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	H	0	11000	10	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	6762.34	945.47	7.15	764.03	8769.87	1269.67	457.72	10497.26
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	6762.34	945.47	7.15	764.03	8769.87	1269.67	457.72	10497.26

- *< = 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+C_2019+Com+CP+Dev_05.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Option A+C
Report generation date: 24/01/2021 15:26:17

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+CP+Dev - PM 2019+Com+CP+Dev					
Network	A16 D16	60	14686.81	982.29	442% (TS TC36/1)	14 (9%)

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

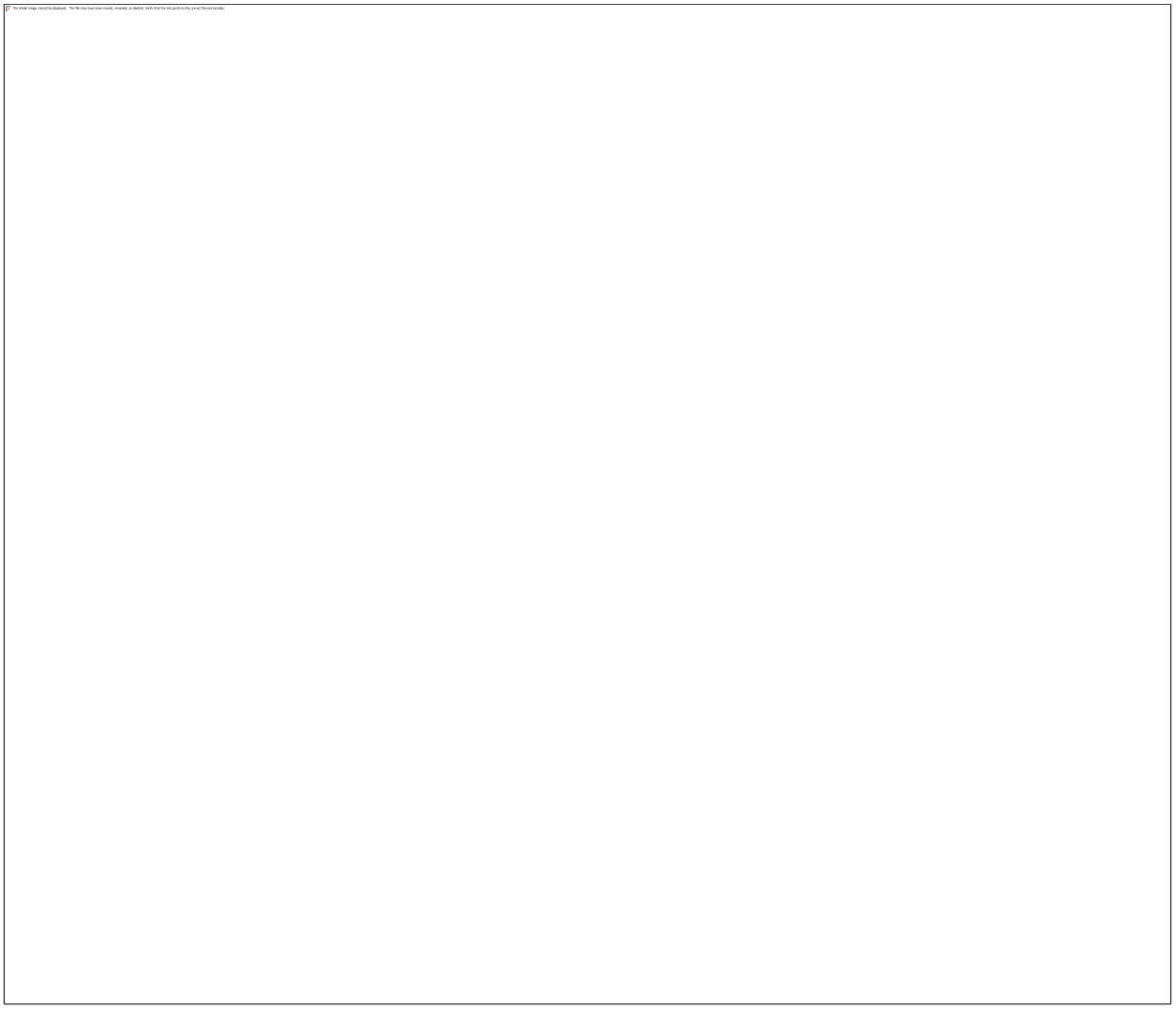
Sorting

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+CP+Dev
D16 - PM 2019+Com+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 15:25:27	24/01/2021 15:25:35	8.96	16:30	60	14686.81	982.29	442.42	TC36/1	14	9	TC5/4	TC36/1	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+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+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			5
53			5

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	✓	73.98	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.16	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	77.64	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	79.12	✓	Directly entered	2050		2050	✓		Normal	
Ac	**1**	(untitled)	M62E	✓	95.60	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Wake	✓	92.09	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.52	✓	Directly entered	2263		2263	✓		Normal	
Acf	**1**	(untitled)		✓	69.20	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	70.11	✓	Directly entered	2263		2263			Normal	
Af	**1**	(untitled)	M62E/Wake	✓	53.70	✓	Directly entered	2050		2050			Normal	
	2	(untitled)	Dews	✓	53.35	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	53.16	✓	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)		✓	60.55	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)		✓	63.28	✓	Directly entered	2263		2050	✓		Normal	
	3	(untitled)		✓	63.30	✓	Directly entered	2263		2050	✓		Normal	
	4	(untitled)		✓	63.32	✓	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	✓	183.21	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Leeds	✓	181.45	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	M62E/Dews	✓	180.28	✓	Directly entered	2263		2263	✓		Normal	
Ff	**1**	(untitled)		✓	275.73	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	275.39	✓	Sum of lanes	1900		1900			Normal	
G	**1**	(untitled)		✓	155.36	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)		✓	151.80	✓	Directly entered	2050		2050	✓		Normal	
Gf	**1**	(untitled)		✓	40.48	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	40.06	✓	Directly entered	2050		2050			Normal	
xA	**1**	(untitled)		✓	229.66	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	229.97	✓	Directly entered	2263		2263			Normal	
xB	**1**	(untitled)		✓	77.15								Normal	
xC	**1**	(untitled)		✓	115.60	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	115.98	✓	Sum of lanes	1900		1900			Normal	
xD	**1**	(untitled)		✓	121.44								Normal	
	2	(untitled)		✓	122.12								Normal	
xE	**1**	(untitled)		✓	173.89								Normal	
	2	(untitled)		✓	173.83								Normal	
xF	**1**	(untitled)		✓	162.53								Normal	
Cc1	**1**	(untitled)	Wake	✓	95.84	✓	Directly entered	2050		2050	✓		Normal	
E1	**1**	(untitled)	M62W/Leeds		80.00	✓	Directly entered	2050		1900	✓		Normal	
	2	(untitled)	Leeds/M62E		80.00	✓	Directly entered	2200		2100	✓		Normal	
Gf1	**1**	(untitled)		✓	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**			✓	35.74	✓	Sum of lanes	1800					Normal	
53	**1**			✓	107.36	✓	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
53	1	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	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	500	100	100		0.00	✓	10.50	9999.00				
	2	CTM	500	100	100		0.00	✓	10.50	9999.00				
	3	CTM	500	100	100		0.00	✓	10.50	9999.00				
	4	CTM	500	100	100		0.00	✓	10.50	9999.00				
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	NetworkDefault	100	100	100		0.00							
53	1	NetworkDefault	500	100	100		0.00	✓	22.00	9999.00				

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	621	621
	3	622	622
	4	609	609
Ac	1	691	691
	2	442	442
	3	329	329
Acf	1	1133	1133
	2	329	329
Af	1	1468	1468
	2	622	622
	3	609	609
B	1	381	381
	2	313	313
	3	299	299
	4	320	320
Bc	1	1063	1063
	2	935	935
	3	625	625
Bcf	1	1668	1668
	2	1063	1063
	3	935	935
	4	625	625
Bf	1	694	694
	2	619	619
C	1	89	89
	2	613	613
	3	263	263
Cf	1	577	577
	2	388	388
D	1	385	385
	2	232	232
	3	333	333
	4	353	353
Dc	1	710	710
	2	822	822
	3	400	400
	4	441	441
Dcf	1	907	907
	2	998	998
	3	710	710
	4	822	822
	5	400	400
	6	441	441
Df	1	617	617
	2	686	686
Dxp	1	907	907
	2	998	998
Ec	1	694	694
	2	632	632
	3	651	651
	4	331	331
Ecf	1	801	801

	2	1116	1116
	3	632	632
	4	651	651
	5	477	477
Ef	**1**	771	771
	2	551	551
Exp	**1**	801	801
	2	422	422
F	**1**	211	211
	2	365	365
	3	328	328
Fc	**1**	762	762
	2	790	790
	3	733	733
Ff	**1**	576	576
	2	328	328
G	**1**	342	342
	2	354	354
Gf	**1**	287	287
	2	264	264
xA	**1**	827	827
	2	770	770
xB	**1**	1668	1668
xC	**1**	679	679
	2	640	640
xD	**1**	907	907
	2	998	998
xE	**1**	801	801
	2	422	422
xF	**1**	794	794
Cc1	**1**	622	622
E1	**1**	370	370
	2	401	401
Gf1	**1**	146	146
Cc2	**2**	822	822
	3	423	423
	4	994	994
	5	651	651
	6	424	424
E2	**3**	287	287
	4	264	264
TC5	**2**	655	655
	3	770	770
	4	0	0
TC9	**1**	1262	1262
	2	622	622
	3	487	487
TC35	**1**	172	172
TC36	**1**	401	401
TC37	**1**	73	73
TC38	**1**	73	73
TC39	**2**	655	655
	3	770	770
TC40	**2**	728	728
	3	770	770

TC41	**1**	328	328
TC42	**1**	0	0
TC43	**1**	0	0
47	**1**	1319	1319
48	**1**	965	965
49	**1**	1262	1262
	2	1109	1109
50	**1**	1313	1313
51	**1**	904	904
52	**1**	130	130
53	**1**	130	130

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	
Bcf	**1**	769-1	A	
	2	769-1	A	
	3	769-1	A	
	4	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	
53	1	771-2	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	5.55	48.00	✓	Straight	Straight Movement
	2	1	Af/1	A/2	5.71	48.00	✓	Straight	Straight Movement
	3	1	Af/2	A/3	5.82	48.00	✓	Straight	Straight Movement
	4	1	Af/3	A/4	5.93	48.00	✓	Straight	Straight Movement
Ac	1	1	Acf/1	Ac/1	7.17	48.00	✓	Offside	44.58
	2	1	Acf/1	Ac/2	9.47	35.00	✓	Offside	41.96
	3	1	Acf/2	Ac/3	6.56	48.00	✓	Offside	38.65
Acf	1	1	F/2	Acf/1	5.19	48.00	✓	Straight	Straight Movement

	2	**1**	F/3	Acf/2	7.21	35.00	✓	Straight	Straight Movement
Af	**1**	**1**	TC42/1	Af/1	6.44	30.00	✓	Nearside	10.75
	2	**1**	TC42/1	Af/2	6.40	30.00	✓	Nearside	10.75
	3	**1**	TC42/1	Af/3	6.38	30.00	✓	Nearside	10.75
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	4.54	48.00	✓	Nearside	56.01
	2	**1**	A/2	Bcf/2	6.70	34.00	✓	Nearside	59.33
	3	**1**	A/3	Bcf/3	6.70	34.00	✓	Nearside	62.64
	4	**1**	A/4	Bcf/4	6.70	34.00	✓	Nearside	65.95
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	18.84	35.00	✓	Straight	Straight Movement
	2	**1**	Ec/3	Fc/2	18.66	35.00	✓	Straight	Straight Movement
	3	**1**	Ec/4	Fc/3	18.54	35.00	✓	Straight	Straight Movement
Ff	**1**	**1**	51/1	Ff/1	33.09	30.00	✓	Straight	Straight Movement
	2	**1**	51/1	Ff/2	33.05	30.00	✓	Straight	Straight Movement
G	**1**	**1**	Gf/1	G/1	15.98	35.00	✓	Offside	88.54
	2	**1**	Gf/2	G/2	11.38	48.00	✓	Offside	85.22
Gf	**1**	**1**	E2/3	Gf/1	3.04	48.00	✓	Straight	Straight Movement
	2	**1**	E2/4	Gf/2	3.00	48.00	✓	Straight	Straight Movement
xA	**1**	**1**	F/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	**1**	F/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
xB	**1**	**1**	Bcf/1	xB/1	5.79	48.00	✓	Nearside	59.55
xC	**1**	**1**	G/1	xC/1	8.67	48.00	✓	Straight	Straight Movement
	2	**1**	G/2	xC/2	8.70	48.00	✓	Straight	Straight Movement
xD	**1**	**1**	Dxp/1	xD/1	9.11	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	12.19	48.00	✓	Straight	Straight Movement
Cc1	**1**	**1**	B/1	Cc1/1	8.63	40.00	✓	Straight	Straight Movement
E1	**1**	**1**	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	**1**	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96
Gf1	**1**	**1**	Ecf/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**	Fc/3	52/1	4.29	30.00	✓	Offside	5.48
53	**1**	**1**	52/1	53/1	12.88	30.00	✓	Nearside	34.56
Acf	**1**	**2**	Fc/3	Acf/1	5.19	48.00	✓	Straight	Straight Movement
	2	**2**	Fc/3	Acf/2	7.21	35.00	✓	Straight	Straight Movement
Af	**1**	**2**	TC9/1	Af/1	6.44	30.00	✓	Straight	Straight Movement
	2	**2**	TC9/2	Af/2	6.40	30.00	✓	Straight	Straight Movement
	3	**2**	TC9/3	Af/3	6.38	30.00	✓	Straight	Straight Movement
Bcf	**1**	**2**	Ac/1	Bcf/1	3.82	57.00	✓	Straight	Straight Movement
	2	**2**	Ac/2	Bcf/2	4.00	57.00	✓	Straight	Straight Movement
	3	**2**	Ac/3	Bcf/3	4.00	57.00	✓	Straight	Straight Movement
	4	**2**	Ac/3	Bcf/4	4.00	57.00	✓	Straight	Straight Movement
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	20.61	32.00	✓	Nearside	58.94
	2	2	E1/1	Fc/2	20.41	32.00	✓	Nearside	60.85
	3	2	E1/2	Fc/3	20.28	32.00	✓	Nearside	64.16
G	1	2	Gf1/1	G/1	15.98	35.00	✓	Offside	17.91
	2	2	Gf1/1	G/2	11.38	48.00	✓	Offside	15.13
xA	1	2	Fc/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	2	Fc/2	xA/2	17.25	48.00	✓	Straight	Straight Movement
xC	1	2	Cc1/1	xC/1	8.67	48.00	✓	Nearside	56.51
	2	2	Cc1/1	xC/2	8.70	48.00	✓	Nearside	57.28
xF	1	2	E1/1	xF/1	12.19	48.00	✓	Nearside	40.67
Cc1	1	2	Bc/1	Cc1/1	6.39	54.00	✓	Straight	Straight Movement
Cc2	2	2	Bc/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
Acf	1	3	Fc/2	Acf/1	5.19	48.00	✓	Straight	Straight Movement
Af	1	3	TC41/1	Af/1	6.44	30.00	✓	Offside	6.23
	2	3	TC41/1	Af/2	6.40	30.00	✓	Offside	6.23
	3	3	TC41/1	Af/3	6.38	30.00	✓	Offside	6.23
Bcf	1	3	53/1	Bcf/1	7.27	30.00	✓	Offside	18.14
Dcf	4	3	Cc2/5	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
xA	2	3	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
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	l1	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	345
	49	l1	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	122
	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	264
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	330
	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	24
	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	622
	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	220
	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	13
	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	1
	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	287
	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	89
	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	14
	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	317
	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	159
	161		B28	E28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	15
	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	2
	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	0
	170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	200
	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	100
	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	314
	179		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	124
	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	0
	184		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	51
	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	59
	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	82
	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	75
	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	309
	200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	35
	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
	205		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	138
	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	313
	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	282
	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	213
	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	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	181
	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	42
	343		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	0
	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	90
	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	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	25
	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	12
	417		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	18
	418		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	333
	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	27
	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	55
	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	16
	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	129

	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	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	18
	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	54
	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	58
	465		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	254
	466		A28	D28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	467		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, 52/1, 53/1, Bcf/1, xB/1	Normal	0
	468		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, 52/1, 53/1, Bcf/1, xB/1	Normal	0
	469		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, 52/1, 53/1, Bcf/1, xB/1	Normal	130
	470		E28	A28	Ef/1, E1/2, Fc/3, 52/1, 53/1, Bcf/1, xB/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	318	2050	11	318	100	-10	206.19	20.04	155.78	211.74
		2	(untitled)	E	233	2050	11	410	57	58	43.73	4.25	32.09	49.44
		3	(untitled)	E	406	2050	11	406	100	-10	167.39	21.20	157.00	173.21
		4	(untitled)	E	346	2050	11	410	84	7	38.92	4.85	35.25	44.85
	Ac	1	(untitled)	D	691	2263	22	867	80	13	29.09	11.34	68.22	36.26
		2	(untitled)	D	442	2263	22	825	54	68	6.44	2.00	12.48	15.91
		3	(untitled)	D	329	2263	22	867	38	137	1.33	0.13	0.87	7.89
	Acf	1	(untitled)		1133	2263	60	2263	50	80	0.80	0.25	2.08	5.99
		2	(untitled)		329	2263	60	2263	15	519	0.14	0.01	0.10	7.35
	Af	1	(untitled)		552	2050	60	552	100	-10	114.88	19.96	213.72	121.33
		2	(untitled)		406	2050	60	406	100	-10	145.45	18.30	197.22	151.85
		3	(untitled)		346	2050	60	2050	17	434	0.18	0.02	0.19	6.56
	B	1	(untitled)	B	381	2050	12	444	86	5	44.81	7.80	47.35	51.91
		2	(untitled)	B	313	2150	12	332	94	-5	79.79	9.11	53.92	87.08
		3	(untitled)	B	298	2100	12	413	72	25	33.04	4.97	28.65	40.52
		4	(untitled)	B	320	2050	12	444	72	25	32.00	5.62	31.53	44.29
	Bc	1	(untitled)	A	675	2050	36	1264	53	68	13.49	8.13	35.20	25.45
		2	(untitled)	A	719	2050	36	1264	57	58	10.60	5.38	23.53	22.43
		3	(untitled)	A	362	2050	36	1264	29	214	1.22	0.29	1.27	12.92
	Bcf	1	(untitled)	A	1139	2263	36	1396	82	10	14.25	11.14	105.75	18.67
		2	(untitled)	A	675	2263	36	1364	50	82	7.50	6.80	61.76	12.43
		3	(untitled)	A	719	2263	36	1396	52	75	6.06	8.73	79.27	11.58
		4	(untitled)	A	362	2263	36	1360	27	238	6.19	5.95	54.01	12.77
	Bf	1	(untitled)		694	1800	60	1800	39	133	0.63	0.12	0.31	27.96
		2	(untitled)		618	1800	60	1800	34	162	0.52	0.09	0.23	27.94
	C	1	(untitled)	G	89	2100	17	630	14	537	15.84	1.46	6.93	30.38
		2	(untitled)	G	614	2200	17	660	93	-3	49.66	14.27	66.87	64.39
		3	(untitled)	G	262	2050	17	615	43	111	19.08	3.51	16.21	34.00
	Cf	1	(untitled)		577	1965	60	1965	29	206	0.38	0.06	0.24	17.73
		2	(untitled)		388	1965	60	1965	20	356	0.23	0.02	0.10	17.73
	D	1	(untitled)	B	385	2050	12	444	87	4	46.33	8.03	83.99	50.45
		2	(untitled)	B	232	1850	12	401	58	55	27.16	3.55	37.13	31.28

