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 DM_2019+Com+CP+Dev_03.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\DM
Report generation date: 24/01/2021 11:37:17

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 Dev + CP + Dev - AM 2019 + Com Dev + CP + Dev					
Network	A15 D15	120	9915.38	618.34	136% (TS 50/1)	12 (8%)

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

File summary

File description

File title	(untitled)
Location	
Site number	
UTCRegion	

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

Model and Results

Enable controller offsets	Enable fuel consumption	Enable quick flares	Display journey time results	Display OD matrix distances	Display level of service results	Display blocking and starvation results	Display end of red and green queue results	Display excess queue results	Display separate uniform and random results	Display unweighted results	Display TRANSYT 12 style timings	Display effective greens in results	Display Red-With-Amber	Display End-Of-Green Amber	Display controller phase minimums

Units

Cost units	Speed units	Distance units	Fuel economy units	Fuel rate units	Mass units	Traffic units input	Traffic units results	Flow units	Average delay units	Total delay units	Rate of delay units
£	kph	m	mpg	l/h	kg	PCU	PCU	perHour	s	-Hour	perHour

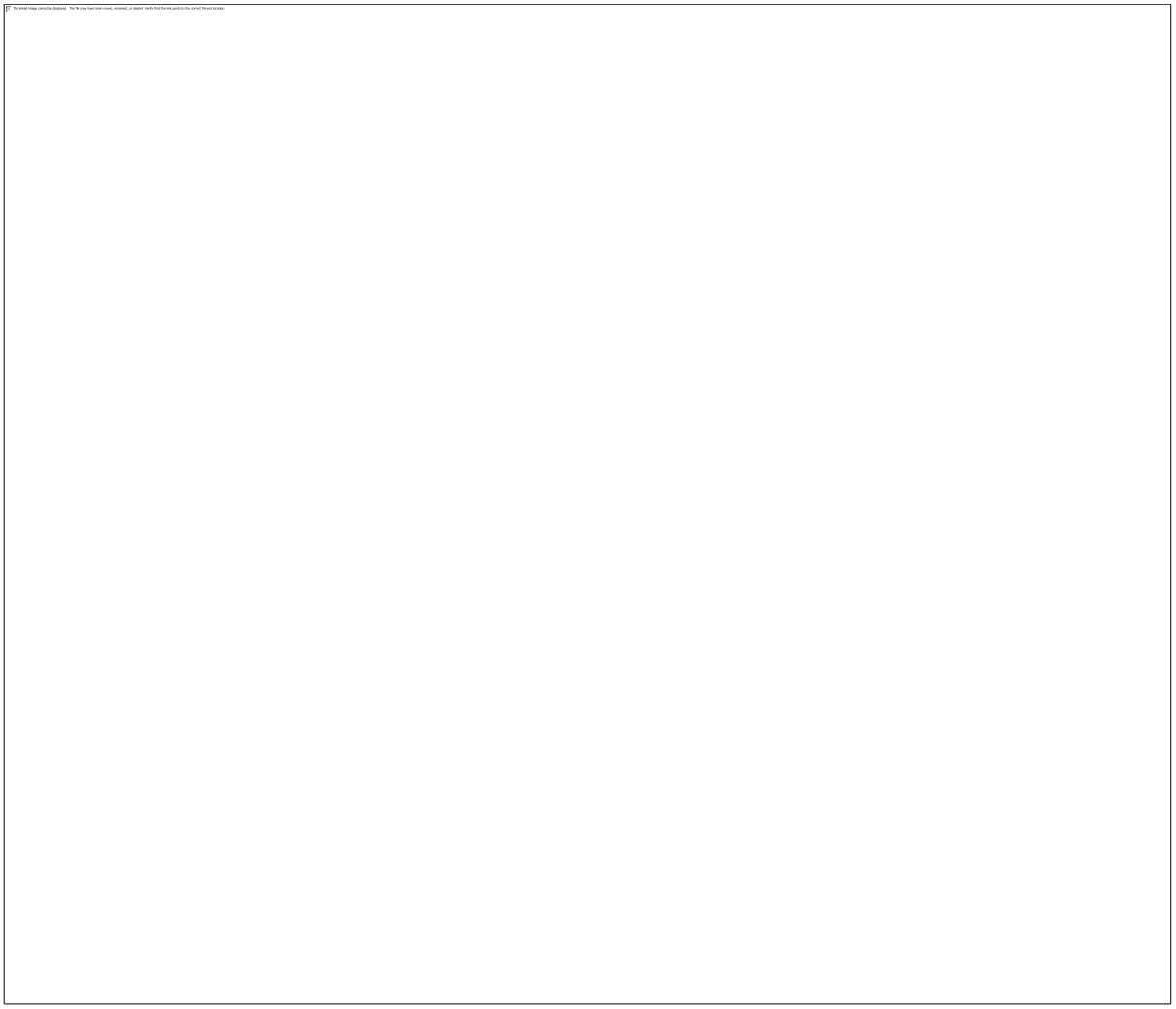
Sorting

Show names instead of IDs	Sorting direction	Sorting type	Ignore prefixes when sorting	Analysis/demand set sorting	Link grouping	Source grouping	Colour Analysis/Demand Sets
	Ascending	Numerical		ID	Normal	Normal	✓

Simulation options

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

Network Diagrams



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

Summary

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Traffic Stream Data	Arm Bf - Traffic Stream 1	Arm Bf - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm Bf - Traffic Stream 2	Arm Bf - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm Ff - Traffic Stream 1	Arm Ff - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm Ff - Traffic Stream 2	Arm Ff - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm xA - Traffic Stream 1	Arm xA - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm xA - Traffic Stream 2	Arm xA - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm TC38 - Traffic Stream 1	Traffic Stream 1: CTM uses a whole number of cells. CTM is using the length adjusted by 30%.

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

Run Summary

Analysis set used	Run start time	Run finish time	Run duration (s)	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Item with worst overall PRC	Network within capacity
15	24/01/2021 11:35:05	24/01/2021 11:35:19	14.89	07:30	120	9915.38	618.34	136.10	50/1	12	8	TC42/1	50/1	TC42/1	

Analysis Set Details

Name	Use Simulation	Description	Use specific Demand Set(s)	Specific Demand Set(s)	Optimise specific Demand Set(s)	Include in report	Locked
AM Base 2019 + Com Dev + CP + Dev			✓	D15		✓	

Demand Set Details

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

Network Options

Network timings

Network cycle time (s)	Minimum possible cycle time (s)	Absolute minimum possible cycle time (s)	Restrict to SCOOT cycle times	Time segment length (min)	Number of time segments	Modelled time period (min)
120	72	64		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

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto length	Length (m)	Has Saturation Flow	Saturation flow source	Saturation flow (PCU/hr)	Auto-calculate cell saturation flow	Cell saturation flow (PCU/hr)	Is signal controlled	Is give way	Traffic type	Allow Nearside Turn On Red
A	1	(untitled)	M62E	✓	74.35	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.70	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.42	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.14	✓	Directly entered	2050		2050	✓		Normal	
Ac	1	(untitled)	M62E	✓	95.94	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Wake	✓	92.39	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.91	✓	Directly entered	2263		2263	✓		Normal	
Acf	1	(untitled)		✓	69.45	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	70.32	✓	Directly entered	2263		2263			Normal	
Af	1	(untitled)	M62E/Wake	✓	53.54	✓	Directly entered	2050		2050			Normal	
	2	(untitled)	Dews	✓	53.19	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	53.01	✓	Directly entered	2050		2050			Normal	
B	1	(untitled)	Wake/Dews	✓	94.67	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Brad	✓	97.18	✓	Directly entered	2150		2150	✓		Normal	
	3	(untitled)	Leeds	✓	99.69	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)		✓	102.42	✓	Directly entered	2050		2050	✓		Normal	
Bc	1	(untitled)	Wake	✓	132.53	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Dews	✓	131.15	✓	Directly entered	2050		2263	✓		Normal	
	3	(untitled)	Brad/M62W	✓	129.77	✓	Directly entered	2050		2050	✓		Normal	
Bcf	1	(untitled)		✓	62.79	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	62.68	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.56	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.47	✓	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	
Dc	**1**	(untitled)	Brad	✓	50.38	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.43	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	46.49	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	44.54	✓	Directly entered	2100		2100	✓		Normal	
Dcf	**1**	(untitled)		✓	66.24	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	66.21	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	68.90	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	67.02	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	67.20	✓	Directly entered	2100		2100			Normal	
Df	**1**	(untitled)			200.00	✓	Sum of lanes	1900					Normal	
	2	(untitled)			200.00	✓	Directly entered	2250					Normal	
Dxp	**1**	(untitled)		✓	46.33	✓	Directly entered	2050			✓		Normal	
	2	(untitled)		✓	48.35	✓	Directly entered	2050			✓		Normal	
Ec	**1**	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal	
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)	M62E	✓	45.93	✓	Directly entered	2250		2250	✓		Normal	
Ecf	**1**	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal	
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	46.93	✓	Directly entered	2263		2263			Normal	
	4	(untitled)		✓	50.37	✓	Directly entered	2300		2300			Normal	
Ef	**1**	(untitled)		✓	127.54	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal	
Exp	**1**	(untitled)		✓	51.83	✓	Directly entered	2050		2100	✓		Normal	
	2	(untitled)		✓	53.71	✓	Directly entered	2050		2100	✓		Normal	
F	**1**	(untitled)	Leeds	✓	85.13	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.25	✓	Directly entered	2100		2100	✓		Normal	

Fc	**1**	(untitled)	Leeds	✓	183.42	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Leeds	✓	181.66	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	M62E/Dews	✓	180.50	✓	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)		✓	229.56	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	229.83	✓	Directly entered	2263		2263			Normal	
xB	**1**	(untitled)		✓	77.15								Normal	
xC	**1**	(untitled)		✓	115.60	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	115.98	✓	Sum of lanes	1900		1900			Normal	
xD	**1**	(untitled)		✓	121.71								Normal	
	2	(untitled)		✓	122.74								Normal	
xE	**1**	(untitled)		✓	173.89								Normal	
	2	(untitled)		✓	173.83								Normal	
xF	**1**	(untitled)		✓	162.53								Normal	
Cc1	**1**	(untitled)	Wake	✓	96.01	✓	Directly entered	2050		2050	✓		Normal	
E1	**1**	(untitled)	M62W/Leeds		80.00	✓	Directly entered	2050		1900	✓		Normal	
	2	(untitled)	Leeds/M62E		80.00	✓	Directly entered	2200		2100	✓		Normal	
Gf1	**1**	(untitled)		✓	49.26							✓	Normal	
Cc2	**2**	(untitled)	Dews	✓	92.40	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	89.42	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	89.19	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	88.82	✓	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	

Lanes

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

Af	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
B	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
Bc	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
	3	**1**	(untitled)											
Bcf	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
	3	**1**	(untitled)											
	4	**1**	(untitled)											
Bf	**1**	**1**	(untitled)											1800
	2	**1**	(untitled)											1800
C	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Cf	**1**	**2**	(untitled)											1965
	2	**1**	(untitled)											1965
D	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Dc	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
Dcf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											

	5	**5**	(untitled)											
Df	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											
Dxp	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
Ec	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
	3	**1**	(untitled)											
	4	**1**	(untitled)											
Ecf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
Ef	**1**	**1**	(untitled)											
	2	**2**	(untitled)											1900
Exp	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
F	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Fc	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Ff	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											1900
G	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
Gf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xA	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xB	**1**	**1**	(untitled)											

xC	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											1900
xD	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xE	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xF	**1**	**1**	(untitled)											
Cc1	**1**	**1**	(untitled)											
E1	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
Gf1	**1**	**1**	(untitled)											
Cc2	**2**	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
	5	**5**	(untitled)											
E2	**3**	**3**	(untitled)											
	4	**4**	(untitled)											
TC5	**2**	**1**	(untitled)		✓	N/A	Clearly Good	0	3.50	✓	0	99999.00		2263
	3	**1**	(untitled)											
	4	**1**	(untitled)											1800
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

Modelling

Arm	Traffic Stream	Traffic model	Stop weighting multiplier (%)	Delay weighting multiplier (%)	Assignment Cost Weighting (%)	Exclude from results calculation	Max queue storage (PCU)	Has queue limit	Queue limit (PCU)	Excess queue penalty (£)	Has degree of saturation limit	Degree of saturation limit (%)	Excess degree of saturation penalty (£)	Low degree of saturation penalty (£)
A	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Ac	**1**	CTM	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	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Bc	**1**	CTM	500	100	100		0.00	✓	22.50	9999.00				
	2	CTM	500	100	100		0.00	✓	22.50	9999.00				
	3	CTM	500	100	100		0.00	✓	22.50	9999.00				
Bcf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Bf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
C	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Cf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							

D	**1**	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	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							
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							
Ef	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Exp	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
F	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Fc	**1**	CTM	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	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
Gf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xA	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xB	**1**	NetworkDefault	100	100	100		0.00							

xC	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xD	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xE	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xF	**1**	NetworkDefault	100	100	100		0.00							
Cc1	**1**	CTM	100	100	100		0.00							
E1	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
Gf1	**1**	NetworkDefault	100	100	100		0.00							
Cc2	**2**	CTM	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				
E2	**3**	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
TC 5	**2**	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
TC 9	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
TC 35	**1**	CTM	100	100	100		0.00							
TC 36	**1**	NetworkDefault	100	100	100		0.00							
TC 37	**1**	CTM	100	100	100		0.00							
TC 38	**1**	CTM	100	100	100		0.00							
TC 39	**2**	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
TC 40	**2**	PDM	100	100	100		0.00							
	3	PDM	100	100	100		0.00							
TC 41	**1**	CTM	100	100	100		0.00							
TC 42	**1**	NetworkDefault	100	100	100		0.00							
TC 43	**1**	NetworkDefault	100	100	100		0.00							
47	**1**	CTM	100	100	100		0.00							
48	**1**	NetworkDefault	100	100	100		0.00							
49	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
50	**1**	NetworkDefault	100	100	100		0.00							
51	**1**	NetworkDefault	100	100	100		0.00							

Modelling - Advanced

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

Normal traffic - Modelling

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

Normal traffic - Advanced

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

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)
A	1	382	382
	2	136	136
	3	549	549
	4	256	256
Ac	1	1075	1075
	2	204	204
	3	367	367
Acf	1	1279	1279
	2	367	367
Af	1	518	518
	2	549	549
	3	256	256
B	1	419	419
	2	439	439
	3	465	465
	4	454	454
Bc	1	340	340
	2	705	705
	3	467	467
Bcf	1	1457	1457
	2	340	340
	3	705	705
	4	467	467
Bf	1	858	858
	2	919	919
C	1	489	489
	2	508	508
	3	453	453
Cf	1	794	794
	2	655	655
D	1	494	494
	2	874	874
	3	831	831
Dc	1	874	874
	2	783	783
	3	614	614
	4	907	907
Dcf	1	969	969
	2	1077	1077
	3	783	783

	4	614	614
	5	907	907
Df	**1**	1368	1368
	2	831	831
Dxp	**1**	969	969
	2	203	203
Ec	**1**	767	767
	2	1421	1421
	3	1169	1169
	4	595	595
Ecf	**1**	1033	1033
	2	1118	1118
	3	1421	1421
	4	1805	1805
Ef	**1**	816	816
	2	454	454
Exp	**1**	1033	1033
	2	351	351
F	**1**	322	322
	2	207	207
	3	293	293
Fc	**1**	1457	1457
	2	1467	1467
	3	1027	1027
Ff	**1**	529	529
	2	293	293
G	**1**	242	242
	2	253	253
Gf	**1**	239	239
	2	215	215
xA	**1**	1464	1464
	2	1663	1663
xB	**1**	1457	1457
xC	**1**	470	470
	2	413	413
xD	**1**	969	969
	2	203	203
xE	**1**	1033	1033
	2	351	351
xF	**1**	817	817
Cc1	**1**	388	388
E1	**1**	384	384
	2	432	432
Gf1	**1**	41	41
Cc2	**2**	874	874
	3	704	704
	4	869	869
	5	454	454
E2	**3**	239	239
	4	215	215
TC5	**2**	1065	1065
	3	1663	1663
	4	0	0
TC9	**1**	441	441
	2	517	517

	3	203	203
TC35	**1**	399	399
TC36	**1**	196	196
TC37	**1**	34	34
TC38	**1**	34	34
TC39	**2**	1065	1065
	3	1663	1663
TC40	**2**	1099	1099
	3	1663	1663
TC41	**1**	162	162
TC42	**1**	0	0
TC43	**1**	0	0
47	**1**	883	883
48	**1**	1449	1449
49	**1**	655	655
	2	506	506
50	**1**	1777	1777
51	**1**	822	822

Signals

Arm	Traffic Stream	Controller stream	Phase	Second phase enabled
A	**1**	771-2	E	
	2	771-2	E	
	3	771-2	E	
	4	771-2	E	
Ac	**1**	771-2	D	
	2	771-2	D	
	3	771-2	D	
B	**1**	769-1	B	
	2	769-1	B	
	3	769-1	B	
	4	769-1	B	
Bc	**1**	769-1	A	
	2	769-1	A	
	3	769-1	A	
C	**1**	769-2	G	
	2	769-2	G	
	3	769-2	G	
D	**1**	770-1	B	
	2	770-1	B	
	3	770-1	B	
Dc	**1**	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
Dxp	**1**	770-2	D	
	2	770-2	D	
Ec	**1**	770-3	F	
	2	770-3	F	
	3	770-3	F	
	4	770-3	F	
Exp	**1**	770-4	L	
	2	770-4	L	
F	**1**	771-1	B	
	2	771-1	B	

	3	771-1	B	
Fc	**1**	771-1	A	
	2	771-1	A	
	3	771-1	A	
G	**1**	769-2	F	
	2	769-2	F	
Cc1	**1**	769-2	E	
E1	**1**	770-3	G	
	2	770-3	G	
Cc2	**2**	769-2	D	
	3	769-2	D	
	4	769-2	D	
	5	769-2	D	
E2	**3**	770-3	H	
	4	770-3	H	
TC5	**2**	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	**1**	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	**1**	TC777-1	A	
TC37	**1**	TC777-2	J	
TC41	**1**	TC777-1	D	
TC42	**1**	TC777-1	E	

Entry Sources

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

Sources

Arm	Traffic Stream	Source	Source traffic stream	Destination traffic stream	Cruise time for Normal Traffic (s)	Cruise speed for Normal Traffic (kph)	Auto turning radius	Traffic turn style	Turning radius (m)
A	**1**	**1**	Af/1	A/1	5.58	48.00	✓	Straight	Straight Movement
	2	**1**	Af/1	A/2	5.75	48.00	✓	Straight	Straight Movement
	3	**1**	Af/2	A/3	5.88	48.00	✓	Straight	Straight Movement
	4	**1**	Af/3	A/4	6.01	48.00	✓	Straight	Straight Movement
Ac	**1**	**1**	Acf/1	Ac/1	7.20	48.00	✓	Offside	48.59
	2	**1**	Acf/1	Ac/2	9.50	35.00	✓	Offside	46.08
	3	**1**	Acf/2	Ac/3	6.59	48.00	✓	Offside	42.76
Acf	**1**	**1**	F/2	Acf/1	5.21	48.00	✓	Straight	Straight Movement

	2	**1**	F/3	Acf/2	7.23	35.00	✓	Straight	Straight Movement
Af	**1**	**1**	TC42/1	Af/1	6.42	30.00	✓	Nearside	10.60
	2	**1**	TC42/1	Af/2	6.38	30.00	✓	Nearside	10.60
	3	**1**	TC42/1	Af/3	6.36	30.00	✓	Nearside	10.60
B	**1**	**1**	Bf/1	B/1	7.10	48.00	✓	Straight	Straight Movement
	2	**1**	Bf/1	B/2	7.29	48.00	✓	Straight	Straight Movement
	3	**1**	Bf/2	B/3	7.48	48.00	✓	Straight	Straight Movement
	4	**1**	Bf/2	B/4	12.29	30.00	✓	Straight	Straight Movement
Bc	**1**	**1**	Bcf/2	Bc/1	11.93	40.00	✓	Offside	50.93
	2	**1**	Bcf/3	Bc/2	11.80	40.00	✓	Offside	47.61
	3	**1**	Bcf/4	Bc/3	11.68	40.00	✓	Offside	44.30
Bcf	**1**	**1**	A/1	Bcf/1	4.71	48.00	✓	Nearside	68.54
	2	**1**	A/2	Bcf/2	6.64	34.00	✓	Nearside	71.86
	3	**1**	A/3	Bcf/3	6.62	34.00	✓	Nearside	75.17
	4	**1**	A/4	Bcf/4	6.61	34.00	✓	Nearside	78.48
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
Dc	**1**	**1**	Dcf/2	Dc/1	3.78	48.00	✓	Offside	55.36
	2	**1**	Dcf/3	Dc/2	3.63	48.00	✓	Offside	52.05
	3	**1**	Dcf/4	Dc/3	3.49	48.00	✓	Offside	48.73
	4	**1**	Dcf/5	Dc/4	3.34	48.00	✓	Offside	45.42
Dcf	**1**	**1**	Cc2/2	Dcf/1	4.97	48.00	✓	Straight	Straight Movement
	2	**1**	Cc2/4	Dcf/2	4.97	48.00	✓	Straight	Straight Movement
	3	**1**	Cc2/3	Dcf/3	5.17	48.00	✓	Straight	Straight Movement
	4	**1**	C/2	Dcf/4	5.03	48.00	✓	Nearside	59.37
	5	**1**	Cc2/5	Dcf/5	5.04	48.00	✓	Straight	Straight Movement
Dxp	**1**	**1**	Dcf/1	Dxp/1	3.48	48.00	✓	Nearside	79.47
	2	**1**	Dcf/2	Dxp/2	3.63	48.00	✓	Nearside	82.78
Ec	**1**	**1**	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42
	2	**1**	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	**1**	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	**1**	Ecf/4	Ec/4	3.44	48.00	✓	Offside	67.06
Ecf	**1**	**1**	Dc/1	Ecf/1	3.45	48.00	✓	Offside	76.11

	2	**1**	Dc/2	Ecf/2	3.48	48.00	✓	Offside	72.80
	3	**1**	Dc/3	Ecf/3	3.52	48.00	✓	Offside	69.49
	4	**1**	Dc/4	Ecf/4	3.78	48.00	✓	Offside	66.17
Exp	**1**	**1**	Ecf/1	Exp/1	3.89	48.00	✓	Nearside	52.96
	2	**1**	Ecf/2	Exp/2	4.03	48.00	✓	Nearside	56.27
F	**1**	**1**	Ff/1	F/1	6.38	48.00	✓	Straight	Straight Movement
	2	**1**	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement
	3	**1**	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	**1**	**1**	Ec/2	Fc/1	18.87	35.00	✓	Straight	Straight Movement
	2	**1**	Ec/3	Fc/2	18.69	35.00	✓	Straight	Straight Movement
	3	**1**	Ec/4	Fc/3	18.57	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	17.24	48.00	✓	Straight	Straight Movement
xB	**1**	**1**	Bcf/1	xB/1	5.79	48.00	✓	Nearside	59.55
xC	**1**	**1**	G/1	xC/1	8.67	48.00	✓	Straight	Straight Movement
	2	**1**	G/2	xC/2	8.70	48.00	✓	Straight	Straight Movement
xD	**1**	**1**	Dxp/1	xD/1	9.13	48.00	✓	Nearside	30.26
	2	**1**	Dxp/2	xD/2	9.21	48.00	✓	Nearside	33.58
xE	**1**	**1**	Exp/1	xE/1	13.04	48.00	✓	Straight	Straight Movement
	2	**1**	Exp/2	xE/2	13.04	48.00	✓	Straight	Straight Movement
xF	**1**	**1**	Ec/1	xF/1	12.19	48.00	✓	Straight	Straight Movement
Cc1	**1**	**1**	B/1	Cc1/1	8.64	40.00	✓	Straight	Straight Movement
E1	**1**	**1**	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	**1**	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96
Gf1	**1**	**1**	Ecf/4	Gf1/1	3.69	48.00	✓	Offside	25.08
Cc2	**2**	**1**	B/1	Cc2/2	8.32	40.00	✓	Straight	Straight Movement
	3	**1**	Bc/3	Cc2/3	5.96	54.00	✓	Straight	Straight Movement
	4	**1**	Bc/3	Cc2/4	5.95	54.00	✓	Straight	Straight Movement
	5	**1**	Bc/3	Cc2/5	5.92	54.00	✓	Offside	97.84
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
Acf	**1**	**2**	Fc/3	Acf/1	5.21	48.00	✓	Straight	Straight Movement
	2	**2**	Fc/3	Acf/2	7.23	35.00	✓	Straight	Straight Movement
Af	**1**	**2**	TC9/1	Af/1	6.42	30.00	✓	Straight	Straight Movement
	2	**2**	TC9/2	Af/2	6.38	30.00	✓	Straight	Straight Movement
	3	**2**	TC9/3	Af/3	6.36	30.00	✓	Straight	Straight Movement
Bcf	**1**	**2**	Ac/1	Bcf/1	3.97	57.00	✓	Offside	98.91
	2	**2**	Ac/2	Bcf/2	3.96	57.00	✓	Offside	95.59
	3	**2**	Ac/3	Bcf/3	3.95	57.00	✓	Offside	92.28
	4	**2**	Ac/3	Bcf/4	3.95	57.00	✓	Offside	92.28
C	**2**	**2**	Cf/1	C/2	14.73	30.00	✓	Offside	56.58
Dcf	**1**	**2**	C/1	Dcf/1	4.97	48.00	✓	Nearside	56.06
	2	**2**	C/1	Dcf/2	4.97	48.00	✓	Nearside	56.06
	3	**2**	C/2	Dcf/3	5.17	48.00	✓	Nearside	59.37
	4	**2**	Cc2/3	Dcf/4	8.04	30.00	✓	Straight	Straight Movement
	5	**2**	C/3	Dcf/5	5.04	48.00	✓	Nearside	62.69
Ecf	**1**	**2**	D/1	Ecf/1	3.45	48.00	✓	Nearside	43.36
	2	**2**	D/1	Ecf/2	3.48	48.00	✓	Nearside	43.36
	3	**2**	D/2	Ecf/3	3.52	48.00	✓	Nearside	46.68
	4	**2**	D/3	Ecf/4	3.78	48.00	✓	Nearside	49.99
Fc	**1**	**2**	E1/1	Fc/1	20.64	32.00	✓	Nearside	58.94
	2	**2**	E1/1	Fc/2	20.44	32.00	✓	Nearside	60.85
	3	**2**	E1/2	Fc/3	20.31	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	17.24	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	6.40	54.00	✓	Straight	Straight Movement
Cc2	2	2	Bc/2	Cc2/2	6.16	54.00	✓	Straight	Straight Movement
	3	2	B/3	Cc2/3	8.05	40.00	✓	Straight	Straight Movement
	4	2	B/2	Cc2/4	8.03	40.00	✓	Straight	Straight Movement
	5	2	B/4	Cc2/5	7.99	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	5.21	48.00	✓	Straight	Straight Movement
Af	1	3	TC41/1	Af/1	6.42	30.00	✓	Offside	6.19
	2	3	TC41/1	Af/2	6.38	30.00	✓	Offside	6.19
	3	3	TC41/1	Af/3	6.36	30.00	✓	Offside	6.19
Dcf	3	3	Cc2/4	Dcf/3	8.27	30.00	✓	Straight	Straight Movement
Ecf	4	3	D/2	Ecf/4	6.04	30.00	✓	Nearside	46.68
xA	2	3	Fc/1	xA/2	17.24	48.00	✓	Straight	Straight Movement
Cc2	2	3	B/2	Cc2/2	8.32	40.00	✓	Straight	Straight Movement
	4	3	Bc/2	Cc2/4	5.95	54.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

Traffic Stream	Description	Controlling type	Controlling traffic stream	Percentage opposing (%)	Slope coefficient	Upstream signals visible
1		TrafficStream	Gf/1	100	0.22	
		TrafficStream	Gf/2	100	0.22	
		TrafficStream	TC39/2	100	0.22	
		TrafficStream	TC39/3	100	0.22	

Pedestrian Crossings

Pedestrian Crossings

Crossing	Name	Description	Traffic node	Allow walk on red	Crossing type	Length (m)	Cruise time (seconds)	Cruise speed (kph)
1	(untitled)		3-2		Nearside	3.00	2.00	5.40
2	(untitled)		3		Nearside	3.00	2.00	5.40

3	(untitled)		4-2		Nearside	3.00	2.00	5.40
4	(untitled)		4		Nearside	3.00	2.00	5.40
5	(untitled)		4		Nearside	3.00	2.00	5.40
6	(untitled)		4		Nearside	3.00	2.00	5.40
7	(untitled)		5		Nearside	3.00	2.00	5.40
8	(untitled)		1		Nearside	3.00	2.00	5.40
9	(untitled)		2		Nearside	3.00	2.00	5.40
10	(untitled)		2		Nearside	3.00	2.00	5.40
11	(untitled)				Nearside	3.00	2.00	5.40
12	(untitled)		2		Nearside	3.00	2.00	5.40
13	(untitled)				Farside	3.00	2.00	5.40
14	(untitled)				Farside	3.00	2.00	5.40
15	(untitled)				Nearside	3.00	2.00	5.40
16	(untitled)				Nearside	3.00	2.00	5.40
17	(untitled)				Nearside	3.00	2.00	5.40

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	**23**	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	560
	24		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	25		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	32	I1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	159
	36		C28	E28	Df/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	0
	41		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	358
	42		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	61
	43		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	44		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	45		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	49	I1	C28	D28	Df/1, D/1, Ecf/2, Ec/1, xF/1	Normal	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	0

	86		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	52
	91	l2	C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	42
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	36
	96		A28	C28	50/1, Bf/1, B/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Disabled	0
	97		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
	98		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	99	l3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	38
	100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Normal	215
	101		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	371
	103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
	104	l2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	595
	105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	0
	106		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	144
	107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	48
	108		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	418
	109	l3	C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	230
	110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	186
	111		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	5
	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
	114		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	9
	116		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	17
	117		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	118		F28	C28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	119		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	120		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	1
	121		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	128		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/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	3
	131		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	123
	132		H28	C28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	133		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0

	134		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	135		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	136		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	0
	138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	0
	139		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	140		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	141		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	142		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	144		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	145		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	146		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	147		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	6
	148		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	8
	149	l3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	3
	150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	239
	151		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	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	112
	156		C28	G28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	60
	157		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	158		B28	D28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	33
	159		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	162
	160		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	2
	161		B28	F28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	162		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	163		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	35
	164		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	165		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	95
	167		B28	E28	48/1, Cf/1, C/1, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	385

	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	11
	170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	112
	171		G28	H28	49/1, TC9/1, TC43/1	Normal	0
	172		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Disabled	0
	173		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Disabled	0
	174		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Disabled	0
	175		G28	C28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	176		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	28
	177		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	82
	178		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	34
	179		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Disabled	0
	180		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	181		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	182		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	183		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	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	4
	187		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	305
	188		C28	B28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	189		C28	B28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	192		C28	B28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	193		C28	B28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	194		C28	B28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	194
	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	25
	198		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	3
	199		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	204
	200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	201		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	82
	204		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	173
	205		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	27

	206		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	207		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	11
	208		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	209		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	210		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	454
	211		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	212		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	213		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	214		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	215		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	60
	216		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	217		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	218		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	228
	219		A28	F28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	122
	220		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	221		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	222		A28	D28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	2
	223		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	128
	224		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	225		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	226		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	227		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	228		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
	229		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	230		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	231		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	115
	232		A28	H28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	233		B28	H28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	234	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	170
	235		E28	G28	Ef/1, E1/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	0
	236		E28	H28	Ef/1, E1/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	237		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	243		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	32

	244		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	245		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	246		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	13
	247		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	248		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	250		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	251		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	252		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	253		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	1
	254		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	255	l3	C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0
	257		C28	H28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	258		C28	A28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	7
	260		C28	A28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0
	263		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	264		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	265		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	266		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	0
	267		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Fixed	0
	268		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	269		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	270		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	271		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	272		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Disabled	0
	275		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Disabled	0
	276		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	278		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
	279		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
	280		C28	B28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	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
	287		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	288		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	289		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	290		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	291		D28	F28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	292		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	293		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	294		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	295		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	296		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	297		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	298		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	299		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	300		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	301		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	302		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	303		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	304		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	305		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	306		G28	C28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	200
	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
	308		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	309		G28	D28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	310		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	14
	311		B28	D28	48/1, Cf/1, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	223
	312		B28	E28	48/1, Cf/1, C/2, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	313		B28	G28	48/1, Cf/1, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	47
	314		B28	F28	48/1, Cf/1, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	36
	315		B28	G28	48/1, Cf/1, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	316		B28	H28	48/1, Cf/1, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0

Signal Timings

Network Default: 120s cycle time; 120 steps

Resultant penalties

Time Segment	Controller stream	Phase min max penalty (£ per hr)	Intergreen broken penalty (£ per hr)	Stage constraint broken penalty (£ per hr)	Cost of controller stream penalties (£ per hr)
07:30-08:30	(ALL)	0.00	0.00	0.00	0.00

Results - Link

Results - Traffic Stream

Results - Traffic Stream: Vehicle summary

Time Segment	Arm	Traffic Stream	Name	Phase	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Calculated capacity (PCU/hr)	Degree of saturation (%)	Practical reserve capacity (%)	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	JourneyTime (s)
07:30-08:30	A	1	(untitled)	E	382	2050	34	615	62	45	19.72	7.46	57.72	25.30
		2	(untitled)	E	136	2050	34	615	22	307	12.39	2.35	17.62	18.14
		3	(untitled)	E	547	2050	34	615	89	1	36.37	12.70	93.15	42.25
		4	(untitled)	E	257	2050	34	615	42	115	16.48	4.95	35.50	22.49
	Ac	1	(untitled)	D	1068	2263	66	1282	83	8	12.23	6.75	40.44	19.42
		2	(untitled)	D	204	2263	66	1265	16	458	1.23	3.46	21.55	10.73
		3	(untitled)	D	367	2263	66	1282	29	214	1.90	5.07	33.14	8.50
	Acf	1	(untitled)		1272	2263	120	2263	56	60	1.02	0.36	2.98	6.23
		2	(untitled)		367	2263	120	2263	16	455	0.15	0.02	0.13	7.39
	Af	1	(untitled)		518	2050	120	2050	25	256	0.30	0.04	0.46	6.72
		2	(untitled)		547	2050	120	2050	27	237	0.32	0.05	0.52	6.70
		3	(untitled)		257	2050	120	2050	13	618	0.13	0.01	0.10	6.49
	B	1	(untitled)	B	308	2050	18	342	90	0	58.38	7.93	48.16	65.48
		2	(untitled)	B	323	2150	18	352	92	-2	62.79	8.57	50.72	70.08
		3	(untitled)	B	342	2100	18	342	100	-10	234.29	25.00	144.19	241.77
		4	(untitled)	B	334	2050	18	342	98	-8	123.45	14.76	82.88	135.75
	Bc	1	(untitled)	A	340	2050	78	1367	25	262	1.01	0.21	0.92	12.93
		2	(untitled)	A	703	2050	78	1367	51	75	3.04	2.20	9.66	14.85
		3	(untitled)	A	468	2050	78	1363	34	162	3.87	2.02	8.96	15.55
	Bcf	1	(untitled)		1450	2263	120	2263	64	40	1.42	0.57	5.22	5.58
		2	(untitled)		340	2263	120	2263	15	499	0.14	0.01	0.12	5.17

	3	(untitled)		703	2263	120	2263	31	190	0.36	0.07	0.64	6.39
	4	(untitled)		468	2263	120	2263	21	335	0.21	0.03	0.25	5.62
Bf	**1**	(untitled)		630	1800	120	1800	35	157	0.54	0.09	0.24	27.88
	2	(untitled)		675	1800	120	698	97	-7	165.95	47.08	118.51	193.36
C	**1**	(untitled)	G	489	2100	36	665	74	22	25.71	7.69	36.51	40.25
	2	(untitled)	G	508	2200	36	697	73	23	25.21	8.24	38.59	39.94
	3	(untitled)	G	453	2050	36	649	70	29	24.52	7.03	32.49	39.44
Cf	**1**	(untitled)		795	1965	120	1965	40	122	0.62	0.14	0.55	17.97
	2	(untitled)		655	1965	120	1965	33	170	0.46	0.08	0.33	17.96
D	**1**	(untitled)	B	401	2050	44	786	51	76	22.68	5.00	52.31	26.81
	2	(untitled)	B	709	1850	44	709	100	-10	93.38	22.11	231.13	97.51
	3	(untitled)	B	823	2250	44	823	100	-10	79.96	20.82	226.39	83.93
Dc	**1**	(untitled)	A	793	2100	56	1014	78	15	17.03	7.74	88.30	20.80
	2	(untitled)	A	748	2100	56	1015	74	22	15.09	7.04	83.63	18.72
	3	(untitled)	A	492	2100	56	1015	48	86	17.14	6.96	86.11	20.62
	4	(untitled)	A	795	2100	56	1015	78	15	14.72	7.56	97.66	18.06
Dcf	**1**	(untitled)		872	2050	120	2050	43	112	0.65	0.16	1.36	5.62
	2	(untitled)		994	2100	120	1894	52	71	2.11	5.13	44.59	7.08
	3	(untitled)		748	2100	120	2015	37	143	1.13	4.62	38.56	6.92
	4	(untitled)		492	2100	120	1951	25	257	0.64	1.77	15.15	8.14
	5	(untitled)		795	2100	120	1881	42	113	2.81	7.18	61.46	7.85
Df	**1**	(untitled)		1368	1900	120	1110	123	-27	354.14	149.29	429.22	378.14
	2	(untitled)		831	2250	120	823	101	-11	84.34	29.57	85.03	108.34
Dxp	**1**	(untitled)	D	902	2050	103	1777	51	77	1.38	1.75	21.75	4.86
	2	(untitled)	D	201	2050	103	1777	11	695	0.36	0.15	1.80	3.99
Ec	**1**	(untitled)	F	703	2150	72	1326	53	70	6.35	5.16	59.24	10.11
	2	(untitled)	F	1146	2263	72	1396	82	10	9.08	8.37	99.31	12.72
	3	(untitled)	F	1042	2263	72	1396	75	21	6.98	5.74	70.59	10.49
	4	(untitled)	F	590	2250	72	1388	42	112	6.43	6.33	79.29	9.87
Ecf	**1**	(untitled)		922	2100	120	2092	44	104	0.73	4.84	60.63	4.17
	2	(untitled)		1019	2100	120	2100	49	85	0.81	0.23	2.83	4.29
	3	(untitled)		1146	2263	120	1981	58	55	2.39	5.21	63.89	5.91

	4	(untitled)		1672	2300	120	2217	75	19	2.80	6.14	70.05	6.65
Ef	1	(untitled)		816	1900	120	1900	43	110	0.71	0.16	0.73	16.02
	2	(untitled)		454	1900	120	1900	24	277	0.30	0.04	0.17	15.60
Exp	1	(untitled)	L	922	2050	102	1760	52	72	1.47	4.98	55.25	5.36
	2	(untitled)	L	316	2050	102	1760	18	401	0.22	2.34	25.04	4.25
F	1	(untitled)	B	322	2100	18	350	92	-2	68.56	8.81	59.49	74.94
	2	(untitled)	B	207	2100	18	350	59	52	30.47	3.41	22.89	36.90
	3	(untitled)	B	293	2100	18	350	84	8	48.29	6.19	40.81	54.84
Fc	1	(untitled)	A	1182	2263	82	1584	75	21	3.64	2.78	8.70	22.56
	2	(untitled)	A	1340	2263	82	1410	95	-5	25.56	20.66	65.39	44.63
	3	(untitled)	A	1022	2263	82	1510	68	33	8.89	18.72	59.62	28.19
Ff	1	(untitled)		529	1900	120	1900	28	223	0.37	0.05	0.11	33.45
	2	(untitled)		293	1900	120	1900	15	484	0.17	0.01	0.03	33.22
G	1	(untitled)	F	242	2050	34	598	40	122	8.96	5.21	19.29	24.93
	2	(untitled)	F	253	2050	34	598	42	113	12.64	4.87	18.46	24.03
Gf	1	(untitled)		239	2050	120	2050	12	672	0.12	0.01	0.11	3.15
	2	(untitled)		215	2050	120	2050	10	758	0.10	0.01	0.09	3.11
xA	1	(untitled)		1252	2263	120	2019	62	45	1.79	3.00	7.51	19.01
	2	(untitled)		1475	2263	120	2194	67	34	2.13	23.87	59.73	19.37
xB	1	(untitled)		1450	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	1	(untitled)		470	1900	120	1230	38	136	6.13	7.08	35.23	14.80
	2	(untitled)		400	1900	120	1292	31	191	5.84	7.03	34.88	14.54
xD	1	(untitled)		902	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
	2	(untitled)		201	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
xE	1	(untitled)		922	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		316	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	1	(untitled)		753	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
Cc1	1	(untitled)	E	375	2050	58	1013	37	143	10.59	7.73	46.30	17.20
E1	1	(untitled)	G	384	2050	26	478	80	12	36.32	6.95	49.99	42.32
	2	(untitled)	G	432	2200	26	513	84	7	39.35	8.14	58.48	45.35
Gf1	1	(untitled)		41	709	120	709	6	1471	0.15	0.00	0.02	3.85
Cc2	2	(untitled)	D	777	2150	60	1092	71	27	11.96	8.07	50.22	18.88

		3	(untitled)	D	582	2050	60	1042	56	61	9.08	5.16	33.15	16.26
		4	(untitled)	D	750	2150	60	1109	68	33	7.87	5.90	38.06	14.71
		5	(untitled)	D	342	2050	60	1059	32	179	0.81	0.08	0.50	8.80
	E2	3	(untitled)	H	239	2150	26	492	49	85	23.41	3.42	36.86	27.40
		4	(untitled)	H	215	2050	26	478	45	100	22.77	3.05	32.29	26.85
	TC5	2	(untitled)	A	893	2263	97	1867	48	88	2.36	3.12	77.85	5.13
		3	(untitled)	A	1475	2263	97	1867	79	14	3.87	4.37	109.04	6.64
		4	(untitled)	C	0	1800	7	120	0	Unrestricted	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	441	1925	86	1428	31	191	5.76	4.62	28.98	16.76
		2	(untitled)	B	516	1966	86	1458	35	154	6.10	5.42	33.82	17.17
		3	(untitled)	B	204	1947	86	1444	14	537	4.69	1.88	11.67	15.81
	TC35	1	(untitled)	A	359	1900	97	1568	23	293	2.18	1.57	37.44	5.08
	TC36	1	(untitled)		195	1800	120	1800	11	731	0.12	0.01	0.15	3.15
	TC37	1	(untitled)	J	34	1850	105	1634	2	4226	0.90	0.13	1.72	4.09
	TC38	1	(untitled)		34	249	120	249	14	558	7.11	2.43	65.44	8.64
	TC39	2	(untitled)		893	2263	120	2263	39	128	0.52	0.13	2.10	3.06
		3	(untitled)		1475	2263	120	2263	65	38	1.48	0.61	10.49	3.88
	TC40	2	(untitled)		927	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		1475	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	161	1850	12	200	80	12	85.16	6.46	67.97	89.09
	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)		870	1300	120	1300	67	35	2.78	0.67	2.89	18.82
	48	1	(untitled)		1450	1965	120	1965	74	22	2.56	1.03	10.76	9.18
	49	1	(untitled)		655	1900	120	1900	34	161	0.50	0.09	1.99	3.65
		2	(untitled)		506	1900	120	1900	27	238	0.34	0.05	1.06	3.49
	50	1	(untitled)		1777	1900	120	1306	136	-34	486.43	258.43	3086.37	492.20
	51	1	(untitled)		822	1900	120	1900	43	108	0.72	0.16	2.53	5.22

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	89	8	39	1	7

	2	✓	2	B	15	24	9	1	7
	3		1	A	29	68	39	1	7
	4		2	B	75	84	9	1	7
769-2	**1**	✓	4	D,E,H,I	9	33	24	1	3
	2	✓	5	F,G,J,K	44	55	11	1	8
	3		4	D,E,H,I	69	93	24	1	3
	4		5	F,G,J,K	104	115	11	1	8
770-1	**1**	✓	1	A,C	108	14	26	1	5
	2	✓	2	B	21	43	22	1	7
	3		1	A,C	48	74	26	1	5
	4		2	B	81	103	22	1	7
770-2	**1**	✓	4	D	3	106	103	1	7
	2	✓	5	E	111	116	5	1	5
770-3	**1**	✓	7	F,I,J	98	9	31	1	2
	2	✓	9	G,H	20	26	6	1	1
	3		7	F,I,J	38	69	31	1	2
	4		9	G,H	80	86	6	1	1
770-4	**1**	✓	11	L	53	35	102	1	7
	2	✓	12	M	40	46	6	1	6
771-1	**1**	✓	1	A,C	107	22	35	1	9
	2	✓	3	B	33	42	9	1	7
	3		1	A,C	47	82	35	1	9
	4		3	B	93	102	9	1	7
771-2	**1**	✓	5	D	108	21	33	1	7
	2	✓	6	E	26	43	17	1	7
	3		5	D	48	81	33	1	7
	4		6	E	86	103	17	1	7
TC777-1	**1**	✓	1	A,B,F	9	94	85	1	6
	2	✓	2	A,C,F,G	99	106	7	1	7
	3	✓	5	D,H,I	113	3	10	1	6
TC777-2	**1**	✓	1	J	109	94	105	1	7
	2	✓	2	K	99	104	5	1	5

Data Entry - Phase

Phase

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

770-2	**D**	D	7	300	0	0	Traffic
	E	E	5	300	0	0	Pedestrian
770-3	**F**	F	7	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	4	300	0	0	Traffic
	I	I	5	300	0	0	Pedestrian
	J	J	5	300	0	0	Pedestrian
	K	K	10	300	0	0	Pedestrian
770-4	**L**	L	7	300	0	0	Traffic
	M	M	6	300	0	0	Pedestrian
771-1	**A**	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	9	300	0	0	Pedestrian
771-2	**D**	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
TC777-1	**A**	A	7	300	0	1	Traffic
	B	B	7	300	0	2	Traffic
	C	C	7	300	0	0	Traffic
	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	5	300	0	0	Pedestrian
	G	G	7	300	0	0	Pedestrian
	H	H	6	300	0	0	Pedestrian
	I	I	5	300	0	0	Pedestrian
TC777-2	**J**	J	7	300	0	0	Traffic
	K	K	5	300	0	0	Pedestrian

Data Entry - Traffic Stream

Traffic Stream

Arm	Traffic Stream	Auto length	Length (m)	Traffic model	Max queue storage (PCU)	Traffic type	Has Saturation Flow	Is signal controlled	Is give way	Saturation flow source	Saturation flow (PCU/hr)	Delay weighting multiplier (%)	Stop weighting multiplier (%)
A	**1**	✓	74.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	76.70	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	78.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	4	✓	80.14	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ac	**1**	✓	95.94	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	92.39	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	87.91	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
Acf	**1**	✓	69.45	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	70.32	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Af	**1**	✓	53.54	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	53.19	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	53.01	CTM	0.00	Normal	✓			Directly entered	2050	100	100

B	**1**	✓	94.67	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	97.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	99.69	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	4	✓	102.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Bc	**1**	✓	132.53	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	2	✓	131.15	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	3	✓	129.77	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
Bcf	**1**	✓	62.79	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	62.68	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.56	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	62.47	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Bf	**1**	✓	227.81	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
	2	✓	228.44	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
C	**1**	✓	121.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	122.73	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Cf	**1**	✓	144.60	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
	2	✓	145.86	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
D	**1**		55.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	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
Dc	**1**	✓	50.38	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	3	✓	46.49	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	4	✓	44.54	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
Dcf	**1**	✓	66.24	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	66.21	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	68.90	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	67.02	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	67.20	CTM	0.00	Normal	✓			Directly entered	2100	100	100
Df	**1**		200.00	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
	2		200.00	NetworkDefault	0.00	Normal	✓			Directly entered	2250	100	100

Dxp	**1**	✓	46.33	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	48.35	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	✓	45.93	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	✓	46.93	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	50.37	CTM	0.00	Normal	✓			Directly entered	2300	100	100
Ef	**1**	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	**1**	✓	51.83	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.71	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	**1**	✓	85.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	87.25	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
Fc	**1**	✓	183.42	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	181.66	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	180.50	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	100
	2	✓	151.80	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Gf	**1**	✓	40.48	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	40.06	CTM	0.00	Normal	✓			Directly entered	2050	100	100
xA	**1**	✓	229.56	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	229.83	CTM	0.00	Normal	✓			Directly entered	2263	100	100
xB	**1**	✓	77.15	NetworkDefault	0.00	Normal						100	100
xC	**1**	✓	115.60	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
	2	✓	115.98	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
xD	**1**	✓	121.71	NetworkDefault	0.00	Normal						100	100

	2	✓	122.74	NetworkDefault	0.00	Normal						100	100
xE	**1**	✓	173.89	NetworkDefault	0.00	Normal						100	100
	2	✓	173.83	NetworkDefault	0.00	Normal						100	100
xF	**1**	✓	162.53	NetworkDefault	0.00	Normal						100	100
Cc1	**1**	✓	96.01	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E1	**1**		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
Gf1	**1**	✓	49.26	NetworkDefault	0.00	Normal			✓			100	100
Cc2	**2**	✓	92.40	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	3	✓	89.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	4	✓	89.19	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	5	✓	88.82	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
E2	**3**	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
TC5	**2**	✓	23.03	CTM	0.00	Normal	✓	✓		Sum of lanes	2263	100	100
	3	✓	23.02	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	4	✓	24.43	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
TC9	**1**	✓	91.71	CTM	0.00	Normal	✓	✓		Directly entered	1925	100	100
	2	✓	92.21	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

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	52	0.00	0.00
		2	0	0	52	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	70	0.00	0.00
		2	0	0	70	0.00	0.00
	5	1	0	0	70	0.00	0.00
		2	0	0	70	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	26	0.00	0.00
		2	0	0	26	0.00	0.00
	10	1	0	0	38	0.00	0.00
		2	0	0	38	0.00	0.00
	11	1	0	0	58	0.00	0.00
		2	0	0	58	0.00	0.00
	12	1	0	0	56	0.00	0.00
		2	0	0	56	0.00	0.00
	13	1	0	0	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	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	623.4	617.2	661.2	661.2	1027.1	986.6	0.0
	B28	168.4	0.0	89.5	107.0	109.0	141.9	181.8	0.0
	C28	279.6	263.4	0.0	434.6	428.4	541.4	494.0	0.0
	D28	112.5	153.0	164.3	0.0	204.5	142.6	151.0	0.0
	E28	128.2	105.9	163.3	70.5	0.0	112.2	143.3	0.0
	F28	142.4	202.3	208.3	236.7	207.8	0.0	20.1	0.0
	G28	63.1	121.3	135.1	161.4	161.6	190.9	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Normal journey dist (m)	Bus journeydist (m)	Tram journey dist (m)	Pedestrian journey dist (m)	Calculated Total Flow (PCU/hr)	Avg journey time (s)	Avg journey dist (m)
23	C28	A28	560	275.97	835.00	0.00	0.00	0.00	560	275.97	835.00
24	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
25	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
32	C28	E28	159	428.42	526.66	0.00	0.00	0.00	159	428.42	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	358	124.35	693.38	0.00	0.00	0.00	358	124.35	693.38
42	E28	C28	61	163.50	1066.66	0.00	0.00	0.00	61	163.50	1066.66
43	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
44	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
45	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
49	C28	D28	335	434.59	514.00	0.00	0.00	0.00	335	434.59	514.00
50	E28	D28	50	70.53	370.08	0.00	0.00	0.00	50	70.53	370.08
68	E28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
86	F28	D28	52	234.73	870.99	0.00	0.00	0.00	52	234.73	870.99
91	C28	F28	42	541.42	787.50	0.00	0.00	0.00	42	541.42	787.50
92	E28	F28	36	112.17	644.68	0.00	0.00	0.00	36	112.17	644.68
96	A28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
97	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
98	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
99	C28	B28	38	262.89	753.91	0.00	0.00	0.00	38	262.89	753.91
100	E28	B28	215	105.05	623.35	0.00	0.00	0.00	215	105.05	623.35
101	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
102	A28	C28	371	617.16	697.30	0.00	0.00	0.00	371	617.16	697.30
103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
104	C28	G28	595	549.11	880.36	0.00	0.00	0.00	595	549.11	880.36
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
106	G28	C28	144	134.99	770.46	0.00	0.00	0.00	144	134.99	770.46
107	A28	B28	48	623.39	716.24	0.00	0.00	0.00	48	623.39	716.24
108	B28	G28	418	185.90	1057.83	0.00	0.00	0.00	418	185.90	1057.83
109	C28	G28	230	287.20	873.63	0.00	0.00	0.00	230	287.20	873.63
110	E28	G28	186	143.26	731.16	0.00	0.00	0.00	186	143.26	731.16
111	B28	G28	5	153.14	1057.96	0.00	0.00	0.00	5	153.14	1057.96
112	F28	G28	34	20.11	149.60	0.00	0.00	0.00	34	20.11	149.60
113	F28	A28	64	142.44	347.68	0.00	0.00	0.00	64	142.44	347.68
114	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

115	B28	C28	9	90.20	558.16	0.00	0.00	0.00	9	90.20	558.16
116	F28	C28	17	214.40	731.85	0.00	0.00	0.00	17	214.40	731.85
117	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
118	F28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
119	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
120	F28	E28	1	229.29	885.91	0.00	0.00	0.00	1	229.29	885.91
121	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
128	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
130	G28	C28	3	131.64	770.27	0.00	0.00	0.00	3	131.64	770.27
131	G28	E28	123	168.66	921.22	0.00	0.00	0.00	123	168.66	921.22
132	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
133	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
134	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
135	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
136	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
137	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
138	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
139	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
140	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
141	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
142	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
143	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
144	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
145	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
146	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
147	F28	E28	6	232.04	882.61	0.00	0.00	0.00	6	232.04	882.61
148	F28	D28	8	249.14	870.69	0.00	0.00	0.00	8	249.14	870.69
149	C28	B28	3	269.58	757.09	0.00	0.00	0.00	3	269.58	757.09
150	E28	B28	239	106.73	625.89	0.00	0.00	0.00	239	106.73	625.89
151	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
152	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
153	F28	B28	13	202.30	750.53	0.00	0.00	0.00	13	202.30	750.53
154	E28	A28	112	140.32	694.55	0.00	0.00	0.00	112	140.32	694.55
156	C28	G28	60	572.82	875.76	0.00	0.00	0.00	60	572.82	875.76
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	B28	D28	33	106.96	700.04	0.00	0.00	0.00	33	106.96	700.04
159	B28	E28	162	105.18	714.96	0.00	0.00	0.00	162	105.18	714.96
160	B28	G28	2	149.83	1062.58	0.00	0.00	0.00	2	149.83	1062.58
161	B28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
162	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
163	B28	A28	35	168.35	1019.20	0.00	0.00	0.00	35	168.35	1019.20
164	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
165	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
166	B28	C28	95	89.42	555.14	0.00	0.00	0.00	95	89.42	555.14
167	B28	E28	385	110.59	709.11	0.00	0.00	0.00	385	110.59	709.11
168	G28	A28	318	63.08	385.78	0.00	0.00	0.00	318	63.08	385.78
169	G28	B28	11	119.91	788.63	0.00	0.00	0.00	11	119.91	788.63
170	G28	B28	112	121.43	789.01	0.00	0.00	0.00	112	121.43	789.01
171	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
172	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
173	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
174	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
175	G28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
176	G28	E28	28	137.09	921.76	0.00	0.00	0.00	28	137.09	921.76
177	G28	D28	82	154.53	910.07	0.00	0.00	0.00	82	154.53	910.07

178	G28	E28	34	150.55	924.99	0.00	0.00	0.00	34	150.55	924.99
179	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
180	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
181	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
182	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
183	B28	B28	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	4	620.52	699.63	0.00	0.00	0.00	4	620.52	699.63
187	A28	E28	305	661.30	850.58	0.00	0.00	0.00	305	661.30	850.58
188	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
189	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
192	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
193	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
194	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
195	D28	G28	194	150.70	744.89	0.00	0.00	0.00	194	150.70	744.89
196	D28	F28	103	142.61	652.03	0.00	0.00	0.00	103	142.61	652.03
197	D28	G28	25	153.21	740.27	0.00	0.00	0.00	25	153.21	740.27
198	D28	A28	3	112.54	704.26	0.00	0.00	0.00	3	112.54	704.26
199	D28	B28	204	153.03	1101.21	0.00	0.00	0.00	204	153.03	1101.21
200	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
201	D28	C28	82	167.07	1078.73	0.00	0.00	0.00	82	167.07	1078.73
204	D28	C28	173	162.97	1077.08	0.00	0.00	0.00	173	162.97	1077.08
205	D28	E28	27	205.70	1228.03	0.00	0.00	0.00	27	205.70	1228.03
206	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
207	D28	E28	11	201.62	1231.25	0.00	0.00	0.00	11	201.62	1231.25
208	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
209	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
210	A28	G28	454	949.26	1200.32	0.00	0.00	0.00	454	949.26	1200.32
211	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
212	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
213	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
214	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
215	G28	F28	60	190.94	1179.75	0.00	0.00	0.00	60	190.94	1179.75
216	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
217	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
218	A28	G28	228	1034.77	1204.56	0.00	0.00	0.00	228	1034.77	1204.56
219	A28	F28	122	1027.08	1111.71	0.00	0.00	0.00	122	1027.08	1111.71
220	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
221	F28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
222	A28	D28	2	661.15	838.66	0.00	0.00	0.00	2	661.15	838.66
223	A28	E28	128	660.97	853.57	0.00	0.00	0.00	128	660.97	853.57
224	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
225	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
226	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
227	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
228	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
229	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
230	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
231	A28	G28	115	1038.38	1199.94	0.00	0.00	0.00	115	1038.38	1199.94
232	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
233	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
234	C28	G28	170	553.38	875.74	0.00	0.00	0.00	170	553.38	875.74
235	E28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
236	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
237	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
243	G28	D28	32	178.94	909.29	0.00	0.00	0.00	32	178.94	909.29

244	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
245	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
246	E28	C28	13	162.39	1066.47	0.00	0.00	0.00	13	162.39	1066.47
247	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
248	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
249	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
250	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
251	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
252	F28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
253	F28	E28	1	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00
254	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
255	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
257	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
258	C28	A28	7	573.89	839.14	0.00	0.00	0.00	7	573.89	839.14
260	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
263	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
264	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
265	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
266	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
267	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
268	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
269	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
270	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
271	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
272	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
275	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
276	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
278	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
279	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
280	C28	B28	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
287	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
288	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
289	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
290	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
291	D28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
292	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
293	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
294	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
295	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
296	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
297	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
298	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
299	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
300	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
301	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
302	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
303	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
304	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
305	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
306	G28	C28	200	135.15	770.46	0.00	0.00	0.00	200	135.15	770.46
307	G28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
308	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

309	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
310	G28	E28	14	174.85	924.21	0.00	0.00	0.00	14	174.85	924.21
311	B28	D28	223	106.97	698.78	0.00	0.00	0.00	223	106.97	698.78
312	B28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
313	B28	G28	47	149.84	1061.32	0.00	0.00	0.00	47	149.84	1061.32
314	B28	F28	36	142.15	968.47	0.00	0.00	0.00	36	142.15	968.47
315	B28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
316	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

Final Prediction Table

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES	WEIGHTS		PENALTIES	P.I.
Arm	**Traffic Stream**	**Name**	**Traffic node**	**Controller stream**	**Phase**	**Calculated flow entering (PCU/hr)**	**Calculated sat flow (PCU/hr)**	**Actual green (s (per cycle))**	**Wasted time total (s (per cycle))**	**Degree of saturation (%)**	**Practical reserve capacity (%)**	**JourneyTime (s)**	**Mean Delay per Veh (s)**	**Mean stops per Veh (%)**	**Mean max queue (PCU)**	**Delay weighting multiplier (%)**	**Stop weighting multiplier (%)**	**Cost of traffic penalties (£ per hr)**	**P.I.**
A	**1**	(untitled)	6	771-2	E	382	2050	34	0.00	62	45	25.30	19.72	87.18	7.46	100	100	0.00	40.40
	2	(untitled)	6	771-2	E	136	2050	34	0.00	22	307	18.14	12.39	68.64	2.35	100	100	0.00	9.64
	3	(untitled)	6	771-2	E	547	2050	34	0.00	89	1	42.25	36.37	112.87	12.70	100	100	0.00	98.28
	4	(untitled)	6	771-2	E	257	2050	34	0.00	42	115	22.49	16.48	83.81	4.95	100	100	0.00	23.62
Ac	**1**	(untitled)	6	771-2	D	1068	2263	66	8.00	83	8	19.42	12.23	33.82	6.75	100	500	0.00	109.51
	2	(untitled)	6	771-2	D	204	2263	66	50.94	16	458	10.73	1.23	30.08	3.46	100	500	0.00	6.23
	3	(untitled)	6	771-2	D	367	2263	66	24.00	29	214	8.50	1.90	36.72	5.07	100	500	0.00	24.38
Acf	**1**	(untitled)	6			1272	2263	120	30.00	56	60	6.23	1.02	0.00	0.36	100	100	0.00	5.12
	2	(untitled)	6			367	2263	120	72.00	16	455	7.39	0.15	0.00	0.02	100	100	0.00	0.22
Af	**1**	(untitled)	6			518	2050	120	18.00	25	256	6.72	0.30	0.00	0.04	100	100	0.00	0.61
	2	(untitled)	6			547	2050	120	20.00	27	237	6.70	0.32	0.00	0.05	100	100	0.00	0.69
	3	(untitled)	6			257	2050	120	20.00	13	618	6.49	0.13	0.00	0.01	100	100	0.00	0.13
B	**1**	(untitled)	1	769-1	B	308	2050	18	0.00	90	0	65.48	58.38	135.47	7.93	100	100	0.00	84.28
	2	(untitled)	1	769-1	B	323	2150	18	0.37	92	-2	70.08	62.79	142.46	8.57	100	100	0.00	94.64
	3	(untitled)	1	769-1	B	342 <	2100	18	0.48	100	-10	241.77	234.29	284.02	25.00 +	100	100	0.00	346.90
	4	(untitled)	1	769-1	B	334	2050	18	0.00	98	-8	135.75	123.45	188.85	14.76	100	100	0.00	170.53
Bc	**1**	(untitled)	1	769-1	A	340	2050	78	30.00	25	262	12.93	1.01	3.73	0.21	100	500	0.00	2.76