		3	(untitled)	B	333	2250	12	488	68	32	29.43	5.49	59.71	33.39
		4	(untitled)	B	353	2250	12	488	72	24	31.30	5.95	61.73	35.46
	Dc	**1**	(untitled)	A	710	2100	38	1365	52	73	4.27	7.62	86.03	10.38
		2	(untitled)	A	604	2100	38	1365	44	104	8.06	5.26	61.83	13.93
		3	(untitled)	A	391	2100	38	1365	29	214	5.38	3.91	47.84	11.02
		4	(untitled)	A	405	2100	38	1365	30	203	2.16	1.51	19.29	7.57
	Dcf	**1**	(untitled)		660	2050	60	2050	32	180	0.42	0.08	0.67	5.32
		2	(untitled)		782	2100	60	2100	37	142	0.51	0.11	0.97	5.40
		3	(untitled)		710	2100	60	2100	34	166	0.44	0.09	0.76	6.48
		4	(untitled)		604	2100	60	2100	29	213	0.35	0.06	0.49	7.58
		5	(untitled)		391	2100	60	2100	19	383	0.20	0.02	0.19	6.27
		6	(untitled)		405	2050	60	2050	20	356	0.22	0.02	0.21	8.16
	Df	**1**	(untitled)		617	1900	60	1900	32	177	0.46	0.08	0.22	24.46
		2	(untitled)		686	2250	60	2250	30	195	0.35	0.07	0.19	24.35
	Dxp	**1**	(untitled)	D	660	2050	43	1503	44	105	1.20	0.43	5.47	4.63
		2	(untitled)	D	782	2050	43	1503	52	73	1.31	1.43	17.04	4.92
	Ec	**1**	(untitled)	F	572	2150	38	1398	41	120	1.13	0.27	3.06	4.89
		2	(untitled)	F	623	2263	38	1471	42	112	4.46	2.87	34.11	8.09
		3	(untitled)	F	650	2263	38	1471	44	104	10.33	6.35	78.08	13.84
		4	(untitled)	F	331	2250	38	1463	23	298	0.50	0.08	1.06	5.92
	Ecf	**1**	(untitled)		801	2100	60	2099	38	136	0.53	4.76	59.53	3.98
		2	(untitled)		898	2100	60	2100	43	111	0.64	0.16	1.98	4.12
		3	(untitled)		623	2263	60	2263	28	227	0.30	0.05	0.64	4.61
		4	(untitled)		650	2300	60	2106	31	192	1.54	3.92	47.42	6.20
		5	(untitled)		441	2300	60	2300	19	369	0.19	0.02	0.27	5.58
	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	801	2050	42	1469	55	65	4.99	5.32	59.07	8.88
		2	(untitled)	L	326	2050	42	1469	22	306	6.08	3.43	36.73	10.11
	F	**1**	(untitled)	B	211	2100	12	455	46	94	23.88	3.07	20.75	30.27
		2	(untitled)	B	365	2100	12	455	80	12	37.53	6.76	45.34	43.96
		3	(untitled)	B	328	2100	12	455	72	25	31.79	5.63	37.11	38.33

Fc	**1**	(untitled)	A	753	2263	38	1471	51	76	6.15	5.30	16.63	25.30
	2	(untitled)	A	790	2263	38	1426	55	62	7.86	10.39	32.94	26.83
	3	(untitled)	A	732	2263	38	1366	54	68	5.83	5.40	17.22	25.32
Ff	**1**	(untitled)		576	1900	60	1900	30	197	0.41	0.07	0.14	33.50
	2	(untitled)		328	1900	60	1900	17	421	0.20	0.02	0.04	33.24
G	**1**	(untitled)	F	338	2050	17	593	57	58	9.66	5.45	20.19	25.64
	2	(untitled)	F	323	2050	17	595	54	66	5.77	7.28	27.57	17.15
Gf	**1**	(untitled)		287	2050	60	2050	14	543	0.14	0.01	0.16	3.18
	2	(untitled)		264	2050	60	2050	13	599	0.13	0.01	0.14	3.13
xA	**1**	(untitled)		818	2263	60	2263	36	149	0.45	0.10	0.26	17.67
	2	(untitled)		769	2263	60	2263	34	165	0.41	0.09	0.22	17.66
xB	**1**	(untitled)		1139	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	**1**	(untitled)		653	1900	60	1019	64	40	8.28	7.56	37.62	16.95
	2	(untitled)		489	1900	60	1182	41	118	4.63	7.12	35.28	13.33
xD	**1**	(untitled)		660	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.11
	2	(untitled)		782	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.16
xE	**1**	(untitled)		801	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		326	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	**1**	(untitled)		672	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
Cc1	**1**	(untitled)	E	481	2050	28	991	49	85	3.07	2.78	16.69	9.69
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)		110	691	60	691	16	465	0.55	0.24	2.89	6.28
Cc2	**2**	(untitled)	D	575	2150	29	1053	55	65	10.52	7.64	48.01	19.93
	3	(untitled)	D	422	2050	29	1025	41	119	3.21	8.39	52.93	13.06
	4	(untitled)	D	778	2150	29	1070	73	24	12.00	6.12	38.95	18.18
	5	(untitled)	D	424	2050	29	973	44	107	9.39	3.32	21.07	16.90
	6	(untitled)	D	388	2050	29	1025	38	138	7.23	8.52	55.61	14.79
E2	**3**	(untitled)	H	287	2150	11	418	69	31	31.54	4.72	50.94	35.53
	4	(untitled)	H	264	2050	11	410	64	40	29.85	4.24	44.87	33.93
TC5	**2**	(untitled)	A	655	2263	41	1622	40	123	2.21	1.59	39.60	4.97
	3	(untitled)	A	769	2263	41	1622	47	90	2.12	1.66	41.53	4.89

		4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	505	1925	42	505	100	-10	161.51	26.70	167.41	172.52
		2	(untitled)	B	406	1966	42	406	100	-10	197.21	25.54	159.28	208.27
		3	(untitled)	B	318	1947	42	1460	22	313	1.95	1.89	11.72	13.07
	TC35	1	(untitled)	A	163	1900	41	1362	12	650	3.96	1.46	34.69	6.86
	TC36	1	(untitled)		401	1800	60	91	442	-80	1398.47	156.81	3574.68	1401.49
	TC37	1	(untitled)	J	17	1850	45	1418	1	7636	0.14	0.03	0.34	3.33
	TC38	1	(untitled)		17	450	60	450	4	2353	1.00	0.04	1.04	2.53
	TC39	2	(untitled)		655	2263	60	2263	29	211	0.32	0.06	0.96	2.86
		3	(untitled)		769	2263	60	2263	34	165	0.41	0.09	1.51	2.81
	TC40	2	(untitled)		672	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		769	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	74	1850	8	74	100	-10	527.93	11.10	116.88	531.86
	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)		1142	1300	60	1300	88	2	9.54	3.03	13.03	25.58
	48	1	(untitled)		965	1965	60	1965	49	83	0.88	0.24	2.47	7.50
	49	1	(untitled)		1262	1900	60	505	250	-64	1087.03	386.91	8477.42	1090.18
		2	(untitled)		1109	1900	60	725	153	-41	635.69	204.95	4490.45	638.84
	50	1	(untitled)		1312	1900	60	1900	69	30	2.10	0.77	9.16	7.88
	51	1	(untitled)		904	1900	60	1900	48	89	0.86	0.22	3.31	5.35
	52	1			130	1800	60	1800	7	1146	0.08	0.00	0.05	4.37
	53	1		A	130	1800	12	255	51	77	39.59	2.16	11.56	52.47

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	50	22	32	1	7
	2	✓	2	B	33	45	12	1	7
769-2	1	✓	4	D,E,H,I	46	6	20	1	1
	2	✓	5	F,G,J,K	20	31	11	1	7
770-1	1	✓	1	A,C	38	14	36	1	5
	2	✓	2	B	21	33	12	1	7
770-2	1	✓	4	D	51	34	43	1	7
	2	✓	5	E	39	44	5	1	5
770-3	1	✓	7	F,I,J	28	1	33	1	2
	2	✓	9	G,H	12	16	4	1	1

770-4	**1**	✓	11	L	14	56	42	1	7
	2	✓	12	M	1	7	6	1	6
771-1	**1**	✓	1	A,C	17	49	32	1	9
	2	✓	3	B	0	12	12	1	7
771-2	**1**	✓	5	D	11	33	22	1	7
	2	✓	6	E	38	49	11	1	7
	3	✓	3	A	54	6	12	1	7
TC777-1	**1**	✓	1	A,B,F	33	14	41	1	7
	2	✓	5	D,H,I	21	27	6	1	6
TC777-2	**1**	✓	1	J	27	12	45	1	7
	2	✓	2	K	17	22	5	1	5

Data Entry - Phase

Phase

Controller Stream	Phase	Phase	Street minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type
769-1	**A**	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	7	300	0	0	Pedestrian
769-2	**D**	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	4	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	5	300	0	0	Pedestrian
	I	I	7	300	0	0	Pedestrian
	J	J	10	300	0	0	Pedestrian
	K	K	5	300	0	0	Pedestrian
770-1	**A**	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	5	300	0	0	Pedestrian
770-2	**D**	D	7	300	0	0	Traffic
	E	E	5	300	0	0	Pedestrian
770-3	**F**	F	7	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	4	300	0	0	Traffic
	I	I	5	300	0	0	Pedestrian
	J	J	5	300	0	0	Pedestrian
	K	K	10	300	0	0	Pedestrian
770-4	**L**	L	7	300	0	0	Traffic
	M	M	6	300	0	0	Pedestrian
771-1	**A**	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	9	300	0	0	Pedestrian
771-2	**A**	A	7	300	0	0	Traffic
	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**	✓	73.98	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	2	✓	76.16	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	3	✓	77.64	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	4	✓	79.12	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Ac	**1**	✓	95.60	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	92.09	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	87.52	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
Acf	**1**	✓	69.20	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	70.11	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Af	**1**	✓	53.70	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	53.35	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	53.16	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**	✓	60.55	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	63.28	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	63.30	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	4	✓	63.32	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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**	✓	183.21	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	181.45	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**	✓	162.53	NetworkDefault	0.00	Normal						100	100
Cc1	**1**	✓	95.84	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E1	**1**		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	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**	✓	35.74	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
53	**1**	✓	107.36	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	500

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	37	0.00	0.00
		2	0	0	37	0.00	0.00
	5	1	0	0	37	0.00	0.00
		2	0	0	37	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	32	0.00	0.00
		2	0	0	32	0.00	0.00
	8	1	0	0	32	0.00	0.00
		2	0	0	32	0.00	0.00
	9	1	0	0	14	0.00	0.00
		2	0	0	14	0.00	0.00
	10	1	0	0	19	0.00	0.00
		2	0	0	19	0.00	0.00
	11	1	0	0	26	0.00	0.00
		2	0	0	26	0.00	0.00
	12	1	0	0	26	0.00	0.00
		2	0	0	26	0.00	0.00
	13	1	0	0	8	0.00	0.00
		2	0	0	8	0.00	0.00
	14	1	0	0	42	0.00	0.00
		2	0	0	42	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	6	0.00	0.00
		2	0	0	6	0.00	0.00
	17	1	0	0	5	0.00	0.00
		2	0	0	5	0.00	0.00

Collections

Point to Point Journey Time

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	190.4	138.0	127.2	134.7	165.8	173.7	181.6	0.0
	B28	173.1	0.0	76.5	128.0	129.6	139.8	146.9	0.0
	C28	171.9	158.7	0.0	95.9	97.3	109.2	127.9	0.0
	D28	150.7	190.3	162.7	0.0	176.7	101.3	109.0	0.0

	E28	166.1	115.8	214.8	91.0	225.5	121.5	129.0	0.0
	F28	2323.3	2203.0	2188.3	2064.8	2065.4	0.0	1411.6	0.0
	G28	1622.9	1285.0	1340.8	795.4	799.5	832.2	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	97.28	526.66	0.00	0.00	0.00	91	97.28	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	345	166.44	690.32	0.00	0.00	0.00	345	166.44	690.32
49	C28	D28	294	95.86	514.00	0.00	0.00	0.00	294	95.86	514.00
50	E28	D28	100	91.00	370.08	0.00	0.00	0.00	100	91.00	370.08
68	E28	G28	122	128.98	737.43	0.00	0.00	0.00	122	128.98	737.43
92	E28	F28	8	121.46	644.57	0.00	0.00	0.00	8	121.46	644.57
100	E28	B28	264	109.03	623.35	0.00	0.00	0.00	264	109.03	623.35
102	A28	C28	330	121.43	694.76	0.00	0.00	0.00	330	121.43	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	138.09	716.08	0.00	0.00	0.00	51	138.09	716.08
110	E28	G28	24	129.03	731.08	0.00	0.00	0.00	24	129.03	731.08
112	F28	G28	73	1411.59	149.60	0.00	0.00	0.00	73	1411.59	149.60
113	F28	A28	118	2323.27	345.23	0.00	0.00	0.00	118	2323.27	345.23
115	B28	C28	4	77.14	556.36	0.00	0.00	0.00	4	77.14	556.36
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
130	G28	C28	622	1245.34	770.11	0.00	0.00	0.00	622	1245.34	770.11
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	220	147.32	1063.74	0.00	0.00	0.00	220	147.32	1063.74
141	B28	F28	12	139.80	970.89	0.00	0.00	0.00	12	139.80	970.89
142	B28	G28	13	147.29	1059.16	0.00	0.00	0.00	13	147.29	1059.16
143	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
144	B28	G28	1	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00
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	173.12	1013.01	0.00	0.00	0.00	17	173.12	1013.01
150	E28	B28	287	121.97	625.89	0.00	0.00	0.00	287	121.97	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	2203.02	750.92	0.00	0.00	0.00	27	2203.02	750.92
154	E28	A28	89	164.72	691.48	0.00	0.00	0.00	89	164.72	691.48
155	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
156	G28	B28	14	850.25	1144.90	0.00	0.00	0.00	14	850.25	1144.90
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	A28	G28	317	181.66	1196.15	0.00	0.00	0.00	317	181.66	1196.15
159	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
160	B28	D28	159	128.07	698.10	0.00	0.00	0.00	159	128.07	698.10
161	B28	E28	15	128.64	713.02	0.00	0.00	0.00	15	128.64	713.02
162	B28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
163	B28	E28	2	128.64	714.28	0.00	0.00	0.00	2	128.64	714.28
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	76.46	553.47	0.00	0.00	0.00	85	76.46	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	1622.86	383.33	0.00	0.00	0.00	729	1622.86	383.33
169	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
170	G28	B28	200	1513.61	789.40	0.00	0.00	0.00	200	1513.61	789.40
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	100	2064.84	871.67	0.00	0.00	0.00	100	2064.84	871.67
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	314	129.63	710.57	0.00	0.00	0.00	314	129.63	710.57
179	B28	E28	124	129.63	711.82	0.00	0.00	0.00	124	129.63	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	2188.30	729.98	0.00	0.00	0.00	61	2188.30	729.98
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	51	173.27	831.10	0.00	0.00	0.00	51	173.27	831.10
185	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
186	A28	C28	59	159.18	699.04	0.00	0.00	0.00	59	159.18	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	82	109.04	744.99	0.00	0.00	0.00	82	109.04	744.99
196	D28	F28	54	101.31	652.14	0.00	0.00	0.00	54	101.31	652.14
197	D28	G28	75	108.88	740.41	0.00	0.00	0.00	75	108.88	740.41
198	D28	A28	5	150.73	701.41	0.00	0.00	0.00	5	150.73	701.41
199	D28	B28	309	190.80	1101.41	0.00	0.00	0.00	309	190.80	1101.41
200	D28	B28	35	185.65	1101.79	0.00	0.00	0.00	35	185.65	1101.79
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
205	A28	E28	138	133.88	857.96	0.00	0.00	0.00	138	133.88	857.96
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	313	162.07	1078.41	0.00	0.00	0.00	313	162.07	1078.41
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	282	136.27	870.70	0.00	0.00	0.00	282	136.27	870.70
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	213	116.75	880.26	0.00	0.00	0.00	213	116.75	880.26
323	C28	F28	19	109.22	787.41	0.00	0.00	0.00	19	109.22	787.41

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	181	167.59	831.86	0.00	0.00	0.00	181	167.59	831.86
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	42	159.13	756.38	0.00	0.00	0.00	42	159.13	756.38
343	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
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	90	844.85	1141.72	0.00	0.00	0.00	90	844.85	1141.72
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	219.16	1154.76	0.00	0.00	0.00	3	219.16	1154.76
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	25	832.18	1180.65	0.00	0.00	0.00	25	832.18	1180.65
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	12	135.02	843.04	0.00	0.00	0.00	12	135.02	843.04
417	A28	E28	18	136.79	855.50	0.00	0.00	0.00	18	136.79	855.50
418	G28	C28	333	1519.32	768.08	0.00	0.00	0.00	333	1519.32	768.08
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	27	214.93	1070.54	0.00	0.00	0.00	27	214.93	1070.54
428	E28	C28	55	214.74	1069.38	0.00	0.00	0.00	55	214.74	1069.38
431	D28	C28	16	174.02	1080.47	0.00	0.00	0.00	16	174.02	1080.47
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	129	795.45	910.75	0.00	0.00	0.00	129	795.45	910.75
452	G28	E28	229	799.55	925.66	0.00	0.00	0.00	229	799.55	925.66
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	225.46	1219.92	0.00	0.00	0.00	1	225.46	1219.92
457	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
458	D28	E28	15	176.70	1232.20	0.00	0.00	0.00	15	176.70	1232.20
459	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
460	F28	E28	22	2065.41	886.59	0.00	0.00	0.00	22	2065.41	886.59
461	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
462	A28	G28	18	181.24	1205.17	0.00	0.00	0.00	18	181.24	1205.17
463	A28	F28	54	173.71	1112.32	0.00	0.00	0.00	54	173.71	1112.32
464	A28	G28	58	181.20	1200.59	0.00	0.00	0.00	58	181.20	1200.59
465	A28	E28	254	185.37	852.36	0.00	0.00	0.00	254	185.37	852.36
466	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
467	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
468	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
469	C28	A28	130	177.36	810.17	0.00	0.00	0.00	130	177.36	810.17
470	E28	A28	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	318 <	2050	11	2.68	100	-10	211.74	206.19	270.58	20.04 +	20	0	0.00	51.80
	2	(untitled)	6	771-2	E	233	2050	11	5.00	57	58	49.44	43.73	109.11	4.25	20	0	0.00	8.05
	3	(untitled)	6	771-2	E	406 <	2050	11	0.10	100	-10	173.21	167.39	250.17	21.20 +	20	0	0.00	53.67
	4	(untitled)	6	771-2	E	346	2050	11	0.00	84	7	44.85	38.92	81.05	4.85	20	0	0.00	10.62
Ac	1	(untitled)	6	771-2	D	691	2263	22	2.00	80	13	36.26	29.09	100.83	11.34	100	500	0.00	191.11

	2	(untitled)	6	771-2	D	442	2263	22	8.13	54	68	15.91	6.44	27.46	2.00	100	500	0.00	21.58
	3	(untitled)	6	771-2	D	329	2263	22	9.00	38	137	7.89	1.33	2.40	0.13	100	500	0.00	2.99
Acf	**1**	(untitled)	6			1133	2263	60	19.00	50	80	5.99	0.80	0.00	0.25	100	100	0.00	3.56
	2	(untitled)	6			329	2263	60	47.00	15	519	7.35	0.14	0.00	0.01	100	100	0.00	0.18
Af	**1**	(untitled)	6			552 <	2050	60	43.85	100	-10	121.33	114.88	186.82	19.96 +	100	100	0.00	262.92
	2	(untitled)	6			406 <	2050	60	48.10	100	-10	151.85	145.45	200.23	18.30 +	100	100	0.00	243.40
	3	(untitled)	6			346	2050	60	24.00	17	434	6.56	0.18	0.00	0.02	100	100	0.00	0.24
B	**1**	(untitled)	1	769-1	B	381	2050	12	0.00	86	5	51.91	44.81	119.35	7.80	20	0	0.00	13.47
	2	(untitled)	1	769-1	B	313	2150	12	3.74	94	-5	87.08	79.79	156.05	9.11	20	0	0.00	19.70
	3	(untitled)	1	769-1	B	298	2100	12	1.21	72	25	40.52	33.04	99.21	4.97	20	0	0.00	7.77
	4	(untitled)	1	769-1	B	320	2050	12	0.00	72	25	44.29	32.00	104.54	5.62	20	0	0.00	8.08
Bc	**1**	(untitled)	1	769-1	A	675	2050	36	16.00	53	68	25.45	13.49	60.84	8.13	100	500	0.00	81.71
	2	(untitled)	1	769-1	A	719	2050	36	15.00	57	58	22.43	10.60	50.43	5.38	100	500	0.00	70.51
	3	(untitled)	1	769-1	A	362	2050	36	25.00	29	214	12.92	1.22	4.76	0.29	100	500	0.00	3.66
Bcf	**1**	(untitled)	1	769-1	A	1139 <	2263	36	4.00	82	10	18.67	14.25	59.32	11.14 +	100	500	837.70	1029.70
	2	(untitled)	1	769-1	A	675	2263	36	16.85	50	82	12.43	7.50	51.99	6.80	100	500	0.00	81.76
	3	(untitled)	1	769-1	A	719	2263	36	16.00	52	75	11.58	6.06	60.82	8.73	100	500	0.00	80.18
	4	(untitled)	1	769-1	A	362	2263	36	17.94	27	238	12.77	6.19	92.24	5.95	100	500	0.00	37.86
Bf	**1**	(untitled)	1			694	1800	60	0.00	39	133	27.96	0.63	0.00	0.12	100	100	0.00	1.72
	2	(untitled)	1			618	1800	60	0.00	34	162	27.94	0.52	0.00	0.09	100	100	0.00	1.27
C	**1**	(untitled)	2	769-2	G	89	2100	17	0.00	14	537	30.38	15.84	70.78	1.46	20	0	0.00	1.11
	2	(untitled)	2	769-2	G	614	2200	17	0.00	93	-3	64.39	49.66	133.89	14.27	20	0	0.00	24.06
	3	(untitled)	2	769-2	G	262	2050	17	0.00	43	111	34.00	19.08	80.23	3.51	20	0	0.00	3.94
Cf	**1**	(untitled)	2			577	1965	60	0.00	29	206	17.73	0.38	0.00	0.06	100	100	0.00	0.87
	2	(untitled)	2			388	1965	60	0.00	20	356	17.73	0.23	0.00	0.02	100	100	0.00	0.34
D	**1**	(untitled)	3	770-1	B	385	2050	12	0.00	87	4	50.45	46.33	121.40	8.03	20	0	0.00	14.07
	2	(untitled)	3	770-1	B	232	1850	12	0.00	58	55	31.28	27.16	91.57	3.55	20	0	0.00	4.97
	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	353	2250	12	0.00	72	24	35.46	31.30	99.92	5.95	20	0	0.00	8.72