	2	(untitled)	1	769-1	A	703	2050	78	28.00	51	75	14.85	3.04	16.38	2.20	100	500	0.00	21.27
	3	(untitled)	1	769-1	A	468	2050	78	28.21	34	162	15.55	3.87	17.21	2.02	100	500	0.00	16.12
Bcf	**1**	(untitled)	1			1450	2263	120	24.00	64	40	5.58	1.42	0.00	0.57	100	100	0.00	8.09
	2	(untitled)	1			340	2263	120	66.00	15	499	5.17	0.14	0.00	0.01	100	100	0.00	0.19
	3	(untitled)	1			703	2263	120	40.00	31	190	6.39	0.36	0.00	0.07	100	100	0.00	0.99
	4	(untitled)	1			468	2263	120	68.00	21	335	5.62	0.21	0.00	0.03	100	100	0.00	0.38
Bf	**1**	(untitled)	1			630	1800	120	10.00	35	157	27.88	0.54	0.00	0.09	100	100	0.00	1.34
	2	(untitled)	1			675 <	1800	120	73.45	97	-7	193.36	165.95	361.69	47.08 +	100	100	0.00	472.63
C	**1**	(untitled)	2	769-2	G	489	2100	36	0.00	74	22	40.25	25.71	93.99	7.69	100	100	0.00	55.36
	2	(untitled)	2	769-2	G	508	2200	36	0.00	73	23	39.94	25.21	93.24	8.24	100	100	0.00	56.46
	3	(untitled)	2	769-2	G	453	2050	36	0.00	70	29	39.44	24.52	92.46	7.03	100	100	0.00	49.06
Cf	**1**	(untitled)	2			795	1965	120	0.00	40	122	17.97	0.62	0.00	0.14	100	100	0.00	1.95
	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	401	2050	44	2.00	51	76	26.81	22.68	74.85	5.00	20	0	0.00	7.17
	2	(untitled)	3	770-1	B	709 <	1850	44	0.00	100	-10	97.51	93.38	121.74	22.11 +	20	0	0.00	52.24
	3	(untitled)	3	770-1	B	823 <	2250	44	2.11	100	-10	83.93	79.96	93.12	20.82 +	20	0	0.00	51.91
Dc	**1**	(untitled)	3	770-1	A	793	2100	56	8.06	78	15	20.80	17.03	58.88	7.74	100	500	0.00	128.21
	2	(untitled)	3	770-1	A	748	2100	56	8.00	74	22	18.72	15.09	48.45	7.04	100	500	0.00	102.60
	3	(untitled)	3	770-1	A	492	2100	56	8.00	48	86	20.62	17.14	84.76	6.96	100	500	0.00	100.11
	4	(untitled)	3	770-1	A	795	2100	56	12.00	78	15	18.06	14.72	58.90	7.56	100	500	0.00	121.26
Dcf	**1**	(untitled)	3			872	2050	120	31.00	43	112	5.62	0.65	0.00	0.16	100	100	0.00	2.23
	2	(untitled)	3			994	2100	120	47.79	52	71	7.08	2.11	15.64	5.13	100	100	0.00	13.28
	3	(untitled)	3			748	2100	120	43.87	37	143	6.92	1.13	8.79	4.62	100	100	0.00	5.19
	4	(untitled)	3			492	2100	120	46.50	25	257	8.14	0.64	9.71	1.77	100	100	0.00	2.02
	5	(untitled)	3			795	2100	120	72.54	42	113	7.85	2.81	29.13	7.18	100	100	0.00	16.24
Df	**1**	(untitled)	3-2			1368 <	1900	120	49.89	123	-27	378.14	354.14	331.62	149.29 +	100	100	0.00	1957.12
	2	(untitled)	3-2			831	2250	120	76.11	101	-11	108.34	84.34	181.12	29.57	100	100	0.00	295.14
Dxp	**1**	(untitled)	3-2	770-2	D	902	2050	103	10.00	51	77	4.86	1.38	5.09	1.75	100	100	0.00	6.39
	2	(untitled)	3-2	770-2	D	201	2050	103	73.00	11	695	3.99	0.36	2.04	0.15	100	100	0.00	0.42
Ec	**1**	(untitled)	4	770-3	F	703	2150	72	10.00	53	70	10.11	6.35	42.24	5.16	100	500	0.00	65.30
	2	(untitled)	4	770-3	F	1146	2263	72	0.00	82	10	12.72	9.08	42.55	8.37	100	500	188.35	307.72

	3	(untitled)	4	770-3	F	1042	2263	72	4.00	75	21	10.49	6.98	28.80	5.74	100	500	0.00	76.83
	4	(untitled)	4	770-3	F	590	2250	72	22.00	42	112	9.87	6.43	61.52	6.33	100	500	0.00	73.15
Ecf	**1**	(untitled)	4			922	2100	120	28.48	44	104	4.17	0.73	1.89	4.84	100	100	0.00	3.21
	2	(untitled)	4			1019	2100	120	26.00	49	85	4.29	0.81	0.00	0.23	100	100	0.00	3.25
	3	(untitled)	4			1146	2263	120	30.97	58	55	5.91	2.39	17.71	5.21	100	100	0.00	17.33
	4	(untitled)	4			1672	2300	120	26.34	75	19	6.65	2.80	11.04	6.14	100	100	0.00	24.28
Ef	**1**	(untitled)	4			816	1900	120	0.00	43	110	16.02	0.71	0.00	0.16	100	100	0.00	2.29
	2	(untitled)	4			454	1900	120	0.00	24	277	15.60	0.30	0.00	0.04	100	100	0.00	0.53
Exp	**1**	(untitled)	4-2	770-4	L	922	2050	102	22.00	52	72	5.36	1.47	4.79	4.98	100	100	0.00	6.77
	2	(untitled)	4-2	770-4	L	316	2050	102	53.00	18	401	4.25	0.22	0.47	2.34	100	100	0.00	0.33
F	**1**	(untitled)	5	771-1	B	322	2100	18	0.00	92	-2	74.94	68.56	150.79	8.81	100	100	0.00	102.66
	2	(untitled)	5	771-1	B	207	2100	18	0.00	59	52	36.90	30.47	98.52	3.41	100	100	0.00	31.43
	3	(untitled)	5	771-1	B	293	2100	18	0.00	84	8	54.84	48.29	123.03	6.19	100	100	0.00	67.39
Fc	**1**	(untitled)	5	771-1	A	1182	2263	82	12.00	75	21	22.56	3.64	9.00	2.78	100	500	0.00	26.02
	2	(untitled)	5	771-1	A	1340	2263	82	11.22	95	-5	44.63	25.56	86.72	20.66	100	500	0.00	230.58
	3	(untitled)	5	771-1	A	1022	2263	82	17.92	68	33	28.19	8.89	80.31	18.72	100	500	0.00	100.96
Ff	**1**	(untitled)	5			529	1900	120	0.00	28	223	33.45	0.37	0.00	0.05	100	100	0.00	0.76
	2	(untitled)	5			293	1900	120	0.00	15	484	33.22	0.17	0.00	0.01	100	100	0.00	0.20
G	**1**	(untitled)	2	769-2	F	242	2050	34	21.02	40	122	24.93	8.96	98.67	5.21	100	100	0.00	12.62
	2	(untitled)	2	769-2	F	253	2050	34	5.02	42	113	24.03	12.64	94.74	4.87	100	100	0.00	20.28
Gf	**1**	(untitled)	4			239	2050	120	92.00	12	672	3.15	0.12	0.00	0.01	100	100	0.00	0.11
	2	(untitled)	4			215	2050	120	92.00	10	758	3.11	0.10	0.00	0.01	100	100	0.00	0.09
xA	**1**	(untitled)	10			1252	2263	120	30.93	62	45	19.01	1.79	4.83	3.00	100	100	0.00	10.80
	2	(untitled)	10			1475	2263	120	20.66	67	34	19.37	2.13	8.69	23.87	100	100	0.00	16.51
xB	**1**	(untitled)				1450	Unrestricted	120	1.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	**1**	(untitled)				470	1900	120	81.31	38	136	14.80	6.13	63.64	7.08	100	100	0.00	20.96
	2	(untitled)				400	1900	120	75.40	31	191	14.54	5.84	55.69	7.03	100	100	0.00	16.37
xD	**1**	(untitled)				902	Unrestricted	120	10.00	0	Unrestricted	9.13	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				201	Unrestricted	120	59.00	0	Unrestricted	9.21	0.00	0.00	0.00	100	100	0.00	0.00
xE	**1**	(untitled)				922	Unrestricted	120	8.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				316	Unrestricted	120	53.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	**1**	(untitled)				753	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	375	2050	58	19.73	37	143	17.20	10.59	72.33	7.73	100	100	0.00	26.23
E1	**1**	(untitled)	4	770-3	G	384	2050	26	0.00	80	12	42.32	36.32	106.89	6.95	100	100	0.00	68.20
	2	(untitled)	4	770-3	G	432	2200	26	0.00	84	7	45.35	39.35	110.98	8.14	100	100	0.00	82.45
Gf1	**1**	(untitled)	4			41	709	120	72.00	6	1471	3.85	0.15	0.00	0.00	100	100	0.00	0.02
Cc2	**2**	(untitled)	2	769-2	D	777	2150	60	12.07	71	27	18.88	11.96	56.53	8.07	100	500	0.00	111.69
	3	(untitled)	2	769-2	D	582	2050	60	20.03	56	61	16.26	9.08	44.76	5.16	100	500	0.00	59.69
	4	(untitled)	2	769-2	D	750	2150	60	16.12	68	33	14.71	7.87	38.12	5.90	100	500	0.00	70.03
	5	(untitled)	2	769-2	D	342	2050	60	42.00	32	179	8.80	0.81	0.00	0.08	100	500	0.00	1.09
E2	**3**	(untitled)	4	770-3	H	239	2150	26	0.56	49	85	27.40	23.41	85.65	3.42	100	100	0.00	28.64
	4	(untitled)	4	770-3	H	215	2050	26	0.00	45	100	26.85	22.77	84.98	3.05	100	100	0.00	25.18
TC5	**2**	(untitled)	TC771-6	TC777-1	A	893	2263	97	15.00	48	88	5.13	2.36	10.47	3.12	100	100	0.00	9.50
	3	(untitled)	TC771-6	TC777-1	A	1475 <	2263	97	8.00	79	14	6.64	3.87	8.68	4.37 +	100	100	0.00	24.13
	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	441	1925	86	0.00	31	191	16.76	5.76	30.93	4.62	100	100	0.00	11.73
	2	(untitled)	TC771-6	TC777-1	B	516	1966	86	0.00	35	154	17.17	6.10	31.52	5.42	100	100	0.00	14.47
	3	(untitled)	TC771-6	TC777-1	B	204	1947	86	0.00	14	537	15.81	4.69	27.67	1.88	100	100	0.00	4.48
TC35	**1**	(untitled)	TC771-6	TC777-1	A	359	1900	97	15.00	23	293	5.08	2.18	13.45	1.57	100	100	0.00	3.69
TC36	**1**	(untitled)	TC771-6			195	1800	120	0.00	11	731	3.15	0.12	0.00	0.01	100	100	0.00	0.09
TC37	**1**	(untitled)	TC771-6	TC777-2	J	34	1850	105	105.00	2	4226	4.09	0.90	11.69	0.13	100	100	0.00	0.26
TC38	**1**	(untitled)	TC771-6			34	249	120	61.00	14	558	8.64	7.11	40.34	2.43	100	100	0.00	1.43
TC39	**2**	(untitled)	TC771-6			893	2263	120	36.00	39	128	3.06	0.52	0.00	0.13	100	100	0.00	1.83
	3	(untitled)	TC771-6			1475	2263	120	29.00	65	38	3.88	1.48	0.00	0.61	100	100	0.00	8.62
TC40	**2**	(untitled)	TC771-6			927	Unrestricted	120	20.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC771-6			1475	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	161	1850	12	0.00	80	12	89.09	85.16	117.82	6.46	100	100	0.00	60.69

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			870	1300	120	30.00	67	35	18.82	2.78	0.00	0.67	100	100	0.00	9.55
48	**1**	(untitled)	2			1450	1965	120	0.00	74	22	9.18	2.56	0.00	1.03	100	100	0.00	14.65
49	**1**	(untitled)	TC771-6			655	1900	120	0.00	34	161	3.65	0.50	0.00	0.09	100	100	0.00	1.29
	2	(untitled)	TC771-6			506	1900	120	0.00	27	238	3.49	0.34	0.00	0.05	100	100	0.00	0.69
50	**1**	(untitled)	1			1777 <	1900	120	37.54	136	-34	492.20	486.43	366.50	258.43 +	100	100	0.00	3469.51
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

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	52	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3	770-1	C	0	11000	52	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	70	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	J	0	11000	70	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	**1**	(untitled)	4	770-3	I	0	11000	70	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	I	0	11000	70	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	26	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

	2	(untitled)	2	769-2	J	0	11000	26	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
10	**1**	(untitled)	2	769-2	K	0	11000	38	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	K	0	11000	38	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	**1**	(untitled)		769-2	H	0	11000	58	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	58	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	**1**	(untitled)	2	769-2	I	0	11000	56	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	56	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
13	**1**	(untitled)		TC777-1	I	0	11000	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	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	6694.06	791.98	8.45	618.34	8335.07	1391.96	188.35	9915.38
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	6694.06	791.98	8.45	618.34	8335.07	1391.96	188.35	9915.38

- *< = 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 DM_2019+Com+CP+Dev_03.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\DM
Report generation date: 24/01/2021 11:40:30

Summary of network performance

	Set ID	Cycle time (s)	PI (£ per hr)	Total delay (PCU-hr/hr)	Highest DOS	Number oversaturated
	PM Base 2019 + Com Dev + CP + Dev - PM 2019 + Com Dev + CP + Dev					
Network	A16 D16	60	9354.88	552.94	164% (TS TC36/1)	12 (8%)

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

File summary

File description

File title	(untitled)
Location	
Site number	
UTCRegion	

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

Model and Results

Enable controller offsets	Enable fuel consumption	Enable quick flares	Display journey time results	Display OD matrix distances	Display level of service results	Display blocking and starvation results	Display end of red and green queue results	Display excess queue results	Display separate uniform and random results	Display unweighted results	Display TRANSYT 12 style timings	Display effective greens in results	Display Red-With-Amber	Display End-Of-Green Amber	Display controller phase minimums

Units

Cost units	Speed units	Distance units	Fuel economy units	Fuel rate units	Mass units	Traffic units input	Traffic units results	Flow units	Average delay units	Total delay units	Rate of delay units
£	kph	m	mpg	l/h	kg	PCU	PCU	perHour	s	-Hour	perHour

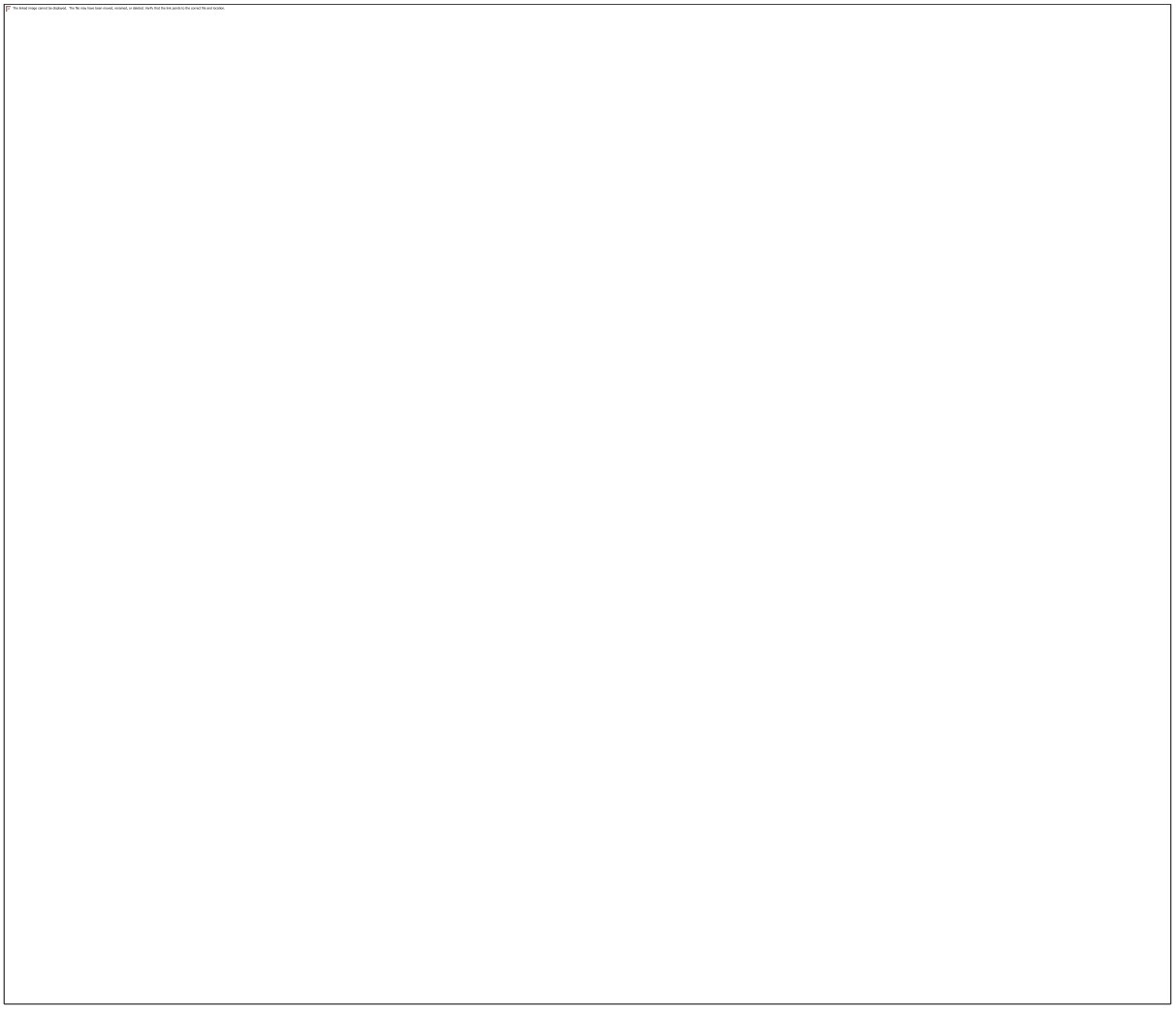
Sorting

Show names instead of IDs	Sorting direction	Sorting type	Ignore prefixes when sorting	Analysis/demand set sorting	Link grouping	Source grouping	Colour Analysis/Demand Sets
	Ascending	Numerical		ID	Normal	Normal	✓

Simulation options

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

Network Diagrams



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

Summary

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Traffic Stream Data	Arm Bf - Traffic Stream 1	Arm Bf - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm Bf - Traffic Stream 2	Arm Bf - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm Ff - Traffic Stream 1	Arm Ff - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm Ff - Traffic Stream 2	Arm Ff - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm xA - Traffic Stream 1	Arm xA - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm xA - Traffic Stream 2	Arm xA - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm TC38 - Traffic Stream 1	Traffic Stream 1: CTM uses a whole number of cells. CTM is using the length adjusted by 30%.

Warning	Local Matrix	Local Matrix 1	Local Matrix 1: Auto Calculate option is switched off - OD flows will not be allocated automatically to the network.
Warning	Traffic Stream Signals	Arm TC5 - Traffic Stream 4 - Signals (TC777-1, C)	Traffic Stream 4 controlling phase C never runs in the current stage sequence.
Warning	Traffic Stream Signals	Arm TC42 - Traffic Stream 1 - Signals (TC777-1, E)	Traffic Stream 1 controlling phase E never runs in the current stage sequence.
Info	Arm Data	Arm xC	No traffic node specified for arm(s): xC
Info	Traffic Stream Signals	Arm TC5 - Traffic Stream 4 - Signals (TC777-1, C)	Traffic Stream 4 controlling phase C never runs in stage sequence 1.
Info	Traffic Stream Signals	Arm TC42 - Traffic Stream 1 - Signals (TC777-1, E)	Traffic Stream 1 controlling phase E never runs in stage sequence 1.

Run Summary

Analysis set used	Run start time	Run finish time	Run duration (s)	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Item with worst overall PRC	Network within capacity
16	24/01/2021 11:39:33	24/01/2021 11:39:39	6.36	16:30	60	9354.88	552.94	163.98	TC36/1	12	8	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 Dev + CP + Dev			✓	D16		✓	

Demand Set Details

Scenario name	Time Period name	Description	Composite	Demand sets	Start time (HH:mm)	Locked	Run automatically
PM 2019 + Com Dev + CP + Dev					16:30		✓

Network Options

Network timings

Network cycle time (s)	Minimum possible cycle time (s)	Absolute minimum possible cycle time (s)	Restrict to SCOOT cycle times	Time segment length (min)	Number of time segments	Modelled time period (min)
60	37	37		60	1	60

Signals options

Start displacement (s)	End displacement (s)
2	3

Advanced

Phase minimum broken penalty (£)	Phase maximum broken penalty (£)	Intergreen broken penalty (£)	Starting Red-with-Amber (s)	Missing stage transition options
10000.00	10000.00	10000.00	2	Assume banned

Traffic options

Traffic model	Vehicle flow scaling factor (%)	Pedestrian flow scaling factor (%)	Cruise times or speeds
Platoon Dispersion (PDM)	100	100	Cruise Speeds

Advanced

Resolution	DOS Threshold (%)	Cruise scaling factor (%)	Use link stop weightings	Use link delay weightings	Exclude pedestrians from traffic model	Exclude pedestrians from results calculation	Random delay mode	Type of Vehicle-in-Service	Type of random parameter	PCU Length (m)	Calculate results for Path Segments	Generate PDM Profile Data
1	90	100	✓	✓			Complex	Uniform (TRANSYT)	Uniform (TRANSYT)	5.75		✓

Normal Traffic parameters

Dispersion type	Dispersion coefficient	Travel time coefficient
Default	35	80

Normal Traffic Types

Name	PCU Factor
Normal	1.00

Bus parameters

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

Tram parameters

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

Pedestrian parameters

Dispersion type
Default

Optimisation options

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

Advanced

Optimisation type	Hill climb increments	OUTProfile accuracy (%)	Use enhanced optimisation	Auto optimisation order	Optimisation order	Master controller	Offsets relative to master controller	Master controller offset after each run
Standard accuracy Hill Climb	15, 40, -1, 15, 40, 1, -1, 1	50, 50, 5, 5, 0.5, 0.5, 0.05, 0.05		✓	769-1, 769-2, 770-1, 770-2, 770-3, 770-4, 771-1, 771-2, TC777-1, TC777-2			Do nothing

Economics

Vehicle Monetary Value Of Delay (£ per PCU-hr)	Vehicle Monetary Value Of Stops (£ per 100 stops)	Pedestrian monetary value of delay (£ per Ped-hr)
14.20	2.60	14.20

Traffic Nodes

Traffic Nodes

Traffic node	Name	Description
(ALL)	(untitled)	

Arms and Traffic Streams

Arms

Arm	Name	Description	Traffic node
A	Dewsbury Rd SB		6
Ac	(untitled)		6
Acf	(untitled)		6
Af	Dewsbury Rd SB		6
B	M62 WB off slip		1
Bc	(untitled)		1
Bcf	(untitled)		1
Bf	M62 WB off slip		1
C	Bradford Rd WB		2
Cf	Bradford Rd WB		2
D	Dewsbury Rd NB		3
Dc	(untitled)		3
Dcf	(untitled)		3
Df	Dewsbury Rd NB		3-2
Dxp	Dewsbury Rd exit SB (ped)		3-2
Ec	(untitled)		4
Ecf	(untitled)		4
Ef	Bradford Rd EB		4
Exp	Bradford Rd exit WB (ped)		4-2
F	M62 EB off slip		5
Fc	(untitled)		5
Ff	M62 EB off slip		5
G	(untitled)		2
Gf	(untitled)		4
xA	Dewsbury Rd exit NB		10
xB	M62 EB on slip		
xC	(untitled)		
xD	Dewsbury Rd exit SB		
xE	Bradford Rd exit WB		
xF	M62 WB on slip		
Cc1	(untitled)		2
E1	Bradford Rd EB (left)		4
Gf1	(untitled)		4
Cc2	(untitled)		2
E2	Bradford Rd EB (ahead)		4
TC5	(untitled)		TC771-6
TC9	(untitled)		TC771-6
TC35	(untitled)		TC771-6
TC36	(untitled)		TC771-6
TC37	(untitled)		TC771-6
TC38	(untitled)		TC771-6
TC39	(untitled)		TC771-6
TC40	(untitled)		TC771-6
TC41	(untitled)		TC771-6
TC42	(untitled)		TC771-6
TC43	(untitled)		

47	(untitled)		2
48	(untitled)		2
49	(untitled)		TC771-6
50	(untitled)		1
51	(untitled)		4-2

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto length	Length (m)	Has Saturation Flow	Saturation flow source	Saturation flow (PCU/hr)	Auto-calculate cell saturation flow	Cell saturation flow (PCU/hr)	Is signal controlled	Is give way	Traffic type	Allow Nearside Turn On Red
A	1	(untitled)	M62E	✓	74.35	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.70	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.42	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.14	✓	Directly entered	2050		2050	✓		Normal	
Ac	1	(untitled)	M62E	✓	95.94	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Wake	✓	92.39	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.91	✓	Directly entered	2263		2263	✓		Normal	
Acf	1	(untitled)		✓	69.45	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	70.32	✓	Directly entered	2263		2263			Normal	
Af	1	(untitled)	M62E/Wake	✓	53.54	✓	Directly entered	2050		2050			Normal	
	2	(untitled)	Dews	✓	53.19	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	53.01	✓	Directly entered	2050		2050			Normal	
B	1	(untitled)	Wake/Dews	✓	94.67	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Brad	✓	97.18	✓	Directly entered	2150		2150	✓		Normal	
	3	(untitled)	Leeds	✓	99.69	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)		✓	102.42	✓	Directly entered	2050		2050	✓		Normal	
Bc	1	(untitled)	Wake	✓	132.53	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Dews	✓	131.15	✓	Directly entered	2050		2263	✓		Normal	
	3	(untitled)	Brad/M62W	✓	129.77	✓	Directly entered	2050		2050	✓		Normal	
Bcf	1	(untitled)		✓	62.79	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	62.68	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.56	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.47	✓	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	
Dc	**1**	(untitled)	Brad	✓	50.38	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.43	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	46.49	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	44.54	✓	Directly entered	2100		2100	✓		Normal	
Dcf	**1**	(untitled)		✓	66.24	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	66.21	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	68.90	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	67.02	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	67.20	✓	Directly entered	2100		2100			Normal	
Df	**1**	(untitled)			200.00	✓	Sum of lanes	1900					Normal	
	2	(untitled)			200.00	✓	Directly entered	2250					Normal	
Dxp	**1**	(untitled)		✓	46.33	✓	Directly entered	2050			✓		Normal	
	2	(untitled)		✓	48.35	✓	Directly entered	2050			✓		Normal	
Ec	**1**	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal	
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)	M62E	✓	45.93	✓	Directly entered	2250		2250	✓		Normal	
Ecf	**1**	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal	
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	46.93	✓	Directly entered	2263		2263			Normal	
	4	(untitled)		✓	50.37	✓	Directly entered	2300		2300			Normal	
Ef	**1**	(untitled)		✓	127.54	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal	
Exp	**1**	(untitled)		✓	51.83	✓	Directly entered	2050		2100	✓		Normal	
	2	(untitled)		✓	53.71	✓	Directly entered	2050		2100	✓		Normal	

F	**1**	(untitled)	Leeds	✓	85.13	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.25	✓	Directly entered	2100		2100	✓		Normal	
Fc	**1**	(untitled)	Leeds	✓	183.42	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Leeds	✓	181.66	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	M62E/Dews	✓	180.50	✓	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)		✓	229.56	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	229.83	✓	Directly entered	2263		2263			Normal	
xB	**1**	(untitled)		✓	77.15								Normal	
xC	**1**	(untitled)		✓	115.60	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	115.98	✓	Sum of lanes	1900		1900			Normal	
xD	**1**	(untitled)		✓	121.71								Normal	
	2	(untitled)		✓	122.74								Normal	
xE	**1**	(untitled)		✓	173.89								Normal	
	2	(untitled)		✓	173.83								Normal	
xF	**1**	(untitled)		✓	162.53								Normal	
Cc1	**1**	(untitled)	Wake	✓	96.01	✓	Directly entered	2050		2050	✓		Normal	
E1	**1**	(untitled)	M62W/Leeds		80.00	✓	Directly entered	2050		1900	✓		Normal	
	2	(untitled)	Leeds/M62E		80.00	✓	Directly entered	2200		2100	✓		Normal	
Gf1	**1**	(untitled)		✓	49.26							✓	Normal	
Cc2	**2**	(untitled)	Dews	✓	92.40	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	89.42	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	89.19	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	88.82	✓	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	

Lanes

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

	3	**3**	(untitled)											
Acf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
Af	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
B	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
Bc	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
	3	**1**	(untitled)											
Bcf	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
	3	**1**	(untitled)											
	4	**1**	(untitled)											
Bf	**1**	**1**	(untitled)											1800
	2	**1**	(untitled)											1800
C	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Cf	**1**	**2**	(untitled)											1965
	2	**1**	(untitled)											1965
D	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Dc	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
Dcf	**1**	**1**	(untitled)											

	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
	5	**5**	(untitled)											
Df	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											
Dxp	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
Ec	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
	3	**1**	(untitled)											
	4	**1**	(untitled)											
Ecf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
Ef	**1**	**1**	(untitled)											
	2	**2**	(untitled)											1900
Exp	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
F	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Fc	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Ff	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											1900
G	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
Gf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											

xA	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xB	**1**	**1**	(untitled)											
xC	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											1900
xD	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xE	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xF	**1**	**1**	(untitled)											
Cc1	**1**	**1**	(untitled)											
E1	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
Gf1	**1**	**1**	(untitled)											
Cc2	**2**	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
	5	**5**	(untitled)											
E2	**3**	**3**	(untitled)											
	4	**4**	(untitled)											
TC5	**2**	**1**	(untitled)		✓	N/A	Clearly Good	0	3.50	✓	0	99999.00		2263
	3	**1**	(untitled)											
	4	**1**	(untitled)											1800
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

Modelling

Arm	Traffic Stream	Traffic model	Stop weighting multiplier (%)	Delay weighting multiplier (%)	Assignment Cost Weighting (%)	Exclude from results calculation	Max queue storage (PCU)	Has queue limit	Queue limit (PCU)	Excess queue penalty (£)	Has degree of saturation limit	Degree of saturation limit (%)	Excess degree of saturation penalty (£)	Low degree of saturation penalty (£)
A	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Ac	**1**	CTM	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	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Bc	**1**	CTM	500	100	100		0.00	✓	23.00	9999.00				
	2	CTM	500	100	100		0.00	✓	23.00	9999.00				
	3	CTM	500	100	100		0.00	✓	23.00	9999.00				
Bcf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	500	100	100		0.00	✓	10.50	9999.00				
	4	CTM	100	100	100		0.00							
Bf	**1**	CTM	100	100	100		0.00							

	2	CTM	100	100	100		0.00							
C	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Cf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
D	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Dc	**1**	CTM	500	100	100		0.00	✓	8.50	9999.00				
	2	CTM	500	100	100		0.00	✓	8.50	9999.00				
	3	CTM	500	100	100		0.00	✓	8.50	9999.00				
	4	CTM	500	100	100		0.00	✓	8.50	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	500	100	100		0.00	✓	11.50	9999.00				
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							
Ef	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Exp	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
F	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Fc	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	500	100	100		0.00	✓	31.00	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	100	100	100		0.00							

	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	100	100	100		0.00							
	2	CTM	100	100	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				
E2	**3**	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
TC 5	**2**	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
TC 9	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
TC 35	**1**	CTM	100	100	100		0.00							
TC 36	**1**	NetworkDefault	100	100	100		0.00							
TC 37	**1**	CTM	100	100	100		0.00							
TC 38	**1**	CTM	100	100	100		0.00							
TC 39	**2**	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
TC 40	**2**	PDM	100	100	100		0.00							
	3	PDM	100	100	100		0.00							
TC 41	**1**	CTM	100	100	100		0.00							
TC 42	**1**	NetworkDefault	100	100	100		0.00							
TC 43	**1**	NetworkDefault	100	100	100		0.00							
47	**1**	CTM	100	100	100		0.00							

48	**1**	NetworkDefault	100	100	100		0.00							
49	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
50	**1**	NetworkDefault	100	100	100		0.00							
51	**1**	NetworkDefault	100	100	100		0.00							

Modelling - Advanced

Arm	Traffic Stream	Initial queue (PCU)	Type of Vehicle-in-Service	Vehicle-in-Service	Type of random parameter	Random parameter	Auto cycle time	Cycle time
(ALL)	**(ALL)**	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	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	331	331
	3	843	843
	4	678	678
Ac	**1**	821	821
	2	344	344
	3	427	427
Acf	**1**	1165	1165
	2	427	427
Af	**1**	1178	1178
	2	843	843
	3	678	678
B	**1**	312	312
	2	331	331
	3	304	304
	4	365	365
Bc	**1**	675	675
	2	1048	1048
	3	900	900
Bcf	**1**	1668	1668
	2	675	675
	3	1048	1048
	4	900	900
Bf	**1**	643	643
	2	670	670
C	**1**	427	427
	2	352	352
	3	186	186
Cf	**1**	577	577
	2	388	388

D	**1**	385	385
	2	404	404
	3	514	514
Dc	**1**	598	598
	2	934	934
	3	187	187
	4	551	551
Dcf	**1**	1183	1183
	2	1320	1320
	3	934	934
	4	187	187
	5	551	551
Df	**1**	789	789
	2	514	514
Dxp	**1**	1183	1183
	2	722	722
Ec	**1**	694	694
	2	591	591
	3	641	641
	4	382	382
Ecf	**1**	689	689
	2	1228	1228
	3	591	591
	4	1065	1065
Ef	**1**	771	771
	2	551	551
Exp	**1**	689	689
	2	534	534
F	**1**	211	211
	2	349	349
	3	344	344
Fc	**1**	731	731
	2	767	767
	3	787	787
Ff	**1**	560	560
	2	344	344
G	**1**	290	290
	2	303	303
Gf	**1**	289	289
	2	262	262
xA	**1**	827	827
	2	770	770
xB	**1**	1668	1668
xC	**1**	679	679
	2	640	640
xD	**1**	1183	1183
	2	722	722
xE	**1**	689	689
	2	534	534
xF	**1**	794	794
Cc1	**1**	726	726
E1	**1**	366	366
	2	405	405
Gf1	**1**	42	42
Cc2	**2**	1098	1098

	3	768	768
	4	978	978
	5	365	365
E2	**3**	289	289
	4	262	262
TC5	**2**	655	655
	3	770	770
	4	0	0
TC9	**1**	1033	1033
	2	817	817
	3	521	521
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**	1284	1284
	2	1087	1087
50	**1**	1313	1313
51	**1**	904	904

Signals

Arm	Traffic Stream	Controller stream	Phase	Second phase enabled
A	**1**	771-2	E	
	2	771-2	E	
	3	771-2	E	
	4	771-2	E	
Ac	**1**	771-2	D	
	2	771-2	D	
	3	771-2	D	
B	**1**	769-1	B	
	2	769-1	B	
	3	769-1	B	
	4	769-1	B	
Bc	**1**	769-1	A	
	2	769-1	A	
	3	769-1	A	
C	**1**	769-2	G	
	2	769-2	G	
	3	769-2	G	
D	**1**	770-1	B	
	2	770-1	B	
	3	770-1	B	
Dc	**1**	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	

Dxp	**1**	770-2	D	
	2	770-2	D	
Ec	**1**	770-3	F	
	2	770-3	F	
	3	770-3	F	
	4	770-3	F	
Exp	**1**	770-4	L	
	2	770-4	L	
F	**1**	771-1	B	
	2	771-1	B	
	3	771-1	B	
Fc	**1**	771-1	A	
	2	771-1	A	
	3	771-1	A	
G	**1**	769-2	F	
	2	769-2	F	
Cc1	**1**	769-2	E	
E1	**1**	770-3	G	
	2	770-3	G	
Cc2	**2**	769-2	D	
	3	769-2	D	
	4	769-2	D	
	5	769-2	D	
E2	**3**	770-3	H	
	4	770-3	H	
TC5	**2**	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	**1**	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	**1**	TC777-1	A	
TC37	**1**	TC777-2	J	
TC41	**1**	TC777-1	D	
TC42	**1**	TC777-1	E	

Entry Sources

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

Sources

Arm	Traffic Stream	Source	Source traffic stream	Destination traffic stream	Cruise time for Normal Traffic (s)	Cruise speed for Normal Traffic (kph)	Auto turning radius	Traffic turn style	Turning radius (m)
A	**1**	**1**	Af/1	A/1	5.58	48.00	✓	Straight	Straight Movement

	2	**1**	Af/1	A/2	5.75	48.00	✓	Straight	Straight Movement
	3	**1**	Af/2	A/3	5.88	48.00	✓	Straight	Straight Movement
	4	**1**	Af/3	A/4	6.01	48.00	✓	Straight	Straight Movement
Ac	**1**	**1**	Acf/1	Ac/1	7.20	48.00	✓	Offside	48.59
	2	**1**	Acf/1	Ac/2	9.50	35.00	✓	Offside	46.08
	3	**1**	Acf/2	Ac/3	6.59	48.00	✓	Offside	42.76
Acf	**1**	**1**	F/2	Acf/1	5.21	48.00	✓	Straight	Straight Movement
	2	**1**	F/3	Acf/2	7.23	35.00	✓	Straight	Straight Movement
Af	**1**	**1**	TC42/1	Af/1	6.42	30.00	✓	Nearside	10.60
	2	**1**	TC42/1	Af/2	6.38	30.00	✓	Nearside	10.60
	3	**1**	TC42/1	Af/3	6.36	30.00	✓	Nearside	10.60
B	**1**	**1**	Bf/1	B/1	7.10	48.00	✓	Straight	Straight Movement
	2	**1**	Bf/1	B/2	7.29	48.00	✓	Straight	Straight Movement
	3	**1**	Bf/2	B/3	7.48	48.00	✓	Straight	Straight Movement
	4	**1**	Bf/2	B/4	12.29	30.00	✓	Straight	Straight Movement
Bc	**1**	**1**	Bcf/2	Bc/1	11.93	40.00	✓	Offside	50.93
	2	**1**	Bcf/3	Bc/2	11.80	40.00	✓	Offside	47.61
	3	**1**	Bcf/4	Bc/3	11.68	40.00	✓	Offside	44.30
Bcf	**1**	**1**	A/1	Bcf/1	4.71	48.00	✓	Nearside	68.54
	2	**1**	A/2	Bcf/2	6.64	34.00	✓	Nearside	71.86
	3	**1**	A/3	Bcf/3	6.62	34.00	✓	Nearside	75.17
	4	**1**	A/4	Bcf/4	6.61	34.00	✓	Nearside	78.48
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
Dc	**1**	**1**	Dcf/2	Dc/1	3.78	48.00	✓	Offside	55.36
	2	**1**	Dcf/3	Dc/2	3.63	48.00	✓	Offside	52.05
	3	**1**	Dcf/4	Dc/3	3.49	48.00	✓	Offside	48.73
	4	**1**	Dcf/5	Dc/4	3.34	48.00	✓	Offside	45.42
Dcf	**1**	**1**	Cc2/2	Dcf/1	4.97	48.00	✓	Straight	Straight Movement
	2	**1**	Cc2/4	Dcf/2	4.97	48.00	✓	Straight	Straight Movement
	3	**1**	Cc2/3	Dcf/3	5.17	48.00	✓	Straight	Straight Movement
	4	**1**	C/2	Dcf/4	5.03	48.00	✓	Nearside	59.37

	5	**1**	Cc2/5	Dcf/5	5.04	48.00	✓	Straight	Straight Movement
Dxp	**1**	**1**	Dcf/1	Dxp/1	3.48	48.00	✓	Nearside	79.47
	2	**1**	Dcf/2	Dxp/2	3.63	48.00	✓	Nearside	82.78
Ec	**1**	**1**	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42
	2	**1**	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	**1**	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	**1**	Ecf/4	Ec/4	3.44	48.00	✓	Offside	67.06
Ecf	**1**	**1**	Dc/1	Ecf/1	3.45	48.00	✓	Offside	76.11
	2	**1**	Dc/2	Ecf/2	3.48	48.00	✓	Offside	72.80
	3	**1**	Dc/3	Ecf/3	3.52	48.00	✓	Offside	69.49
	4	**1**	Dc/4	Ecf/4	3.78	48.00	✓	Offside	66.17
Exp	**1**	**1**	Ecf/1	Exp/1	3.89	48.00	✓	Nearside	52.96
	2	**1**	Ecf/2	Exp/2	4.03	48.00	✓	Nearside	56.27
F	**1**	**1**	Ff/1	F/1	6.38	48.00	✓	Straight	Straight Movement
	2	**1**	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement
	3	**1**	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	**1**	**1**	Ec/2	Fc/1	18.87	35.00	✓	Straight	Straight Movement
	2	**1**	Ec/3	Fc/2	18.69	35.00	✓	Straight	Straight Movement
	3	**1**	Ec/4	Fc/3	18.57	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	17.24	48.00	✓	Straight	Straight Movement
xB	**1**	**1**	Bcf/1	xB/1	5.79	48.00	✓	Nearside	59.55
xC	**1**	**1**	G/1	xC/1	8.67	48.00	✓	Straight	Straight Movement
	2	**1**	G/2	xC/2	8.70	48.00	✓	Straight	Straight Movement
xD	**1**	**1**	Dxp/1	xD/1	9.13	48.00	✓	Nearside	30.26
	2	**1**	Dxp/2	xD/2	9.21	48.00	✓	Nearside	33.58
xE	**1**	**1**	Exp/1	xE/1	13.04	48.00	✓	Straight	Straight Movement
	2	**1**	Exp/2	xE/2	13.04	48.00	✓	Straight	Straight Movement
xF	**1**	**1**	Ec/1	xF/1	12.19	48.00	✓	Straight	Straight Movement
Cc1	**1**	**1**	B/1	Cc1/1	8.64	40.00	✓	Straight	Straight Movement
E1	**1**	**1**	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	**1**	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96
Gf1	**1**	**1**	Ecf/4	Gf1/1	3.69	48.00	✓	Offside	25.08

Cc2	**2**	**1**	B/1	Cc2/2	8.32	40.00	✓	Straight	Straight Movement
	3	**1**	Bc/3	Cc2/3	5.96	54.00	✓	Straight	Straight Movement
	4	**1**	Bc/3	Cc2/4	5.95	54.00	✓	Straight	Straight Movement
	5	**1**	Bc/3	Cc2/5	5.92	54.00	✓	Offside	97.84
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
Acf	**1**	**2**	Fc/3	Acf/1	5.21	48.00	✓	Straight	Straight Movement
	2	**2**	Fc/3	Acf/2	7.23	35.00	✓	Straight	Straight Movement
Af	**1**	**2**	TC9/1	Af/1	6.42	30.00	✓	Straight	Straight Movement
	2	**2**	TC9/2	Af/2	6.38	30.00	✓	Straight	Straight Movement
	3	**2**	TC9/3	Af/3	6.36	30.00	✓	Straight	Straight Movement
Bcf	**1**	**2**	Ac/1	Bcf/1	3.97	57.00	✓	Offside	98.91
	2	**2**	Ac/2	Bcf/2	3.96	57.00	✓	Offside	95.59
	3	**2**	Ac/3	Bcf/3	3.95	57.00	✓	Offside	92.28
	4	**2**	Ac/3	Bcf/4	3.95	57.00	✓	Offside	92.28
C	**2**	**2**	Cf/1	C/2	14.73	30.00	✓	Offside	56.58
Dcf	**1**	**2**	C/1	Dcf/1	4.97	48.00	✓	Nearside	56.06
	2	**2**	C/1	Dcf/2	4.97	48.00	✓	Nearside	56.06
	3	**2**	C/2	Dcf/3	5.17	48.00	✓	Nearside	59.37
	4	**2**	Cc2/3	Dcf/4	8.04	30.00	✓	Straight	Straight Movement
	5	**2**	C/3	Dcf/5	5.04	48.00	✓	Nearside	62.69
Ecf	**1**	**2**	D/1	Ecf/1	3.45	48.00	✓	Nearside	43.36

	2	2	D/1	Ecf/2	3.48	48.00	✓	Nearside	43.36
	3	2	D/2	Ecf/3	3.52	48.00	✓	Nearside	46.68
	4	2	D/3	Ecf/4	3.78	48.00	✓	Nearside	49.99
Fc	1	2	E1/1	Fc/1	20.64	32.00	✓	Nearside	58.94
	2	2	E1/1	Fc/2	20.44	32.00	✓	Nearside	60.85
	3	2	E1/2	Fc/3	20.31	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	17.24	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	6.40	54.00	✓	Straight	Straight Movement
Cc2	2	2	Bc/2	Cc2/2	6.16	54.00	✓	Straight	Straight Movement
	3	2	B/3	Cc2/3	8.05	40.00	✓	Straight	Straight Movement
	4	2	B/2	Cc2/4	8.03	40.00	✓	Straight	Straight Movement
	5	2	B/4	Cc2/5	7.99	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	5.21	48.00	✓	Straight	Straight Movement
Af	1	3	TC41/1	Af/1	6.42	30.00	✓	Offside	6.19
	2	3	TC41/1	Af/2	6.38	30.00	✓	Offside	6.19
	3	3	TC41/1	Af/3	6.36	30.00	✓	Offside	6.19
Dcf	3	3	Cc2/4	Dcf/3	8.27	30.00	✓	Straight	Straight Movement
Ecf	4	3	D/2	Ecf/4	6.04	30.00	✓	Nearside	46.68
xA	2	3	Fc/1	xA/2	17.24	48.00	✓	Straight	Straight Movement
Cc2	2	3	B/2	Cc2/2	8.32	40.00	✓	Straight	Straight Movement
	4	3	Bc/2	Cc2/4	5.95	54.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

Traffic Stream	Description	Controlling type	Controlling traffic stream	Percentage opposing (%)	Slope coefficient	Upstream signals visible
1		TrafficStream	Gf/1	100	0.22	
		TrafficStream	Gf/2	100	0.22	

		TrafficStream	TC39/2	100	0.22	
		TrafficStream	TC39/3	100	0.22	

Pedestrian Crossings

Pedestrian Crossings

Crossing	Name	Description	Traffic node	Allow walk on red	Crossing type	Length (m)	Cruise time (seconds)	Cruise speed (kph)
1	(untitled)		3-2		Nearside	3.00	2.00	5.40
2	(untitled)		3		Nearside	3.00	2.00	5.40
3	(untitled)		4-2		Nearside	3.00	2.00	5.40
4	(untitled)		4		Nearside	3.00	2.00	5.40
5	(untitled)		4		Nearside	3.00	2.00	5.40
6	(untitled)		4		Nearside	3.00	2.00	5.40
7	(untitled)		5		Nearside	3.00	2.00	5.40
8	(untitled)		1		Nearside	3.00	2.00	5.40
9	(untitled)		2		Nearside	3.00	2.00	5.40
10	(untitled)		2		Nearside	3.00	2.00	5.40
11	(untitled)				Nearside	3.00	2.00	5.40
12	(untitled)		2		Nearside	3.00	2.00	5.40
13	(untitled)				Farside	3.00	2.00	5.40
14	(untitled)				Farside	3.00	2.00	5.40
15	(untitled)				Nearside	3.00	2.00	5.40
16	(untitled)				Nearside	3.00	2.00	5.40
17	(untitled)				Nearside	3.00	2.00	5.40

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	23	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	362
	24		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	25		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	32	I1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	91

	36		C28	E28	Df/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	0
	41		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	322
	42		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	1
	43		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	44		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	45		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	1
	49	I1	C28	D28	Df/1, D/1, Ecf/2, Ec/1, xF/1	Normal	294
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	100
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	132
	86		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	100
	91	I2	C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	19
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	8
	96		A28	C28	50/1, Bf/1, B/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	11
	97		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	98		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	99	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	41
	100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Normal	262
	101		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	261
	103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
	104	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	382
	105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	0
	106		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	566
	107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	51
	108		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	169
	109	I3	C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	110
	110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	14
	111		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	73
	113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	118
	114		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	4
	116		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	10
	117		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	118		F28	C28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	35
	119		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	12
	120		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	10
	121		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	3

	125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	128		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/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	0
	131		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	132		H28	C28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	133		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	134		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	135		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	136		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	0
	138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	0
	139		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	2
	140		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	141		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	142		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	144		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	145		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	146		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	147		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	0
	148		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
	149	l3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	1
	150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	289
	151		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0
	152		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	153		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	27
	154		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	112
	156		C28	G28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	157		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	158		B28	D28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	45
	159		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	115
	160		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	43
	161		B28	F28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0

	162		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	163		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	17
	164		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	165		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	85
	167		B28	E28	48/1, Cf/1, C/1, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	338
	168		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal	729
	169		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	18
	170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	286
	171		G28	H28	49/1, TC9/1, TC43/1	Normal	0
	172		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Disabled	0
	173		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Disabled	0
	174		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Disabled	0
	175		G28	C28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	164
	176		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	5
	177		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	129
	178		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	198
	179		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Disabled	0
	180		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	181		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	182		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	183		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	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	117
	187		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	203
	188		C28	B28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	189		C28	B28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	192		C28	B28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	193		C28	B28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	194		C28	B28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	46
	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	111

	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	344
	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		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	49
	204		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	208
	205		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	12
	206		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	207		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	1
	208		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	209		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	210		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	362
	211		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	212		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	12
	213		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	208
	214		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	215		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	25
	216		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	217		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	218		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	31
	219		A28	F28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	54
	220		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	221		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	222		A28	D28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
	223		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	224		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	225		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	226		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	227		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	228		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
	229		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	230		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	231		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	232		A28	H28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0

	233		B28	H28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	234	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	4
	235		E28	G28	Ef/1, E1/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	0
	236		E28	H28	Ef/1, E1/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	237		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	243		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	244		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	245		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	246		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	81
	247		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	248		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	72
	249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	250		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	251		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	252		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	16
	253		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	254		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	255	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	257		C28	H28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	258		C28	A28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	260		C28	A28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	263		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	264		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	265		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	266		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	0
	267		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Fixed	0
	268		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	269		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	270		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	271		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	272		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Disabled	0
	275		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Disabled	0
	276		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0

	278		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
	279		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
	280		C28	B28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	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
	287		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	288		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	289		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	290		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	291		D28	F28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	292		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	293		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	294		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	295		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	296		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	297		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	298		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	299		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	300		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	301		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	302		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	303		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	304		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	305		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	306		G28	C28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	200
	307		G28	C28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	25
	308		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	26
	309		G28	D28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	310		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	311		B28	D28	48/1, Cf/1, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	114
	312		B28	E28	48/1, Cf/1, C/2, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	1

	313		B28	G28	48/1, Cf/1, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	22
	314		B28	F28	48/1, Cf/1, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	12
	315		B28	G28	48/1, Cf/1, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	316		B28	H28	48/1, Cf/1, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	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	683	2050	19	683	100	-10	105.87	24.18	187.02	111.45
		2	(untitled)	E	271	2050	19	683	40	127	28.88	4.17	31.30	34.63
		3	(untitled)	E	683	2050	19	683	100	-10	107.04	24.18	177.31	112.92
		4	(untitled)	E	516	2050	19	683	76	19	29.80	6.55	46.98	35.81
	Ac	1	(untitled)	D	821	2263	31	1207	68	32	18.05	14.73	88.30	25.24
		2	(untitled)	D	344	2263	31	1175	29	207	0.68	1.75	10.90	10.18
		3	(untitled)	D	426	2263	31	1207	35	155	0.81	0.10	0.63	7.41
	Acf	1	(untitled)		1165	2263	60	2263	51	75	0.84	2.59	21.46	6.05
		2	(untitled)		426	2263	60	2263	19	378	0.18	0.02	0.18	7.42
	Af	1	(untitled)		955	2050	60	958	100	-10	69.95	22.77	244.58	76.38
		2	(untitled)		683	2050	60	683	100	-10	96.53	21.28	230.05	102.91
		3	(untitled)		516	2050	60	2050	25	257	0.30	0.04	0.46	6.66
	B	1	(untitled)	B	312	2050	16	581	54	68	21.76	4.21	25.57	28.86
		2	(untitled)	B	331	2150	16	603	55	64	21.83	4.47	26.44	29.12
		3	(untitled)	B	305	2100	16	589	52	74	21.37	4.09	23.58	28.85

	4	(untitled)	B	365	2050	16	581	63	43	23.94	5.49	30.84	36.23
Bc	**1**	(untitled)	A	615	2050	32	1128	55	65	10.27	6.17	26.75	22.20
	2	(untitled)	A	887	2050	32	1083	82	10	23.92	14.44	63.32	35.72
	3	(untitled)	A	738	2050	32	1006	73	23	17.55	10.74	47.60	29.23
Bcf	**1**	(untitled)		1504	2263	60	2263	66	35	1.57	0.66	6.01	5.88
	2	(untitled)		615	2263	60	2263	27	231	0.30	0.05	0.47	5.44
	3	(untitled)		887	2263	60	2263	39	130	0.51	0.13	1.16	6.52
	4	(untitled)		738	2263	60	2263	33	176	0.39	0.08	0.73	6.20
Bf	**1**	(untitled)		643	1800	60	1800	36	152	0.56	0.10	0.25	27.89
	2	(untitled)		670	1800	60	1800	37	142	0.59	0.11	0.28	28.01
C	**1**	(untitled)	G	427	2100	16	595	72	25	26.95	6.96	33.05	41.48
	2	(untitled)	G	351	2200	16	623	56	60	22.12	5.14	24.07	36.84
	3	(untitled)	G	186	2050	16	581	32	181	18.43	2.40	11.10	33.35
Cf	**1**	(untitled)		575	1965	60	1965	29	208	0.38	0.06	0.24	17.73
	2	(untitled)		389	1965	60	1965	20	355	0.23	0.02	0.10	17.73
D	**1**	(untitled)	B	385	2050	15	547	70	28	27.57	6.01	62.87	31.69
	2	(untitled)	B	405	1850	15	493	82	10	36.46	7.24	75.67	40.59
	3	(untitled)	B	513	2250	15	600	86	5	37.18	9.14	99.41	41.15
Dc	**1**	(untitled)	A	588	2100	35	1260	47	93	10.37	4.32	49.30	14.15
	2	(untitled)	A	827	2100	35	1260	66	37	10.39	7.18	85.27	14.03
	3	(untitled)	A	182	2100	35	1260	14	522	7.21	2.33	28.83	10.69
	4	(untitled)	A	551	2100	35	1260	44	106	7.25	6.07	78.33	10.59
Dcf	**1**	(untitled)		1037	2050	60	2050	51	78	0.90	0.26	2.24	5.87
	2	(untitled)		1255	2100	60	2100	60	51	1.27	0.44	3.84	6.23
	3	(untitled)		827	2100	60	1828	45	99	1.55	2.51	20.96	6.72
	4	(untitled)		182	2100	60	2100	9	937	0.08	0.00	0.04	6.85
	5	(untitled)		551	2100	60	1985	28	224	0.64	2.42	20.70	5.68
Df	**1**	(untitled)		790	1900	60	1900	42	116	0.67	0.15	0.42	24.67
	2	(untitled)		513	2250	60	2016	25	254	0.50	1.18	3.40	24.50
Dxp	**1**	(untitled)	D	1038	2050	43	1503	69	30	3.27	1.60	19.88	6.74
	2	(untitled)	D	661	2050	43	1503	44	105	0.98	0.21	2.52	4.61
Ec	**1**	(untitled)	F	630	2150	35	1290	49	84	3.95	2.91	33.37	7.70

		2	(untitled)	F	587	2263	35	1358	43	108	1.54	0.51	6.11	5.17
		3	(untitled)	F	641	2263	35	1358	47	91	6.57	4.87	59.90	10.08
		4	(untitled)	F	382	2250	35	1350	28	218	0.59	0.07	0.93	4.03
	Ecf	1	(untitled)		679	2100	60	2100	32	178	0.41	2.40	29.99	3.85
		2	(untitled)		1121	2100	60	2100	53	69	0.98	0.31	3.78	4.46
		3	(untitled)		587	2263	60	2263	26	247	0.28	0.05	0.56	3.80
		4	(untitled)		1064	2300	60	2300	46	95	0.67	0.20	2.27	4.45
	Ef	1	(untitled)		770	1900	60	1900	41	122	0.64	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	679	2050	42	1469	46	95	2.36	4.85	53.76	6.25
		2	(untitled)	L	491	2050	42	1469	33	169	0.61	0.08	0.90	4.64
	F	1	(untitled)	B	211	2100	10	385	55	64	27.87	3.32	22.42	34.26
		2	(untitled)	B	349	2100	10	385	91	-1	60.39	8.70	58.38	66.82
		3	(untitled)	B	344	2100	10	385	89	1	56.74	8.24	54.28	63.28
	Fc	1	(untitled)	A	727	2263	40	1546	47	91	3.97	7.44	23.33	23.17
		2	(untitled)	A	767	2263	40	1544	50	81	5.41	5.53	17.50	24.39
		3	(untitled)	A	786	2263	40	1515	52	73	5.50	7.43	23.67	24.96
	Ff	1	(untitled)		560	1900	60	1900	29	205	0.40	0.06	0.13	33.48
		2	(untitled)		344	1900	60	1900	18	397	0.21	0.02	0.04	33.26
	G	1	(untitled)	F	289	2050	16	558	52	74	27.51	5.35	19.82	43.48
		2	(untitled)	F	303	2050	16	558	54	66	10.83	4.97	18.83	22.22
	Gf	1	(untitled)		289	2050	60	2050	14	538	0.14	0.01	0.16	3.18
		2	(untitled)		262	2050	60	2050	13	604	0.13	0.01	0.13	3.13
	xA	1	(untitled)		823	2263	60	2055	40	125	2.49	7.12	17.84	19.71
		2	(untitled)		770	2263	60	2009	38	135	2.33	4.91	12.29	19.57
	xB	1	(untitled)		1504	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
	xC	1	(untitled)		665	1900	60	1156	57	57	6.21	9.67	48.12	14.88
		2	(untitled)		594	1900	60	1141	52	73	5.82	7.25	35.93	14.52
	xD	1	(untitled)		1038	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
		2	(untitled)		661	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
	xE	1	(untitled)		679	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		491	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04

xF	**1**	(untitled)		730	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
Cc1	**1**	(untitled)	E	666	2050	29	998	67	35	15.82	10.92	65.37	22.39
E1	**1**	(untitled)	G	366	2050	14	513	71	26	29.15	5.93	42.62	35.15
	2	(untitled)	G	404	2200	14	550	73	23	29.54	6.54	46.99	35.54
Gf1	**1**	(untitled)		41	689	60	689	6	1412	0.17	0.00	0.02	3.86
Cc2	**2**	(untitled)	D	952	2150	30	1079	88	2	25.75	13.75	85.58	32.52
	3	(untitled)	D	658	2050	30	1059	62	45	9.38	9.88	63.57	16.31
	4	(untitled)	D	913	2150	30	1093	84	8	23.45	14.72	94.93	30.13
	5	(untitled)	D	365	2050	30	1059	34	161	0.89	0.09	0.59	8.89
E2	**3**	(untitled)	H	289	2150	14	526	55	64	23.80	4.11	44.31	27.80
	4	(untitled)	H	262	2050	14	513	51	76	23.01	3.69	39.01	27.09
TC5	**2**	(untitled)	A	656	2263	41	1622	40	123	2.52	3.03	75.68	5.29
	3	(untitled)	A	770	2263	41	1622	47	90	2.96	3.11	77.75	5.72
	4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
TC9	**1**	(untitled)	B	866	1925	42	894	97	-7	62.37	22.03	138.13	73.38
	2	(untitled)	B	667	1966	42	667	100	-10	122.98	28.37	176.90	134.04
	3	(untitled)	B	421	1947	42	1460	29	212	5.71	4.84	30.01	16.83
TC35	**1**	(untitled)	A	167	1900	41	1362	12	633	2.84	1.46	34.70	5.74
TC36	**1**	(untitled)		401	1800	60	245	164	-45	719.80	82.93	1890.53	722.83
TC37	**1**	(untitled)	J	45	1850	45	1418	3	2767	0.15	0.01	0.10	3.34
TC38	**1**	(untitled)		45	455	60	455	10	820	6.93	2.42	65.29	8.47
TC39	**2**	(untitled)		656	2263	60	2263	29	210	0.32	0.06	0.96	2.86
	3	(untitled)		770	2263	60	2263	34	165	0.41	0.09	1.51	2.81
TC40	**2**	(untitled)		701	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
	3	(untitled)		770	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
TC41	**1**	(untitled)	D	200	1850	8	200	100	-10	236.63	13.85	145.80	240.56
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)		1258	1300	60	1300	97	-7	27.71	9.69	41.68	43.75
48	**1**	(untitled)		964	1965	60	1965	49	83	0.88	0.24	2.46	7.50
49	**1**	(untitled)		1284	1900	60	1077	119	-25	307.03	123.75	2711.42	310.18
	2	(untitled)		1087	1900	60	878	124	-27	365.18	121.11	2653.53	368.33

	50	**1**	(untitled)		1313	1900	60	1900	69	30	2.11	0.77	9.18	7.89
	51	**1**	(untitled)		904	1900	60	1900	48	89	0.86	0.22	3.31	5.35