Dc	**1**	(untitled)	3	770-1	A	710	2100	38	13.00	52	73	10.38	4.27	55.91	7.62	100	500	0.00	36.84
	2	(untitled)	3	770-1	A	604	2100	38	14.00	44	104	13.93	8.06	53.31	5.26	100	500	0.00	39.35
	3	(untitled)	3	770-1	A	391	2100	38	21.00	29	214	11.02	5.38	59.94	3.91	100	500	0.00	23.00
	4	(untitled)	3	770-1	A	405	2100	38	26.00	30	203	7.57	2.16	13.33	1.51	100	500	0.00	6.84
Dcf	**1**	(untitled)	3			660	2050	60	14.00	32	180	5.32	0.42	0.00	0.08	100	100	0.00	1.09
	2	(untitled)	3			782	2100	60	34.00	37	142	5.40	0.51	0.00	0.11	100	100	0.00	1.57
	3	(untitled)	3			710	2100	60	29.00	34	166	6.48	0.44	0.00	0.09	100	100	0.00	1.23
	4	(untitled)	3			604	2100	60	22.00	29	213	7.58	0.35	0.00	0.06	100	100	0.00	0.82
	5	(untitled)	3			391	2100	60	28.00	19	383	6.27	0.20	0.00	0.02	100	100	0.00	0.30
	6	(untitled)	3			405	2050	60	36.00	20	356	8.16	0.22	0.00	0.02	100	100	0.00	0.35
Df	**1**	(untitled)	3-2			617	1900	60	0.00	32	177	24.46	0.46	0.00	0.08	100	100	0.00	1.11
	2	(untitled)	3-2			686	2250	60	0.00	30	195	24.35	0.35	0.00	0.07	100	100	0.00	0.95
Dxp	**1**	(untitled)	3-2	770-2	D	660	2050	43	3.00	44	105	4.63	1.20	3.86	0.43	100	100	0.00	3.94
	2	(untitled)	3-2	770-2	D	782	2050	43	7.00	52	73	4.92	1.31	4.40	1.43	100	100	0.00	5.14
Ec	**1**	(untitled)	4	770-3	F	572	2150	38	10.00	41	120	4.89	1.13	2.79	0.27	100	500	0.00	5.12
	2	(untitled)	4	770-3	F	623	2263	38	10.00	42	112	8.09	4.46	21.24	2.87	100	500	0.00	32.21
	3	(untitled)	4	770-3	F	650	2263	38	20.00	44	104	13.84	10.33	58.18	6.35	100	500	0.00	87.19
	4	(untitled)	4	770-3	F	331	2250	38	24.00	23	298	5.92	0.50	1.51	0.08	100	500	0.00	0.97
Ecf	**1**	(untitled)	4			801	2100	60	21.04	38	136	3.98	0.53	1.05	4.76	100	100	0.00	1.96
	2	(untitled)	4			898	2100	60	22.00	43	111	4.12	0.64	0.00	0.16	100	100	0.00	2.26
	3	(untitled)	4			623	2263	60	29.00	28	227	4.61	0.30	0.00	0.05	100	100	0.00	0.74
	4	(untitled)	4			650	2300	60	40.07	31	192	6.20	1.54	19.62	3.92	100	100	0.00	6.76
	5	(untitled)	4			441	2300	60	44.00	19	369	5.58	0.19	0.00	0.02	100	100	0.00	0.32
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	801	2050	42	9.00	55	65	8.88	4.99	41.61	5.32	100	100	0.00	26.47
	2	(untitled)	4-2	770-4	L	326	2050	42	27.00	22	306	10.11	6.08	62.54	3.43	100	100	0.00	14.34
F	**1**	(untitled)	5	771-1	B	211	2100	12	0.00	46	94	30.27	23.88	87.22	3.07	20	0	0.00	3.98
	2	(untitled)	5	771-1	B	365	2100	12	0.00	80	12	43.96	37.53	109.17	6.76	20	0	0.00	10.81
	3	(untitled)	5	771-1	B	328	2100	12	0.00	72	25	38.33	31.79	99.14	5.63	20	0	0.00	8.23
Fc	**1**	(untitled)	5	771-1	A	753	2263	38	8.00	51	76	25.30	6.15	38.61	5.30	100	500	0.00	42.39
	2	(untitled)	5	771-1	A	790	2263	38	9.20	55	62	26.83	7.86	50.46	10.39	100	500	0.00	57.52

	3	(untitled)	5	771-1	A	732	2263	38	16.77	54	68	25.32	5.83	36.10	5.40	100	500	0.00	37.34
Ff	**1**	(untitled)	5			576	1900	60	0.00	30	197	33.50	0.41	0.00	0.07	100	100	0.00	0.94
	2	(untitled)	5			328	1900	60	0.00	17	421	33.24	0.20	0.00	0.02	100	100	0.00	0.26
G	**1**	(untitled)	2	769-2	F	338	2050	17	6.66	57	58	25.64	9.66	36.39	5.45	100	500	0.00	23.39
	2	(untitled)	2	769-2	F	323	2050	17	3.59	54	66	17.15	5.77	32.07	7.28	100	500	0.00	23.96
Gf	**1**	(untitled)	4			287	2050	60	48.00	14	543	3.18	0.14	0.00	0.01	100	100	0.00	0.16
	2	(untitled)	4			264	2050	60	48.00	13	599	3.13	0.13	0.00	0.01	100	100	0.00	0.14
xA	**1**	(untitled)	10			818	2263	60	16.00	36	149	17.67	0.45	0.00	0.10	100	100	0.00	1.45
	2	(untitled)	10			769	2263	60	16.00	34	165	17.66	0.41	0.00	0.09	100	100	0.00	1.24
xB	**1**	(untitled)				1139	Unrestricted	60	16.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	**1**	(untitled)				653	1900	60	36.83	64	40	16.95	8.28	67.35	7.56	100	100	0.00	35.45
	2	(untitled)				489	1900	60	31.67	41	118	13.33	4.63	49.33	7.12	100	100	0.00	16.68
xD	**1**	(untitled)				660	Unrestricted	60	12.00	0	Unrestricted	9.11	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				782	Unrestricted	60	18.00	0	Unrestricted	9.16	0.00	0.00	0.00	100	100	0.00	0.00
xE	**1**	(untitled)				801	Unrestricted	60	3.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				326	Unrestricted	60	23.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	**1**	(untitled)				672	Unrestricted	60	0.00	0	Unrestricted	12.19	0.00	0.00	0.00	100	100	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	481	2050	28	8.00	49	85	9.69	3.07	12.90	2.78	100	100	0.00	8.22
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			110	691	60	27.00	16	465	6.28	0.55	2.58	0.24	100	100	0.00	0.27
Cc2	**2**	(untitled)	2	769-2	D	575	2150	29	2.60	55	65	19.93	10.52	71.80	7.64	100	500	0.00	61.31
	3	(untitled)	2	769-2	D	422	2050	29	17.00	41	119	13.06	3.21	53.24	8.39	100	500	0.00	23.79
	4	(untitled)	2	769-2	D	778	2150	29	6.14	73	24	18.18	12.00	37.94	6.12	100	500	0.00	94.78
	5	(untitled)	2	769-2	D	424	2050	29	15.53	44	107	16.90	9.39	44.60	3.32	100	500	0.00	45.95
	6	(untitled)	2	769-2	D	388	2050	29	13.00	38	138	14.79	7.23	75.61	8.52	100	500	0.00	48.47
E2	**3**	(untitled)	4	770-3	H	287	2150	11	0.33	69	31	35.53	31.54	98.10	4.72	20	0	0.00	7.14
	4	(untitled)	4	770-3	H	264	2050	11	0.00	64	40	33.93	29.85	95.93	4.24	20	0	0.00	6.22
TC5	**2**	(untitled)	TC771-6	TC777-1	A	655	2263	41	9.00	40	123	4.97	2.21	13.77	1.59	100	100	0.00	6.84
	3	(untitled)	TC771-6	TC777-1	A	769	2263	41	10.00	47	90	4.89	2.12	11.41	1.66	100	100	0.00	7.54

	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	505 <	1925	42	29.26	100	-10	172.52	161.51	271.63	26.70 +	100	100	0.00	339.00
	2	(untitled)	TC771-6	TC777-1	B	406 <	1966	42	32.59	100	-10	208.27	197.21	321.15	25.54 +	100	100	0.00	332.55
	3	(untitled)	TC771-6	TC777-1	B	318	1947	42	16.00	22	313	13.07	1.95	33.29	1.89	100	100	0.00	3.77
TC35	1	(untitled)	TC771-6	TC777-1	A	163	1900	41	24.00	12	650	6.86	3.96	33.36	1.46	100	100	0.00	3.23
TC36	1	(untitled)	TC771-6			401 <	1800	60	56.98	442	-80	1401.49	1398.47	982.43	156.81 +	100	100	0.00	2223.15
TC37	1	(untitled)	TC771-6	TC777-2	J	17	1850	45	38.00	1	7636	3.33	0.14	9.47	0.03	100	100	0.00	0.06
TC38	1	(untitled)	TC771-6			17	450	60	42.00	4	2353	2.53	1.00	25.77	0.04	100	100	0.00	0.21
TC39	2	(untitled)	TC771-6			655	2263	60	26.00	29	211	2.86	0.32	0.00	0.06	100	100	0.00	0.84
	3	(untitled)	TC771-6			769	2263	60	27.00	34	165	2.81	0.41	0.00	0.09	100	100	0.00	1.24
TC40	2	(untitled)	TC771-6			672	Unrestricted	60	8.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC771-6			769	Unrestricted	60	16.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
TC41	1	(untitled)	TC771-6	TC777-1	D	74 <	1850	8	6.60	100	-10	531.86	527.93	278.20	11.10 +	100	100	0.00	161.57
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			1142	1300	60	6.00	88	2	25.58	9.54	0.00	3.03	100	100	0.00	43.00
48	1	(untitled)	2			965	1965	60	0.00	49	83	7.50	0.88	0.00	0.24	100	100	0.00	3.36
49	1	(untitled)	TC771-6			1262 <	1900	60	44.05	250	-64	1090.18	1087.03	597.60	386.91 +	100	100	0.00	5448.95
	2	(untitled)	TC771-6			1109 <	1900	60	37.11	153	-41	638.84	635.69	402.34	204.95 +	100	100	0.00	2817.31
50	1	(untitled)	1			1312	1900	60	0.00	69	30	7.88	2.10	0.00	0.77	100	100	0.00	10.89
51	1	(untitled)	4-2			904	1900	60	0.00	48	89	5.35	0.86	0.00	0.22	100	100	0.00	3.06
52	1		5			130	1800	60	43.00	7	1146	4.37	0.08	0.00	0.00	100	100	0.00	0.04
53	1		5	771-2	A	130	1800	12	4.49	51	77	52.47	39.59	99.22	2.16	100	500	0.00	28.39

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	37	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	J	0	11000	37	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	1	(untitled)	4	770-3	I	0	11000	37	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	I	0	11000	37	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	32	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	32	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
8	1	(untitled)	1	769-1	C	0	11000	32	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	1	769-1	C	0	11000	32	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
9	1	(untitled)	2	769-2	J	0	11000	14	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	J	0	11000	14	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
10	1	(untitled)	2	769-2	K	0	11000	19	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	K	0	11000	19	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	1	(untitled)		769-2	H	0	11000	26	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	26	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	1	(untitled)	2	769-2	I	0	11000	26	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	26	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
13	1	(untitled)		TC777-1	I	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	I	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
14	1	(untitled)		TC777-1	F	0	11000	42	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	F	0	11000	42	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	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	H	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
17	**1**	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

Network Results

	Distance travelled (PCU-km/hr)	**Time spent (PCU-hr/hr)**	**Mean journey speed (kph)**	**Total delay (PCU-hr/hr)**	**Weighted cost of delay (£ per hr)**	**Weighted cost of stops (£ per hr)**	**Excess queue penalty (£ per hr)**	**Performance Index (£ per hr)**
Normal traffic	5719.94	1134.47	5.04	982.29	12713.01	1136.10	837.70	14686.81
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	5719.94	1134.47	5.04	982.29	12713.01	1136.10	837.70	14686.81

- *< = 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+C_2032+Com+CP+Dev_05.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Option A+C
Report generation date: 24/01/2021 15:44:18

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+CP+Dev - AM 2032+Com+CP+Dev					
Network	A15 D15	120	17230.99	1203.52	166% (TS 49/1)	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

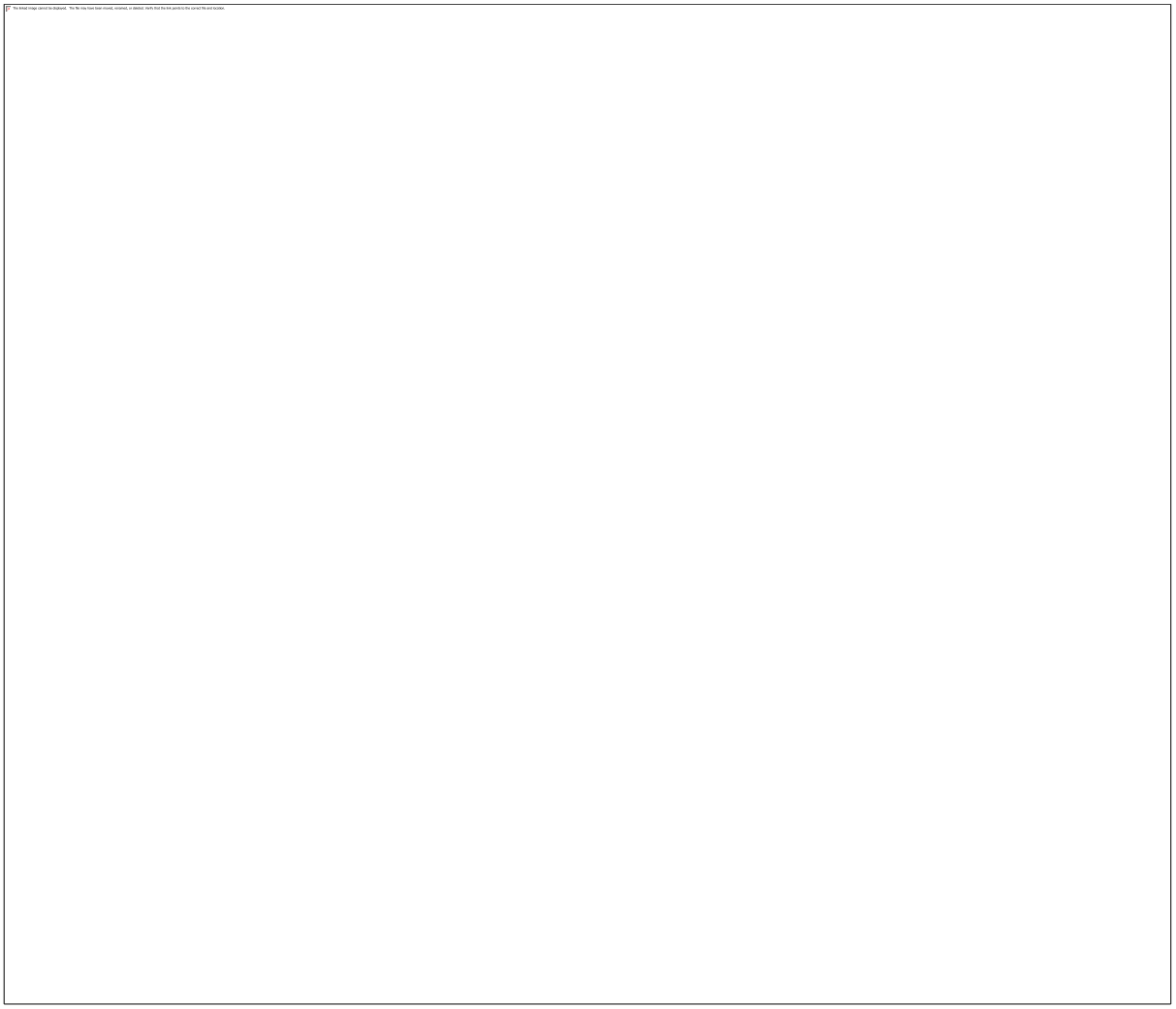
Sorting

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+CP+Dev
D15 - AM 2032+Com+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 15:41:05	24/01/2021 15:41:17	12.89	07:30	120	17230.99	1203.52	165.81	49/1	25	16	TC42/1	49/1	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+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+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	72		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			5
53			5

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	✓	73.98	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.16	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	77.64	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	79.12	✓	Directly entered	2050		2050	✓		Normal	
Ac	1	(untitled)	M62E	✓	95.60	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Wake	✓	92.09	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.52	✓	Directly entered	2263		2263	✓		Normal	
Acf	1	(untitled)		✓	69.20	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	70.11	✓	Directly entered	2263		2263			Normal	
Af	1	(untitled)	M62E/Wake	✓	53.70	✓	Directly entered	2050		2050			Normal	
	2	(untitled)	Dews	✓	53.35	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	53.16	✓	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)		✓	60.55	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)		✓	63.28	✓	Directly entered	2263		2050	✓		Normal	
	3	(untitled)		✓	63.30	✓	Directly entered	2263		2050	✓		Normal	
	4	(untitled)		✓	63.32	✓	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	✓	183.21	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Leeds	✓	181.45	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	M62E/Dews	✓	180.28	✓	Directly entered	2263		2263	✓		Normal	
Ff	**1**	(untitled)		✓	275.73	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	275.39	✓	Sum of lanes	1900		1900			Normal	
G	**1**	(untitled)		✓	155.36	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)		✓	151.80	✓	Directly entered	2050		2050	✓		Normal	
Gf	**1**	(untitled)		✓	40.48	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	40.06	✓	Directly entered	2050		2050			Normal	
xA	**1**	(untitled)		✓	229.66	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	229.97	✓	Directly entered	2263		2263			Normal	
xB	**1**	(untitled)		✓	77.15								Normal	
xC	**1**	(untitled)		✓	115.60	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	115.98	✓	Sum of lanes	1900		1900			Normal	
xD	**1**	(untitled)		✓	121.44								Normal	
	2	(untitled)		✓	122.12								Normal	
xE	**1**	(untitled)		✓	173.89								Normal	
	2	(untitled)		✓	173.83								Normal	
xF	**1**	(untitled)		✓	162.53								Normal	
Cc1	**1**	(untitled)	Wake	✓	95.84	✓	Directly entered	2050		2050	✓		Normal	
E1	**1**	(untitled)	M62W/Leeds		80.00	✓	Directly entered	2050		1900	✓		Normal	
	2	(untitled)	Leeds/M62E		80.00	✓	Directly entered	2200		2100	✓		Normal	
Gf1	**1**	(untitled)		✓	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			✓	35.74	✓	Sum of lanes	1800					Normal	
53	1			✓	107.36	✓	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
53	1	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	500	100	100		0.00	✓	10.50	9999.00				
	2	CTM	500	100	100		0.00	✓	10.50	9999.00				
	3	CTM	500	100	100		0.00	✓	10.50	9999.00				
	4	CTM	500	100	100		0.00	✓	10.50	9999.00				
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**	NetworkDefault	100	100	100		0.00							
53	**1**	NetworkDefault	500	100	100		0.00	✓	22.00	9999.00				

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	328	328

	3	395	395
	4	321	321
Ac	**1**	956	956
	2	388	388
	3	249	249
Acf	**1**	1344	1344
	2	249	249
Af	**1**	759	759
	2	395	395
	3	321	321
B	**1**	461	461
	2	509	509
	3	515	515
	4	532	532
Bc	**1**	716	716
	2	523	523
	3	442	442
Bcf	**1**	1651	1651
	2	716	716
	3	523	523
	4	442	442
Bf	**1**	970	970
	2	1047	1047
C	**1**	115	115
	2	921	921
	3	617	617
Cf	**1**	886	886
	2	767	767
D	**1**	548	548
	2	550	550
	3	672	672
	4	682	682
Dc	**1**	921	921
	2	971	971
	3	906	906
	4	943	943
Dcf	**1**	960	960
	2	327	327
	3	921	921
	4	971	971
	5	906	906
	6	943	943
Df	**1**	1098	1098
	2	1354	1354
Dxp	**1**	960	960
	2	327	327
Ec	**1**	854	854
	2	1457	1457
	3	1453	1453
	4	677	677
Ecf	**1**	1103	1103
	2	1337	1337
	3	1457	1457
	4	1453	1453
	5	843	843