Data Entry - Stage Start and End

Resultant Stage

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
769-1	**1**	✓	1	A,C	53	21	28	1	7
	2	✓	2	B	32	48	16	1	7
769-2	**1**	✓	4	D,E,H,I	40	1	21	1	1
	2	✓	5	F,G,J,K	15	25	10	1	7
770-1	**1**	✓	1	A,C	50	23	33	1	5
	2	✓	2	B	30	45	15	1	7
770-2	**1**	✓	4	D	44	27	43	1	7
	2	✓	5	E	32	37	5	1	5
770-3	**1**	✓	7	F,I,J	30	0	30	1	2
	2	✓	9	G,H	11	18	7	1	1
770-4	**1**	✓	11	L	50	32	42	1	7
	2	✓	12	M	37	43	6	1	6
771-1	**1**	✓	1	A,C	58	32	34	1	9
	2	✓	3	B	43	53	10	1	7
771-2	**1**	✓	5	D	42	13	31	1	7
	2	✓	6	E	18	37	19	1	7
TC777-1	**1**	✓	1	A,B,F	23	4	41	1	7
	2	✓	5	D,H,I	11	17	6	1	6
TC777-2	**1**	✓	1	J	55	40	45	1	7
	2	✓	2	K	45	50	5	1	5

Data Entry - Phase

Phase

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

770-3	F	F	7	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	4	300	0	0	Traffic
	I	I	5	300	0	0	Pedestrian
	J	J	5	300	0	0	Pedestrian
	K	K	10	300	0	0	Pedestrian
770-4	L	L	7	300	0	0	Traffic
	M	M	6	300	0	0	Pedestrian
771-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	9	300	0	0	Pedestrian
771-2	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
TC777-1	A	A	7	300	0	1	Traffic
	B	B	7	300	0	2	Traffic
	C	C	7	300	0	0	Traffic
	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	5	300	0	0	Pedestrian
	G	G	7	300	0	0	Pedestrian
	H	H	6	300	0	0	Pedestrian
	I	I	5	300	0	0	Pedestrian
TC777-2	J	J	7	300	0	0	Traffic
	K	K	5	300	0	0	Pedestrian

Data Entry - Traffic Stream

Traffic Stream

Arm	Traffic Stream	Auto length	Length (m)	Traffic model	Max queue storage (PCU)	Traffic type	Has Saturation Flow	Is signal controlled	Is give way	Saturation flow source	Saturation flow (PCU/hr)	Delay weighting multiplier (%)	Stop weighting multiplier (%)
A	1	✓	74.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	76.70	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	78.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	4	✓	80.14	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ac	1	✓	95.94	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	92.39	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	87.91	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
Acf	1	✓	69.45	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	70.32	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Af	1	✓	53.54	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	53.19	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	53.01	CTM	0.00	Normal	✓			Directly entered	2050	100	100
B	1	✓	94.67	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100

	2	✓	97.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	99.69	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	4	✓	102.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Bc	**1**	✓	132.53	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	2	✓	131.15	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	3	✓	129.77	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
Bcf	**1**	✓	62.79	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	62.68	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.56	CTM	0.00	Normal	✓			Directly entered	2263	100	500
	4	✓	62.47	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Bf	**1**	✓	227.81	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
	2	✓	228.44	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
C	**1**	✓	121.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	122.73	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Cf	**1**	✓	144.60	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
	2	✓	145.86	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
D	**1**		55.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2		55.00	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
	3	✓	52.87	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	100
Dc	**1**	✓	50.38	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	3	✓	46.49	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	4	✓	44.54	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
Dcf	**1**	✓	66.24	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	66.21	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	68.90	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	67.02	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	67.20	CTM	0.00	Normal	✓			Directly entered	2100	100	500
Df	**1**		200.00	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
	2		200.00	NetworkDefault	0.00	Normal	✓			Directly entered	2250	100	100
Dxp	**1**	✓	46.33	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100

	2	✓	48.35	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	✓	45.93	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	✓	46.93	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	50.37	CTM	0.00	Normal	✓			Directly entered	2300	100	100
Ef	**1**	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	**1**	✓	51.83	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.71	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	**1**	✓	85.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	87.25	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
Fc	**1**	✓	183.42	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	2	✓	181.66	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	180.50	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	100
	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**	✓	229.56	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	229.83	CTM	0.00	Normal	✓			Directly entered	2263	100	100
xB	**1**	✓	77.15	NetworkDefault	0.00	Normal						100	100
xC	**1**	✓	115.60	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
	2	✓	115.98	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
xD	**1**	✓	121.71	NetworkDefault	0.00	Normal						100	100
	2	✓	122.74	NetworkDefault	0.00	Normal						100	100

xE	**1**	✓	173.89	NetworkDefault	0.00	Normal						100	100
	2	✓	173.83	NetworkDefault	0.00	Normal						100	100
xF	**1**	✓	162.53	NetworkDefault	0.00	Normal						100	100
Cc1	**1**	✓	96.01	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E1	**1**		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
Gf1	**1**	✓	49.26	NetworkDefault	0.00	Normal			✓			100	100
Cc2	**2**	✓	92.40	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	3	✓	89.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	4	✓	89.19	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	5	✓	88.82	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
E2	**3**	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
TC5	**2**	✓	23.03	CTM	0.00	Normal	✓	✓		Sum of lanes	2263	100	100
	3	✓	23.02	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	4	✓	24.43	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
TC9	**1**	✓	91.71	CTM	0.00	Normal	✓	✓		Directly entered	1925	100	100
	2	✓	92.21	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

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	33	0.00	0.00
		2	0	0	33	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	34	0.00	0.00
		2	0	0	34	0.00	0.00
	5	1	0	0	34	0.00	0.00
		2	0	0	34	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	34	0.00	0.00
		2	0	0	34	0.00	0.00
	8	1	0	0	28	0.00	0.00
		2	0	0	28	0.00	0.00
	9	1	0	0	13	0.00	0.00
		2	0	0	13	0.00	0.00
	10	1	0	0	18	0.00	0.00
		2	0	0	18	0.00	0.00
	11	1	0	0	27	0.00	0.00
		2	0	0	27	0.00	0.00
	12	1	0	0	27	0.00	0.00
		2	0	0	27	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	175.7	140.2	114.9	140.2	123.3	143.2	167.0	0.0
	B28	150.2	0.0	95.2	112.4	114.1	138.8	147.2	0.0
	C28	149.9	164.7	0.0	78.1	87.7	122.9	131.7	0.0
	D28	134.4	231.4	196.8	0.0	211.7	99.3	106.8	0.0
	E28	111.7	137.8	179.9	63.3	193.7	97.7	105.0	0.0
	F28	1171.8	1193.6	1166.6	1095.9	1093.8	0.0	738.9	0.0
	G28	582.6	600.2	752.0	536.5	555.4	571.3	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Normal journey dist (m)	Bus journeydist (m)	Tram journey dist (m)	Pedestrian journey dist (m)	Calculated Total Flow (PCU/hr)	Avg journey time (s)	Avg journey dist (m)
23	C28	A28	362	149.91	835.00	0.00	0.00	0.00	362	149.91	835.00
24	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
25	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
32	C28	E28	91	87.70	526.66	0.00	0.00	0.00	91	87.70	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	322	112.25	693.38	0.00	0.00	0.00	322	112.25	693.38
42	E28	C28	1	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00
43	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
44	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
45	E28	E28	1	193.73	1219.18	0.00	0.00	0.00	1	193.73	1219.18
49	C28	D28	294	78.10	514.00	0.00	0.00	0.00	294	78.10	514.00
50	E28	D28	100	63.29	370.08	0.00	0.00	0.00	100	63.29	370.08
68	E28	G28	132	105.20	737.54	0.00	0.00	0.00	132	105.20	737.54
86	F28	D28	100	1095.91	870.99	0.00	0.00	0.00	100	1095.91	870.99
91	C28	F28	19	122.87	787.50	0.00	0.00	0.00	19	122.87	787.50
92	E28	F28	8	97.66	644.68	0.00	0.00	0.00	8	97.66	644.68
96	A28	C28	11	115.98	699.82	0.00	0.00	0.00	11	115.98	699.82
97	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
98	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
99	C28	B28	41	167.06	753.91	0.00	0.00	0.00	41	167.06	753.91
100	E28	B28	262	125.93	623.35	0.00	0.00	0.00	262	125.93	623.35
101	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
102	A28	C28	261	115.73	697.30	0.00	0.00	0.00	261	115.73	697.30
103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
104	C28	G28	382	130.89	880.36	0.00	0.00	0.00	382	130.89	880.36
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
106	G28	C28	566	818.34	770.46	0.00	0.00	0.00	566	818.34	770.46
107	A28	B28	51	140.22	716.24	0.00	0.00	0.00	51	140.22	716.24
108	B28	G28	169	147.02	1057.83	0.00	0.00	0.00	169	147.02	1057.83
109	C28	G28	110	134.54	873.63	0.00	0.00	0.00	110	134.54	873.63
110	E28	G28	14	103.09	731.16	0.00	0.00	0.00	14	103.09	731.16
111	B28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
112	F28	G28	73	738.86	149.60	0.00	0.00	0.00	73	738.86	149.60
113	F28	A28	118	1171.79	347.68	0.00	0.00	0.00	118	1171.79	347.68
114	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

115	B28	C28	4	93.99	558.16	0.00	0.00	0.00	4	93.99	558.16
116	F28	C28	10	1291.36	731.85	0.00	0.00	0.00	10	1291.36	731.85
117	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
118	F28	C28	35	1077.52	731.73	0.00	0.00	0.00	35	1077.52	731.73
119	F28	E28	12	1095.93	882.69	0.00	0.00	0.00	12	1095.93	882.69
120	F28	E28	10	1091.11	885.91	0.00	0.00	0.00	10	1091.11	885.91
121	A28	A28	3	175.70	1161.69	0.00	0.00	0.00	3	175.70	1161.69
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
128	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
130	G28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
131	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
132	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
133	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
134	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
135	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
136	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
137	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
138	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
139	D28	E28	2	214.47	1229.50	0.00	0.00	0.00	2	214.47	1229.50
140	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
141	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
142	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
143	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
144	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
145	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
146	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
147	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
148	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
149	C28	B28	1	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00
150	E28	B28	289	148.58	625.89	0.00	0.00	0.00	289	148.58	625.89
151	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
152	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
153	F28	B28	27	1193.61	750.53	0.00	0.00	0.00	27	1193.61	750.53
154	E28	A28	112	110.05	694.55	0.00	0.00	0.00	112	110.05	694.55
156	C28	G28	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	B28	D28	45	112.36	700.04	0.00	0.00	0.00	45	112.36	700.04
159	B28	E28	115	111.99	714.96	0.00	0.00	0.00	115	111.99	714.96
160	B28	G28	43	147.55	1062.58	0.00	0.00	0.00	43	147.55	1062.58
161	B28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
162	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
163	B28	A28	17	150.17	1019.20	0.00	0.00	0.00	17	150.17	1019.20
164	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
165	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
166	B28	C28	85	95.27	555.14	0.00	0.00	0.00	85	95.27	555.14
167	B28	E28	338	115.14	709.11	0.00	0.00	0.00	338	115.14	709.11
168	G28	A28	729	582.60	385.78	0.00	0.00	0.00	729	582.60	385.78
169	G28	B28	18	597.67	788.63	0.00	0.00	0.00	18	597.67	788.63
170	G28	B28	286	600.34	789.01	0.00	0.00	0.00	286	600.34	789.01
171	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
172	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
173	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
174	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
175	G28	C28	164	515.33	770.81	0.00	0.00	0.00	164	515.33	770.81
176	G28	E28	5	531.76	921.76	0.00	0.00	0.00	5	531.76	921.76
177	G28	D28	129	536.52	910.07	0.00	0.00	0.00	129	536.52	910.07

178	G28	E28	198	527.61	924.99	0.00	0.00	0.00	198	527.61	924.99
179	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
180	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
181	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
182	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
183	B28	B28	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	117	112.97	699.63	0.00	0.00	0.00	117	112.97	699.63
187	A28	E28	203	126.06	850.58	0.00	0.00	0.00	203	126.06	850.58
188	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
189	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
192	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
193	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
194	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
195	D28	G28	46	106.81	744.89	0.00	0.00	0.00	46	106.81	744.89
196	D28	F28	54	99.28	652.03	0.00	0.00	0.00	54	99.28	652.03
197	D28	G28	111	106.78	740.27	0.00	0.00	0.00	111	106.78	740.27
198	D28	A28	5	134.38	704.26	0.00	0.00	0.00	5	134.38	704.26
199	D28	B28	344	231.55	1101.21	0.00	0.00	0.00	344	231.55	1101.21
200	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
201	D28	C28	49	204.75	1078.73	0.00	0.00	0.00	49	204.75	1078.73
204	D28	C28	208	194.59	1077.08	0.00	0.00	0.00	208	194.59	1077.08
205	D28	E28	12	211.79	1228.03	0.00	0.00	0.00	12	211.79	1228.03
206	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
207	D28	E28	1	208.48	1231.25	0.00	0.00	0.00	1	208.48	1231.25
208	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
209	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
210	A28	G28	362	168.39	1200.32	0.00	0.00	0.00	362	168.39	1200.32
211	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
212	A28	D28	12	140.24	842.02	0.00	0.00	0.00	12	140.24	842.02
213	A28	E28	208	120.68	856.94	0.00	0.00	0.00	208	120.68	856.94
214	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
215	G28	F28	25	571.31	1179.75	0.00	0.00	0.00	25	571.31	1179.75
216	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
217	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
218	A28	G28	31	150.71	1204.56	0.00	0.00	0.00	31	150.71	1204.56
219	A28	F28	54	143.18	1111.71	0.00	0.00	0.00	54	143.18	1111.71
220	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
221	F28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
222	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
223	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
224	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
225	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
226	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
227	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
228	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
229	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
230	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
231	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
232	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
233	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
234	C28	G28	4	131.45	875.74	0.00	0.00	0.00	4	131.45	875.74
235	E28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
236	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
237	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
243	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

244	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
245	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
246	E28	C28	81	181.81	1066.47	0.00	0.00	0.00	81	181.81	1066.47
247	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
248	D28	C28	72	197.93	1078.54	0.00	0.00	0.00	72	197.93	1078.54
249	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
250	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
251	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
252	F28	C28	16	1283.24	731.66	0.00	0.00	0.00	16	1283.24	731.66
253	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
254	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
255	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
257	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
258	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
260	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
263	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
264	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
265	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
266	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
267	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
268	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
269	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
270	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
271	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
272	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
275	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
276	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
278	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
279	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
280	C28	B28	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
287	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
288	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
289	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
290	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
291	D28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
292	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
293	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
294	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
295	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
296	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
297	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
298	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
299	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
300	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
301	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
302	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
303	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
304	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
305	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
306	G28	C28	200	758.61	770.46	0.00	0.00	0.00	200	758.61	770.46
307	G28	C28	25	752.30	770.27	0.00	0.00	0.00	25	752.30	770.27
308	G28	E28	26	769.91	921.22	0.00	0.00	0.00	26	769.91	921.22

309	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
310	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
311	B28	D28	114	112.36	698.78	0.00	0.00	0.00	114	112.36	698.78
312	B28	E28	1	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00
313	B28	G28	22	147.55	1061.32	0.00	0.00	0.00	22	147.55	1061.32
314	B28	F28	12	140.03	968.47	0.00	0.00	0.00	12	140.03	968.47
315	B28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
316	B28	H28	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	683 <	2050	19	0.00	100	-10	111.45	105.87	186.39	24.18 +	100	100	0.00	326.25
	2	(untitled)	6	771-2	E	271	2050	19	5.00	40	127	34.63	28.88	92.27	4.17	100	100	0.00	38.95
	3	(untitled)	6	771-2	E	683 <	2050	19	0.00	100	-10	112.92	107.04	184.51	24.18 +	100	100	0.00	328.99
	4	(untitled)	6	771-2	E	516	2050	19	4.00	76	19	35.81	29.80	78.58	6.55	100	100	0.00	73.73
Ac	**1**	(untitled)	6	771-2	D	821	2263	31	9.00	68	32	25.24	18.05	89.46	14.73	100	500	0.00	176.32
	2	(untitled)	6	771-2	D	344	2263	31	21.85	29	207	10.18	0.68	1.92	1.75	100	500	0.00	1.48
	3	(untitled)	6	771-2	D	426	2263	31	9.00	35	155	7.41	0.81	0.00	0.10	100	500	0.00	1.37
Acf	**1**	(untitled)	6			1165	2263	60	23.00	51	75	6.05	0.84	1.41	2.59	100	100	0.00	4.40
	2	(untitled)	6			426	2263	60	37.00	19	378	7.42	0.18	0.00	0.02	100	100	0.00	0.31
Af	**1**	(untitled)	6			955 <	2050	60	31.95	100	-10	76.38	69.95	127.77	22.77 +	100	100	0.00	278.73
	2	(untitled)	6			683 <	2050	60	40.00	100	-10	102.91	96.53	156.70	21.28 +	100	100	0.00	273.61
	3	(untitled)	6			516	2050	60	29.00	25	257	6.66	0.30	0.00	0.04	100	100	0.00	0.60
B	**1**	(untitled)	1	769-1	B	312	2050	16	0.00	54	68	28.86	21.76	80.87	4.21	100	100	0.00	34.88
	2	(untitled)	1	769-1	B	331	2150	16	0.16	55	64	29.12	21.83	80.92	4.47	100	100	0.00	37.10
	3	(untitled)	1	769-1	B	305	2100	16	0.17	52	74	28.85	21.37	80.36	4.09	100	100	0.00	33.58
	4	(untitled)	1	769-1	B	365	2050	16	0.00	63	43	36.23	23.94	90.12	5.49	100	100	0.00	38.59
Bc	**1**	(untitled)	1	769-1	A	615	2050	32	14.00	55	65	22.20	10.27	51.17	6.17	100	500	0.00	60.04

	2	(untitled)	1	769-1	A	887	2050	32	4.30	82	10	35.72	23.92	103.52	14.44	100	500	0.00	186.09
	3	(untitled)	1	769-1	A	738	2050	32	9.55	73	23	29.23	17.55	94.89	10.74	100	500	0.00	129.22
Bcf	**1**	(untitled)	1			1504	2263	60	17.00	66	35	5.88	1.57	0.00	0.66	100	100	0.00	9.33
	2	(untitled)	1			615	2263	60	34.00	27	231	5.44	0.30	0.00	0.05	100	100	0.00	0.72
	3	(untitled)	1			887	2263	60	17.00	39	130	6.52	0.51	0.00	0.13	100	500	0.00	1.79
	4	(untitled)	1			738	2263	60	33.00	33	176	6.20	0.39	0.00	0.08	100	100	0.00	1.12
Bf	**1**	(untitled)	1			643	1800	60	0.00	36	152	27.89	0.56	0.00	0.10	100	100	0.00	1.41
	2	(untitled)	1			670	1800	60	0.00	37	142	28.01	0.59	0.00	0.11	100	100	0.00	1.57
C	**1**	(untitled)	2	769-2	G	427	2100	16	0.00	72	25	41.48	26.95	96.92	6.96	100	100	0.00	50.57
	2	(untitled)	2	769-2	G	351	2200	16	0.00	56	60	36.84	22.12	87.70	5.14	100	100	0.00	34.48
	3	(untitled)	2	769-2	G	186	2050	16	0.00	32	181	33.35	18.43	77.41	2.40	100	100	0.00	15.33
Cf	**1**	(untitled)	2			575	1965	60	0.00	29	208	17.73	0.38	0.00	0.06	100	100	0.00	0.86
	2	(untitled)	2			389	1965	60	0.00	20	355	17.73	0.23	0.00	0.02	100	100	0.00	0.35
D	**1**	(untitled)	3	770-1	B	385	2050	15	0.00	70	28	31.69	27.57	92.77	6.01	100	100	0.00	53.33
	2	(untitled)	3	770-1	B	405	1850	15	0.00	82	10	40.59	36.46	105.35	7.24	100	100	0.00	71.94
	3	(untitled)	3	770-1	B	513	2250	15	0.00	86	5	41.15	37.18	105.11	9.14	100	100	0.00	92.54
Dc	**1**	(untitled)	3	770-1	A	588	2100	35	6.00	47	93	14.15	10.37	44.20	4.32	100	500	0.00	65.78
	2	(untitled)	3	770-1	A	827	2100	35	8.00	66	37	14.03	10.39	51.32	7.18	100	500	0.00	102.03
	3	(untitled)	3	770-1	A	182	2100	35	12.00	14	522	10.69	7.21	36.60	2.33	100	500	0.00	15.88
	4	(untitled)	3	770-1	A	551	2100	35	19.00	44	106	10.59	7.25	54.74	6.07	100	500	0.00	64.16
Dcf	**1**	(untitled)	3			1037	2050	60	13.00	51	78	5.87	0.90	0.00	0.26	100	100	0.00	3.67
	2	(untitled)	3			1255	2100	60	12.00	60	51	6.23	1.27	0.00	0.44	100	100	0.00	6.28
	3	(untitled)	3			827	2100	60	21.78	45	99	6.72	1.55	12.27	2.51	100	100	0.00	8.31
	4	(untitled)	3			182	2100	60	19.00	9	937	6.85	0.08	0.00	0.00	100	100	0.00	0.06
	5	(untitled)	3			551	2100	60	29.29	28	224	5.68	0.64	7.84	2.42	100	500	0.00	8.33
Df	**1**	(untitled)	3-2			790	1900	60	0.00	42	116	24.67	0.67	0.00	0.15	100	100	0.00	2.10
	2	(untitled)	3-2			513	2250	60	6.23	25	254	24.50	0.50	7.73	1.18	100	100	0.00	1.51
Dxp	**1**	(untitled)	3-2	770-2	D	1038	2050	43	2.00	69	30	6.74	3.27	9.13	1.60	100	100	0.00	16.42
	2	(untitled)	3-2	770-2	D	661	2050	43	9.00	44	105	4.61	0.98	1.91	0.21	100	100	0.00	2.97
Ec	**1**	(untitled)	4	770-3	F	630	2150	35	6.00	49	84	7.70	3.95	24.99	2.91	100	500	0.00	35.08
	2	(untitled)	4	770-3	F	587	2263	35	8.00	43	108	5.17	1.54	5.25	0.51	100	500	0.00	8.52

	3	(untitled)	4	770-3	F	641	2263	35	5.00	47	91	10.08	6.57	36.47	4.87	100	500	0.00	54.12
	4	(untitled)	4	770-3	F	382	2250	35	14.00	28	218	4.03	0.59	1.16	0.07	100	500	0.00	1.60
Ecf	**1**	(untitled)	4			679	2100	60	14.00	32	178	3.85	0.41	0.69	2.40	100	100	0.00	1.25
	2	(untitled)	4			1121	2100	60	16.00	53	69	4.46	0.98	0.00	0.31	100	100	0.00	4.33
	3	(untitled)	4			587	2263	60	20.00	26	247	3.80	0.28	0.00	0.05	100	100	0.00	0.65
	4	(untitled)	4			1064	2300	60	27.00	46	95	4.45	0.67	0.00	0.20	100	100	0.00	2.82
Ef	**1**	(untitled)	4			770	1900	60	0.00	41	122	15.95	0.64	0.00	0.14	100	100	0.00	1.96
	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	679	2050	42	10.00	46	95	6.25	2.36	17.28	4.85	100	100	0.00	10.09
	2	(untitled)	4-2	770-4	L	491	2050	42	15.00	33	169	4.64	0.61	0.00	0.08	100	100	0.00	1.19
F	**1**	(untitled)	5	771-1	B	211	2100	10	0.00	55	64	34.26	27.87	94.12	3.32	100	100	0.00	29.57
	2	(untitled)	5	771-1	B	349	2100	10	0.00	91	-1	66.82	60.39	140.89	8.70	100	100	0.00	98.91
	3	(untitled)	5	771-1	B	344	2100	10	0.00	89	1	63.28	56.74	136.29	8.24	100	100	0.00	92.03
Fc	**1**	(untitled)	5	771-1	A	727	2263	40	10.00	47	91	23.17	3.97	51.20	7.44	100	100	0.00	17.53
	2	(untitled)	5	771-1	A	767	2263	40	10.07	50	81	24.39	5.41	43.56	5.53	100	100	0.00	21.92
	3	(untitled)	5	771-1	A	786	2263	40	16.83	52	73	24.96	5.50	53.27	7.43	100	500	0.00	49.77
Ff	**1**	(untitled)	5			560	1900	60	0.00	29	205	33.48	0.40	0.00	0.06	100	100	0.00	0.87
	2	(untitled)	5			344	1900	60	0.00	18	397	33.26	0.21	0.00	0.02	100	100	0.00	0.28
G	**1**	(untitled)	2	769-2	F	289	2050	16	7.66	52	74	43.48	27.51	63.11	5.35	100	100	0.00	34.47
	2	(untitled)	2	769-2	F	303	2050	16	6.66	54	66	22.22	10.83	40.84	4.97	100	500	0.00	32.81
Gf	**1**	(untitled)	4			289	2050	60	45.00	14	538	3.18	0.14	0.00	0.01	100	100	0.00	0.16
	2	(untitled)	4			262	2050	60	45.00	13	604	3.13	0.13	0.00	0.01	100	100	0.00	0.13
xA	**1**	(untitled)	10			823	2263	60	19.51	40	125	19.71	2.49	32.81	7.12	100	100	0.00	16.75
	2	(untitled)	10			770	2263	60	20.74	38	135	19.57	2.33	28.05	4.91	100	100	0.00	14.02
xB	**1**	(untitled)				1504	Unrestricted	60	3.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	**1**	(untitled)				665	1900	60	31.49	57	57	14.88	6.21	66.93	9.67	100	100	0.00	30.56
	2	(untitled)				594	1900	60	37.97	52	73	14.52	5.82	67.42	7.25	100	100	0.00	26.49
xD	**1**	(untitled)				1038	Unrestricted	60	11.00	0	Unrestricted	9.13	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				661	Unrestricted	60	20.00	0	Unrestricted	9.21	0.00	0.00	0.00	100	100	0.00	0.00
xE	**1**	(untitled)				679	Unrestricted	60	7.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				491	Unrestricted	60	16.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	**1**	(untitled)				730	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	666	2050	29	9.80	67	35	22.39	15.82	75.47	10.92	100	100	0.00	61.31
E1	**1**	(untitled)	4	770-3	G	366	2050	14	0.00	71	26	35.15	29.15	95.64	5.93	100	100	0.00	53.32
	2	(untitled)	4	770-3	G	404	2200	14	0.00	73	23	35.54	29.54	96.42	6.54	100	100	0.00	59.58
Gf1	**1**	(untitled)	4			41	689	60	45.00	6	1412	3.86	0.17	0.00	0.00	100	100	0.00	0.03
Cc2	**2**	(untitled)	2	769-2	D	952	2150	30	1.88	88	2	32.52	25.75	81.64	13.75	100	500	0.00	234.14
	3	(untitled)	2	769-2	D	658	2050	30	4.00	62	45	16.31	9.38	45.72	9.88	100	500	0.00	72.71
	4	(untitled)	2	769-2	D	913	2150	30	0.51	84	8	30.13	23.45	98.52	14.72	100	500	0.00	238.17
	5	(untitled)	2	769-2	D	365	2050	30	14.00	34	161	8.89	0.89	0.00	0.09	100	500	0.00	1.28
E2	**3**	(untitled)	4	770-3	H	289	2150	14	0.33	55	64	27.80	23.80	85.12	4.11	100	100	0.00	35.03
	4	(untitled)	4	770-3	H	262	2050	14	0.00	51	76	27.09	23.01	84.32	3.69	100	100	0.00	30.87
TC5	**2**	(untitled)	TC771-6	TC777-1	A	656	2263	41	10.00	40	123	5.29	2.52	27.71	3.03	100	100	0.00	8.81
	3	(untitled)	TC771-6	TC777-1	A	770	2263	41	10.00	47	90	5.72	2.96	24.24	3.11	100	100	0.00	11.33
	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	866 <	1925	42	17.12	97	-7	73.38	62.37	144.74	22.03 +	100	100	0.00	228.87
	2	(untitled)	TC771-6	TC777-1	B	667 <	1966	42	24.63	100	-10	134.04	1229.8	2315.55	28.37 +	100	100	0.00	343.15
	3	(untitled)	TC771-6	TC777-1	B	421	1947	42	23.00	29	212	16.83	5.71	65.63	4.84	100	100	0.00	12.93
TC35	**1**	(untitled)	TC771-6	TC777-1	A	167	1900	41	21.00	12	633	5.74	2.84	27.98	1.46	100	100	0.00	2.46
TC36	**1**	(untitled)	TC771-6			401 <	1800	60	51.85	164	-45	722.83	719.80	424.61	82.93 +	100	100	0.00	1151.55
TC37	**1**	(untitled)	TC771-6	TC777-2	J	45	1850	45	31.00	3	2767	3.34	0.15	1.00	0.01	100	100	0.00	0.04
TC38	**1**	(untitled)	TC771-6			45	455	60	33.00	10	820	8.47	6.93	50.41	2.42	100	100	0.00	2.00
TC39	**2**	(untitled)	TC771-6			656	2263	60	27.00	29	210	2.86	0.32	0.00	0.06	100	100	0.00	0.84
	3	(untitled)	TC771-6			770	2263	60	27.00	34	165	2.81	0.41	0.00	0.09	100	100	0.00	1.25
TC40	**2**	(untitled)	TC771-6			701	Unrestricted	60	11.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC771-6			770	Unrestricted	60	18.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
TC41	**1**	(untitled)	TC771-6	TC777-1	D	200 <	1850	8	2.51	100	-10	240.56	2366.3	255.92	13.85 +	100	100	0.00	204.53
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			1258	1300	60	1.00	97	-7	43.75	27.71	0.00	9.69	100	100	0.00	137.55
48	**1**	(untitled)	2			964	1965	60	0.00	49	83	7.50	0.88	0.00	0.24	100	100	0.00	3.35
49	**1**	(untitled)	TC771-6			1284 <	1900	60	26.00	119	-25	310.18	307.03	315.78	123.75 +	100	100	0.00	1597.65
	2	(untitled)	TC771-6			1087 <	1900	60	32.29	124	-27	368.33	365.18	332.50	121.11 +	100	100	0.00	1602.34
50	**1**	(untitled)	1			1313	1900	60	0.00	69	30	7.89	2.11	0.00	0.77	100	100	0.00	10.92
51	**1**	(untitled)	4-2			904	1900	60	0.00	48	89	5.35	0.86	0.00	0.22	100	100	0.00	3.06

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	33	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3	770-1	C	0	11000	33	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	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	J	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	**1**	(untitled)	4	770-3	I	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	I	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
6	**1**	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
7	**1**	(untitled)	5	771-1	C	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
8	**1**	(untitled)	1	769-1	C	0	11000	28	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	1	769-1	C	0	11000	28	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
9	**1**	(untitled)	2	769-2	J	0	11000	13	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	J	0	11000	13	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

10	**1**	(untitled)	2	769-2	K	0	11000	18	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	K	0	11000	18	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	**1**	(untitled)		769-2	H	0	11000	27	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	27	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	**1**	(untitled)	2	769-2	I	0	11000	27	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	27	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	6213.64	713.36	8.71	552.94	7851.75	1503.12	0.00	9354.88
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	6213.64	713.36	8.71	552.94	7851.75	1503.12	0.00	9354.88

- *< = adjusted flow warning (upstream links/traffic streams are over-saturated)*
- ** = Traffic Stream - Normal, Bus or Tram Stop or Delay weighting has been set to a value other than 100%*
- *^ = Traffic Stream - Normal, Bus or Tram Stop or Delay Path weighting has been set to a value other than 100%*
- *+ = average link/traffic stream excess queue is greater than 0*
- ***P.I. = PERFORMANCE INDEX***

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 DM_2032+Com+CP+Dev_03.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\DM
Report generation date: 24/01/2021 11:46:36

Summary of network performance

	Set ID	Cycle time (s)	PI (£ per hr)	Total delay (PCU-hr/hr)	Highest DOS	Number oversaturated
	AM Base 2032 + Com Dev + CP + Dev - AM 2032 + Com Dev + CP + Dev					
Network	A15 D15	120	24548.07	1014.83	172% (TS 50/1)	13 (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

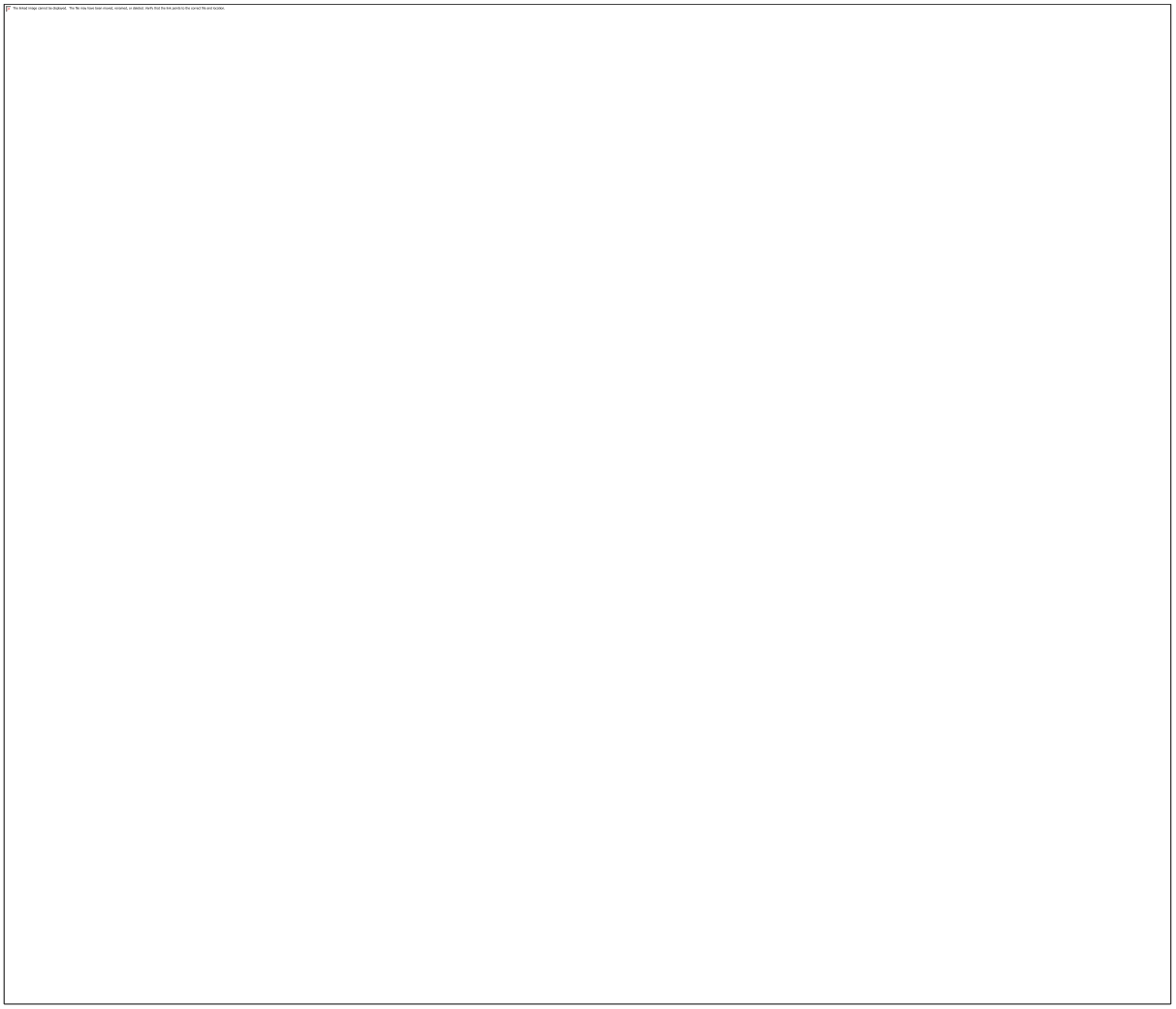
Sorting

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



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

Summary

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Traffic Stream Data	Arm Bf - Traffic Stream 1	Arm Bf - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm Bf - Traffic Stream 2	Arm Bf - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm Ff - Traffic Stream 1	Arm Ff - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm Ff - Traffic Stream 2	Arm Ff - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm xA - Traffic Stream 1	Arm xA - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm xA - Traffic Stream 2	Arm xA - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm TC38 - Traffic Stream 1	Traffic Stream 1: CTM uses a whole number of cells. CTM is using the length adjusted by 30%.

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

Run Summary

Analysis set used	Run start time	Run finish time	Run duration (s)	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Item with worst overall PRC	Network within capacity
15	24/01/2021 11:45:41	24/01/2021 11:45:53	12.22	07:30	120	24548.07	1014.83	171.71	50/1	13	9	TC42/1	50/1	TC42/1	

Analysis Set Details

Name	Use Simulation	Description	Use specific Demand Set(s)	Specific Demand Set(s)	Optimise specific Demand Set(s)	Include in report	Locked
AM Base 2032 + Com Dev + CP + Dev			✓	D15		✓	

Demand Set Details

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

Network Options

Network timings

Network cycle time (s)	Minimum possible cycle time (s)	Absolute minimum possible cycle time (s)	Restrict to SCOOT cycle times	Time segment length (min)	Number of time segments	Modelled time period (min)
120	72	64		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

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto length	Length (m)	Has Saturation Flow	Saturation flow source	Saturation flow (PCU/hr)	Auto-calculate cell saturation flow	Cell saturation flow (PCU/hr)	Is signal controlled	Is give way	Traffic type	Allow Nearside Turn On Red
A	1	(untitled)	M62E	✓	74.35	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.70	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.42	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.14	✓	Directly entered	2050		2050	✓		Normal	
Ac	1	(untitled)	M62E	✓	95.94	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Wake	✓	92.39	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.91	✓	Directly entered	2263		2263	✓		Normal	
Acf	1	(untitled)		✓	69.45	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	70.32	✓	Directly entered	2263		2263			Normal	
Af	1	(untitled)	M62E/Wake	✓	53.54	✓	Directly entered	2050		2050			Normal	
	2	(untitled)	Dews	✓	53.19	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	53.01	✓	Directly entered	2050		2050			Normal	
B	1	(untitled)	Wake/Dews	✓	94.67	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Brad	✓	97.18	✓	Directly entered	2150		2150	✓		Normal	
	3	(untitled)	Leeds	✓	99.69	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)		✓	102.42	✓	Directly entered	2050		2050	✓		Normal	
Bc	1	(untitled)	Wake	✓	132.53	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Dews	✓	131.15	✓	Directly entered	2050		2263	✓		Normal	
	3	(untitled)	Brad/M62W	✓	129.77	✓	Directly entered	2050		2050	✓		Normal	
Bcf	1	(untitled)		✓	62.79	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	62.68	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.56	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.47	✓	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	
Dc	**1**	(untitled)	Brad	✓	50.38	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.43	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	46.49	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	44.54	✓	Directly entered	2100		2100	✓		Normal	
Dcf	**1**	(untitled)		✓	66.24	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	66.21	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	68.90	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	67.02	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	67.20	✓	Directly entered	2100		2100			Normal	
Df	**1**	(untitled)			200.00	✓	Sum of lanes	1900					Normal	
	2	(untitled)			200.00	✓	Directly entered	2250					Normal	
Dxp	**1**	(untitled)		✓	46.33	✓	Directly entered	2050			✓		Normal	
	2	(untitled)		✓	48.35	✓	Directly entered	2050			✓		Normal	
Ec	**1**	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal	
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)	M62E	✓	45.93	✓	Directly entered	2250		2250	✓		Normal	
Ecf	**1**	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal	
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	46.93	✓	Directly entered	2263		2263			Normal	
	4	(untitled)		✓	50.37	✓	Directly entered	2300		2300			Normal	
Ef	**1**	(untitled)		✓	127.54	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal	
Exp	**1**	(untitled)		✓	51.83	✓	Directly entered	2050		2100	✓		Normal	
	2	(untitled)		✓	53.71	✓	Directly entered	2050		2100	✓		Normal	
F	**1**	(untitled)	Leeds	✓	85.13	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.25	✓	Directly entered	2100		2100	✓		Normal	

Fc	**1**	(untitled)	Leeds	✓	183.42	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Leeds	✓	181.66	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	M62E/Dews	✓	180.50	✓	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)		✓	229.56	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	229.83	✓	Directly entered	2263		2263			Normal	
xB	**1**	(untitled)		✓	77.15								Normal	
xC	**1**	(untitled)		✓	115.60	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	115.98	✓	Sum of lanes	1900		1900			Normal	
xD	**1**	(untitled)		✓	121.71								Normal	
	2	(untitled)		✓	122.74								Normal	
xE	**1**	(untitled)		✓	173.89								Normal	
	2	(untitled)		✓	173.83								Normal	
xF	**1**	(untitled)		✓	162.53								Normal	
Cc1	**1**	(untitled)	Wake	✓	96.01	✓	Directly entered	2050		2050	✓		Normal	
E1	**1**	(untitled)	M62W/Leeds		80.00	✓	Directly entered	2050		1900	✓		Normal	
	2	(untitled)	Leeds/M62E		80.00	✓	Directly entered	2200		2100	✓		Normal	
Gf1	**1**	(untitled)		✓	49.26							✓	Normal	
Cc2	**2**	(untitled)	Dews	✓	92.40	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	89.42	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	89.19	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	88.82	✓	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	

Lanes

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

Af	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
B	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
Bc	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
	3	**1**	(untitled)											
Bcf	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
	3	**1**	(untitled)											
	4	**1**	(untitled)											
Bf	**1**	**1**	(untitled)											1800
	2	**1**	(untitled)											1800
C	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Cf	**1**	**2**	(untitled)											1965
	2	**1**	(untitled)											1965
D	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Dc	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
Dcf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											

	5	**5**	(untitled)											
Df	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											
Dxp	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
Ec	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
	3	**1**	(untitled)											
	4	**1**	(untitled)											
Ecf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
Ef	**1**	**1**	(untitled)											
	2	**2**	(untitled)											1900
Exp	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
F	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Fc	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Ff	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											1900
G	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
Gf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xA	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xB	**1**	**1**	(untitled)											

xC	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											1900
xD	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xE	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xF	**1**	**1**	(untitled)											
Cc1	**1**	**1**	(untitled)											
E1	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
Gf1	**1**	**1**	(untitled)											
Cc2	**2**	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
	5	**5**	(untitled)											
E2	**3**	**3**	(untitled)											
	4	**4**	(untitled)											
TC5	**2**	**1**	(untitled)		✓	N/A	Clearly Good	0	3.50	✓	0	99999.00		2263
	3	**1**	(untitled)											
	4	**1**	(untitled)											1800
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

Modelling

Arm	Traffic Stream	Traffic model	Stop weighting multiplier (%)	Delay weighting multiplier (%)	Assignment Cost Weighting (%)	Exclude from results calculation	Max queue storage (PCU)	Has queue limit	Queue limit (PCU)	Excess queue penalty (£)	Has degree of saturation limit	Degree of saturation limit (%)	Excess degree of saturation penalty (£)	Low degree of saturation penalty (£)
A	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Ac	**1**	CTM	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	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Bc	**1**	CTM	500	100	100		0.00	✓	22.50	9999.00				
	2	CTM	500	100	100		0.00	✓	22.50	9999.00				
	3	CTM	500	100	100		0.00	✓	22.50	9999.00				
Bcf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Bf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
C	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Cf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							

D	**1**	CTM	0	20	100		0.00							
	2	CTM	0	20	100		0.00							
	3	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							
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							
Ef	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Exp	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
F	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Fc	**1**	CTM	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	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
Gf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xA	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xB	**1**	NetworkDefault	100	100	100		0.00							

xC	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
xD	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xE	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
xF	**1**	NetworkDefault	100	100	100		0.00							
Cc1	**1**	CTM	100	100	100		0.00							
E1	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
Gf1	**1**	NetworkDefault	100	100	100		0.00							
Cc2	**2**	CTM	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				
E2	**3**	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
TC 5	**2**	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
TC 9	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
TC 35	**1**	CTM	100	100	100		0.00							
TC 36	**1**	NetworkDefault	100	100	100		0.00							
TC 37	**1**	CTM	100	100	100		0.00							
TC 38	**1**	CTM	100	100	100		0.00							
TC 39	**2**	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
TC 40	**2**	PDM	100	100	100		0.00							
	3	PDM	100	100	100		0.00							
TC 41	**1**	CTM	100	100	100		0.00							
TC 42	**1**	NetworkDefault	100	100	100		0.00							
TC 43	**1**	NetworkDefault	100	100	100		0.00							
47	**1**	CTM	100	100	100		0.00							
48	**1**	NetworkDefault	100	100	100		0.00							
49	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
50	**1**	NetworkDefault	100	100	100		0.00							
51	**1**	NetworkDefault	100	100	100		0.00							

Modelling - Advanced

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

Normal traffic - Modelling

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

Normal traffic - Advanced

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

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)
A	1	431	431
	2	154	154
	3	590	590
	4	299	299
Ac	1	1220	1220
	2	234	234
	3	403	403
Acf	1	1454	1454
	2	403	403
Af	1	585	585
	2	590	590
	3	299	299
B	1	471	471
	2	499	499
	3	529	529
	4	518	518
Bc	1	388	388
	2	765	765
	3	527	527
Bcf	1	1651	1651
	2	388	388
	3	765	765
	4	527	527
Bf	1	970	970
	2	1047	1047
C	1	534	534
	2	555	555
	3	563	563
Cf	1	886	886
	2	767	767
D	1	548	548
	2	999	999
	3	905	905
Dc	1	992	992
	2	900	900
	3	646	646
	4	1082	1082
Dcf	1	1082	1082
	2	1197	1197
	3	900	900

	4	646	646
	5	1082	1082
Df	**1**	1547	1547
	2	905	905
Dxp	**1**	1082	1082
	2	205	205
Ec	**1**	854	854
	2	1578	1578
	3	1339	1339
	4	670	670
Ecf	**1**	1174	1174
	2	1266	1266
	3	1578	1578
	4	2054	2054
Ef	**1**	935	935
	2	521	521
Exp	**1**	1174	1174
	2	412	412
F	**1**	360	360
	2	237	237
	3	319	319
Fc	**1**	1618	1618
	2	1677	1677
	3	1169	1169
Ff	**1**	597	597
	2	319	319
G	**1**	276	276
	2	290	290
Gf	**1**	273	273
	2	248	248
xA	**1**	1685	1685
	2	1838	1838
xB	**1**	1651	1651
xC	**1**	531	531
	2	478	478
xD	**1**	1082	1082
	2	205	205
xE	**1**	1174	1174
	2	412	412
xF	**1**	912	912
Cc1	**1**	443	443
E1	**1**	436	436
	2	499	499
Gf1	**1**	45	45
Cc2	**2**	976	976
	3	797	797
	4	963	963
	5	518	518
E2	**3**	273	273
	4	248	248
TC5	**2**	1257	1257
	3	1838	1838
	4	0	0
TC9	**1**	505	505
	2	555	555

	3	248	248
TC35	**1**	428	428
TC36	**1**	201	201
TC37	**1**	35	35
TC38	**1**	35	35
TC39	**2**	1257	1257
	3	1838	1838
TC40	**2**	1292	1292
	3	1838	1838
TC41	**1**	166	166
TC42	**1**	0	0
TC43	**1**	0	0
47	**1**	1009	1009
48	**1**	1653	1653
49	**1**	729	729
	2	579	579
50	**1**	2017	2017
51	**1**	916	916

Signals

Arm	Traffic Stream	Controller stream	Phase	Second phase enabled
A	**1**	771-2	E	
	2	771-2	E	
	3	771-2	E	
	4	771-2	E	
Ac	**1**	771-2	D	
	2	771-2	D	
	3	771-2	D	
B	**1**	769-1	B	
	2	769-1	B	
	3	769-1	B	
	4	769-1	B	
Bc	**1**	769-1	A	
	2	769-1	A	
	3	769-1	A	
C	**1**	769-2	G	
	2	769-2	G	
	3	769-2	G	
D	**1**	770-1	B	
	2	770-1	B	
	3	770-1	B	
Dc	**1**	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
Dxp	**1**	770-2	D	
	2	770-2	D	
Ec	**1**	770-3	F	
	2	770-3	F	
	3	770-3	F	
	4	770-3	F	
Exp	**1**	770-4	L	
	2	770-4	L	
F	**1**	771-1	B	
	2	771-1	B	

	3	771-1	B	
Fc	**1**	771-1	A	
	2	771-1	A	
	3	771-1	A	
G	**1**	769-2	F	
	2	769-2	F	
Cc1	**1**	769-2	E	
E1	**1**	770-3	G	
	2	770-3	G	
Cc2	**2**	769-2	D	
	3	769-2	D	
	4	769-2	D	
	5	769-2	D	
E2	**3**	770-3	H	
	4	770-3	H	
TC5	**2**	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	**1**	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	**1**	TC777-1	A	
TC37	**1**	TC777-2	J	
TC41	**1**	TC777-1	D	
TC42	**1**	TC777-1	E	

Entry Sources

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

Sources

Arm	Traffic Stream	Source	Source traffic stream	Destination traffic stream	Cruise time for Normal Traffic (s)	Cruise speed for Normal Traffic (kph)	Auto turning radius	Traffic turn style	Turning radius (m)
A	**1**	**1**	Af/1	A/1	5.58	48.00	✓	Straight	Straight Movement
	2	**1**	Af/1	A/2	5.75	48.00	✓	Straight	Straight Movement
	3	**1**	Af/2	A/3	5.88	48.00	✓	Straight	Straight Movement
	4	**1**	Af/3	A/4	6.01	48.00	✓	Straight	Straight Movement
Ac	**1**	**1**	Acf/1	Ac/1	7.20	48.00	✓	Offside	48.59
	2	**1**	Acf/1	Ac/2	9.50	35.00	✓	Offside	46.08
	3	**1**	Acf/2	Ac/3	6.59	48.00	✓	Offside	42.76
Acf	**1**	**1**	F/2	Acf/1	5.21	48.00	✓	Straight	Straight Movement

	2	**1**	F/3	Acf/2	7.23	35.00	✓	Straight	Straight Movement
Af	**1**	**1**	TC42/1	Af/1	6.42	30.00	✓	Nearside	10.60
	2	**1**	TC42/1	Af/2	6.38	30.00	✓	Nearside	10.60
	3	**1**	TC42/1	Af/3	6.36	30.00	✓	Nearside	10.60
B	**1**	**1**	Bf/1	B/1	7.10	48.00	✓	Straight	Straight Movement
	2	**1**	Bf/1	B/2	7.29	48.00	✓	Straight	Straight Movement
	3	**1**	Bf/2	B/3	7.48	48.00	✓	Straight	Straight Movement
	4	**1**	Bf/2	B/4	12.29	30.00	✓	Straight	Straight Movement
Bc	**1**	**1**	Bcf/2	Bc/1	11.93	40.00	✓	Offside	50.93
	2	**1**	Bcf/3	Bc/2	11.80	40.00	✓	Offside	47.61
	3	**1**	Bcf/4	Bc/3	11.68	40.00	✓	Offside	44.30
Bcf	**1**	**1**	A/1	Bcf/1	4.71	48.00	✓	Nearside	68.54
	2	**1**	A/2	Bcf/2	6.64	34.00	✓	Nearside	71.86
	3	**1**	A/3	Bcf/3	6.62	34.00	✓	Nearside	75.17
	4	**1**	A/4	Bcf/4	6.61	34.00	✓	Nearside	78.48
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
Dc	**1**	**1**	Dcf/2	Dc/1	3.78	48.00	✓	Offside	55.36
	2	**1**	Dcf/3	Dc/2	3.63	48.00	✓	Offside	52.05
	3	**1**	Dcf/4	Dc/3	3.49	48.00	✓	Offside	48.73
	4	**1**	Dcf/5	Dc/4	3.34	48.00	✓	Offside	45.42
Dcf	**1**	**1**	Cc2/2	Dcf/1	4.97	48.00	✓	Straight	Straight Movement
	2	**1**	Cc2/4	Dcf/2	4.97	48.00	✓	Straight	Straight Movement
	3	**1**	Cc2/3	Dcf/3	5.17	48.00	✓	Straight	Straight Movement
	4	**1**	C/2	Dcf/4	5.03	48.00	✓	Nearside	59.37
	5	**1**	Cc2/5	Dcf/5	5.04	48.00	✓	Straight	Straight Movement
Dxp	**1**	**1**	Dcf/1	Dxp/1	3.48	48.00	✓	Nearside	79.47
	2	**1**	Dcf/2	Dxp/2	3.63	48.00	✓	Nearside	82.78
Ec	**1**	**1**	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42
	2	**1**	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	**1**	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	**1**	Ecf/4	Ec/4	3.44	48.00	✓	Offside	67.06
Ecf	**1**	**1**	Dc/1	Ecf/1	3.45	48.00	✓	Offside	76.11

	2	**1**	Dc/2	Ecf/2	3.48	48.00	✓	Offside	72.80
	3	**1**	Dc/3	Ecf/3	3.52	48.00	✓	Offside	69.49
	4	**1**	Dc/4	Ecf/4	3.78	48.00	✓	Offside	66.17
Exp	**1**	**1**	Ecf/1	Exp/1	3.89	48.00	✓	Nearside	52.96
	2	**1**	Ecf/2	Exp/2	4.03	48.00	✓	Nearside	56.27
F	**1**	**1**	Ff/1	F/1	6.38	48.00	✓	Straight	Straight Movement
	2	**1**	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement
	3	**1**	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	**1**	**1**	Ec/2	Fc/1	18.87	35.00	✓	Straight	Straight Movement
	2	**1**	Ec/3	Fc/2	18.69	35.00	✓	Straight	Straight Movement
	3	**1**	Ec/4	Fc/3	18.57	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	17.24	48.00	✓	Straight	Straight Movement
xB	**1**	**1**	Bcf/1	xB/1	5.79	48.00	✓	Nearside	59.55
xC	**1**	**1**	G/1	xC/1	8.67	48.00	✓	Straight	Straight Movement
	2	**1**	G/2	xC/2	8.70	48.00	✓	Straight	Straight Movement
xD	**1**	**1**	Dxp/1	xD/1	9.13	48.00	✓	Nearside	30.26
	2	**1**	Dxp/2	xD/2	9.21	48.00	✓	Nearside	33.58
xE	**1**	**1**	Exp/1	xE/1	13.04	48.00	✓	Straight	Straight Movement
	2	**1**	Exp/2	xE/2	13.04	48.00	✓	Straight	Straight Movement
xF	**1**	**1**	Ec/1	xF/1	12.19	48.00	✓	Straight	Straight Movement
Cc1	**1**	**1**	B/1	Cc1/1	8.64	40.00	✓	Straight	Straight Movement
E1	**1**	**1**	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	**1**	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96
Gf1	**1**	**1**	Ecf/4	Gf1/1	3.69	48.00	✓	Offside	25.08
Cc2	**2**	**1**	B/1	Cc2/2	8.32	40.00	✓	Straight	Straight Movement
	3	**1**	Bc/3	Cc2/3	5.96	54.00	✓	Straight	Straight Movement
	4	**1**	Bc/3	Cc2/4	5.95	54.00	✓	Straight	Straight Movement
	5	**1**	Bc/3	Cc2/5	5.92	54.00	✓	Offside	97.84
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
Acf	**1**	**2**	Fc/3	Acf/1	5.21	48.00	✓	Straight	Straight Movement
	2	**2**	Fc/3	Acf/2	7.23	35.00	✓	Straight	Straight Movement
Af	**1**	**2**	TC9/1	Af/1	6.42	30.00	✓	Straight	Straight Movement
	2	**2**	TC9/2	Af/2	6.38	30.00	✓	Straight	Straight Movement
	3	**2**	TC9/3	Af/3	6.36	30.00	✓	Straight	Straight Movement
Bcf	**1**	**2**	Ac/1	Bcf/1	3.97	57.00	✓	Offside	98.91
	2	**2**	Ac/2	Bcf/2	3.96	57.00	✓	Offside	95.59
	3	**2**	Ac/3	Bcf/3	3.95	57.00	✓	Offside	92.28
	4	**2**	Ac/3	Bcf/4	3.95	57.00	✓	Offside	92.28
C	**2**	**2**	Cf/1	C/2	14.73	30.00	✓	Offside	56.58
Dcf	**1**	**2**	C/1	Dcf/1	4.97	48.00	✓	Nearside	56.06
	2	**2**	C/1	Dcf/2	4.97	48.00	✓	Nearside	56.06
	3	**2**	C/2	Dcf/3	5.17	48.00	✓	Nearside	59.37
	4	**2**	Cc2/3	Dcf/4	8.04	30.00	✓	Straight	Straight Movement
	5	**2**	C/3	Dcf/5	5.04	48.00	✓	Nearside	62.69
Ecf	**1**	**2**	D/1	Ecf/1	3.45	48.00	✓	Nearside	43.36
	2	**2**	D/1	Ecf/2	3.48	48.00	✓	Nearside	43.36
	3	**2**	D/2	Ecf/3	3.52	48.00	✓	Nearside	46.68
	4	**2**	D/3	Ecf/4	3.78	48.00	✓	Nearside	49.99
Fc	**1**	**2**	E1/1	Fc/1	20.64	32.00	✓	Nearside	58.94
	2	**2**	E1/1	Fc/2	20.44	32.00	✓	Nearside	60.85
	3	**2**	E1/2	Fc/3	20.31	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	17.24	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	6.40	54.00	✓	Straight	Straight Movement
Cc2	2	2	Bc/2	Cc2/2	6.16	54.00	✓	Straight	Straight Movement
	3	2	B/3	Cc2/3	8.05	40.00	✓	Straight	Straight Movement
	4	2	B/2	Cc2/4	8.03	40.00	✓	Straight	Straight Movement
	5	2	B/4	Cc2/5	7.99	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	5.21	48.00	✓	Straight	Straight Movement
Af	1	3	TC41/1	Af/1	6.42	30.00	✓	Offside	6.19
	2	3	TC41/1	Af/2	6.38	30.00	✓	Offside	6.19
	3	3	TC41/1	Af/3	6.36	30.00	✓	Offside	6.19
Dcf	3	3	Cc2/4	Dcf/3	8.27	30.00	✓	Straight	Straight Movement
Ecf	4	3	D/2	Ecf/4	6.04	30.00	✓	Nearside	46.68
xA	2	3	Fc/1	xA/2	17.24	48.00	✓	Straight	Straight Movement
Cc2	2	3	B/2	Cc2/2	8.32	40.00	✓	Straight	Straight Movement
	4	3	Bc/2	Cc2/4	5.95	54.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

Traffic Stream	Description	Controlling type	Controlling traffic stream	Percentage opposing (%)	Slope coefficient	Upstream signals visible
1		TrafficStream	Gf/1	100	0.22	
		TrafficStream	Gf/2	100	0.22	
		TrafficStream	TC39/2	100	0.22	
		TrafficStream	TC39/3	100	0.22	

Pedestrian Crossings

Pedestrian Crossings

Crossing	Name	Description	Traffic node	Allow walk on red	Crossing type	Length (m)	Cruise time (seconds)	Cruise speed (kph)
1	(untitled)		3-2		Nearside	3.00	2.00	5.40
2	(untitled)		3		Nearside	3.00	2.00	5.40

3	(untitled)		4-2		Nearside	3.00	2.00	5.40
4	(untitled)		4		Nearside	3.00	2.00	5.40
5	(untitled)		4		Nearside	3.00	2.00	5.40
6	(untitled)		4		Nearside	3.00	2.00	5.40
7	(untitled)		5		Nearside	3.00	2.00	5.40
8	(untitled)		1		Nearside	3.00	2.00	5.40
9	(untitled)		2		Nearside	3.00	2.00	5.40
10	(untitled)		2		Nearside	3.00	2.00	5.40
11	(untitled)				Nearside	3.00	2.00	5.40
12	(untitled)		2		Nearside	3.00	2.00	5.40
13	(untitled)				Farside	3.00	2.00	5.40
14	(untitled)				Farside	3.00	2.00	5.40
15	(untitled)				Nearside	3.00	2.00	5.40
16	(untitled)				Nearside	3.00	2.00	5.40
17	(untitled)				Nearside	3.00	2.00	5.40

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	**23**	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	630
	24		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	25		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	32	I1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	182
	36		C28	E28	Df/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	0
	41		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	415
	42		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	84
	43		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	44		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	45		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	49	I1	C28	D28	Df/1, D/1, Ecf/2, Ec/1, xF/1	Normal	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	0

	86		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	43
	91	l2	C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	45
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	40
	96		A28	C28	50/1, Bf/1, B/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Disabled	0
	97		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
	98		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	99	l3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	42
	100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Normal	248
	101		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	416
	103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
	104	l2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	717
	105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	0
	106		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	169
	107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	55
	108		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	523
	109	l3	C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	230
	110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	213
	111		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	35
	113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	66
	114		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	9
	116		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	17
	117		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	118		F28	C28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	119		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	120		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	8
	121		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	128		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/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	11
	131		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	123
	132		H28	C28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	133		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0

	134		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	135		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	136		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	0
	138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	0
	139		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	140		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	141		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	142		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	144		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	145		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	146		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	147		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	148		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	18
	149	l3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	3
	150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	273
	151		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	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	125
	156		C28	G28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	60
	157		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	158		B28	D28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	159		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	204
	160		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	161		B28	F28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	162		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	163		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	40
	164		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	165		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	106
	167		B28	E28	48/1, Cf/1, C/1, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	419

	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	6
	170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	134
	171		G28	H28	49/1, TC9/1, TC43/1	Normal	0
	172		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Disabled	0
	173		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Disabled	0
	174		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Disabled	0
	175		G28	C28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	176		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	47
	177		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	103
	178		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	34
	179		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Disabled	0
	180		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	181		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	182		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	183		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	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	0
	187		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	376
	188		C28	B28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	189		C28	B28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	192		C28	B28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	193		C28	B28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	194		C28	B28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	244
	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	7
	198		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	3
	199		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	234
	200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	201		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	91
	204		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	184
	205		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	27

	206		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	207		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	17
	208		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	209		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	210		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	518
	211		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	212		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	213		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	214		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	215		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	64
	216		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	217		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	218		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	288
	219		A28	F28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	131
	220		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	221		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	222		A28	D28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	2
	223		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	121
	224		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	225		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	226		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	227		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	228		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
	229		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	230		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	231		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	109
	232		A28	H28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	233		B28	H28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	234	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	170
	235		E28	G28	Ef/1, E1/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	0
	236		E28	H28	Ef/1, E1/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	237		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	243		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	28