Ef	**1**	935	935
	2	521	521
Exp	**1**	1103	1103
	2	483	483
F	**1**	360	360
	2	391	391
	3	165	165
Fc	**1**	1645	1645
	2	1645	1645
	3	1175	1175
Ff	**1**	751	751
	2	165	165
G	**1**	333	333
	2	354	354
Gf	**1**	269	269
	2	252	252
xA	**1**	1908	1908
	2	1615	1615
xB	**1**	1651	1651
xC	**1**	529	529
	2	480	480
xD	**1**	960	960
	2	327	327
xE	**1**	1103	1103
	2	483	483
xF	**1**	912	912
Cc1	**1**	322	322
E1	**1**	437	437
	2	498	498
Gf1	**1**	166	166
Cc2	**2**	854	854
	3	714	714
	4	318	318
	5	836	836
	6	653	653
E2	**3**	269	269
	4	252	252
TC5	**2**	1480	1480
	3	1615	1615
	4	0	0
TC9	**1**	662	662
	2	342	342
	3	304	304
TC35	**1**	428	428
TC36	**1**	201	201
TC37	**1**	35	35
TC38	**1**	35	35
TC39	**2**	1480	1480
	3	1615	1615
TC40	**2**	1515	1515
	3	1615	1615
TC41	**1**	166	166
TC42	**1**	0	0
TC43	**1**	0	0
47	**1**	1009	1009

48	**1**	1653	1653
49	**1**	662	662
	2	646	646
50	**1**	2017	2017
51	**1**	916	916
52	**1**	264	264
53	**1**	264	264

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	
Bcf	**1**	769-1	A	
	2	769-1	A	
	3	769-1	A	
	4	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	
53	**1**	771-2	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	5.55	48.00	✓	Straight	Straight Movement
	2	**1**	Af/1	A/2	5.71	48.00	✓	Straight	Straight Movement
	3	**1**	Af/2	A/3	5.82	48.00	✓	Straight	Straight Movement
	4	**1**	Af/3	A/4	5.93	48.00	✓	Straight	Straight Movement
Ac	**1**	**1**	Acf/1	Ac/1	7.17	48.00	✓	Offside	44.58
	2	**1**	Acf/1	Ac/2	9.47	35.00	✓	Offside	41.96
	3	**1**	Acf/2	Ac/3	6.56	48.00	✓	Offside	38.65
Acf	**1**	**1**	F/2	Acf/1	5.19	48.00	✓	Straight	Straight Movement
	2	**1**	F/3	Acf/2	7.21	35.00	✓	Straight	Straight Movement
Af	**1**	**1**	TC42/1	Af/1	6.44	30.00	✓	Nearside	10.75
	2	**1**	TC42/1	Af/2	6.40	30.00	✓	Nearside	10.75

	3	**1**	TC42/1	Af/3	6.38	30.00	✓	Nearside	10.75
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	4.54	48.00	✓	Nearside	56.01
	2	**1**	A/2	Bcf/2	6.70	34.00	✓	Nearside	59.33
	3	**1**	A/3	Bcf/3	6.70	34.00	✓	Nearside	62.64
	4	**1**	A/4	Bcf/4	6.70	34.00	✓	Nearside	65.95
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	18.84	35.00	✓	Straight	Straight Movement
	2	**1**	Ec/3	Fc/2	18.66	35.00	✓	Straight	Straight Movement
	3	**1**	Ec/4	Fc/3	18.54	35.00	✓	Straight	Straight Movement
Ff	**1**	**1**	51/1	Ff/1	33.09	30.00	✓	Straight	Straight Movement
	2	**1**	51/1	Ff/2	33.05	30.00	✓	Straight	Straight Movement
G	**1**	**1**	Gf/1	G/1	15.98	35.00	✓	Offside	88.54
	2	**1**	Gf/2	G/2	11.38	48.00	✓	Offside	85.22
Gf	**1**	**1**	E2/3	Gf/1	3.04	48.00	✓	Straight	Straight Movement
	2	**1**	E2/4	Gf/2	3.00	48.00	✓	Straight	Straight Movement
xA	**1**	**1**	F/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	**1**	F/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
xB	**1**	**1**	Bcf/1	xB/1	5.79	48.00	✓	Nearside	59.55
xC	**1**	**1**	G/1	xC/1	8.67	48.00	✓	Straight	Straight Movement
	2	**1**	G/2	xC/2	8.70	48.00	✓	Straight	Straight Movement
xD	**1**	**1**	Dxp/1	xD/1	9.11	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	12.19	48.00	✓	Straight	Straight Movement
Cc1	**1**	**1**	B/1	Cc1/1	8.63	40.00	✓	Straight	Straight Movement
E1	**1**	**1**	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	**1**	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96
Gf1	**1**	**1**	Ecf/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**	Fc/3	52/1	4.29	30.00	✓	Offside	5.48
53	**1**	**1**	52/1	53/1	12.88	30.00	✓	Nearside	34.56
Acf	**1**	**2**	Fc/3	Acf/1	5.19	48.00	✓	Straight	Straight Movement
	2	**2**	Fc/3	Acf/2	7.21	35.00	✓	Straight	Straight Movement
Af	**1**	**2**	TC9/1	Af/1	6.44	30.00	✓	Straight	Straight Movement
	2	**2**	TC9/2	Af/2	6.40	30.00	✓	Straight	Straight Movement
	3	**2**	TC9/3	Af/3	6.38	30.00	✓	Straight	Straight Movement
Bcf	**1**	**2**	Ac/1	Bcf/1	3.82	57.00	✓	Straight	Straight Movement
	2	**2**	Ac/2	Bcf/2	4.00	57.00	✓	Straight	Straight Movement
	3	**2**	Ac/3	Bcf/3	4.00	57.00	✓	Straight	Straight Movement
	4	**2**	Ac/3	Bcf/4	4.00	57.00	✓	Straight	Straight Movement
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	20.61	32.00	✓	Nearside	58.94
	2	**2**	E1/1	Fc/2	20.41	32.00	✓	Nearside	60.85
	3	**2**	E1/2	Fc/3	20.28	32.00	✓	Nearside	64.16
G	**1**	**2**	Gf1/1	G/1	15.98	35.00	✓	Offside	17.91
	2	**2**	Gf1/1	G/2	11.38	48.00	✓	Offside	15.13
xA	**1**	**2**	Fc/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	**2**	Fc/2	xA/2	17.25	48.00	✓	Straight	Straight Movement
xC	**1**	**2**	Cc1/1	xC/1	8.67	48.00	✓	Nearside	56.51
	2	**2**	Cc1/1	xC/2	8.70	48.00	✓	Nearside	57.28
xF	**1**	**2**	E1/1	xF/1	12.19	48.00	✓	Nearside	40.67
Cc1	**1**	**2**	Bc/1	Cc1/1	6.39	54.00	✓	Straight	Straight Movement
Cc2	**2**	**2**	Bc/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
Acf	**1**	**3**	Fc/2	Acf/1	5.19	48.00	✓	Straight	Straight Movement
Af	**1**	**3**	TC41/1	Af/1	6.44	30.00	✓	Offside	6.23
	2	**3**	TC41/1	Af/2	6.40	30.00	✓	Offside	6.23
	3	**3**	TC41/1	Af/3	6.38	30.00	✓	Offside	6.23
Bcf	**1**	**3**	53/1	Bcf/1	7.27	30.00	✓	Offside	18.14
Dcf	**4**	**3**	Cc2/5	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
xA	**2**	**3**	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
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	I1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	182
	36		C28	E28	Df/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	0
	41		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	377
	49	I1	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	148
	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	252
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	406
	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	25
	110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	65
	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	223
	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	235
	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	53
	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	250
	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	269
	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	126
	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	532
	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	328
	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	39
	170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	101
	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	17
	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	149
	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	7
	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	30
	186		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	10
	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	35
	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	113
	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	44
	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	5
	205		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	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	0
	317		C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	672
	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	462
	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	44
	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	410
	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	10
	343		C28	B28	Df/2, D/4, Ecf/5, Gf1/1, G/2, xC/2, 47/1	Normal	35
	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	54
	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	67
	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	64
	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	157
	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	84
	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	44
	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	96
	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	144
	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	0
	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	0
	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	384
	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	131
	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	490
	466		A28	D28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	2
	467		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, 52/1, 53/1, Bcf/1, xB/1	Normal	0
	468		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, 52/1, 53/1, Bcf/1, xB/1	Normal	0
	469		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, 52/1, 53/1, Bcf/1, xB/1	Normal	227
	470		E28	A28	Ef/1, E1/2, Fc/3, 52/1, 53/1, Bcf/1, xB/1	Normal	37

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	275	2050	20	275	100	-10	233.57	19.42	150.93	239.12
		2	(untitled)	E	205	2050	20	376	55	65	43.63	4.06	30.62	49.35
		3	(untitled)	E	374	2050	20	374	100	-10	179.69	20.79	153.97	185.51
		4	(untitled)	E	318	2050	20	376	85	6	43.74	7.33	53.26	49.68

Ac	**1**	(untitled)	D	743	2263	50	981	76	19	18.94	13.17	79.23	26.11
	2	(untitled)	D	382	2263	50	942	41	122	12.40	7.09	44.30	21.87
	3	(untitled)	D	226	2263	50	981	23	290	8.93	2.82	18.54	15.49
Acf	**1**	(untitled)		1125	2263	120	2263	50	81	0.79	0.25	2.04	5.98
	2	(untitled)		226	2263	120	2263	10	801	0.09	0.01	0.05	7.30
Af	**1**	(untitled)		480	2050	120	480	100	-10	120.30	19.18	205.32	126.74
	2	(untitled)		385	2050	120	374	103	-13	156.69	20.45	220.39	163.10
	3	(untitled)		318	2050	120	2050	16	480	0.16	0.01	0.15	6.54
B	**1**	(untitled)	B	326	2050	20	376	87	4	48.44	7.22	43.83	55.54
	2	(untitled)	B	360	2150	20	384	94	-4	68.19	9.82	58.10	75.48
	3	(untitled)	B	364	2100	20	377	97	-7	92.93	12.45	71.82	100.41
	4	(untitled)	B	376	2050	20	376	100	-10	219.79	26.61	149.39	232.08
Bc	**1**	(untitled)	A	587	2050	76	1333	44	104	13.51	7.98	34.53	25.46
	2	(untitled)	A	479	2050	76	1333	36	150	3.98	2.11	9.21	15.82
	3	(untitled)	A	439	2050	76	1333	33	173	6.34	2.30	10.15	18.05
Bcf	**1**	(untitled)	A	1230	2263	76	1471	84	8	13.56	11.44	108.65	18.14
	2	(untitled)	A	587	2263	76	1451	40	123	1.89	4.84	44.02	6.83
	3	(untitled)	A	479	2263	76	1471	33	176	3.37	8.02	72.87	9.48
	4	(untitled)	A	439	2263	76	1441	30	195	1.97	7.87	71.47	7.93
Bf	**1**	(untitled)		685	1800	120	1800	38	136	0.61	0.12	0.30	27.95
	2	(untitled)		740	1800	120	774	96	-6	138.57	46.18	116.23	165.98
C	**1**	(untitled)	G	115	2100	52	945	12	640	9.88	1.46	6.92	24.41
	2	(untitled)	G	921	2200	52	990	93	-3	36.63	18.85	88.30	51.35
	3	(untitled)	G	617	2050	52	923	67	35	17.17	8.24	38.12	32.10
Cf	**1**	(untitled)		886	1965	120	1965	45	100	0.75	0.18	0.74	18.10
	2	(untitled)		767	1965	120	1965	39	131	0.59	0.12	0.49	18.09
D	**1**	(untitled)	B	460	2050	28	513	90	0	60.56	10.35	108.22	64.68
	2	(untitled)	B	463	1850	28	463	100	-10	133.00	19.55	204.39	137.13
	3	(untitled)	B	547	2250	28	563	97	-8	83.25	15.01	163.23	87.22
	4	(untitled)	B	556	2250	28	563	99	-9	94.34	17.09	177.25	98.50
Dc	**1**	(untitled)	A	773	2100	72	1295	60	51	10.13	7.12	80.38	16.24
	2	(untitled)	A	957	2100	72	1295	74	22	9.06	8.28	97.24	14.93

	3	(untitled)	A	755	2100	72	1295	58	54	10.97	7.59	92.81	16.61
	4	(untitled)	A	787	2100	72	1295	61	48	11.10	7.59	96.77	16.50
Dcf	**1**	(untitled)		772	2050	120	2050	38	139	0.53	0.11	1.00	5.44
	2	(untitled)		293	2100	120	2100	14	545	0.14	0.01	0.10	5.03
	3	(untitled)		773	2100	120	2100	37	145	0.50	0.11	0.94	7.22
	4	(untitled)		957	2100	120	1799	53	69	2.45	3.46	29.39	8.59
	5	(untitled)		755	2100	120	1981	38	136	0.58	1.88	16.35	7.23
	6	(untitled)		787	2050	120	1989	40	128	0.60	1.58	13.72	8.54
Df	**1**	(untitled)		1099	1900	120	922	119	-24	308.94	105.63	303.70	332.94
	2	(untitled)		1354	2250	120	1103	123	-27	350.81	145.71	418.91	374.81
Dxp	**1**	(untitled)	D	815	2050	103	1777	46	96	1.44	1.76	22.06	4.87
	2	(untitled)	D	293	2050	103	1777	17	445	0.31	1.75	20.91	3.92
Ec	**1**	(untitled)	F	783	2150	80	1469	53	69	6.19	5.54	63.59	9.95
	2	(untitled)	F	1217	2263	80	1546	79	14	7.32	6.98	82.84	10.95
	3	(untitled)	F	1173	2263	80	1546	76	19	5.44	3.89	47.87	8.95
	4	(untitled)	F	559	2250	80	1538	36	148	1.42	0.52	6.62	6.83
Ecf	**1**	(untitled)		926	2100	120	2098	44	104	0.68	4.81	60.23	4.13
	2	(untitled)		1265	2100	120	2100	60	49	1.29	0.45	5.64	4.77
	3	(untitled)		1217	2263	120	2246	54	66	0.96	2.31	28.29	5.28
	4	(untitled)		1173	2300	120	2300	51	76	0.81	0.27	3.21	5.37
	5	(untitled)		717	2300	120	2300	31	189	0.35	0.07	0.83	5.69
Ef	**1**	(untitled)		935	1900	120	681	137	-34	506.68	139.68	629.70	521.98
	2	(untitled)		521	1900	120	1900	27	228	0.36	0.05	0.23	15.66
Exp	**1**	(untitled)	L	926	2050	102	1760	53	71	1.91	4.97	55.14	5.80
	2	(untitled)	L	481	2050	102	1760	27	229	0.39	0.06	0.64	4.42
F	**1**	(untitled)	B	360	2100	20	385	94	-4	70.70	9.99	67.50	77.09
	2	(untitled)	B	391	2100	20	385	102	-11	181.08	23.79	159.58	187.50
	3	(untitled)	B	165	2100	20	385	43	110	25.22	2.53	16.69	31.76
Fc	**1**	(untitled)	A	1354	2263	80	1546	88	3	12.96	11.63	36.50	31.99
	2	(untitled)	A	1312	2263	80	1464	90	0	15.84	15.40	48.79	34.69
	3	(untitled)	A	921	2263	80	1527	60	49	3.62	8.62	27.49	22.84
Ff	**1**	(untitled)		751	1900	120	1900	40	128	0.62	0.13	0.27	33.71

	2	(untitled)		165	1900	120	1900	9	936	0.09	0.00	0.01	33.14
G	**1**	(untitled)	F	331	2050	50	868	38	136	2.03	5.20	19.23	18.01
	2	(untitled)	F	348	2050	50	871	40	126	3.58	7.09	26.86	14.97
Gf	**1**	(untitled)		269	2050	120	2050	13	586	0.13	0.01	0.14	3.17
	2	(untitled)		252	2050	120	2050	12	632	0.12	0.01	0.12	3.13
xA	**1**	(untitled)		1624	2263	120	2084	78	15	5.78	20.59	51.56	23.00
	2	(untitled)		1311	2263	120	2150	61	48	2.57	25.98	64.96	19.82
xB	**1**	(untitled)		1230	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	**1**	(untitled)		499	1900	120	1247	40	125	7.20	7.13	35.45	15.87
	2	(untitled)		426	1900	120	1279	33	170	5.98	7.06	35.02	14.68
xD	**1**	(untitled)		815	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.11
	2	(untitled)		293	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.16
xE	**1**	(untitled)		926	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		481	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	**1**	(untitled)		826	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
Cc1	**1**	(untitled)	E	246	2050	42	744	33	172	23.40	3.60	21.59	30.14
E1	**1**	(untitled)	G	318	2050	18	342	93	-3	84.60	9.64	69.31	90.60
	2	(untitled)	G	362	2200	18	367	99	-9	193.95	21.97	157.93	199.95
Gf1	**1**	(untitled)		158	697	120	697	23	298	2.91	2.02	24.24	8.65
Cc2	**2**	(untitled)	D	666	2150	44	803	83	8	30.14	9.53	59.90	39.94
	3	(untitled)	D	554	2050	44	768	72	25	23.96	6.98	44.06	34.89
	4	(untitled)	D	285	2150	44	818	35	159	21.81	5.39	34.29	27.88
	5	(untitled)	D	682	2050	44	746	91	-2	37.41	13.68	86.91	46.01
	6	(untitled)	D	497	2050	44	786	63	42	17.03	4.74	30.93	24.46
E2	**3**	(untitled)	H	269	2150	18	347	78	16	41.08	5.16	55.71	45.07
	4	(untitled)	H	252	2050	18	342	74	22	38.01	4.64	49.08	42.08
TC5	**2**	(untitled)	A	1253	2263	101	1942	64	40	2.73	3.48	86.95	5.50
	3	(untitled)	A	1311	2263	101	1942	67	33	2.31	3.60	89.80	5.07
	4	(untitled)	C	0	1800	8	135	0	Unrestricted	0.00	0.00	0.00	0.00
TC9	**1**	(untitled)	B	399	1925	89	399	100	-10	200.40	25.46	159.62	211.40
	2	(untitled)	B	342	1966	89	1507	23	297	4.31	3.08	19.22	15.37
	3	(untitled)	B	304	1947	89	1493	20	342	4.18	2.56	15.88	15.30

TC35	1	(untitled)	A	371	1900	101	1631	23	295	1.74	1.48	35.29	4.64
TC36	1	(untitled)		201	1800	120	168	120	-25	370.42	24.19	551.47	373.45
TC37	1	(untitled)	J	29	1850	105	1634	2	4927	0.02	0.00	0.00	3.21
TC38	1	(untitled)		29	239	120	239	12	635	21.89	2.42	65.38	23.43
TC39	2	(untitled)		1253	2263	120	2263	55	63	0.98	0.34	5.59	3.52
	3	(untitled)		1311	2263	120	2263	58	55	1.09	0.40	6.87	3.49
TC40	2	(untitled)		1282	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
	3	(untitled)		1311	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
TC41	1	(untitled)	D	139	1850	8	139	100	-10	315.37	12.68	133.42	319.31
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)		925	1300	120	1300	71	26	3.39	0.87	3.74	19.42
48	1	(untitled)		1653	1965	120	1965	84	7	4.76	2.19	22.80	11.38
49	1	(untitled)		662	1900	120	399	166	-46	734.41	145.32	3183.94	737.56
	2	(untitled)		646	1900	120	1900	34	165	0.49	0.09	1.92	3.64
50	1	(untitled)		2017	1900	120	1425	142	-36	535.39	320.59	3828.73	541.17
51	1	(untitled)		916	1900	120	1900	48	87	0.88	0.22	3.44	5.38
52	1			212	1800	120	1800	12	665	0.13	0.01	0.13	4.42
53	1		A	212	1800	20	297	71	26	29.81	4.33	23.20	42.69

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	97	15	38	1	7
	2	✓	2	B	22	32	10	1	7
	3		1	A	37	75	38	1	7
	4		2	B	82	92	10	1	7
769-2	1	✓	4	D,E,H,I	17	33	16	1	3
	2	✓	5	F,G,J,K	44	63	19	1	8
	3		4	D,E,H,I	77	93	16	1	3
	4		5	F,G,J,K	104	3	19	1	8
770-1	1	✓	1	A,C	8	42	34	1	5
	2	✓	2	B	49	63	14	1	7
	3		1	A,C	68	102	34	1	5
	4		2	B	109	3	14	1	7
770-2	1	✓	4	D	2	105	103	1	7
	2	✓	5	E	110	115	5	1	5
770-3	1	✓	7	F,I,J	106	21	35	1	2
	2	✓	9	G,H	32	34	2	1	1

	3		7	F,I,J	46	81	35	1	2
	4		9	G,H	92	94	2	1	1
770-4	**1**	✓	11	L	68	50	102	1	7
	2	✓	12	M	55	61	6	1	6
771-1	**1**	✓	1	A,C	110	24	34	1	9
	2	✓	3	B	35	45	10	1	7
	3		1	A,C	50	84	34	1	9
	4		3	B	95	105	10	1	7
771-2	**1**	✓	5	D	0	25	25	1	7
	2	✓	6	E	30	40	10	1	7
	3	✓	3	A	45	55	10	1	7
	4		5	D	60	85	25	1	7
	5		6	E	90	100	10	1	7
	6		3	A	105	115	10	1	7
TC777-1	**1**	✓	1	A,B,F	15	103	88	1	6
	2	✓	2	A,C,F,G	108	116	8	1	7
	3	✓	5	D,H,I	3	9	6	1	6
TC777-2	**1**	✓	1	J	7	112	105	1	7
	2	✓	2	K	117	2	5	1	5