	244		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	245		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	246		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	247		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	248		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	250		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	251		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	252		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	253		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	254		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	255	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0
	257		C28	H28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	258		C28	A28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	7
	260		C28	A28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0
	263		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	264		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	265		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	266		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	0
	267		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Fixed	0
	268		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	269		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	270		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	271		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	272		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Disabled	0
	275		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Disabled	0
	276		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	278		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
	279		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
	280		C28	B28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	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
	287		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	288		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	289		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	290		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	291		D28	F28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	292		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	293		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	294		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	295		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	296		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	297		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	298		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	299		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	300		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	301		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	302		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	303		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	304		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	305		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	306		G28	C28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	200
	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
	308		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	309		G28	D28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	310		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	24
	311		B28	D28	48/1, Cf/1, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	294
	312		B28	E28	48/1, Cf/1, C/2, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	4
	313		B28	G28	48/1, Cf/1, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	8
	314		B28	F28	48/1, Cf/1, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	39
	315		B28	G28	48/1, Cf/1, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	7
	316		B28	H28	48/1, Cf/1, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0

Signal Timings

Network Default: 120s cycle time; 120 steps

Resultant penalties

Time Segment	Controller stream	Phase min max penalty (£ per hr)	Intergreen broken penalty (£ per hr)	Stage constraint broken penalty (£ per hr)	Cost of controller stream penalties (£ per hr)
07:30-08:30	(ALL)	0.00	0.00	0.00	0.00

Results - Link

Results - Traffic Stream

Results - Traffic Stream: Vehicle summary

Time Segment	Arm	Traffic Stream	Name	Phase	Calculated flow entering (PCU/hr)	Calculated sat flow (PCU/hr)	Actual green (s (per cycle))	Calculated capacity (PCU/hr)	Degree of saturation (%)	Practical reserve capacity (%)	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	JourneyTime (s)
07:30-08:30	A	1	(untitled)	E	431	2050	34	615	70	28	20.29	8.30	64.21	25.87
		2	(untitled)	E	154	2050	34	615	25	259	10.79	2.36	17.70	16.54
		3	(untitled)	E	590	2050	34	615	96	-6	56.82	16.93	124.14	62.71
		4	(untitled)	E	299	2050	34	615	49	85	15.77	5.42	38.85	21.78
	Ac	1	(untitled)	D	1126	2263	66	1282	88	3	17.12	10.09	60.48	24.32
		2	(untitled)	D	234	2263	66	1261	19	385	1.29	3.56	22.18	10.80
		3	(untitled)	D	403	2263	66	1282	31	186	1.94	5.08	33.24	8.54
	Acf	1	(untitled)		1360	2263	120	2263	60	50	1.19	0.45	3.74	6.40
		2	(untitled)		403	2263	120	2263	18	405	0.17	0.02	0.16	7.41
	Af	1	(untitled)		585	2050	120	2050	29	215	0.35	0.06	0.61	6.78
		2	(untitled)		590	2050	120	2046	29	212	0.36	1.51	16.30	6.74
		3	(untitled)		299	2050	120	2050	15	517	0.15	0.01	0.14	6.51
	B	1	(untitled)	B	274	2050	16	308	89	1	57.07	6.70	40.69	64.17
		2	(untitled)	B	291	2150	16	316	92	-2	65.65	7.78	46.02	72.94
		3	(untitled)	B	308	2100	16	308	100	-10	258.58	24.53	141.46	266.05
		4	(untitled)	B	302	2050	16	308	98	-8	177.68	17.85	100.24	189.97
	Bc	1	(untitled)	A	388	2050	80	1401	28	225	5.72	5.87	25.48	17.65
		2	(untitled)	A	765	2050	80	1401	55	65	9.98	6.97	30.57	21.78
		3	(untitled)	A	527	2050	80	1345	39	130	5.15	4.79	21.22	16.83
	Bcf	1	(untitled)		1557	2263	120	2263	69	31	1.75	0.76	6.92	5.92
		2	(untitled)		388	2263	120	2263	17	425	0.16	0.02	0.16	5.19

	3	(untitled)		765	2263	120	2263	34	166	0.41	0.09	0.79	6.42
	4	(untitled)		527	2263	120	2263	23	286	0.24	0.04	0.33	5.70
Bf	1	(untitled)		565	1800	120	1800	31	187	0.46	0.07	0.18	27.79
	2	(untitled)		609	1800	120	627	97	-7	195.53	47.28	119.01	222.94
C	1	(untitled)	G	534	2100	38	700	76	18	26.04	8.70	41.31	40.58
	2	(untitled)	G	556	2200	38	733	76	19	25.57	8.96	41.96	40.30
	3	(untitled)	G	563	2050	38	683	82	9	30.55	9.83	45.47	45.47
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	369	2050	42	752	49	83	23.71	4.67	48.80	27.84
	2	(untitled)	B	674	1850	42	674	100	-10	98.29	21.77	227.60	102.41
	3	(untitled)	B	773	2250	42	773	100	-10	84.15	20.38	221.60	88.12
Dc	1	(untitled)	A	841	2100	58	1050	80	12	14.02	8.12	92.70	17.80
	2	(untitled)	A	850	2100	58	1050	81	11	12.11	7.83	92.92	15.75
	3	(untitled)	A	426	2100	58	1040	41	120	20.54	6.01	74.36	24.02
	4	(untitled)	A	871	2100	58	1050	83	9	12.72	7.93	102.36	16.06
Dcf	1	(untitled)		909	2050	120	2050	44	103	0.70	0.18	1.53	5.67
	2	(untitled)		1039	2100	120	1863	56	61	1.95	3.16	27.42	6.92
	3	(untitled)		849	2100	120	1902	45	102	1.72	4.47	37.32	7.40
	4	(untitled)		426	2100	120	2088	20	342	0.23	1.55	13.28	7.89
	5	(untitled)		871	2100	120	1916	45	98	1.87	4.94	42.23	6.91
Df	1	(untitled)		1547	1900	120	1043	148	-39	597.17	270.41	777.43	621.17
	2	(untitled)		905	2250	120	773	117	-23	286.59	81.40	234.03	310.59
Dxp	1	(untitled)	D	939	2050	103	1777	53	70	3.02	4.98	61.80	6.49
	2	(untitled)	D	204	2050	103	1777	11	684	3.99	1.80	21.36	7.61
Ec	1	(untitled)	F	735	2150	70	1290	57	58	8.94	6.99	80.26	12.70
	2	(untitled)	F	1054	2263	70	1358	78	16	8.54	8.08	95.91	12.18
	3	(untitled)	F	1072	2263	70	1358	79	14	11.19	8.12	99.77	14.69
	4	(untitled)	F	578	2250	70	1350	43	110	3.91	5.28	66.12	7.35
Ecf	1	(untitled)		964	2100	120	2096	46	96	0.75	4.84	60.62	4.19
	2	(untitled)		1097	2100	120	2081	53	71	0.97	2.61	32.40	4.45
	3	(untitled)		1054	2263	120	1975	53	69	2.84	6.27	76.84	6.36

	4	(untitled)		1689	2300	120	2230	76	19	2.86	6.27	71.59	6.70
Ef	1	(untitled)		935	1900	120	1900	49	83	0.92	0.24	1.07	16.22
	2	(untitled)		521	1900	120	1900	27	228	0.36	0.05	0.23	15.66
Exp	1	(untitled)	L	964	2050	102	1760	55	64	1.50	5.02	55.68	5.39
	2	(untitled)	L	362	2050	102	1760	21	337	0.27	0.03	0.29	4.29
F	1	(untitled)	B	360	2100	20	385	94	-4	70.70	9.99	67.50	77.09
	2	(untitled)	B	237	2100	20	385	62	46	29.94	3.84	25.78	36.37
	3	(untitled)	B	319	2100	20	385	83	9	44.50	6.61	43.57	51.05
Fc	1	(untitled)	A	1094	2263	80	1546	71	27	3.03	2.54	7.95	21.96
	2	(untitled)	A	1410	2263	80	1410	100	-10	56.14	36.57	115.75	75.25
	3	(untitled)	A	1077	2263	80	1465	74	22	13.01	18.33	58.39	32.38
Ff	1	(untitled)		597	1900	120	1900	31	186	0.43	0.07	0.15	33.52
	2	(untitled)		319	1900	120	1900	17	436	0.19	0.02	0.04	33.24
G	1	(untitled)	F	276	2050	36	632	44	106	4.41	5.28	19.54	20.39
	2	(untitled)	F	284	2050	36	629	45	99	9.68	7.15	27.08	21.06
Gf	1	(untitled)		273	2050	120	2050	13	576	0.13	0.01	0.15	3.17
	2	(untitled)		248	2050	120	2050	12	644	0.12	0.01	0.12	3.13
xA	1	(untitled)		1262	2263	120	1981	64	41	3.12	12.18	30.51	20.34
	2	(untitled)		1473	2263	120	2203	67	35	2.17	33.14	82.90	19.40
xB	1	(untitled)		1557	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	1	(untitled)		530	1900	120	1233	43	110	6.26	7.13	35.45	14.93
	2	(untitled)		450	1900	120	1282	35	156	6.49	7.09	35.14	15.19
xD	1	(untitled)		939	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
	2	(untitled)		204	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
xE	1	(untitled)		964	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		363	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	1	(untitled)		793	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
Cc1	1	(untitled)	E	420	2050	56	971	43	108	6.65	5.23	31.30	13.22
E1	1	(untitled)	G	436	2050	28	513	85	6	40.03	8.25	59.32	46.03
	2	(untitled)	G	499	2200	28	550	91	-1	48.97	11.05	79.40	54.97
Gf1	1	(untitled)		38	696	120	696	6	1529	0.15	0.00	0.02	3.85
Cc2	2	(untitled)	D	803	2150	58	1053	76	18	11.15	10.49	65.31	17.96

		3	(untitled)	D	577	2050	58	1002	58	56	9.33	13.37	85.99	16.41
		4	(untitled)	D	753	2150	58	1057	71	26	7.37	12.16	78.42	14.12
		5	(untitled)	D	308	2050	58	1025	30	200	0.75	0.06	0.42	8.75
	E2	3	(untitled)	H	273	2150	28	528	52	74	23.11	3.84	41.45	27.11
		4	(untitled)	H	248	2050	28	513	48	86	22.48	3.46	36.66	26.56
	TC5	2	(untitled)	A	903	2263	96	1848	49	84	2.54	3.13	78.19	5.30
		3	(untitled)	A	1473	2263	96	1848	80	13	3.98	4.44	110.93	6.74
		4	(untitled)	C	0	1800	11	180	0	Unrestricted	0.00	0.00	0.00	0.00
	TC9	1	(untitled)	B	505	1925	81	1348	37	140	8.12	6.36	39.91	19.13
		2	(untitled)	B	555	1966	81	1376	40	123	8.41	7.40	46.14	19.47
		3	(untitled)	B	248	1947	81	1363	18	395	6.49	2.64	16.37	17.61
	TC35	1	(untitled)	A	359	1900	96	1552	23	289	2.07	1.48	35.32	4.97
	TC36	1	(untitled)		201	1800	120	1800	11	706	0.13	0.01	0.16	3.15
	TC37	1	(untitled)	J	35	1850	105	1634	2	4102	0.90	0.14	1.77	4.09
	TC38	1	(untitled)		35	260	120	260	13	569	6.51	2.43	65.43	8.04
	TC39	2	(untitled)		903	2263	120	2263	40	126	0.53	0.13	2.16	3.07
		3	(untitled)		1473	2263	120	2263	65	38	1.48	0.60	10.44	3.87
	TC40	2	(untitled)		938	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
		3	(untitled)		1473	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	166	1850	13	216	77	17	77.20	6.28	66.06	81.14
	TC42	1	(untitled)	E	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
	TC43	1	(untitled)		0	1800	120	1800	0	Unrestricted	0.00	0.00	0.00	0.00
	47	1	(untitled)		979	1300	120	1300	75	19	4.18	1.14	4.90	20.22
	48	1	(untitled)		1653	1965	120	1965	84	7	4.76	2.19	22.80	11.38
	49	1	(untitled)		729	1900	120	1900	38	135	0.59	0.12	2.61	3.74
		2	(untitled)		579	1900	120	1900	30	195	0.42	0.07	1.46	3.56
	50	1	(untitled)		2016	1900	120	1174	172	-48	758.94	440.89	5265.48	764.71
	51	1	(untitled)		916	1900	120	1900	48	87	0.88	0.22	3.44	5.38

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	70	110	40	1	7

	2	✓	2	B	117	5	8	1	7
	3		1	A	10	50	40	1	7
	4		2	B	57	65	8	1	7
769-2	**1**	✓	4	D,E,H,I	3	26	23	1	3
	2	✓	5	F,G,J,K	37	49	12	1	8
	3		4	D,E,H,I	63	86	23	1	3
	4		5	F,G,J,K	97	109	12	1	8
770-1	**1**	✓	1	A,C	109	16	27	1	5
	2	✓	2	B	23	44	21	1	7
	3		1	A,C	49	76	27	1	5
	4		2	B	83	104	21	1	7
770-2	**1**	✓	4	D	105	88	103	1	7
	2	✓	5	E	93	98	5	1	5
770-3	**1**	✓	7	F,I,J	97	7	30	1	2
	2	✓	9	G,H	18	25	7	1	1
	3		7	F,I,J	37	67	30	1	2
	4		9	G,H	78	85	7	1	1
770-4	**1**	✓	11	L	54	36	102	1	7
	2	✓	12	M	41	47	6	1	6
771-1	**1**	✓	1	A,C	108	22	34	1	9
	2	✓	3	B	33	43	10	1	7
	3		1	A,C	48	82	34	1	9
	4		3	B	93	103	10	1	7
771-2	**1**	✓	5	D	108	21	33	1	7
	2	✓	6	E	26	43	17	1	7
	3		5	D	48	81	33	1	7
	4		6	E	86	103	17	1	7
TC777-1	**1**	✓	1	A,B,F	10	90	80	1	6
	2	✓	2	A,C,F,G	95	106	11	1	7
	3	✓	5	D,H,I	113	4	11	1	6
TC777-2	**1**	✓	1	J	8	113	105	1	7
	2	✓	2	K	118	3	5	1	5

Data Entry - Phase

Phase

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

770-2	**D**	D	7	300	0	0	Traffic
	E	E	5	300	0	0	Pedestrian
770-3	**F**	F	7	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	4	300	0	0	Traffic
	I	I	5	300	0	0	Pedestrian
	J	J	5	300	0	0	Pedestrian
	K	K	10	300	0	0	Pedestrian
770-4	**L**	L	7	300	0	0	Traffic
	M	M	6	300	0	0	Pedestrian
771-1	**A**	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	9	300	0	0	Pedestrian
771-2	**D**	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
TC777-1	**A**	A	7	300	0	1	Traffic
	B	B	7	300	0	2	Traffic
	C	C	7	300	0	0	Traffic
	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	5	300	0	0	Pedestrian
	G	G	7	300	0	0	Pedestrian
	H	H	6	300	0	0	Pedestrian
	I	I	5	300	0	0	Pedestrian
TC777-2	**J**	J	7	300	0	0	Traffic
	K	K	5	300	0	0	Pedestrian

Data Entry - Traffic Stream

Traffic Stream

Arm	Traffic Stream	Auto length	Length (m)	Traffic model	Max queue storage (PCU)	Traffic type	Has Saturation Flow	Is signal controlled	Is give way	Saturation flow source	Saturation flow (PCU/hr)	Delay weighting multiplier (%)	Stop weighting multiplier (%)
A	**1**	✓	74.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	76.70	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	78.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	4	✓	80.14	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ac	**1**	✓	95.94	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	92.39	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	87.91	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
Acf	**1**	✓	69.45	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	70.32	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Af	**1**	✓	53.54	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	53.19	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	53.01	CTM	0.00	Normal	✓			Directly entered	2050	100	100

B	**1**	✓	94.67	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	97.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	99.69	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	4	✓	102.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Bc	**1**	✓	132.53	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	2	✓	131.15	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	3	✓	129.77	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
Bcf	**1**	✓	62.79	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	62.68	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.56	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	62.47	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Bf	**1**	✓	227.81	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
	2	✓	228.44	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
C	**1**	✓	121.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	122.73	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Cf	**1**	✓	144.60	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
	2	✓	145.86	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
D	**1**		55.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	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
Dc	**1**	✓	50.38	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	3	✓	46.49	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	4	✓	44.54	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
Dcf	**1**	✓	66.24	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	66.21	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	68.90	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	67.02	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	67.20	CTM	0.00	Normal	✓			Directly entered	2100	100	100
Df	**1**		200.00	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
	2		200.00	NetworkDefault	0.00	Normal	✓			Directly entered	2250	100	100

Dxp	**1**	✓	46.33	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	48.35	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	✓	45.93	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	✓	46.93	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	50.37	CTM	0.00	Normal	✓			Directly entered	2300	100	100
Ef	**1**	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	**1**	✓	51.83	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.71	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	**1**	✓	85.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	87.25	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
Fc	**1**	✓	183.42	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	181.66	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	180.50	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	100
	2	✓	151.80	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Gf	**1**	✓	40.48	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	40.06	CTM	0.00	Normal	✓			Directly entered	2050	100	100
xA	**1**	✓	229.56	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	229.83	CTM	0.00	Normal	✓			Directly entered	2263	100	100
xB	**1**	✓	77.15	NetworkDefault	0.00	Normal						100	100
xC	**1**	✓	115.60	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
	2	✓	115.98	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
xD	**1**	✓	121.71	NetworkDefault	0.00	Normal						100	100

	2	✓	122.74	NetworkDefault	0.00	Normal						100	100
xE	**1**	✓	173.89	NetworkDefault	0.00	Normal						100	100
	2	✓	173.83	NetworkDefault	0.00	Normal						100	100
xF	**1**	✓	162.53	NetworkDefault	0.00	Normal						100	100
Cc1	**1**	✓	96.01	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E1	**1**		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
Gf1	**1**	✓	49.26	NetworkDefault	0.00	Normal			✓			100	100
Cc2	**2**	✓	92.40	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	3	✓	89.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	4	✓	89.19	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	5	✓	88.82	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
E2	**3**	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
TC5	**2**	✓	23.03	CTM	0.00	Normal	✓	✓		Sum of lanes	2263	100	100
	3	✓	23.02	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	4	✓	24.43	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
TC9	**1**	✓	91.71	CTM	0.00	Normal	✓	✓		Directly entered	1925	100	100
	2	✓	92.21	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

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	54	0.00	0.00
		2	0	0	54	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	68	0.00	0.00
		2	0	0	68	0.00	0.00
	5	1	0	0	68	0.00	0.00
		2	0	0	68	0.00	0.00
	6	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	7	1	0	0	68	0.00	0.00
		2	0	0	68	0.00	0.00
	8	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	9	1	0	0	28	0.00	0.00
		2	0	0	28	0.00	0.00
	10	1	0	0	40	0.00	0.00
		2	0	0	40	0.00	0.00
	11	1	0	0	56	0.00	0.00
		2	0	0	56	0.00	0.00
	12	1	0	0	54	0.00	0.00
		2	0	0	54	0.00	0.00
	13	1	0	0	13	0.00	0.00
		2	0	0	13	0.00	0.00
	14	1	0	0	97	0.00	0.00
		2	0	0	97	0.00	0.00
	15	1	0	0	11	0.00	0.00
		2	0	0	11	0.00	0.00
	16	1	0	0	11	0.00	0.00
		2	0	0	11	0.00	0.00
	17	1	0	0	5	0.00	0.00
		2	0	0	5	0.00	0.00

Collections

Point to Point Journey Time

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

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	0.0	899.2	894.3	943.9	927.3	1365.3	1357.7	0.0
	B28	186.8	0.0	90.5	114.7	115.7	140.8	220.5	0.0
	C28	496.4	476.6	0.0	678.9	672.6	788.8	747.3	0.0
	D28	117.9	156.5	166.6	0.0	200.7	145.7	153.9	0.0
	E28	149.7	103.9	186.8	74.4	0.0	118.9	176.9	0.0
	F28	136.1	190.4	220.3	232.9	198.0	0.0	19.5	0.0
	G28	66.5	118.6	161.2	159.4	169.1	179.0	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Normal journey dist (m)	Bus journeydist (m)	Tram journey dist (m)	Pedestrian journey dist (m)	Calculated Total Flow (PCU/hr)	Avg journey time (s)	Avg journey dist (m)
23	C28	A28	630	492.14	835.00	0.00	0.00	0.00	630	492.14	835.00
24	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
25	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
32	C28	E28	182	672.57	526.66	0.00	0.00	0.00	182	672.57	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	415	141.34	693.38	0.00	0.00	0.00	415	141.34	693.38
42	E28	C28	84	186.78	1066.66	0.00	0.00	0.00	84	186.78	1066.66
43	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
44	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
45	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
49	C28	D28	366	678.91	514.00	0.00	0.00	0.00	366	678.91	514.00
50	E28	D28	58	74.44	370.08	0.00	0.00	0.00	58	74.44	370.08
68	E28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
86	F28	D28	43	219.04	870.99	0.00	0.00	0.00	43	219.04	870.99
91	C28	F28	45	788.77	787.50	0.00	0.00	0.00	45	788.77	787.50
92	E28	F28	40	118.86	644.68	0.00	0.00	0.00	40	118.86	644.68
96	A28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
97	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
98	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
99	C28	B28	42	476.21	753.91	0.00	0.00	0.00	42	476.21	753.91
100	E28	B28	248	103.35	623.35	0.00	0.00	0.00	248	103.35	623.35
101	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
102	A28	C28	416	894.27	697.30	0.00	0.00	0.00	416	894.27	697.30
103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
104	C28	G28	717	796.51	880.36	0.00	0.00	0.00	717	796.51	880.36
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
106	G28	C28	169	161.14	770.46	0.00	0.00	0.00	169	161.14	770.46
107	A28	B28	55	899.16	716.24	0.00	0.00	0.00	55	899.16	716.24
108	B28	G28	523	222.49	1057.83	0.00	0.00	0.00	523	222.49	1057.83
109	C28	G28	230	527.72	873.63	0.00	0.00	0.00	230	527.72	873.63
110	E28	G28	213	176.93	731.16	0.00	0.00	0.00	213	176.93	731.16
111	B28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
112	F28	G28	35	19.51	149.60	0.00	0.00	0.00	35	19.51	149.60
113	F28	A28	66	136.13	347.68	0.00	0.00	0.00	66	136.13	347.68
114	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

115	B28	C28	9	91.21	558.16	0.00	0.00	0.00	9	91.21	558.16
116	F28	C28	17	223.83	731.85	0.00	0.00	0.00	17	223.83	731.85
117	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
118	F28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
119	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
120	F28	E28	8	197.95	885.91	0.00	0.00	0.00	8	197.95	885.91
121	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
128	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
130	G28	C28	11	158.66	770.27	0.00	0.00	0.00	11	158.66	770.27
131	G28	E28	123	189.30	921.22	0.00	0.00	0.00	123	189.30	921.22
132	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
133	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
134	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
135	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
136	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
137	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
138	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
139	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
140	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
141	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
142	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
143	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
144	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
145	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
146	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
147	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
148	F28	D28	18	265.30	870.69	0.00	0.00	0.00	18	265.30	870.69
149	C28	B28	3	481.58	757.09	0.00	0.00	0.00	3	481.58	757.09
150	E28	B28	273	104.36	625.89	0.00	0.00	0.00	273	104.36	625.89
151	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
152	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
153	F28	B28	14	190.37	750.53	0.00	0.00	0.00	14	190.37	750.53
154	E28	A28	125	177.38	694.55	0.00	0.00	0.00	125	177.38	694.55
156	C28	G28	60	854.72	875.76	0.00	0.00	0.00	60	854.72	875.76
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	B28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
159	B28	E28	204	113.94	714.96	0.00	0.00	0.00	204	113.94	714.96
160	B28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
161	B28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
162	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
163	B28	A28	40	186.76	1019.20	0.00	0.00	0.00	40	186.76	1019.20
164	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
165	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
166	B28	C28	106	90.39	555.14	0.00	0.00	0.00	106	90.39	555.14
167	B28	E28	419	116.53	709.11	0.00	0.00	0.00	419	116.53	709.11
168	G28	A28	365	66.49	385.78	0.00	0.00	0.00	365	66.49	385.78
169	G28	B28	6	118.00	788.63	0.00	0.00	0.00	6	118.00	788.63
170	G28	B28	134	118.66	789.01	0.00	0.00	0.00	134	118.66	789.01
171	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
172	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
173	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
174	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
175	G28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
176	G28	E28	47	132.94	921.76	0.00	0.00	0.00	47	132.94	921.76
177	G28	D28	103	147.94	910.07	0.00	0.00	0.00	103	147.94	910.07

178	G28	E28	34	131.00	924.99	0.00	0.00	0.00	34	131.00	924.99
179	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
180	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
181	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
182	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
183	B28	B28	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	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
187	A28	E28	376	925.86	850.58	0.00	0.00	0.00	376	925.86	850.58
188	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
189	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
192	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
193	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
194	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
195	D28	G28	244	153.84	744.89	0.00	0.00	0.00	244	153.84	744.89
196	D28	F28	109	145.71	652.03	0.00	0.00	0.00	109	145.71	652.03
197	D28	G28	7	155.96	740.27	0.00	0.00	0.00	7	155.96	740.27
198	D28	A28	3	117.92	704.26	0.00	0.00	0.00	3	117.92	704.26
199	D28	B28	234	156.51	1101.21	0.00	0.00	0.00	234	156.51	1101.21
200	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
201	D28	C28	91	173.33	1078.73	0.00	0.00	0.00	91	173.33	1078.73
204	D28	C28	184	163.31	1077.08	0.00	0.00	0.00	184	163.31	1077.08
205	D28	E28	27	202.84	1228.03	0.00	0.00	0.00	27	202.84	1228.03
206	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
207	D28	E28	17	197.40	1231.25	0.00	0.00	0.00	17	197.40	1231.25
208	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
209	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
210	A28	G28	518	1345.03	1200.32	0.00	0.00	0.00	518	1345.03	1200.32
211	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
212	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
213	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
214	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
215	G28	F28	64	179.02	1179.75	0.00	0.00	0.00	64	179.02	1179.75
216	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
217	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
218	A28	G28	288	1373.01	1204.56	0.00	0.00	0.00	288	1373.01	1204.56
219	A28	F28	131	1365.27	1111.71	0.00	0.00	0.00	131	1365.27	1111.71
220	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
221	F28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
222	A28	D28	2	943.92	838.66	0.00	0.00	0.00	2	943.92	838.66
223	A28	E28	121	931.68	853.57	0.00	0.00	0.00	121	931.68	853.57
224	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
225	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
226	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
227	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
228	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
229	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
230	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
231	A28	G28	109	1377.00	1199.94	0.00	0.00	0.00	109	1377.00	1199.94
232	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
233	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
234	C28	G28	170	798.95	875.74	0.00	0.00	0.00	170	798.95	875.74
235	E28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
236	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
237	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
243	G28	D28	28	201.09	909.29	0.00	0.00	0.00	28	201.09	909.29

244	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
245	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
246	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
247	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
248	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
249	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
250	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
251	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
252	F28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
253	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
254	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
255	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
257	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
258	C28	A28	7	880.06	839.14	0.00	0.00	0.00	7	880.06	839.14
260	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
263	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
264	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
265	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
266	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
267	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
268	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
269	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
270	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
271	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
272	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
275	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
276	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
278	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
279	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
280	C28	B28	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
287	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
288	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
289	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
290	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
291	D28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
292	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
293	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
294	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
295	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
296	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
297	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
298	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
299	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
300	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
301	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
302	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
303	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
304	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
305	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
306	G28	C28	200	161.31	770.46	0.00	0.00	0.00	200	161.31	770.46
307	G28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
308	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

309	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
310	G28	E28	24	190.82	924.21	0.00	0.00	0.00	24	190.82	924.21
311	B28	D28	294	114.66	698.78	0.00	0.00	0.00	294	114.66	698.78
312	B28	E28	4	113.95	713.70	0.00	0.00	0.00	4	113.95	713.70
313	B28	G28	8	148.55	1061.32	0.00	0.00	0.00	8	148.55	1061.32
314	B28	F28	39	140.82	968.47	0.00	0.00	0.00	39	140.82	968.47
315	B28	G28	7	152.48	1056.70	0.00	0.00	0.00	7	152.48	1056.70
316	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

Final Prediction Table

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES	WEIGHTS		PENALTIES	P.I.
Arm	**Traffic Stream**	**Name**	**Traffic node**	**Controller stream**	**Phase**	**Calculated flow entering (PCU/hr)**	**Calculated sat flow (PCU/hr)**	**Actual green (s (per cycle))**	**Wasted time total (s (per cycle))**	**Degree of saturation (%)**	**Practical reserve capacity (%)**	**JourneyTime (s)**	**Mean Delay per Veh (s)**	**Mean stops per Veh (%)**	**Mean max queue (PCU)**	**Delay weighting multiplier (%)**	**Stop weighting multiplier (%)**	**Cost of traffic penalties (£ per hr)**	**P.I.**
A	**1**	(untitled)	6	771-2	E	431	2050	34	0.00	70	28	25.87	20.29	89.39	8.30	100	100	0.00	46.86
	2	(untitled)	6	771-2	E	154	2050	34	0.00	25	259	16.54	10.79	59.86	2.36	100	100	0.00	9.51
	3	(untitled)	6	771-2	E	590 <	2050	34	0.00	96	-6	62.71	56.82	112.18	16.93 +	100	100	0.00	153.49
	4	(untitled)	6	771-2	E	299	2050	34	0.00	49	85	21.78	15.77	82.80	5.42	100	100	0.00	26.54
Ac	**1**	(untitled)	6	771-2	D	1126	2263	66	6.00	88	3	24.32	17.12	46.41	10.09	100	500	0.00	159.90
	2	(untitled)	6	771-2	D	234	2263	66	49.13	19	385	10.80	1.29	28.97	3.56	100	500	0.00	6.98
	3	(untitled)	6	771-2	D	403	2263	66	18.00	31	186	8.54	1.94	33.65	5.08	100	500	0.00	24.86
Acf	**1**	(untitled)	6			1360	2263	120	16.00	60	50	6.40	1.19	0.00	0.45	100	100	0.00	6.41
	2	(untitled)	6			403	2263	120	66.00	18	405	7.41	0.17	0.00	0.02	100	100	0.00	0.27
Af	**1**	(untitled)	6			585	2050	120	22.00	29	215	6.78	0.35	0.00	0.06	100	100	0.00	0.81
	2	(untitled)	6			590	2050	120	25.21	29	212	6.74	0.36	0.66	1.51	100	100	0.00	0.89
	3	(untitled)	6			299	2050	120	25.00	15	517	6.51	0.15	0.00	0.01	100	100	0.00	0.18
B	**1**	(untitled)	1	769-1	B	274	2050	16	0.00	89	1	64.17	57.07	136.85	6.70	100	100	0.00	73.79
	2	(untitled)	1	769-1	B	291	2150	16	0.37	92	-2	72.94	65.65	146.68	7.78	100	100	0.00	88.94
	3	(untitled)	1	769-1	B	308 <	2100	16	0.43	100	-10	266.05	258.58	295.35	24.53 +	100	100	0.00	342.78
	4	(untitled)	1	769-1	B	302 <	2050	16	0.00	98	-8	189.97	177.68	273.97	17.85 +	100	100	0.00	221.99
Bc	**1**	(untitled)	1	769-1	A	388	2050	80	46.00	28	225	17.65	5.72	66.59	5.87	100	500	0.00	37.55