Data Entry - Phase

Phase

Controller Stream	Phase	Phase	Street minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type
769-1	**A**	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	7	300	0	0	Pedestrian
769-2	**D**	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	4	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	5	300	0	0	Pedestrian
	I	I	7	300	0	0	Pedestrian
	J	J	10	300	0	0	Pedestrian
	K	K	5	300	0	0	Pedestrian
770-1	**A**	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	5	300	0	0	Pedestrian
770-2	**D**	D	7	300	0	0	Traffic
	E	E	5	300	0	0	Pedestrian
770-3	**F**	F	7	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	4	300	0	0	Traffic
	I	I	5	300	0	0	Pedestrian
	J	J	5	300	0	0	Pedestrian
	K	K	10	300	0	0	Pedestrian
770-4	**L**	L	7	300	0	0	Traffic
	M	M	6	300	0	0	Pedestrian
771-1	**A**	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	9	300	0	0	Pedestrian
771-2	**A**	A	7	300	0	0	Traffic

	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**	✓	73.98	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	2	✓	76.16	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	3	✓	77.64	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	4	✓	79.12	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Ac	**1**	✓	95.60	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	92.09	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	50
	3	✓	87.52	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
Acf	**1**	✓	69.20	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	70.11	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Af	**1**	✓	53.70	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	53.35	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	53.16	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**	✓	60.55	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	63.28	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	63.30	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	4	✓	63.32	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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**	✓	183.21	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	181.45	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**	✓	162.53	NetworkDefault	0.00	Normal						100	100

Cc1	**1**	✓	95.84	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E1	**1**		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	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**	✓	35.74	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
53	**1**	✓	107.36	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	500

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	68	0.00	0.00
		2	0	0	68	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	78	0.00	0.00
		2	0	0	78	0.00	0.00
	5	1	0	0	78	0.00	0.00
		2	0	0	78	0.00	0.00
	6	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	7	1	0	0	68	0.00	0.00
		2	0	0	68	0.00	0.00
	8	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	9	1	0	0	42	0.00	0.00
		2	0	0	42	0.00	0.00
	10	1	0	0	54	0.00	0.00
		2	0	0	54	0.00	0.00
	11	1	0	0	42	0.00	0.00
		2	0	0	42	0.00	0.00
	12	1	0	0	40	0.00	0.00
		2	0	0	40	0.00	0.00
	13	1	0	0	8	0.00	0.00
		2	0	0	8	0.00	0.00
	14	1	0	0	102	0.00	0.00
		2	0	0	102	0.00	0.00
	15	1	0	0	8	0.00	0.00
		2	0	0	8	0.00	0.00
	16	1	0	0	6	0.00	0.00
		2	0	0	6	0.00	0.00
	17	1	0	0	5	0.00	0.00
		2	0	0	5	0.00	0.00

Collections

Point to Point Journey Time

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	663.4	672.4	731.5	726.8	951.7	1023.3	0.0
	B28	183.6	0.0	76.1	134.6	127.0	169.2	178.5	0.0
	C28	569.6	552.6	0.0	419.7	424.0	537.2	540.3	0.0
	D28	276.3	307.7	359.2	0.0	220.8	144.2	153.5	0.0
	E28	778.7	113.6	845.8	624.8	0.0	675.1	684.0	0.0
	F28	1054.0	952.6	954.7	1071.8	1135.5	0.0	404.3	0.0
	G28	1348.7	1212.6	757.3	274.4	290.8	239.2	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	424.05	526.66	0.00	0.00	0.00	182	424.05	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	377	796.95	690.32	0.00	0.00	0.00	377	796.95	690.32
49	C28	D28	366	419.74	514.00	0.00	0.00	0.00	366	419.74	514.00
50	E28	D28	58	624.77	370.08	0.00	0.00	0.00	58	624.77	370.08
68	E28	G28	148	684.06	737.43	0.00	0.00	0.00	148	684.06	737.43
92	E28	F28	40	675.09	644.57	0.00	0.00	0.00	40	675.09	644.57
100	E28	B28	252	108.25	623.35	0.00	0.00	0.00	252	108.25	623.35
102	A28	C28	406	672.37	694.76	0.00	0.00	0.00	406	672.37	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	25	663.30	716.08	0.00	0.00	0.00	25	663.30	716.08
110	E28	G28	65	683.82	731.08	0.00	0.00	0.00	65	683.82	731.08
112	F28	G28	35	404.31	149.60	0.00	0.00	0.00	35	404.31	149.60
113	F28	A28	66	1054.01	345.23	0.00	0.00	0.00	66	1054.01	345.23
115	B28	C28	9	74.98	556.36	0.00	0.00	0.00	9	74.98	556.36
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
130	G28	C28	223	435.60	770.11	0.00	0.00	0.00	223	435.60	770.11
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	235	178.14	1063.74	0.00	0.00	0.00	235	178.14	1063.74
141	B28	F28	39	169.17	970.89	0.00	0.00	0.00	39	169.17	970.89
142	B28	G28	53	174.79	1059.16	0.00	0.00	0.00	53	174.79	1059.16
143	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
144	B28	G28	250	179.64	1054.40	0.00	0.00	0.00	250	179.64	1054.40
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	183.61	1013.01	0.00	0.00	0.00	40	183.61	1013.01
150	E28	B28	269	118.64	625.89	0.00	0.00	0.00	269	118.64	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	952.62	750.92	0.00	0.00	0.00	14	952.62	750.92
154	E28	A28	126	709.43	691.48	0.00	0.00	0.00	126	709.43	691.48

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	532	1068.45	1196.15	0.00	0.00	0.00	532	1068.45	1196.15
159	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
160	B28	D28	294	134.55	698.10	0.00	0.00	0.00	294	134.55	698.10
161	B28	E28	328	128.94	713.02	0.00	0.00	0.00	328	128.94	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	76.22	553.47	0.00	0.00	0.00	106	76.22	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	1348.73	383.33	0.00	0.00	0.00	365	1348.73	383.33
169	G28	B28	39	1213.94	789.02	0.00	0.00	0.00	39	1213.94	789.02
170	G28	B28	101	1212.07	789.40	0.00	0.00	0.00	101	1212.07	789.40
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	17	870.85	871.67	0.00	0.00	0.00	17	870.85	871.67
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	149	124.84	710.57	0.00	0.00	0.00	149	124.84	710.57
179	B28	E28	150	124.82	711.82	0.00	0.00	0.00	150	124.82	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	954.67	729.98	0.00	0.00	0.00	17	954.67	729.98
182	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
183	A28	E28	7	725.48	854.82	0.00	0.00	0.00	7	725.48	854.82
184	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
185	A28	B28	30	663.53	715.70	0.00	0.00	0.00	30	663.53	715.70
186	A28	C28	10	673.40	699.04	0.00	0.00	0.00	10	673.40	699.04
187	G28	D28	35	479.28	910.98	0.00	0.00	0.00	35	479.28	910.98
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	153.46	744.99	0.00	0.00	0.00	251	153.46	744.99
196	D28	F28	109	144.20	652.14	0.00	0.00	0.00	109	144.20	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	276.32	701.41	0.00	0.00	0.00	3	276.32	701.41
199	D28	B28	113	357.17	1101.41	0.00	0.00	0.00	113	357.17	1101.41
200	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
201	F28	E28	3	1133.93	884.84	0.00	0.00	0.00	3	1133.93	884.84
202	F28	D28	44	1147.97	872.38	0.00	0.00	0.00	44	1147.97	872.38
203	F28	E28	5	1136.48	887.29	0.00	0.00	0.00	5	1136.48	887.29
205	A28	E28	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	845.79	1066.13	0.00	0.00	0.00	84	845.79	1066.13
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	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
317	C28	G28	672	536.13	870.70	0.00	0.00	0.00	672	536.13	870.70
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	462	546.12	880.26	0.00	0.00	0.00	462	546.12	880.26
323	C28	F28	45	537.15	787.41	0.00	0.00	0.00	45	537.15	787.41
324	C28	G28	44	542.60	875.68	0.00	0.00	0.00	44	542.60	875.68
325	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
330	C28	A28	410	567.46	831.86	0.00	0.00	0.00	410	567.46	831.86
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	10	552.77	756.38	0.00	0.00	0.00	10	552.77	756.38
343	C28	B28	35	552.56	753.20	0.00	0.00	0.00	35	552.56	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	54	264.87	1451.44	0.00	0.00	0.00	54	264.87	1451.44
394	D28	B28	67	258.69	1448.26	0.00	0.00	0.00	67	258.69	1448.26
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	64	239.23	1180.65	0.00	0.00	0.00	64	239.23	1180.65
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	157	1216.09	768.08	0.00	0.00	0.00	157	1216.09	768.08
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	359.18	1080.47	0.00	0.00	0.00	275	359.18	1080.47
439	G28	E28	84	465.69	923.44	0.00	0.00	0.00	84	465.69	923.44
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	44	220.76	1231.74	0.00	0.00	0.00	44	220.76	1231.74
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	96	199.77	910.75	0.00	0.00	0.00	96	199.77	910.75
452	G28	E28	144	188.58	925.66	0.00	0.00	0.00	144	188.58	925.66
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	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
459	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
460	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
461	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
462	A28	G28	384	960.80	1205.17	0.00	0.00	0.00	384	960.80	1205.17
463	A28	F28	131	951.75	1112.32	0.00	0.00	0.00	131	951.75	1112.32
464	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
465	A28	E28	490	726.85	852.36	0.00	0.00	0.00	490	726.85	852.36
466	A28	D28	2	731.48	839.90	0.00	0.00	0.00	2	731.48	839.90
467	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
468	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
469	C28	A28	227	573.32	810.17	0.00	0.00	0.00	227	573.32	810.17
470	E28	A28	37	830.37	668.62	0.00	0.00	0.00	37	830.37	668.62

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	275 <	2050	20	5.88	100	-10	239.12	233.57	240.99	19.42 +	20	0	0.00	50.73
	2	(untitled)	6	771-2	E	205	2050	20	9.00	55	65	49.35	43.63	109.21	4.06	20	0	0.00	7.06
	3	(untitled)	6	771-2	E	374 <	2050	20	0.10	100	-10	185.51	179.69	219.96	20.79 +	20	0	0.00	53.03
	4	(untitled)	6	771-2	E	318	2050	20	0.00	85	6	49.68	43.74	122.40	7.33	20	0	0.00	10.98
Ac	1	(untitled)	6	771-2	D	743	2263	50	12.00	76	19	26.11	18.94	81.24	13.17	100	500	0.00	152.42
	2	(untitled)	6	771-2	D	382	2263	50	30.07	41	122	21.87	12.40	105.78	7.09	100	50	0.00	22.14
	3	(untitled)	6	771-2	D	226	2263	50	20.00	23	290	15.49	8.93	76.93	2.82	100	500	0.00	35.89
Acf	1	(untitled)	6			1125	2263	120	40.00	50	81	5.98	0.79	0.00	0.25	100	100	0.00	3.49
	2	(untitled)	6			226	2263	120	76.00	10	801	7.30	0.09	0.00	0.01	100	100	0.00	0.08
Af	1	(untitled)	6			480 <	2050	120	91.88	100	-10	126.74	120.30	163.24	19.18 +	100	100	0.00	237.76
	2	(untitled)	6			385 <	2050	120	98.10	103	-13	163.10	156.69	191.52	20.45 +	100	100	0.00	247.22
	3	(untitled)	6			318	2050	120	19.00	16	480	6.54	0.16	0.00	0.01	100	100	0.00	0.20
B	1	(untitled)	1	769-1	B	326	2050	20	0.00	87	4	55.54	48.44	122.66	7.22	20	0	0.00	12.44
	2	(untitled)	1	769-1	B	360	2150	20	0.55	94	-4	75.48	68.19	149.29	9.82	20	0	0.00	19.34
	3	(untitled)	1	769-1	B	364	2100	20	0.48	97	-7	100.41	92.93	181.92	12.45	20	0	0.00	26.67
	4	(untitled)	1	769-1	B	376 <	2050	20	0.00	100	-10	232.08	219.79	336.53	26.61 +	20	0	0.00	65.16
Bc	1	(untitled)	1	769-1	A	587	2050	76	41.00	44	104	25.46	13.51	67.48	7.98	100	500	0.00	75.43
	2	(untitled)	1	769-1	A	479	2050	76	48.00	36	150	15.82	3.98	22.77	2.11	100	500	0.00	19.67
	3	(untitled)	1	769-1	A	439	2050	76	51.00	33	173	18.05	6.34	31.38	2.30	100	500	0.00	26.34
Bcf	1	(untitled)	1	769-1	A	1230 <	2263	76	10.00	84	8	18.14	13.56	58.28	11.44 +	100	500	872.37	1069.69
	2	(untitled)	1	769-1	A	587	2263	76	42.04	40	123	6.83	1.89	27.74	4.84	100	500	0.00	32.94
	3	(untitled)	1	769-1	A	479	2263	76	32.00	33	176	9.48	3.37	49.07	8.02	100	500	0.00	32.84
	4	(untitled)	1	769-1	A	439	2263	76	50.60	30	195	7.93	1.97	37.10	7.87	100	500	0.00	23.09
Bf	1	(untitled)	1			685	1800	120	10.00	38	136	27.95	0.61	0.00	0.12	100	100	0.00	1.66
	2	(untitled)	1			740 <	1800	120	68.43	96	-6	165.98	138.57	336.86	46.18 +	100	100	0.00	435.51
C	1	(untitled)	2	769-2	G	115	2100	52	0.00	12	640	24.41	9.88	55.44	1.46	20	0	0.00	0.90
	2	(untitled)	2	769-2	G	921	2200	52	0.00	93	-3	51.35	36.63	118.60	18.85	20	0	0.00	26.61

	3	(untitled)	2	769-2	G	617	2050	52	0.00	67	35	32.10	17.17	78.55	8.24	20	0	0.00	8.36
Cf	**1**	(untitled)	2			886	1965	120	0.00	45	100	18.10	0.75	0.00	0.18	100	100	0.00	2.63
	2	(untitled)	2			767	1965	120	0.00	39	131	18.09	0.59	0.00	0.12	100	100	0.00	1.77
D	**1**	(untitled)	3	770-1	B	460 <	2050	28	0.00	90	0	64.68	60.56	129.72	10.35 +	20	0	0.00	21.97
	2	(untitled)	3	770-1	B	463 <	1850	28	0.00	100	-10	137.13	133.00	165.57	19.55 +	20	0	0.00	48.53
	3	(untitled)	3	770-1	B	547 <	2250	28	0.00	97	-8	87.22	83.25	147.60	15.01 +	20	0	0.00	35.95
	4	(untitled)	3	770-1	B	556 <	2250	28	0.00	99	-9	98.50	94.34	161.27	17.09 +	20	0	0.00	41.35
Dc	**1**	(untitled)	3	770-1	A	773	2100	72	19.00	60	51	16.24	10.13	56.64	7.12	100	500	0.00	58.34
	2	(untitled)	3	770-1	A	957	2100	72	15.00	74	22	14.93	9.06	51.79	8.28	100	500	218.65	283.93
	3	(untitled)	3	770-1	A	755	2100	72	11.00	58	54	16.61	10.97	60.56	7.59	100	500	0.00	61.32
	4	(untitled)	3	770-1	A	787	2100	72	24.00	61	48	16.50	11.10	59.49	7.59	100	500	0.00	63.78
Dcf	**1**	(untitled)	3			772	2050	120	24.00	38	139	5.44	0.53	0.00	0.11	100	100	0.00	1.62
	2	(untitled)	3			293	2100	120	99.00	14	545	5.03	0.14	0.00	0.01	100	100	0.00	0.16
	3	(untitled)	3			773	2100	120	31.00	37	145	7.22	0.50	0.00	0.11	100	100	0.00	1.52
	4	(untitled)	3			957	2100	120	50.18	53	69	8.59	2.45	20.48	3.46	100	100	0.00	14.20
	5	(untitled)	3			755	2100	120	29.78	38	136	7.23	0.58	1.96	1.88	100	100	0.00	2.05
	6	(untitled)	3			787	2050	120	39.56	40	128	8.54	0.60	1.35	1.58	100	100	0.00	1.99
Df	**1**	(untitled)	3-2			1099 <	1900	120	61.74	119	-24	332.94	308.94	317.41	105.63 +	100	100	0.00	1375.97
	2	(untitled)	3-2			1354 <	2250	120	61.17	123	-27	374.81	350.81	330.12	145.71 +	100	100	0.00	1919.25
Dxp	**1**	(untitled)	3-2	770-2	D	815	2050	103	10.00	46	96	4.87	1.44	6.15	1.76	100	100	0.00	6.24
	2	(untitled)	3-2	770-2	D	293	2050	103	73.00	17	445	3.92	0.31	1.86	1.75	100	100	0.00	0.53
Ec	**1**	(untitled)	4	770-3	F	783	2150	80	12.00	53	69	9.95	6.19	38.03	5.54	100	500	0.00	66.95
	2	(untitled)	4	770-3	F	1217	2263	80	10.00	79	14	10.95	7.32	30.55	6.98	100	500	0.00	94.85
	3	(untitled)	4	770-3	F	1173	2263	80	14.00	76	19	8.95	5.44	19.82	3.89	100	500	0.00	62.50
	4	(untitled)	4	770-3	F	559	2250	80	44.00	36	148	6.83	1.42	5.57	0.52	100	500	0.00	5.08
Ecf	**1**	(untitled)	4			926	2100	120	35.11	44	104	4.13	0.68	1.27	4.81	100	100	0.00	2.86
	2	(untitled)	4			1265	2100	120	31.00	60	49	4.77	1.29	0.00	0.45	100	100	0.00	6.46
	3	(untitled)	4			1217	2263	120	25.88	54	66	5.28	0.96	2.35	2.31	100	100	0.00	5.29
	4	(untitled)	4			1173	2300	120	48.00	51	76	5.37	0.81	0.00	0.27	100	100	0.00	3.77
	5	(untitled)	4			717	2300	120	66.00	31	189	5.69	0.35	0.00	0.07	100	100	0.00	1.00

Ef	**1**	(untitled)	4			935 <	1900	120	77.02	137	-34	521.98	506.68	369.19	139.68 +	100	100	0.00	1900.16
	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	926	2050	102	28.00	53	71	5.80	1.91	11.80	4.97	100	100	0.00	10.47
	2	(untitled)	4-2	770-4	L	481	2050	102	44.00	27	229	4.42	0.39	0.37	0.06	100	100	0.00	0.80
F	**1**	(untitled)	5	771-1	B	360	2100	20	0.00	94	-4	77.09	70.70	153.05	9.99	20	0	0.00	20.08
	2	(untitled)	5	771-1	B	391 <	2100	20	0.00	102	-11	187.50	181.08	254.17	23.79 +	20	0	0.00	55.85
	3	(untitled)	5	771-1	B	165	2100	20	0.00	43	110	31.76	25.22	89.12	2.53	20	0	0.00	3.28
Fc	**1**	(untitled)	5	771-1	A	1354	2263	80	4.00	88	3	31.99	12.96	51.48	11.63	100	500	0.00	127.75
	2	(untitled)	5	771-1	A	1312	2263	80	10.38	90	0	34.69	15.84	75.02	15.40	100	500	0.00	164.56
	3	(untitled)	5	771-1	A	921	2263	80	29.02	60	49	22.84	3.62	22.61	8.62	100	500	0.00	29.78
Ff	**1**	(untitled)	5			751	1900	120	0.00	40	128	33.71	0.62	0.00	0.13	100	100	0.00	1.83
	2	(untitled)	5			165	1900	120	0.00	9	936	33.14	0.09	0.00	0.00	100	100	0.00	0.06
G	**1**	(untitled)	2	769-2	F	331	2050	50	17.17	38	136	18.01	2.03	11.99	5.20	100	500	0.00	6.04
	2	(untitled)	2	769-2	F	348	2050	50	17.02	40	126	14.97	3.58	17.76	7.09	100	500	0.00	14.81
Gf	**1**	(untitled)	4			269	2050	120	100.00	13	586	3.17	0.13	0.00	0.01	100	100	0.00	0.14
	2	(untitled)	4			252	2050	120	100.00	12	632	3.13	0.12	0.00	0.01	100	100	0.00	0.12
xA	**1**	(untitled)	10			1624	2263	120	25.48	78	15	23.00	5.78	28.98	20.59	100	100	0.00	52.14
	2	(untitled)	10			1311	2263	120	47.00	61	48	19.82	2.57	18.65	25.98	100	100	0.00	21.15
xB	**1**	(untitled)				1230	Unrestricted	120	28.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	**1**	(untitled)				499	1900	120	67.23	40	125	15.87	7.20	50.91	7.13	100	100	0.00	22.32
	2	(untitled)				426	1900	120	73.20	33	170	14.68	5.98	45.60	7.06	100	100	0.00	16.28
xD	**1**	(untitled)				815	Unrestricted	120	10.00	0	Unrestricted	9.11	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				293	Unrestricted	120	72.00	0	Unrestricted	9.16	0.00	0.00	0.00	100	100	0.00	0.00
xE	**1**	(untitled)				926	Unrestricted	120	8.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				481	Unrestricted	120	38.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	**1**	(untitled)				826	Unrestricted	120	0.00	0	Unrestricted	12.19	0.00	0.00	0.00	100	100	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	246	2050	42	11.44	33	172	30.14	23.40	84.17	3.60	100	100	0.00	30.55
E1	**1**	(untitled)	4	770-3	G	318	2050	18	0.00	93	-3	90.60	84.60	167.21	9.64	20	0	0.00	21.23
	2	(untitled)	4	770-3	G	362 <	2200	18	0.00	99	-9	199.95	193.95	249.11	21.97 +	20	0	0.00	55.46
Gf1	**1**	(untitled)	4			158	697	120	68.00	23	298	8.65	2.91	59.98	2.02	100	100	0.00	2.99

Cc2	**2**	(untitled)	2	769-2	D	666	2150	44	5.21	83	8	39.94	30.14	84.40	9.53	100	500	0.00	126.31
	3	(untitled)	2	769-2	D	554	2050	44	12.04	72	25	34.89	23.96	77.72	6.98	100	500	0.00	79.43
	4	(untitled)	2	769-2	D	285	2150	44	29.35	35	159	27.88	21.81	102.10	5.39	100	500	0.00	82.67
	5	(untitled)	2	769-2	D	682	2050	44	5.32	91	-2	46.01	37.41	102.42	13.68	100	500	0.00	190.19
	6	(untitled)	2	769-2	D	497	2050	44	16.00	63	42	24.46	17.03	47.03	4.74	100	500	0.00	64.64
E2	**3**	(untitled)	4	770-3	H	269	2150	18	0.65	78	16	45.07	41.08	113.20	5.16	20	0	0.00	8.72
	4	(untitled)	4	770-3	H	252	2050	18	0.00	74	22	42.08	38.01	109.07	4.64	20	0	0.00	7.56
TC5	**2**	(untitled)	TC771-6	TC777-1	A	1253	2263	101	12.00	64	40	5.50	2.73	8.34	3.48	100	100	0.00	14.81
	3	(untitled)	TC771-6	TC777-1	A	1311	2263	101	30.00	67	33	5.07	2.31	8.22	3.60	100	100	0.00	13.30
	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	399 <	1925	89	67.11	100	-10	211.40	200.40	267.14	25.46 +	100	100	0.00	328.97
	2	(untitled)	TC771-6	TC777-1	B	342	1966	89	0.00	23	297	15.37	4.31	26.54	3.08	100	100	0.00	6.95
	3	(untitled)	TC771-6	TC777-1	B	304	1947	89	0.00	20	342	15.30	4.18	25.26	2.56	100	100	0.00	5.98
TC35	**1**	(untitled)	TC771-6	TC777-1	A	371	1900	101	13.00	23	295	4.64	1.74	11.05	1.48	100	100	0.00	3.07
TC36	**1**	(untitled)	TC771-6			201 <	1800	120	108.80	120	-25	373.45	370.42	277.95	24.19 +	100	100	0.00	299.54
TC37	**1**	(untitled)	TC771-6	TC777-2	J	29	1850	105	88.00	2	4927	3.21	0.02	0.00	0.00	100	100	0.00	0.00
TC38	**1**	(untitled)	TC771-6			29	239	120	74.00	12	635	23.43	21.89	68.65	2.42	100	100	0.00	3.23
TC39	**2**	(untitled)	TC771-6			1253	2263	120	29.00	55	63	3.52	0.98	0.00	0.34	100	100	0.00	4.87
	3	(untitled)	TC771-6			1311	2263	120	47.00	58	55	3.49	1.09	0.00	0.40	100	100	0.00	5.65
TC40	**2**	(untitled)	TC771-6			1282	Unrestricted	120	6.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC771-6			1311	Unrestricted	120	35.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
TC41	**1**	(untitled)	TC771-6	TC777-1	D	139 <	1850	8	0.00	100	-10	319.31	315.37	210.22	12.68 +	100	100	0.00	182.76
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			925	1300	120	16.00	71	26	19.42	3.39	0.00	0.87	100	100	0.00	12.35
48	**1**	(untitled)	2			1653	1965	120	0.00	84	7	11.38	4.76	0.00	2.19	100	100	0.00	31.04
49	**1**	(untitled)	TC 771-6			662 <	1900	120	94.78	166	-46	737.56	734.41	413.35	145.32 +	100	100	0.00	1938.40
	2	(untitled)	TC 771-6			646	1900	120	0.00	34	165	3.64	0.49	0.00	0.09	100	100	0.00	1.24
50	**1**	(untitled)	1			2017 <	1900	120	30.01	142	-36	541.17	535.39	379.20	320.59 +	100	100	0.00	4327.30
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**		5			212	1800	120	60.00	12	665	4.42	0.13	0.00	0.01	100	100	0.00	0.11
53	**1**		5	771-2	A	212	1800	20	4.23	71	26	42.69	29.81	118.49	4.33	100	500	0.00	40.65

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	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3	770-1	C	0	11000	68	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	78	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	J	0	11000	78	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	**1**	(untitled)	4	770-3	I	0	11000	78	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	I	0	11000	78	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
6	**1**	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
7	**1**	(untitled)	5	771-1	C	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
8	**1**	(untitled)	1	769-1	C	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	1	769-1	C	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
9	**1**	(untitled)	2	769-2	J	0	11000	42	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

	2	(untitled)	2	769-2	J	0	11000	42	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
10	**1**	(untitled)	2	769-2	K	0	11000	54	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	K	0	11000	54	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	**1**	(untitled)		769-2	H	0	11000	42	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	42	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	**1**	(untitled)	2	769-2	I	0	11000	40	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	40	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
13	**1**	(untitled)		TC777-1	I	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	I	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
14	**1**	(untitled)		TC777-1	F	0	11000	102	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	F	0	11000	102	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
15	**1**	(untitled)		TC777-1	G	0	11000	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	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	H	0	11000	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
17	**1**	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

Network Results

	Distance travelled (PCU-km/hr)	Time spent (PCU-hr/hr)	Mean journey speed (kph)	Total delay (PCU-hr/hr)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Excess queue penalty (£ per hr)	Performance Index (£ per hr)
Normal traffic	7114.61	1395.16	5.10	1203.52	14684.81	1455.16	1091.02	17230.99
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	7114.61	1395.16	5.10	1203.52	14684.81	1455.16	1091.02	17230.99

- *< = 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+C_2032+Com+CP+Dev_05.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Option A+C
Report generation date: 24/01/2021 15:47:21

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+CP+Dev - PM 2032+Com+CP+Dev					
Network	A16 D16	60	18955.81	1396.02	461% (TS 49/1)	18 (12%)

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

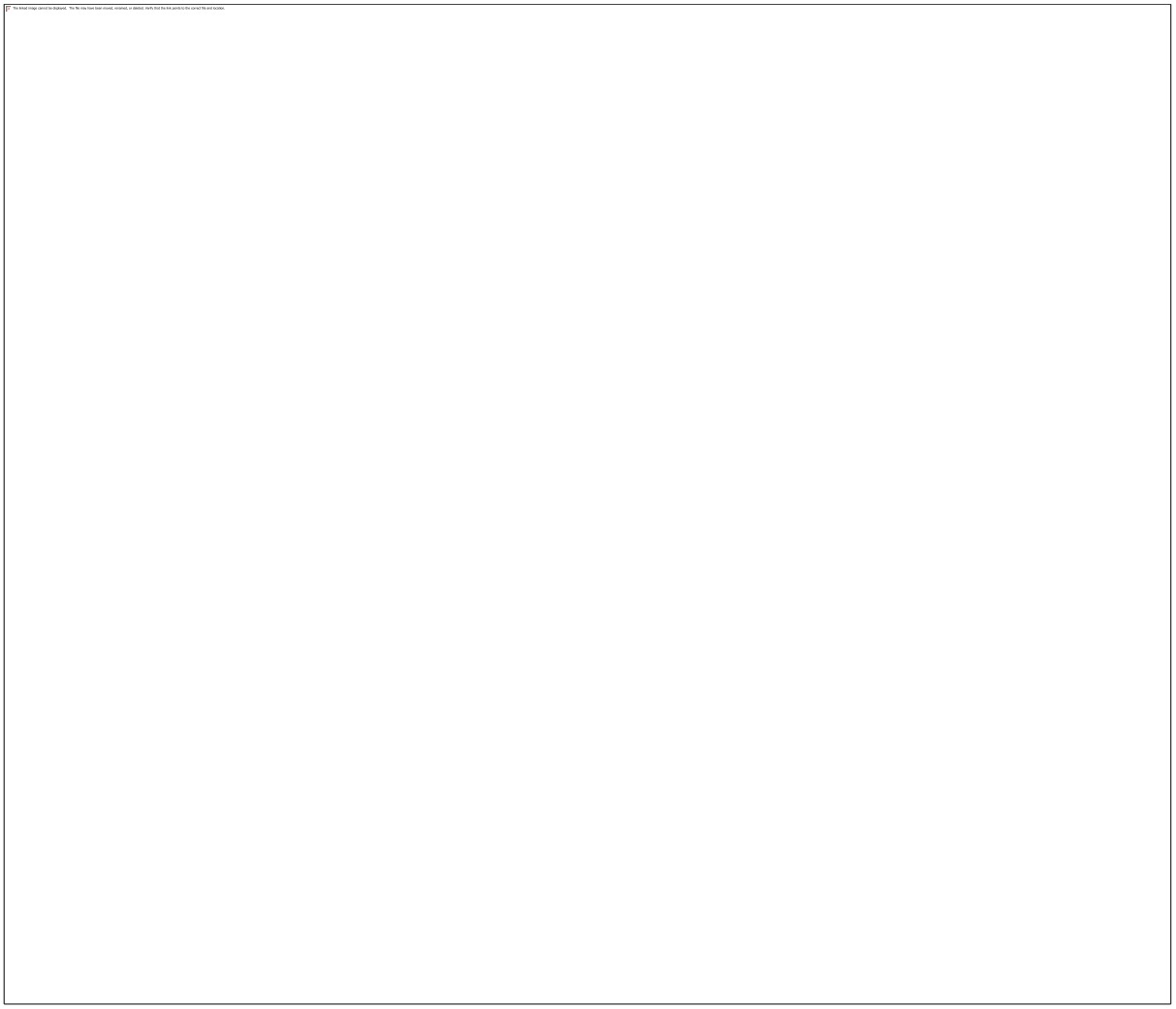
Sorting

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+CP+Dev
D16 - PM 2032+Com+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 15:46:16	24/01/2021 15:46:30	14.12	16:30	60	18955.81	1396.02	460.58	49/1	18	12	TC5/4	49/1	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+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+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			5
53			5

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	✓	73.98	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.16	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	77.64	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	79.12	✓	Directly entered	2050		2050	✓		Normal	
Ac	**1**	(untitled)	M62E	✓	95.60	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Wake	✓	92.09	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.52	✓	Directly entered	2263		2263	✓		Normal	
Acf	**1**	(untitled)		✓	69.20	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	70.11	✓	Directly entered	2263		2263			Normal	
Af	**1**	(untitled)	M62E/Wake	✓	53.70	✓	Directly entered	2050		2050			Normal	
	2	(untitled)	Dews	✓	53.35	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	53.16	✓	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)		✓	60.55	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)		✓	63.28	✓	Directly entered	2263		2050	✓		Normal	
	3	(untitled)		✓	63.30	✓	Directly entered	2263		2050	✓		Normal	
	4	(untitled)		✓	63.32	✓	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	✓	183.21	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Leeds	✓	181.45	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	M62E/Dews	✓	180.28	✓	Directly entered	2263		2263	✓		Normal	
Ff	**1**	(untitled)		✓	275.73	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	275.39	✓	Sum of lanes	1900		1900			Normal	
G	**1**	(untitled)		✓	155.36	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)		✓	151.80	✓	Directly entered	2050		2050	✓		Normal	
Gf	**1**	(untitled)		✓	40.48	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	40.06	✓	Directly entered	2050		2050			Normal	
xA	**1**	(untitled)		✓	229.66	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	229.97	✓	Directly entered	2263		2263			Normal	
xB	**1**	(untitled)		✓	77.15								Normal	
xC	**1**	(untitled)		✓	115.60	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	115.98	✓	Sum of lanes	1900		1900			Normal	
xD	**1**	(untitled)		✓	121.44								Normal	
	2	(untitled)		✓	122.12								Normal	
xE	**1**	(untitled)		✓	173.89								Normal	
	2	(untitled)		✓	173.83								Normal	
xF	**1**	(untitled)		✓	162.53								Normal	
Cc1	**1**	(untitled)	Wake	✓	95.84	✓	Directly entered	2050		2050	✓		Normal	
E1	**1**	(untitled)	M62W/Leeds		80.00	✓	Directly entered	2050		1900	✓		Normal	
	2	(untitled)	Leeds/M62E		80.00	✓	Directly entered	2200		2100	✓		Normal	
Gf1	**1**	(untitled)		✓	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**			✓	35.74	✓	Sum of lanes	1800					Normal	
53	**1**			✓	107.36	✓	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
53	1	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	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	500	100	100		0.00	✓	10.50	9999.00				
	2	CTM	500	100	100		0.00	✓	10.50	9999.00				
	3	CTM	500	100	100		0.00	✓	10.50	9999.00				
	4	CTM	500	100	100		0.00	✓	10.50	9999.00				
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	NetworkDefault	100	100	100		0.00							
53	1	NetworkDefault	500	100	100		0.00	✓	22.00	9999.00				

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	659	659
	3	708	708
	4	709	709
Ac	1	862	862
	2	522	522
	3	346	346
Acf	1	1383	1383
	2	346	346
Af	1	1621	1621
	2	708	708
	3	709	709
B	1	474	474
	2	331	331
	3	317	317
	4	363	363
Bc	1	1180	1180
	2	1028	1028
	3	735	735
Bcf	1	1887	1887
	2	1180	1180
	3	1028	1028
	4	735	735
Bf	1	806	806
	2	679	679
C	1	101	101
	2	702	702
	3	299	299
Cf	1	637	637
	2	465	465
D	1	423	423
	2	266	266
	3	365	365
	4	380	380
Dc	1	810	810
	2	934	934
	3	451	451
	4	543	543
Dcf	1	1088	1088
	2	1041	1041
	3	810	810
	4	934	934
	5	451	451
	6	543	543
Df	1	689	689
	2	745	745
Dxp	1	1088	1088
	2	1041	1041
Ec	1	767	767
	2	717	717
	3	724	724
	4	356	356
Ecf	1	915	915

	2	1252	1252
	3	717	717
	4	724	724
	5	564	564
Ef	**1**	882	882
	2	630	630
Exp	**1**	915	915
	2	485	485
F	**1**	235	235
	2	434	434
	3	345	345
Fc	**1**	865	865
	2	888	888
	3	813	813
Ff	**1**	669	669
	2	345	345
G	**1**	412	412
	2	426	426
Gf	**1**	324	324
	2	306	306
xA	**1**	957	957
	2	830	830
xB	**1**	1887	1887
xC	**1**	767	767
	2	734	734
xD	**1**	1088	1088
	2	1041	1041
xE	**1**	915	915
	2	485	485
xF	**1**	881	881
Cc1	**1**	663	663
E1	**1**	425	425
	2	457	457
Gf1	**1**	208	208
Cc2	**2**	991	991
	3	494	494
	4	1037	1037
	5	719	719
	6	524	524
E2	**3**	324	324
	4	306	306
TC5	**2**	779	779
	3	830	830
	4	0	0
TC9	**1**	1399	1399
	2	697	697
	3	589	589
TC35	**1**	178	178
TC36	**1**	431	431
TC37	**1**	78	78
TC38	**1**	78	78
TC39	**2**	779	779
	3	830	830
TC40	**2**	857	857
	3	830	830

TC41	**1**	353	353
TC42	**1**	0	0
TC43	**1**	0	0
47	**1**	1501	1501
48	**1**	1102	1102
49	**1**	1399	1399
	2	1286	1286
50	**1**	1485	1485
51	**1**	1014	1014
52	**1**	63	63
53	**1**	63	63

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	
Bcf	**1**	769-1	A	
	2	769-1	A	
	3	769-1	A	
	4	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	
53	1	771-2	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	5.55	48.00	✓	Straight	Straight Movement
	2	1	Af/1	A/2	5.71	48.00	✓	Straight	Straight Movement
	3	1	Af/2	A/3	5.82	48.00	✓	Straight	Straight Movement
	4	1	Af/3	A/4	5.93	48.00	✓	Straight	Straight Movement
Ac	1	1	Acf/1	Ac/1	7.17	48.00	✓	Offside	44.58
	2	1	Acf/1	Ac/2	9.47	35.00	✓	Offside	41.96
	3	1	Acf/2	Ac/3	6.56	48.00	✓	Offside	38.65
Acf	1	1	F/2	Acf/1	5.19	48.00	✓	Straight	Straight Movement

	2	**1**	F/3	Acf/2	7.21	35.00	✓	Straight	Straight Movement
Af	**1**	**1**	TC42/1	Af/1	6.44	30.00	✓	Nearside	10.75
	2	**1**	TC42/1	Af/2	6.40	30.00	✓	Nearside	10.75
	3	**1**	TC42/1	Af/3	6.38	30.00	✓	Nearside	10.75
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	4.54	48.00	✓	Nearside	56.01
	2	**1**	A/2	Bcf/2	6.70	34.00	✓	Nearside	59.33
	3	**1**	A/3	Bcf/3	6.70	34.00	✓	Nearside	62.64
	4	**1**	A/4	Bcf/4	6.70	34.00	✓	Nearside	65.95
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	18.84	35.00	✓	Straight	Straight Movement
	2	**1**	Ec/3	Fc/2	18.66	35.00	✓	Straight	Straight Movement
	3	**1**	Ec/4	Fc/3	18.54	35.00	✓	Straight	Straight Movement
Ff	**1**	**1**	51/1	Ff/1	33.09	30.00	✓	Straight	Straight Movement
	2	**1**	51/1	Ff/2	33.05	30.00	✓	Straight	Straight Movement
G	**1**	**1**	Gf/1	G/1	15.98	35.00	✓	Offside	88.54
	2	**1**	Gf/2	G/2	11.38	48.00	✓	Offside	85.22
Gf	**1**	**1**	E2/3	Gf/1	3.04	48.00	✓	Straight	Straight Movement
	2	**1**	E2/4	Gf/2	3.00	48.00	✓	Straight	Straight Movement
xA	**1**	**1**	F/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	**1**	F/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
xB	**1**	**1**	Bcf/1	xB/1	5.79	48.00	✓	Nearside	59.55
xC	**1**	**1**	G/1	xC/1	8.67	48.00	✓	Straight	Straight Movement
	2	**1**	G/2	xC/2	8.70	48.00	✓	Straight	Straight Movement
xD	**1**	**1**	Dxp/1	xD/1	9.11	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	12.19	48.00	✓	Straight	Straight Movement
Cc1	**1**	**1**	B/1	Cc1/1	8.63	40.00	✓	Straight	Straight Movement
E1	**1**	**1**	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	**1**	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96
Gf1	**1**	**1**	Ecf/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**	Fc/3	52/1	4.29	30.00	✓	Offside	5.48
53	**1**	**1**	52/1	53/1	12.88	30.00	✓	Nearside	34.56
Acf	**1**	**2**	Fc/3	Acf/1	5.19	48.00	✓	Straight	Straight Movement
	2	**2**	Fc/3	Acf/2	7.21	35.00	✓	Straight	Straight Movement
Af	**1**	**2**	TC9/1	Af/1	6.44	30.00	✓	Straight	Straight Movement
	2	**2**	TC9/2	Af/2	6.40	30.00	✓	Straight	Straight Movement
	3	**2**	TC9/3	Af/3	6.38	30.00	✓	Straight	Straight Movement
Bcf	**1**	**2**	Ac/1	Bcf/1	3.82	57.00	✓	Straight	Straight Movement
	2	**2**	Ac/2	Bcf/2	4.00	57.00	✓	Straight	Straight Movement
	3	**2**	Ac/3	Bcf/3	4.00	57.00	✓	Straight	Straight Movement
	4	**2**	Ac/3	Bcf/4	4.00	57.00	✓	Straight	Straight Movement
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	20.61	32.00	✓	Nearside	58.94
	2	2	E1/1	Fc/2	20.41	32.00	✓	Nearside	60.85
	3	2	E1/2	Fc/3	20.28	32.00	✓	Nearside	64.16
G	1	2	Gf1/1	G/1	15.98	35.00	✓	Offside	17.91
	2	2	Gf1/1	G/2	11.38	48.00	✓	Offside	15.13
xA	1	2	Fc/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	2	Fc/2	xA/2	17.25	48.00	✓	Straight	Straight Movement
xC	1	2	Cc1/1	xC/1	8.67	48.00	✓	Nearside	56.51
	2	2	Cc1/1	xC/2	8.70	48.00	✓	Nearside	57.28
xF	1	2	E1/1	xF/1	12.19	48.00	✓	Nearside	40.67
Cc1	1	2	Bc/1	Cc1/1	6.39	54.00	✓	Straight	Straight Movement
Cc2	2	2	Bc/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
Acf	1	3	Fc/2	Acf/1	5.19	48.00	✓	Straight	Straight Movement
Af	1	3	TC41/1	Af/1	6.44	30.00	✓	Offside	6.23
	2	3	TC41/1	Af/2	6.40	30.00	✓	Offside	6.23
	3	3	TC41/1	Af/3	6.38	30.00	✓	Offside	6.23
Bcf	1	3	53/1	Bcf/1	7.27	30.00	✓	Offside	18.14
Dcf	4	3	Cc2/5	Dcf/4	8.12	30.00	✓	Straight	Straight Movement
xA	2	3	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
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	l1	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	321
	49	l1	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	139
	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	306
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	416
	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	2
	110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	28
	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	697
	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	259
	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	8
	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	0
	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	324
	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	129
	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	85
	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	360
	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	182
	161		B28	E28	48/1, Cf/1, C/2, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	55
	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	2
	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	11
	170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	181
	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	95
	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	299
	179		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	165
	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	7
	184		C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	66
	185		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	56
	186		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	20
	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	87
	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	93
	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	260
	200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	125
	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	11
	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
	205		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/2, Ecf/2, Exp/2, xE/2	Normal	117
	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	320
	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	299
	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	240
	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	6
	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	320
	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	46
	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	69
	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	1
	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	3
	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	5
	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	12
	417		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	42
	418		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	371
	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	6
	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	88
	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	43
	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	148

	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	55
	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	55
	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	36
	465		A28	E28	50/1, Bf/1, B/2, Cc2/3, Dcf/3, Dc/1, Ecf/1, Exp/1, xE/1	Normal	304
	466		A28	D28	50/1, Bf/1, B/2, Cc2/3, Dcf/4, Dc/2, Ecf/2, Ec/1, xF/1	Normal	1
	467		A28	A28	50/1, Bf/2, B/4, Cc2/6, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, 52/1, 53/1, Bcf/1, xB/1	Normal	2
	468		B28	A28	48/1, Cf/2, C/3, Dcf/6, Dc/4, Ecf/5, Ec/4, Fc/3, 52/1, 53/1, Bcf/1, xB/1	Normal	0
	469		C28	A28	Df/2, D/4, Ecf/5, Ec/4, Fc/3, 52/1, 53/1, Bcf/1, xB/1	Normal	14
	470		E28	A28	Ef/1, E1/2, Fc/3, 52/1, 53/1, Bcf/1, xB/1	Normal	47

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	308	2050	8	308	100	-10	212.40	19.89	154.58	217.95
		2	(untitled)	E	218	2050	8	308	71	27	52.14	4.48	33.79	57.85
		3	(untitled)	E	233	2050	8	308	76	19	36.73	4.43	32.79	42.55
		4	(untitled)	E	308	2050	8	308	100	-10	212.49	19.89	144.55	218.42
	Ac	1	(untitled)	D	768	2263	26	997	77	17	21.16	8.46	50.88	28.33
		2	(untitled)	D	503	2263	26	974	52	74	3.74	7.09	44.25	13.21
		3	(untitled)	D	346	2263	26	1010	34	163	2.60	7.08	46.50	9.17
	Acf	1	(untitled)		1271	2263	60	2263	56	60	1.02	0.36	2.98	6.21
		2	(untitled)		346	2263	60	2263	15	489	0.14	0.01	0.11	7.36
	Af	1	(untitled)		526	2050	60	526	100	-10	113.44	19.68	210.73	119.89
		2	(untitled)		233	2050	60	2050	11	694	0.11	0.01	0.08	6.51
		3	(untitled)		308	2050	60	308	100	-10	177.40	16.99	183.76	183.78
	B	1	(untitled)	B	474	2050	13	478	99	-9	94.18	16.49	100.15	101.28
		2	(untitled)	B	331	2150	13	327	101	-11	170.72	18.42	109.00	178.01
		3	(untitled)	B	317	2100	13	460	69	31	29.67	4.98	28.70	37.15
		4	(untitled)	B	363	2050	13	478	76	19	32.89	6.40	35.93	45.19
	Bc	1	(untitled)	A	721	2050	35	1230	59	54	7.74	6.22	26.91	19.70
		2	(untitled)	A	553	2050	35	1230	45	100	8.43	4.23	18.50	20.27
		3	(untitled)	A	333	2050	35	1230	27	232	9.78	4.02	17.75	21.49
	Bcf	1	(untitled)	A	1129	2263	35	1358	83	8	10.44	10.49	99.64	14.62
		2	(untitled)	A	721	2263	35	1312	55	64	2.94	9.04	82.15	7.76
		3	(untitled)	A	553	2263	35	1358	41	121	2.93	8.15	74.02	8.06
		4	(untitled)	A	333	2263	35	1344	25	263	10.36	2.45	22.23	16.86
	Bf	1	(untitled)		805	1800	60	1800	45	101	0.81	0.18	0.46	28.15
		2	(untitled)		680	1800	60	1800	38	138	0.61	0.11	0.29	28.02
	C	1	(untitled)	G	101	2100	20	735	14	555	13.71	1.46	6.93	28.25
		2	(untitled)	G	703	2200	20	770	91	-1	40.25	14.74	69.05	54.97
		3	(untitled)	G	299	2050	20	718	42	116	16.69	3.72	17.20	31.61
	Cf	1	(untitled)		637	1965	60	1965	32	178	0.44	0.08	0.31	17.79
		2	(untitled)		466	1965	60	1965	24	280	0.28	0.04	0.15	17.79
	D	1	(untitled)	B	423	2050	12	444	95	-5	72.65	11.86	124.00	76.77
		2	(untitled)	B	266	1850	12	401	66	36	30.20	4.26	44.57	34.32

		3	(untitled)	B	365	2250	12	488	75	20	32.66	6.27	68.24	36.62
		4	(untitled)	B	380	2250	12	488	78	15	34.72	6.73	69.84	38.88
	Dc	1	(untitled)	A	806	2100	38	1365	59	52	9.67	6.80	76.81	15.78
		2	(untitled)	A	654	2100	38	1365	48	88	6.43	5.40	63.36	12.31
		3	(untitled)	A	434	2100	38	1365	32	183	2.87	1.52	18.63	8.51
		4	(untitled)	A	439	2100	38	1365	32	180	0.94	0.22	2.77	6.35
	Dcf	1	(untitled)		778	2050	60	2050	38	137	0.54	0.12	1.02	5.44
		2	(untitled)		565	2100	60	2100	27	234	0.32	0.05	0.44	5.21
		3	(untitled)		806	2100	60	2100	38	134	0.53	0.12	1.05	6.70
		4	(untitled)		654	2100	60	2100	31	189	0.39	0.07	0.60	7.40
		5	(untitled)		434	2100	60	2100	21	335	0.22	0.03	0.23	6.24
		6	(untitled)		439	2050	60	2050	21	320	0.24	0.03	0.25	8.18
	Df	1	(untitled)		689	1900	60	1900	36	148	0.54	0.10	0.30	24.54
		2	(untitled)		745	2250	60	2250	33	172	0.40	0.08	0.24	24.40
	Dxp	1	(untitled)	D	778	2050	42	1469	53	70	1.70	0.71	8.90	5.13
		2	(untitled)	D	640	2050	42	1469	44	107	0.99	4.23	50.58	4.60
	Ec	1	(untitled)	F	665	2150	40	1469	45	99	3.87	2.66	30.51	7.63
		2	(untitled)	F	700	2263	40	1546	45	99	3.41	5.08	60.26	7.04
		3	(untitled)	F	725	2263	40	1546	47	92	1.03	0.21	2.54	4.53
		4	(untitled)	F	356	2250	40	1538	23	289	0.39	0.14	1.84	5.81
	Ecf	1	(untitled)		911	2100	60	2097	43	107	0.67	4.81	60.15	4.11
		2	(untitled)		972	2100	60	2100	46	94	0.74	0.20	2.47	4.22
		3	(untitled)		700	2263	60	2263	31	191	0.36	0.07	0.85	4.68
		4	(untitled)		725	2300	60	2300	32	186	0.36	0.07	0.88	5.00
		5	(untitled)		459	2300	60	2300	20	351	0.20	0.02	0.29	5.65
	Ef	1	(untitled)		882	1900	60	696	127	-29	399.01	106.31	479.27	414.31
		2	(untitled)		630	1900	60	1900	33	171	0.47	0.08	0.37	15.78
	Exp	1	(untitled)	L	911	2050	42	1469	62	45	3.04	5.19	57.54	6.93
		2	(untitled)	L	307	2050	42	1469	21	331	0.48	0.07	0.80	4.51
	F	1	(untitled)	B	235	2100	12	455	52	74	24.93	3.47	23.46	31.31
		2	(untitled)	B	434	2100	12	455	95	-6	72.57	12.15	81.52	79.00
		3	(untitled)	B	345	2100	12	455	76	19	34.03	6.09	40.11	40.57

Fc	**1**	(untitled)	A	817	2263	38	1471	56	62	2.39	2.42	7.61	21.49
	2	(untitled)	A	854	2263	38	1409	61	49	4.48	3.52	11.17	23.40
	3	(untitled)	A	718	2263	38	1339	54	68	7.33	8.38	26.72	26.75
Ff	**1**	(untitled)		669	1900	60	1900	35	156	0.51	0.10	0.20	33.60
	2	(untitled)		345	1900	60	1900	18	396	0.21	0.02	0.04	33.26
G	**1**	(untitled)	F	354	2050	20	690	51	75	33.76	7.09	26.22	49.74
	2	(untitled)	F	379	2050	20	690	55	64	36.56	9.61	36.40	47.94
Gf	**1**	(untitled)		324	2050	60	2050	16	469	0.16	0.01	0.21	3.20
	2	(untitled)		306	2050	60	2050	15	503	0.15	0.01	0.19	3.16
xA	**1**	(untitled)		909	2263	60	2212	41	119	0.65	2.46	6.16	17.87
	2	(untitled)		824	2263	60	1323	62	45	5.12	3.46	8.64	22.37
xB	**1**	(untitled)		1129	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	**1**	(untitled)		701	1900	60	785	89	1	27.10	15.00	74.63	35.77
	2	(untitled)		545	1900	60	921	59	52	12.10	12.02	59.61	20.80
xD	**1**	(untitled)		778	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.11
	2	(untitled)		640	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.16
xE	**1**	(untitled)		911	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		307	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	**1**	(untitled)		755	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
Cc1	**1**	(untitled)	E	514	2050	25	888	58	56	25.14	8.32	49.95	31.79
E1	**1**	(untitled)	G	335	2050	9	342	98	-8	200.65	21.14	151.95	206.65
	2	(untitled)	G	361	2200	9	367	98	-8	179.71	20.64	148.37	185.71
Gf1	**1**	(untitled)		103	675	60	675	15	490	1.31	0.20	2.42	7.05
Cc2	**2**	(untitled)	D	681	2150	26	959	71	27	10.99	4.17	26.22	20.29
	3	(untitled)	D	489	2050	26	923	53	70	2.92	0.48	3.02	12.90
	4	(untitled)	D	561	2150	26	959	59	54	19.94	8.39	53.37	26.04
	5	(untitled)	D	422	2050	26	913	46	95	9.87	2.67	16.97	17.57
	6	(untitled)	D	420	2050	26	923	46	98	3.81	2.33	15.22	11.46
E2	**3**	(untitled)	H	324	2150	9	343	94	-5	79.48	9.84	106.16	83.47
	4	(untitled)	H	306	2050	9	342	90	0	61.38	7.82	82.80	65.45
TC5	**2**	(untitled)	A	751	2263	33	1320	57	58	4.16	2.67	66.59	6.92
	3	(untitled)	A	824	2263	33	1320	62	44	7.52	3.41	85.29	10.29

	4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
TC9	1	(untitled)	B	304	1925	34	304	100	-10	258.25	24.20	151.73	269.25
	2	(untitled)	B	222	1966	34	1212	18	393	1.33	1.47	9.16	12.40
	3	(untitled)	B	188	1947	34	188	100	-10	400.26	22.32	138.48	411.39
TC35	1	(untitled)	A	158	1900	33	1108	14	530	7.95	1.46	34.78	10.85
TC36	1	(untitled)		431	1800	60	1800	24	276	0.31	0.04	0.86	3.34
TC37	1	(untitled)	J	78	1850	45	1418	5	1537	1.82	0.30	3.96	5.01
TC38	1	(untitled)		78	434	60	434	18	400	2.34	2.44	65.68	3.88
TC39	2	(untitled)		751	2263	60	2263	33	171	0.39	0.08	1.34	2.93
	3	(untitled)		824	2263	60	2263	36	147	0.46	0.10	1.80	2.85
TC40	2	(untitled)		829	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
	3	(untitled)		824	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
TC41	1	(untitled)	D	353	1850	16	524	67	34	26.02	5.53	58.17	29.95
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)		1247	1300	60	1300	96	-6	24.01	8.31	35.77	40.04
48	1	(untitled)		1103	1965	60	1965	56	60	1.17	0.36	3.74	7.78
49	1	(untitled)		1399	1900	60	304	461	-80	1411.48	552.74	12110.77	1414.63
	2	(untitled)		1287	1900	60	409	315	-71	1231.48	445.82	9768.06	1234.63
50	1	(untitled)		1485	1900	60	1900	78	15	3.35	1.38	16.53	9.13
51	1	(untitled)		1014	1900	60	1900	53	69	1.08	0.30	4.68	5.58
52	1			53	1800	60	1800	3	2941	0.03	0.00	0.01	4.32
53	1		A	53	1800	11	360	15	508	16.65	0.87	4.65	29.53

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	9	40	31	1	7
	2	✓	2	B	51	4	13	1	7
769-2	1	✓	4	D,E,H,I	56	13	17	1	1
	2	✓	5	F,G,J,K	27	41	14	1	7
770-1	1	✓	1	A,C	5	41	36	1	5
	2	✓	2	B	48	0	12	1	7
770-2	1	✓	4	D	58	40	42	1	7
	2	✓	5	E	45	51	6	1	5
770-3	1	✓	7	F,I,J	52	27	35	1	2
	2	✓	9	G,H	38	40	2	1	1

770-4	**1**	✓	11	L	7	49	42	1	7
	2	✓	12	M	54	0	6	1	6
771-1	**1**	✓	1	A,C	5	37	32	1	9
	2	✓	3	B	48	0	12	1	7
771-2	**1**	✓	5	D	3	29	26	1	7
	2	✓	6	E	34	42	8	1	7
	3	✓	3	A	47	58	11	1	7
TC777-1	**1**	✓	1	A,B,F	23	56	33	1	7
	2	✓	5	D,H,I	3	17	14	1	6
TC777-2	**1**	✓	1	J	41	26	45	1	7
	2	✓	2	K	31	36	5	1	5

Data Entry - Phase

Phase

Controller Stream	Phase	Phase	Street minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type
769-1	**A**	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	7	300	0	0	Pedestrian
769-2	**D**	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	4	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	5	300	0	0	Pedestrian
	I	I	7	300	0	0	Pedestrian
	J	J	10	300	0	0	Pedestrian
	K	K	5	300	0	0	Pedestrian
770-1	**A**	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	5	300	0	0	Pedestrian
770-2	**D**	D	7	300	0	0	Traffic
	E	E	5	300	0	0	Pedestrian
770-3	**F**	F	7	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	4	300	0	0	Traffic
	I	I	5	300	0	0	Pedestrian
	J	J	5	300	0	0	Pedestrian
	K	K	10	300	0	0	Pedestrian
770-4	**L**	L	7	300	0	0	Traffic
	M	M	6	300	0	0	Pedestrian
771-1	**A**	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	9	300	0	0	Pedestrian
771-2	**A**	A	7	300	0	0	Traffic
	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**	✓	73.98	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	2	✓	76.16	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	3	✓	77.64	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
	4	✓	79.12	CTM	0.00	Normal	✓	✓		Directly entered	2050	20	0
Ac	**1**	✓	95.60	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	92.09	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	87.52	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
Acf	**1**	✓	69.20	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	70.11	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Af	**1**	✓	53.70	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	53.35	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	53.16	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**	✓	60.55	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	63.28	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	63.30	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	4	✓	63.32	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
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**	✓	183.21	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	181.45	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**	✓	162.53	NetworkDefault	0.00	Normal						100	100
Cc1	**1**	✓	95.84	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E1	**1**		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	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**	✓	35.74	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
53	**1**	✓	107.36	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1800	100	500

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	6	0.00	0.00
		2	0	0	6	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	39	0.00	0.00
		2	0	0	39	0.00	0.00
	5	1	0	0	39	0.00	0.00
		2	0	0	39	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	32	0.00	0.00
		2	0	0	32	0.00	0.00
	8	1	0	0	31	0.00	0.00
		2	0	0	31	0.00	0.00
	9	1	0	0	17	0.00	0.00
		2	0	0	17	0.00	0.00
	10	1	0	0	22	0.00	0.00
		2	0	0	22	0.00	0.00
	11	1	0	0	23	0.00	0.00
		2	0	0	23	0.00	0.00
	12	1	0	0	23	0.00	0.00
		2	0	0	23	0.00	0.00
	13	1	0	0	16	0.00	0.00
		2	0	0	16	0.00	0.00
	14	1	0	0	34	0.00	0.00
		2	0	0	34	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	14	0.00	0.00
		2	0	0	14	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	206.8	231.7	174.1	116.1	219.4	160.5	179.9	0.0
	B28	168.1	0.0	75.8	128.0	129.8	126.9	135.5	0.0
	C28	164.8	183.1	0.0	122.6	132.7	111.7	122.2	0.0
	D28	164.6	265.0	176.3	0.0	188.2	105.2	117.2	0.0

	E28	676.2	213.8	722.6	633.2	727.5	669.8	680.3	0.0
	F28	387.5	335.1	309.4	507.1	529.8	0.0	16.5	0.0
	G28	2047.6	2091.4	1570.9	2157.1	2150.5	2182.8	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	132.69	526.66	0.00	0.00	0.00	105	132.69	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	321	667.43	690.32	0.00	0.00	0.00	321	667.43	690.32
49	C28	D28	318	122.61	514.00	0.00	0.00	0.00	318	122.61	514.00
50	E28	D28	114	633.15	370.08	0.00	0.00	0.00	114	633.15	370.08
68	E28	G28	139	679.00	737.43	0.00	0.00	0.00	139	679.00	737.43
92	E28	F28	9	669.75	644.57	0.00	0.00	0.00	9	669.75	644.57
100	E28	B28	306	196.56	623.35	0.00	0.00	0.00	306	196.56	623.35
102	A28	C28	416	170.70	694.76	0.00	0.00	0.00	416	170.70	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	2	210.50	716.08	0.00	0.00	0.00	2	210.50	716.08
110	E28	G28	28	686.94	731.08	0.00	0.00	0.00	28	686.94	731.08
112	F28	G28	78	16.46	149.60	0.00	0.00	0.00	78	16.46	149.60
113	F28	A28	126	387.48	345.23	0.00	0.00	0.00	126	387.48	345.23
115	B28	C28	4	75.35	556.36	0.00	0.00	0.00	4	75.35	556.36
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
130	G28	C28	697	1367.39	770.11	0.00	0.00	0.00	697	1367.39	770.11
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	259	135.47	1063.74	0.00	0.00	0.00	259	135.47	1063.74
141	B28	F28	13	126.92	970.89	0.00	0.00	0.00	13	126.92	970.89
142	B28	G28	8	138.13	1059.16	0.00	0.00	0.00	8	138.13	1059.16
143	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
144	B28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
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	168.14	1013.01	0.00	0.00	0.00	19	168.14	1013.01
150	E28	B28	324	230.06	625.89	0.00	0.00	0.00	324	230.06	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	335.05	750.92	0.00	0.00	0.00	29	335.05	750.92
154	E28	A28	129	686.85	691.48	0.00	0.00	0.00	129	686.85	691.48
155	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
156	G28	B28	85	2252.54	1144.90	0.00	0.00	0.00	85	2252.54	1144.90
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	A28	G28	360	182.35	1196.15	0.00	0.00	0.00	360	182.35	1196.15
159	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
160	B28	D28	182	127.96	698.10	0.00	0.00	0.00	182	127.96	698.10
161	B28	E28	55	127.51	713.02	0.00	0.00	0.00	55	127.51	713.02
162	B28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
163	B28	E28	2	127.51	714.28	0.00	0.00	0.00	2	127.51	714.28
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	75.77	553.47	0.00	0.00	0.00	97	75.77	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	2047.63	383.33	0.00	0.00	0.00	836	2047.63	383.33
169	G28	B28	11	1985.04	789.02	0.00	0.00	0.00	11	1985.04	789.02
170	G28	B28	181	1966.35	789.40	0.00	0.00	0.00	181	1966.35	789.40
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	95	542.19	871.67	0.00	0.00	0.00	95	542.19	871.67
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	299	130.05	710.57	0.00	0.00	0.00	299	130.05	710.57
179	B28	E28	165	130.05	711.82	0.00	0.00	0.00	165	130.05	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	309.43	729.98	0.00	0.00	0.00	67	309.43	729.98
182	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
183	A28	E28	7	265.74	854.82	0.00	0.00	0.00	7	265.74	854.82
184	C28	A28	66	146.17	831.10	0.00	0.00	0.00	66	146.17	831.10
185	A28	B28	56	232.56	715.70	0.00	0.00	0.00	56	232.56	715.70
186	A28	C28	20	246.22	699.04	0.00	0.00	0.00	20	246.22	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	87	113.93	744.99	0.00	0.00	0.00	87	113.93	744.99
196	D28	F28	55	105.20	652.14	0.00	0.00	0.00	55	105.20	652.14
197	D28	G28	93	120.17	740.41	0.00	0.00	0.00	93	120.17	740.41
198	D28	A28	6	164.57	701.41	0.00	0.00	0.00	6	164.57	701.41
199	D28	B28	260	270.57	1101.41	0.00	0.00	0.00	260	270.57	1101.41
200	D28	B28	125	253.14	1101.79	0.00	0.00	0.00	125	253.14	1101.79
201	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
202	F28	D28	11	208.59	872.38	0.00	0.00	0.00	11	208.59	872.38
203	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
205	A28	E28	117	122.13	857.96	0.00	0.00	0.00	117	122.13	857.96
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	320	171.14	1078.41	0.00	0.00	0.00	320	171.14	1078.41
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	299	123.66	870.70	0.00	0.00	0.00	299	123.66	870.70
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	240	120.27	880.26	0.00	0.00	0.00	240	120.27	880.26
323	C28	F28	20	111.72	787.41	0.00	0.00	0.00	20	111.72	787.41

324	C28	G28	6	122.13	875.68	0.00	0.00	0.00	6	122.13	875.68
325	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
330	C28	A28	320	168.78	831.86	0.00	0.00	0.00	320	168.78	831.86
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	46	183.70	753.20	0.00	0.00	0.00	46	183.70	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	69	2239.06	1141.72	0.00	0.00	0.00	69	2239.06	1141.72
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	1	193.69	1154.76	0.00	0.00	0.00	1	193.69	1154.76
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	3	276.72	1451.44	0.00	0.00	0.00	3	276.72	1451.44
394	D28	B28	5	264.37	1448.26	0.00	0.00	0.00	5	264.37	1448.26
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	2182.77	1180.65	0.00	0.00	0.00	26	2182.77	1180.65
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	12	121.70	843.04	0.00	0.00	0.00	12	121.70	843.04
417	A28	E28	42	125.62	855.50	0.00	0.00	0.00	42	125.62	855.50
418	G28	C28	371	1953.43	768.08	0.00	0.00	0.00	371	1953.43	768.08
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	6	734.23	1070.54	0.00	0.00	0.00	6	734.23	1070.54
428	E28	C28	88	721.87	1069.38	0.00	0.00	0.00	88	721.87	1069.38
431	D28	C28	43	214.58	1080.47	0.00	0.00	0.00	43	214.58	1080.47
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	148	2157.06	910.75	0.00	0.00	0.00	148	2157.06	910.75
452	G28	E28	262	2150.54	925.66	0.00	0.00	0.00	262	2150.54	925.66
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	727.50	1219.92	0.00	0.00	0.00	1	727.50	1219.92
457	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
458	D28	E28	17	188.16	1232.20	0.00	0.00	0.00	17	188.16	1232.20
459	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
460	F28	E28	25	529.80	886.59	0.00	0.00	0.00	25	529.80	886.59
461	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
462	A28	G28	55	169.08	1205.17	0.00	0.00	0.00	55	169.08	1205.17
463	A28	F28	55	160.50	1112.32	0.00	0.00	0.00	55	160.50	1112.32
464	A28	G28	36	171.64	1200.59	0.00	0.00	0.00	36	171.64	1200.59
465	A28	E28	304	268.67	852.36	0.00	0.00	0.00	304	268.67	852.36
466	A28	D28	1	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00
467	A28	A28	2	219.32	1133.07	0.00	0.00	0.00	2	219.32	1133.07
468	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
469	C28	A28	14	161.86	810.17	0.00	0.00	0.00	14	161.86	810.17
470	E28	A28	47	707.03	668.62	0.00	0.00	0.00	47	707.03	668.62

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	308 <	2050	8	0.00	100	-10	217.95	212.40	287.76	19.89 +	20	0	0.00	51.52
	2	(untitled)	6	771-2	E	218	2050	8	2.00	71	27	57.85	52.14	121.77	4.48	20	0	0.00	8.98
	3	(untitled)	6	771-2	E	233	2050	8	0.00	76	19	42.55	36.73	109.13	4.43	20	0	0.00	6.74
	4	(untitled)	6	771-2	E	308 <	2050	8	0.00	100	-10	218.42	212.49	287.46	19.89 +	20	0	0.00	51.55
Ac	**1**	(untitled)	6	771-2	D	768	2263	26	3.57	77	17	28.33	21.16	60.16	8.46	100	500	0.00	138.34
	2	(untitled)	6	771-2	D	503	2263	26	4.18	52	74	13.21	3.74	26.32	7.09	100	500	0.00	18.70
	3	(untitled)	6	771-2	D	346	2263	26	16.21	34	163	9.17	2.60	41.48	7.08	100	500	0.00	26.57

Acf	**1**	(untitled)	6			1271	2263	60	22.00	56	60	6.21	1.02	0.00	0.36	100	100	0.00	5.10
	2	(untitled)	6			346	2263	60	47.00	15	489	7.36	0.14	0.00	0.01	100	100	0.00	0.20
Af	**1**	(untitled)	6			526 <	2050	60	44.61	100	-10	119.89	113.44	197.20	19.68 +	100	100	0.00	248.24
	2	(untitled)	6			233	2050	60	35.00	11	694	6.51	0.11	0.00	0.01	100	100	0.00	0.10
	3	(untitled)	6			308 <	2050	60	51.00	100	-10	183.78	177.40	225.18	16.99 +	100	100	0.00	223.85
B	**1**	(untitled)	1	769-1	B	474 <	2050	13	0.00	99	-9	101.28	94.18	175.56	16.49 +	20	0	0.00	35.22
	2	(untitled)	1	769-1	B	331 <	2150	13	4.87	101	-11	178.01	170.72	255.60	18.42 +	20	0	0.00	44.58
	3	(untitled)	1	769-1	B	317	2100	13	0.86	69	31	37.15	29.67	93.68	4.98	20	0	0.00	7.42
	4	(untitled)	1	769-1	B	363	2050	13	0.00	76	19	45.19	32.89	104.89	6.40	20	0	0.00	9.42
Bc	**1**	(untitled)	1	769-1	A	721	2050	35	5.00	59	54	19.70	7.74	36.14	6.22	100	500	0.00	51.05
	2	(untitled)	1	769-1	A	553	2050	35	19.00	45	100	20.27	8.43	46.09	4.23	100	500	0.00	46.76
	3	(untitled)	1	769-1	A	333	2050	35	22.00	27	232	21.49	9.78	55.64	4.02	100	500	0.00	33.53
Bcf	**1**	(untitled)	1	769-1	A	1129	2263	35	4.00	83	8	14.62	10.44	44.84	10.49	100	500	0.00	148.08
	2	(untitled)	1	769-1	A	721	2263	35	6.22	55	64	7.76	2.94	20.20	9.04	100	500	0.00	34.89
	3	(untitled)	1	769-1	A	553	2263	35	20.00	41	121	8.06	2.93	28.53	8.15	100	500	0.00	32.38
	4	(untitled)	1	769-1	A	333	2263	35	22.38	25	263	16.86	10.36	45.68	2.45	100	500	0.00	27.60
Bf	**1**	(untitled)	1			805	1800	60	0.00	45	101	28.15	0.81	0.00	0.18	100	100	0.00	2.57
	2	(untitled)	1			680	1800	60	0.00	38	138	28.02	0.61	0.00	0.11	100	100	0.00	1.63
C	**1**	(untitled)	2	769-2	G	101	2100	20	0.00	14	555	28.25	13.71	65.65	1.46	20	0	0.00	1.09
	2	(untitled)	2	769-2	G	703	2200	20	0.00	91	-1	54.97	40.25	121.80	14.74	20	0	0.00	22.32
	3	(untitled)	2	769-2	G	299	2050	20	0.00	42	116	31.61	16.69	74.62	3.72	20	0	0.00	3.94
Cf	**1**	(untitled)	2			637	1965	60	0.00	32	178	17.79	0.44	0.00	0.08	100	100	0.00	1.10
	2	(untitled)	2			466	1965	60	0.00	24	280	17.79	0.28	0.00	0.04	100	100	0.00	0.52
D	**1**	(untitled)	3	770-1	B	423 <	2050	12	0.00	95	-5	76.77	72.65	153.33	11.86 +	20	0	0.00	24.24
	2	(untitled)	3	770-1	B	266	1850	12	0.00	66	36	34.32	30.20	95.64	4.26	20	0	0.00	6.34
	3	(untitled)	3	770-1	B	365	2250	12	0.00	75	20	36.62	32.66	102.09	6.27	20	0	0.00	9.40
	4	(untitled)	3	770-1	B	380	2250	12	0.00	78	15	38.88	34.72	105.10	6.73	20	0	0.00	10.41
Dc	**1**	(untitled)	3	770-1	A	806	2100	38	13.00	59	52	15.78	9.67	48.24	6.80	100	500	0.00	55.14
	2	(untitled)	3	770-1	A	654	2100	38	8.00	48	88	12.31	6.43	48.83	5.40	100	500	0.00	36.61
	3	(untitled)	3	770-1	A	434	2100	38	14.00	32	183	8.51	2.87	16.19	1.52	100	500	0.00	9.33
	4	(untitled)	3	770-1	A	439	2100	38	14.00	32	180	6.35	0.94	2.96	0.22	100	500	0.00	2.44
Dcf	**1**	(untitled)	3			778	2050	60	16.00	38	137	5.44	0.54	0.00	0.12	100	100	0.00	1.65

	2	(untitled)	3			565	2100	60	35.00	27	234	5.21	0.32	0.00	0.05	100	100	0.00	0.70
	3	(untitled)	3			806	2100	60	25.00	38	134	6.70	0.53	0.00	0.12	100	100	0.00	1.70
	4	(untitled)	3			654	2100	60	16.00	31	189	7.40	0.39	0.00	0.07	100	100	0.00	1.00
	5	(untitled)	3			434	2100	60	21.00	21	335	6.24	0.22	0.00	0.03	100	100	0.00	0.38
	6	(untitled)	3			439	2050	60	34.00	21	320	8.18	0.24	0.00	0.03	100	100	0.00	0.41
Df	**1**	(untitled)	3-2			689	1900	60	0.00	36	148	24.54	0.54	0.00	0.10	100	100	0.00	1.46
	2	(untitled)	3-2			745	2250	60	0.00	33	172	24.40	0.40	0.00	0.08	100	100	0.00	1.16
Dxp	**1**	(untitled)	3-2	770-2	D	778	2050	42	4.00	53	70	5.13	1.70	5.23	0.71	100	100	0.00	6.52
	2	(untitled)	3-2	770-2	D	640	2050	42	12.00	44	107	4.60	0.99	4.46	4.23	100	100	0.00	3.41
Ec	**1**	(untitled)	4	770-3	F	665	2150	40	9.00	45	99	7.63	3.87	23.77	2.66	100	500	0.00	35.53
	2	(untitled)	4	770-3	F	700	2263	40	8.00	45	99	7.04	3.41	34.90	5.08	100	500	0.00	48.65
	3	(untitled)	4	770-3	F	725	2263	40	14.00	47	92	4.53	1.03	0.00	0.21	100	500	0.00	2.93
	4	(untitled)	4	770-3	F	356	2250	40	25.00	23	289	5.81	0.39	2.43	0.14	100	500	0.00	1.09
Ecf	**1**	(untitled)	4			911	2100	60	21.07	43	107	4.11	0.67	1.34	4.81	100	100	0.00	2.79
	2	(untitled)	4			972	2100	60	16.00	46	94	4.22	0.74	0.00	0.20	100	100	0.00	2.83
	3	(untitled)	4			700	2263	60	22.00	31	191	4.68	0.36	0.00	0.07	100	100	0.00	0.98
	4	(untitled)	4			725	2300	60	33.00	32	186	5.00	0.36	0.00	0.07	100	100	0.00	1.03
	5	(untitled)	4			459	2300	60	36.00	20	351	5.65	0.20	0.00	0.02	100	100	0.00	0.35
Ef	**1**	(untitled)	4			882 <	1900	60	38.03	127	-29	414.31	399.01	340.12	106.31 +	100	100	0.00	1417.82
	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	911	2050	42	13.00	62	45	6.93	3.04	19.06	5.19	100	100	0.00	16.52
	2	(untitled)	4-2	770-4	L	307	2050	42	12.00	21	331	4.51	0.48	1.46	0.07	100	100	0.00	0.73
F	**1**	(untitled)	5	771-1	B	235	2100	12	0.00	52	74	31.31	24.93	88.53	3.47	20	0	0.00	4.62
	2	(untitled)	5	771-1	B	434	2100	12	0.00	95	-6	79.00	72.57	153.19	12.15	20	0	0.00	24.85
	3	(untitled)	5	771-1	B	345	2100	12	0.00	76	19	40.57	34.03	103.72	6.09	20	0	0.00	9.26
Fc	**1**	(untitled)	5	771-1	A	817	2263	38	5.00	56	62	21.49	2.39	17.33	2.42	100	500	0.00	19.51
	2	(untitled)	5	771-1	A	854	2263	38	11.63	61	49	23.40	4.48	26.16	3.52	100	500	0.00	33.66
	3	(untitled)	5	771-1	A	718	2263	38	17.49	54	68	26.75	7.33	64.80	8.38	100	500	0.00	57.20
Ff	**1**	(untitled)	5			669	1900	60	0.00	35	156	33.60	0.51	0.00	0.10	100	100	0.00	1.36
	2	(untitled)	5			345	1900	60	0.00	18	396	33.26	0.21	0.00	0.02	100	100	0.00	0.29
G	**1**	(untitled)	2	769-2	F	354	2050	20	9.80	51	75	49.74	33.76	107.86	7.09	100	500	0.00	79.72
	2	(untitled)	2	769-2	F	379	2050	20	9.80	55	64	47.94	36.56	112.01	9.61	100	500	0.00	122.76

Gf	**1**	(untitled)	4			324	2050	60	50.00	16	469	3.20	0.16	0.00	0.01	100	100	0.00	0.21
	2	(untitled)	4			306	2050	60	50.00	15	503	3.16	0.15	0.00	0.01	100	100	0.00	0.19
xA	**1**	(untitled)	10			909	2263	60	13.36	41	119	17.87	0.65	5.22	2.46	100	100	0.00	3.84
	2	(untitled)	10			824	2263	60	31.91	62	45	22.37	5.12	25.25	3.46	100	100	0.00	23.32
xB	**1**	(untitled)				1129	Unrestricted	60	17.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	**1**	(untitled)				701	1900	60	37.22	89	1	35.77	27.10	88.17	15.00	100	100	0.00	94.82
	2	(untitled)				545	1900	60	36.92	59	52	20.80	12.10	54.61	12.02	100	100	0.00	35.58
xD	**1**	(untitled)				778	Unrestricted	60	12.00	0	Unrestricted	9.11	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				640	Unrestricted	60	21.00	0	Unrestricted	9.16	0.00	0.00	0.00	100	100	0.00	0.00
xE	**1**	(untitled)				911	Unrestricted	60	6.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				307	Unrestricted	60	19.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	**1**	(untitled)				755	Unrestricted	60	6.00	0	Unrestricted	12.19	0.00	0.00	0.00	100	100	0.00	0.00
Cc1	**1**	(untitled)	2	769-2	E	514	2050	25	4.00	58	56	31.79	25.14	88.92	8.32	100	100	0.00	68.56
E1	**1**	(untitled)	4	770-3	G	335 <	2050	9	0.00	98	-8	206.65	200.65	289.30	21.14 +	20	0	0.00	53.07
	2	(untitled)	4	770-3	G	361 <	2200	9	0.00	98	-8	185.71	179.71	286.61	20.64 +	20	0	0.00	51.11
Gf1	**1**	(untitled)	4			103	675	60	28.00	15	490	7.05	1.31	11.49	0.20	100	100	0.00	0.68
Cc2	**2**	(untitled)	2	769-2	D	681	2150	26	4.23	71	27	20.29	10.99	35.96	4.17	100	500	0.00	52.17
	3	(untitled)	2	769-2	D	489	2050	26	12.00	53	70	12.90	2.92	5.83	0.48	100	500	0.00	7.91
	4	(untitled)	2	769-2	D	561	2150	26	4.23	59	54	26.04	19.94	74.20	8.39	100	500	0.00	127.40
	5	(untitled)	2	769-2	D	422	2050	26	5.28	46	95	17.57	9.87	33.80	2.67	100	500	0.00	38.52
	6	(untitled)	2	769-2	D	420	2050	26	8.00	46	98	11.46	3.81	11.58	2.33	100	500	0.00	12.33
E2	**3**	(untitled)	4	770-3	H	324 <	2150	9	0.42	94	-5	83.47	79.48	162.89	9.84 +	20	0	0.00	20.31
	4	(untitled)	4	770-3	H	306	2050	9	0.00	90	0	65.45	61.38	140.59	7.82	20	0	0.00	14.82
TC5	**2**	(untitled)	TC771-6	TC777-1	A	751	2263	33	5.00	57	58	6.92	4.16	21.29	2.67	100	100	0.00	14.32
	3	(untitled)	TC771-6	TC777-1	A	824	2263	33	7.00	62	44	10.29	7.52	24.83	3.41	100	100	0.00	27.02
	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	304 <	1925	34	27.53	100	-10	269.25	258.25	493.53	24.20 +	100	100	0.00	328.20
	2	(untitled)	TC771-6	TC777-1	B	222	1966	34	12.00	18	393	12.40	1.33	17.05	1.47	100	100	0.00	1.64
	3	(untitled)	TC771-6	TC777-1	B	188 <	1947	34	31.22	100	-10	411.39	400.26	533.16	22.32 +	100	100	0.00	308.56

TC35	1	(untitled)	TC771-6	TC777-1	A	158	1900	33	9.00	14	530	10.85	7.95	47.36	1.46	100	100	0.00	5.91
TC36	1	(untitled)	TC771-6			431	1800	60	0.00	24	276	3.34	0.31	0.00	0.04	100	100	0.00	0.54
TC37	1	(untitled)	TC771-6	TC777-2	J	78	1850	45	0.00	5	1537	5.01	1.82	23.46	0.30	100	100	0.00	1.20
TC38	1	(untitled)	TC771-6			78	434	60	0.00	18	400	3.88	2.34	31.51	2.44	100	100	0.00	1.58
TC39	2	(untitled)	TC771-6			751	2263	60	30.00	33	171	2.93	0.39	0.00	0.08	100	100	0.00	1.17
	3	(untitled)	TC771-6			824	2263	60	32.00	36	147	2.85	0.46	0.00	0.10	100	100	0.00	1.48
TC40	2	(untitled)	TC771-6			829	Unrestricted	60	0.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC771-6			824	Unrestricted	60	25.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
TC41	1	(untitled)	TC771-6	TC777-1	D	353	1850	16	0.00	67	34	29.95	26.02	86.48	5.53	100	100	0.00	46.86
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			1247	1300	60	2.00	96	-6	40.04	24.01	0.00	8.31	100	100	0.00	118.04
48	1	(untitled)	2			1103	1965	60	0.00	56	60	7.78	1.17	0.00	0.36	100	100	0.00	5.09
49	1	(untitled)	TC771-6			1399 <	1900	60	50.41	461	-80	1414.63	141 1.48	101 9.74	552.74 +	100	100	0.00	7827.78
	2	(untitled)	TC771-6			1287 <	1900	60	47.08	315	-71	1234.63	123 1.48	727.44	445.82 +	100	100	0.00	6288.93
50	1	(untitled)	1			1485	1900	60	0.00	78	15	9.13	3.35	0.00	1.38	100	100	0.00	19.65
51	1	(untitled)	4-2			1014	1900	60	0.00	53	69	5.58	1.08	0.00	0.30	100	100	0.00	4.33
52	1		5			53	1800	60	38.00	3	2941	4.32	0.03	0.00	0.00	100	100	0.00	0.01
53	1		5	771-2	A	53	1800	11	10.00	15	508	29.53	16.65	96.51	0.87	100	500	0.00	6.72

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	6	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3-2	770-2	E	0	11000	6	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	39	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	J	0	11000	39	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	**1**	(untitled)	4	770-3	I	0	11000	39	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	I	0	11000	39	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	32	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	32	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
8	**1**	(untitled)	1	769-1	C	0	11000	31	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	1	769-1	C	0	11000	31	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
9	**1**	(untitled)	2	769-2	J	0	11000	17	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	J	0	11000	17	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
10	**1**	(untitled)	2	769-2	K	0	11000	22	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	K	0	11000	22	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	**1**	(untitled)		769-2	H	0	11000	23	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	23	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	**1**	(untitled)	2	769-2	I	0	11000	23	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	23	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
13	**1**	(untitled)		TC777-1	I	0	11000	16	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	I	0	11000	16	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
14	**1**	(untitled)		TC777-1	F	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	F	0	11000	34	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	14	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	H	0	11000	14	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	6057.65	1557.29	3.89	1396.02	17938.69	1017.12	0.00	18955.81
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	6057.65	1557.29	3.89	1396.02	17938.69	1017.12	0.00	18955.81

- *< = 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***