	2	(untitled)	1	769-1	A	765	2050	80	18.00	55	65	21.78	9.98	52.82	6.97	100	500	0.00	75.15
	3	(untitled)	1	769-1	A	527	2050	80	47.29	39	130	16.83	5.15	50.77	4.79	100	500	0.00	40.53
Bcf	**1**	(untitled)	1			1557	2263	120	22.00	69	31	5.92	1.75	0.00	0.76	100	100	0.00	10.73
	2	(untitled)	1			388	2263	120	64.00	17	425	5.19	0.16	0.00	0.02	100	100	0.00	0.25
	3	(untitled)	1			765	2263	120	34.00	34	166	6.42	0.41	0.00	0.09	100	100	0.00	1.23
	4	(untitled)	1			527	2263	120	66.00	23	286	5.70	0.24	0.00	0.04	100	100	0.00	0.50
Bf	**1**	(untitled)	1			565	1800	120	16.00	31	187	27.79	0.46	0.00	0.07	100	100	0.00	1.02
	2	(untitled)	1			609 <	1800	120	78.19	97	-7	222.94	195.53	390.30	47.28 +	100	100	0.00	499.65
C	**1**	(untitled)	2	769-2	G	534	2100	38	0.00	76	18	40.58	26.04	95.92	8.70	100	100	0.00	61.28
	2	(untitled)	2	769-2	G	556	2200	38	0.00	76	19	40.30	25.57	96.10	8.96	100	100	0.00	62.77
	3	(untitled)	2	769-2	G	563	2050	38	0.00	82	9	45.47	30.55	103.68	9.83	100	100	0.00	75.16
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	369	2050	42	2.00	49	83	27.84	23.71	75.06	4.67	20	0	0.00	6.91
	2	(untitled)	3	770-1	B	674 <	1850	42	0.31	100	-10	102.41	98.29	126.68	21.77 +	20	0	0.00	52.23
	3	(untitled)	3	770-1	B	773 <	2250	42	2.77	100	-10	88.12	84.15	96.04	20.38 +	20	0	0.00	51.32
Dc	**1**	(untitled)	3	770-1	A	841	2100	58	6.01	80	12	17.80	14.02	55.33	8.12	100	500	20.12	141.33
	2	(untitled)	3	770-1	A	850	2100	58	5.00	81	11	15.75	12.11	49.57	7.83	100	500	0.00	108.30
	3	(untitled)	3	770-1	A	426	2100	58	22.55	41	120	24.02	20.54	74.42	6.01	100	500	0.00	85.29
	4	(untitled)	3	770-1	A	871 <	2100	58	8.00	83	9	16.06	12.72	48.04	7.93 +	100	500	0.00	110.79
Dcf	**1**	(untitled)	3			909	2050	120	21.00	44	103	5.67	0.70	0.00	0.18	100	100	0.00	2.51
	2	(untitled)	3			1039	2100	120	46.55	56	61	6.92	1.95	12.20	3.16	100	100	0.00	12.09
	3	(untitled)	3			849	2100	120	41.30	45	102	7.40	1.72	14.37	4.47	100	100	0.00	9.28
	4	(untitled)	3			426	2100	120	59.68	20	342	7.89	0.23	0.91	1.55	100	100	0.00	0.45
	5	(untitled)	3			871	2100	120	68.54	45	98	6.91	1.87	16.08	4.94	100	100	0.00	10.92
Df	**1**	(untitled)	3-2			1547 <	1900	120	54.13	148	-39	621.17	597.17	393.25	270.41 +	100	100	0.00	3695.42
	2	(untitled)	3-2			905 <	2250	120	78.77	117	-23	310.59	286.59	308.73	81.40 +	100	100	0.00	1052.98
Dxp	**1**	(untitled)	3-2	770-2	D	939	2050	103	12.00	53	70	6.49	3.02	15.04	4.98	100	100	0.00	15.71
	2	(untitled)	3-2	770-2	D	204	2050	103	77.00	11	684	7.61	3.99	26.23	1.80	100	100	0.00	4.92
Ec	**1**	(untitled)	4	770-3	F	735	2150	70	8.00	57	58	12.70	8.94	49.99	6.99	100	500	0.00	84.89

	2	(untitled)	4	770-3	F	1054	2263	70	9.00	78	16	12.18	8.54	43.90	8.08	100	500	11.31	121.08
	3	(untitled)	4	770-3	F	1072	2263	70	4.00	79	14	14.69	11.19	48.07	8.12	100	500	32.25	162.27
	4	(untitled)	4	770-3	F	578	2250	70	8.00	43	110	7.35	3.91	45.30	5.28	100	500	0.00	50.94
Ecf	**1**	(untitled)	4			964	2100	120	28.25	46	96	4.19	0.75	1.65	4.84	100	100	0.00	3.36
	2	(untitled)	4			1097	2100	120	25.10	53	71	4.45	0.97	1.06	2.61	100	100	0.00	4.56
	3	(untitled)	4			1054	2263	120	46.28	53	69	6.36	2.84	22.73	6.27	100	100	0.00	19.49
	4	(untitled)	4			1689	2300	120	23.63	76	19	6.70	2.86	11.41	6.27	100	100	0.00	25.14
Ef	**1**	(untitled)	4			935	1900	120	0.00	49	83	16.22	0.92	0.00	0.24	100	100	0.00	3.38
	2	(untitled)	4			521	1900	120	0.00	27	228	15.66	0.36	0.00	0.05	100	100	0.00	0.74
Exp	**1**	(untitled)	4-2	770-4	L	964	2050	102	21.00	55	64	5.39	1.50	4.82	5.02	100	100	0.00	7.19
	2	(untitled)	4-2	770-4	L	362	2050	102	48.00	21	337	4.29	0.27	0.04	0.03	100	100	0.00	0.38
F	**1**	(untitled)	5	771-1	B	360	2100	20	0.00	94	-4	77.09	70.70	153.05	9.99	100	100	0.00	118.09
	2	(untitled)	5	771-1	B	237	2100	20	0.00	62	46	36.37	29.94	96.92	3.84	100	100	0.00	35.36
	3	(untitled)	5	771-1	B	319	2100	20	0.00	83	9	51.05	44.50	118.90	6.61	100	100	0.00	68.17
Fc	**1**	(untitled)	5	771-1	A	1094	2263	80	15.00	71	27	21.96	3.03	8.03	2.54	100	500	0.00	20.53
	2	(untitled)	5	771-1	A	1410<	2263	80	7.22	100	-10	75.25	56.14	114.88	36.57+	100	500	8866.22	9311.30
	3	(untitled)	5	771-1	A	1077	2263	80	4.31	74	22	32.38	13.01	103.56	18.33	100	500	0.00	143.22
Ff	**1**	(untitled)	5			597	1900	120	0.00	31	186	33.52	0.43	0.00	0.07	100	100	0.00	1.02
	2	(untitled)	5			319	1900	120	0.00	17	436	33.24	0.19	0.00	0.02	100	100	0.00	0.24
G	**1**	(untitled)	2	769-2	F	276	2050	36	13.02	44	106	20.39	4.41	61.19	5.28	100	100	0.00	7.67
	2	(untitled)	2	769-2	F	284	2050	36	3.17	45	99	21.06	9.68	90.12	7.15	100	100	0.00	19.05
Gf	**1**	(untitled)	4			273	2050	120	90.00	13	576	3.17	0.13	0.00	0.01	100	100	0.00	0.15
	2	(untitled)	4			248	2050	120	90.00	12	644	3.13	0.12	0.00	0.01	100	100	0.00	0.12
xA	**1**	(untitled)	10			1262	2263	120	36.94	64	41	20.34	3.12	18.21	12.18	100	100	0.00	22.92
	2	(untitled)	10			1473	2263	120	40.19	67	35	19.40	2.17	8.41	33.14	100	100	0.00	16.55
xB	**1**	(untitled)				1557	Unrestricted	120	1.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	**1**	(untitled)				530	1900	120	79.13	43	110	14.93	6.26	54.44	7.13	100	100	0.00	22.34
	2	(untitled)				450	1900	120	86.03	35	156	15.19	6.49	58.03	7.09	100	100	0.00	19.90
xD	**1**	(untitled)				939	Unrestricted	120	8.00	0	Unrestricted	9.13	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				204	Unrestricted	120	74.00	0	Unrestricted	9.21	0.00	0.00	0.00	100	100	0.00	0.00
xE	**1**	(untitled)				964	Unrestricted	120	8.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00

	2	(untitled)				363	Unrestricted	120	42.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	**1**	(untitled)				793	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	420	2050	56	27.17	43	108	13.22	6.65	43.86	5.23	100	100	0.00	18.24
E1	**1**	(untitled)	4	770-3	G	436	2050	28	0.00	85	6	46.03	40.03	111.22	8.25	100	100	0.00	84.41
	2	(untitled)	4	770-3	G	499	2200	28	0.00	91	-1	54.97	48.97	125.67	11.05	100	100	0.00	116.51
Gf1	**1**	(untitled)	4			38	696	120	76.00	6	1529	3.85	0.15	0.00	0.00	100	100	0.00	0.02
Cc2	**2**	(untitled)	2	769-2	D	803	2150	58	2.26	76	18	17.96	11.15	54.42	10.49	100	500	0.00	112.02
	3	(untitled)	2	769-2	D	577	2050	58	12.33	58	56	16.41	9.33	72.41	13.37	100	500	0.00	85.60
	4	(untitled)	2	769-2	D	753	2150	58	14.00	71	26	14.12	7.37	43.34	12.16	100	500	0.00	76.58
	5	(untitled)	2	769-2	D	308	2050	58	42.00	30	200	8.75	0.75	0.00	0.06	100	500	0.00	0.91
E2	**3**	(untitled)	4	770-3	H	273	2150	28	0.56	52	74	27.11	23.11	84.30	3.84	100	100	0.00	32.27
	4	(untitled)	4	770-3	H	248	2050	28	0.00	48	86	26.56	22.48	83.71	3.46	100	100	0.00	28.66
TC5	**2**	(untitled)	TC771-6	TC777-1	A	903	2263	96	28.00	49	84	5.30	2.54	10.40	3.13	100	100	0.00	10.21
	3	(untitled)	TC771-6	TC777-1	A	1473<	2263	96	18.00	80	13	6.74	3.98	8.73	4.44+	100	100	0.00	24.74
	4	(untitled)	TC771-6	TC777-1	C	0	1800	11	12.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC9	**1**	(untitled)	TC771-6	TC777-1	B	505	1925	81	0.00	37	140	19.13	8.12	37.62	6.36	100	100	0.00	18.56
	2	(untitled)	TC771-6	TC777-1	B	555	1966	81	0.00	40	123	19.47	8.41	37.92	7.40	100	100	0.00	21.05
	3	(untitled)	TC771-6	TC777-1	B	248	1947	81	0.00	18	395	17.61	6.49	31.91	2.64	100	100	0.00	7.34
TC35	**1**	(untitled)	TC771-6	TC777-1	A	359	1900	96	19.00	23	289	4.97	2.07	14.43	1.48	100	100	0.00	3.57
TC36	**1**	(untitled)	TC771-6			201	1800	120	0.00	11	706	3.15	0.13	0.00	0.01	100	100	0.00	0.10
TC37	**1**	(untitled)	TC771-6	TC777-2	J	35	1850	105	105.00	2	4102	4.09	0.90	11.69	0.14	100	100	0.00	0.27
TC38	**1**	(untitled)	TC771-6			35	260	120	53.00	13	569	8.04	6.51	45.36	2.43	100	100	0.00	1.45
TC39	**2**	(untitled)	TC771-6			903	2263	120	50.00	40	126	3.07	0.53	0.00	0.13	100	100	0.00	1.88
	3	(untitled)	TC771-6			1473	2263	120	40.00	65	38	3.87	1.48	0.00	0.60	100	100	0.00	8.58
TC40	**2**	(untitled)	TC771-6			938	Unrestricted	120	26.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC771-6			1473	Unrestricted	120	28.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00

TC41	**1**	(untitled)	TC771-6	TC777-1	D	166	1850	13	0.00	77	17	81.14	77.20	111.97	6.28	100	100	0.00	57.03
TC42	**1**	(untitled)	TC771-6	TC777-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
TC43	**1**	(untitled)				0	1800	120	120.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	100	0.00	0.00
47	**1**	(untitled)	2			979	1300	120	27.00	75	19	20.22	4.18	0.00	1.14	100	100	0.00	16.16
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)	TC771-6			729	1900	120	0.00	38	135	3.74	0.59	0.00	0.12	100	100	0.00	1.69
	2	(untitled)	TC771-6			579	1900	120	0.00	30	195	3.56	0.42	0.00	0.07	100	100	0.00	0.95
50	**1**	(untitled)	1			2016<	1900	120	45.85	172	-48	764.71	758.94	441.91	440.89+	100	100	0.00	61001.12
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

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	54	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3	770-1	C	0	11000	54	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	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	J	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	**1**	(untitled)	4	770-3	I	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	I	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
6	**1**	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
7	**1**	(untitled)	5	771-1	C	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
8	**1**	(untitled)	1	769-1	C	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00

	2	(untitled)	1	769-1	C	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
9	**1**	(untitled)	2	769-2	J	0	11000	28	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	J	0	11000	28	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
10	**1**	(untitled)	2	769-2	K	0	11000	40	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	K	0	11000	40	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	**1**	(untitled)		769-2	H	0	11000	56	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	56	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	**1**	(untitled)	2	769-2	I	0	11000	54	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	54	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
13	**1**	(untitled)		TC777-1	I	0	11000	13	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	I	0	11000	13	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
14	**1**	(untitled)		TC777-1	F	0	11000	97	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	F	0	11000	97	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
15	**1**	(untitled)		TC777-1	G	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	G	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
16	**1**	(untitled)		TC777-1	H	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	H	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
17	**1**	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

Network Results

	Distance travelled (PCU-km/hr)	Time spent (PCU-hr/hr)	Mean journey speed (kph)	Total delay (PCU-hr/hr)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Excess queue penalty (£ per hr)	Performance Index (£ per hr)
Normal traffic	7059.15	1198.61	5.89	1014.83	13968.69	1649.47	8929.91	24548.07
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	7059.15	1198.61	5.89	1014.83	13968.69	1649.47	8929.91	24548.07

- *< = 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 DM_2032+Com+CP+Dev_03.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\DM
Report generation date: 24/01/2021 11:49:45

Summary of network performance

	Set ID	Cycle time (s)	PI (£ per hr)	Total delay (PCU-hr/hr)	Highest DOS	Number oversaturated
	PM Base 2032 + Com Dev + CP + Dev - PM 2032 + Com Dev + CP + Dev					
Network	A16 D16	60	340757.15	1451.71	410% (TS 49/2)	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

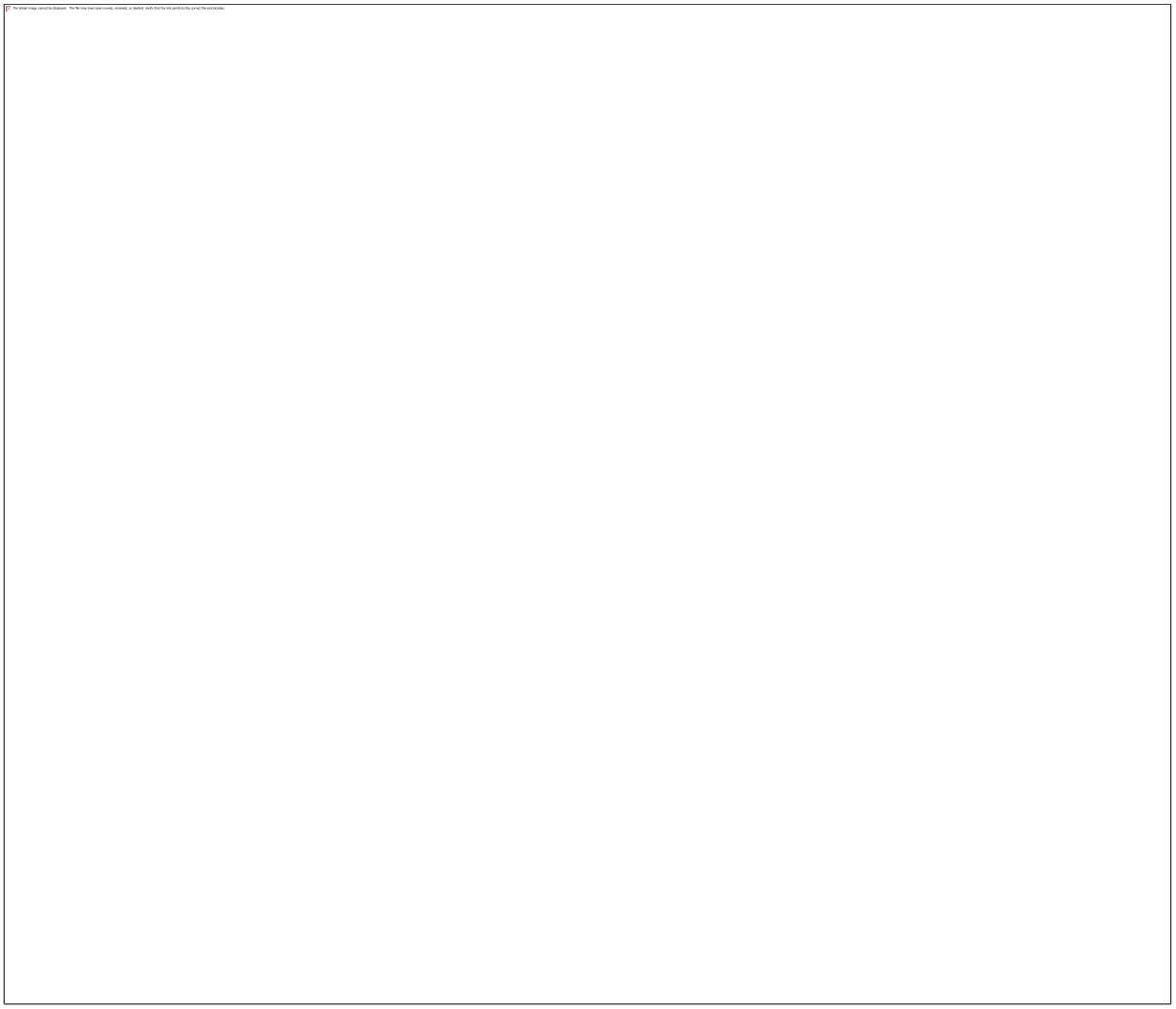
Sorting

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

Summary

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Traffic Stream Data	Arm Bf - Traffic Stream 1	Arm Bf - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm Bf - Traffic Stream 2	Arm Bf - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm Ff - Traffic Stream 1	Arm Ff - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm Ff - Traffic Stream 2	Arm Ff - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm xA - Traffic Stream 1	Arm xA - Traffic Stream 1 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm xA - Traffic Stream 2	Arm xA - Traffic Stream 2 is over 200m. Recommend the use of PDM to model platooning effects.
Warning	Traffic Stream Data	Arm TC38 - Traffic Stream 1	Traffic Stream 1: CTM uses a whole number of cells. CTM is using the length adjusted by 30%.

Warning	Local Matrix	Local Matrix 1	Local Matrix 1: Auto Calculate option is switched off - OD flows will not be allocated automatically to the network.
Warning	Traffic Stream Signals	Arm TC5 - Traffic Stream 4 - Signals (TC777-1, C)	Traffic Stream 4 controlling phase C never runs in the current stage sequence.
Warning	Traffic Stream Signals	Arm TC42 - Traffic Stream 1 - Signals (TC777-1, E)	Traffic Stream 1 controlling phase E never runs in the current stage sequence.
Info	Arm Data	Arm xC	No traffic node specified for arm(s): xC
Info	Traffic Stream Signals	Arm TC5 - Traffic Stream 4 - Signals (TC777-1, C)	Traffic Stream 4 controlling phase C never runs in stage sequence 1.
Info	Traffic Stream Signals	Arm TC42 - Traffic Stream 1 - Signals (TC777-1, E)	Traffic Stream 1 controlling phase E never runs in stage sequence 1.

Run Summary

Analysis set used	Run start time	Run finish time	Run duration (s)	Modelling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Item with worst overall PRC	Network within capacity
16	24/01/2021 11:48:32	24/01/2021 11:48:45	13.33	16:30	60	340757.15	1451.71	410.40	49/2	18	12	TC5/4	49/2	TC5/4	

Analysis Set Details

Name	Use Simulation	Description	Use specific Demand Set(s)	Specific Demand Set(s)	Optimise specific Demand Set(s)	Include in report	Locked
PM Base 2032 + Com Dev + CP + Dev			✓	D16		✓	

Demand Set Details

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

Network Options

Network timings

Network cycle time (s)	Minimum possible cycle time (s)	Absolute minimum possible cycle time (s)	Restrict to SCOOT cycle times	Time segment length (min)	Number of time segments	Modelled time period (min)
60	37	37		60	1	60

Signals options

Start displacement (s)	End displacement (s)
2	3

Advanced

Phase minimum broken penalty (£)	Phase maximum broken penalty (£)	Intergreen broken penalty (£)	Starting Red-with-Amber (s)	Missing stage transition options
10000.00	10000.00	10000.00	2	Assume banned

Traffic options

Traffic model	Vehicle flow scaling factor (%)	Pedestrian flow scaling factor (%)	Cruise times or speeds
Platoon Dispersion (PDM)	100	100	Cruise Speeds

Advanced

Resolution	DOS Threshold (%)	Cruise scaling factor (%)	Use link stop weightings	Use link delay weightings	Exclude pedestrians from traffic model	Exclude pedestrians from results calculation	Random delay mode	Type of Vehicle-in-Service	Type of random parameter	PCU Length (m)	Calculate results for Path Segments	Generate PDM Profile Data
1	90	100	✓	✓			Complex	Uniform (TRANSYT)	Uniform (TRANSYT)	5.75		✓

Normal Traffic parameters

Dispersion type	Dispersion coefficient	Travel time coefficient
Default	35	80

Normal Traffic Types

Name	PCU Factor
Normal	1.00

Bus parameters

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

Tram parameters

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

Pedestrian parameters

Dispersion type
Default

Optimisation options

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

Advanced

Optimisation type	Hill climb increments	OUTProfile accuracy (%)	Use enhanced optimisation	Auto optimisation order	Optimisation order	Master controller	Offsets relative to master controller	Master controller offset after each run
Standard accuracy Hill Climb	15, 40, -1, 15, 40, 1, -1, 1	50, 50, 5, 5, 0.5, 0.5, 0.05, 0.05		✓	769-1, 769-2, 770-1, 770-2, 770-3, 770-4, 771-1, 771-2, TC777-1, TC777-2			Do nothing

Economics

Vehicle Monetary Value Of Delay (£ per PCU-hr)	Vehicle Monetary Value Of Stops (£ per 100 stops)	Pedestrian monetary value of delay (£ per Ped-hr)
14.20	2.60	14.20

Traffic Nodes

Traffic Nodes

Traffic node	Name	Description
(ALL)	(untitled)	

Arms and Traffic Streams

Arms

Arm	Name	Description	Traffic node
A	Dewsbury Rd SB		6
Ac	(untitled)		6
Acf	(untitled)		6
Af	Dewsbury Rd SB		6
B	M62 WB off slip		1
Bc	(untitled)		1
Bcf	(untitled)		1
Bf	M62 WB off slip		1
C	Bradford Rd WB		2
Cf	Bradford Rd WB		2
D	Dewsbury Rd NB		3
Dc	(untitled)		3
Dcf	(untitled)		3
Df	Dewsbury Rd NB		3-2
Dxp	Dewsbury Rd exit SB (ped)		3-2
Ec	(untitled)		4
Ecf	(untitled)		4
Ef	Bradford Rd EB		4
Exp	Bradford Rd exit WB (ped)		4-2
F	M62 EB off slip		5
Fc	(untitled)		5
Ff	M62 EB off slip		5
G	(untitled)		2
Gf	(untitled)		4
xA	Dewsbury Rd exit NB		10
xB	M62 EB on slip		
xC	(untitled)		
xD	Dewsbury Rd exit SB		
xE	Bradford Rd exit WB		
xF	M62 WB on slip		
Cc1	(untitled)		2
E1	Bradford Rd EB (left)		4
Gf1	(untitled)		4
Cc2	(untitled)		2
E2	Bradford Rd EB (ahead)		4
TC5	(untitled)		TC771-6
TC9	(untitled)		TC771-6
TC35	(untitled)		TC771-6
TC36	(untitled)		TC771-6
TC37	(untitled)		TC771-6
TC38	(untitled)		TC771-6
TC39	(untitled)		TC771-6
TC40	(untitled)		TC771-6
TC41	(untitled)		TC771-6
TC42	(untitled)		TC771-6
TC43	(untitled)		

47	(untitled)		2
48	(untitled)		2
49	(untitled)		TC771-6
50	(untitled)		1
51	(untitled)		4-2

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto length	Length (m)	Has Saturation Flow	Saturation flow source	Saturation flow (PCU/hr)	Auto-calculate cell saturation flow	Cell saturation flow (PCU/hr)	Is signal controlled	Is give way	Traffic type	Allow Nearside Turn On Red
A	1	(untitled)	M62E	✓	74.35	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.70	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.42	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.14	✓	Directly entered	2050		2050	✓		Normal	
Ac	1	(untitled)	M62E	✓	95.94	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Wake	✓	92.39	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.91	✓	Directly entered	2263		2263	✓		Normal	
Acf	1	(untitled)		✓	69.45	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	70.32	✓	Directly entered	2263		2263			Normal	
Af	1	(untitled)	M62E/Wake	✓	53.54	✓	Directly entered	2050		2050			Normal	
	2	(untitled)	Dews	✓	53.19	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	53.01	✓	Directly entered	2050		2050			Normal	
B	1	(untitled)	Wake/Dews	✓	94.67	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Brad	✓	97.18	✓	Directly entered	2150		2150	✓		Normal	
	3	(untitled)	Leeds	✓	99.69	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)		✓	102.42	✓	Directly entered	2050		2050	✓		Normal	
Bc	1	(untitled)	Wake	✓	132.53	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Dews	✓	131.15	✓	Directly entered	2050		2263	✓		Normal	
	3	(untitled)	Brad/M62W	✓	129.77	✓	Directly entered	2050		2050	✓		Normal	
Bcf	1	(untitled)		✓	62.79	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	62.68	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.56	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.47	✓	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	
Dc	**1**	(untitled)	Brad	✓	50.38	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Brad/M62W	✓	48.43	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Leeds	✓	46.49	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)	Leeds/M62E	✓	44.54	✓	Directly entered	2100		2100	✓		Normal	
Dcf	**1**	(untitled)		✓	66.24	✓	Directly entered	2050		2050			Normal	
	2	(untitled)		✓	66.21	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	68.90	✓	Directly entered	2100		2100			Normal	
	4	(untitled)		✓	67.02	✓	Directly entered	2100		2100			Normal	
	5	(untitled)		✓	67.20	✓	Directly entered	2100		2100			Normal	
Df	**1**	(untitled)			200.00	✓	Sum of lanes	1900					Normal	
	2	(untitled)			200.00	✓	Directly entered	2250					Normal	
Dxp	**1**	(untitled)		✓	46.33	✓	Directly entered	2050			✓		Normal	
	2	(untitled)		✓	48.35	✓	Directly entered	2050			✓		Normal	
Ec	**1**	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal	
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal	
	4	(untitled)	M62E	✓	45.93	✓	Directly entered	2250		2250	✓		Normal	
Ecf	**1**	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal	
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal	
	3	(untitled)		✓	46.93	✓	Directly entered	2263		2263			Normal	
	4	(untitled)		✓	50.37	✓	Directly entered	2300		2300			Normal	
Ef	**1**	(untitled)		✓	127.54	✓	Directly entered	1900					Normal	
	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal	
Exp	**1**	(untitled)		✓	51.83	✓	Directly entered	2050		2100	✓		Normal	
	2	(untitled)		✓	53.71	✓	Directly entered	2050		2100	✓		Normal	

F	**1**	(untitled)	Leeds	✓	85.13	✓	Directly entered	2100		2100	✓		Normal	
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.25	✓	Directly entered	2100		2100	✓		Normal	
Fc	**1**	(untitled)	Leeds	✓	183.42	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Leeds	✓	181.66	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	M62E/Dews	✓	180.50	✓	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)		✓	229.56	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	229.83	✓	Directly entered	2263		2263			Normal	
xB	**1**	(untitled)		✓	77.15								Normal	
xC	**1**	(untitled)		✓	115.60	✓	Sum of lanes	1900		1900			Normal	
	2	(untitled)		✓	115.98	✓	Sum of lanes	1900		1900			Normal	
xD	**1**	(untitled)		✓	121.71								Normal	
	2	(untitled)		✓	122.74								Normal	
xE	**1**	(untitled)		✓	173.89								Normal	
	2	(untitled)		✓	173.83								Normal	
xF	**1**	(untitled)		✓	162.53								Normal	
Cc1	**1**	(untitled)	Wake	✓	96.01	✓	Directly entered	2050		2050	✓		Normal	
E1	**1**	(untitled)	M62W/Leeds		80.00	✓	Directly entered	2050		1900	✓		Normal	
	2	(untitled)	Leeds/M62E		80.00	✓	Directly entered	2200		2100	✓		Normal	
Gf1	**1**	(untitled)		✓	49.26							✓	Normal	
Cc2	**2**	(untitled)	Dews	✓	92.40	✓	Directly entered	2150		2100	✓		Normal	
	3	(untitled)	Brad/M62W	✓	89.42	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Dews/Brad	✓	89.19	✓	Directly entered	2150		2100	✓		Normal	
	5	(untitled)	Leeds	✓	88.82	✓	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	

Lanes

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

	3	**3**	(untitled)											
Acf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
Af	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
B	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
Bc	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
	3	**1**	(untitled)											
Bcf	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
	3	**1**	(untitled)											
	4	**1**	(untitled)											
Bf	**1**	**1**	(untitled)											1800
	2	**1**	(untitled)											1800
C	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Cf	**1**	**2**	(untitled)											1965
	2	**1**	(untitled)											1965
D	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Dc	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
Dcf	**1**	**1**	(untitled)											

	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
	5	**5**	(untitled)											
Df	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											
Dxp	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
Ec	**1**	**1**	(untitled)											
	2	**1**	(untitled)											
	3	**1**	(untitled)											
	4	**1**	(untitled)											
Ecf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
Ef	**1**	**1**	(untitled)											
	2	**2**	(untitled)											1900
Exp	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
F	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Fc	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
	3	**3**	(untitled)											
Ff	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											1900
G	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
Gf	**1**	**1**	(untitled)											
	2	**2**	(untitled)											

xA	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xB	**1**	**1**	(untitled)											
xC	**1**	**1**	(untitled)											1900
	2	**2**	(untitled)											1900
xD	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xE	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
xF	**1**	**1**	(untitled)											
Cc1	**1**	**1**	(untitled)											
E1	**1**	**1**	(untitled)											
	2	**2**	(untitled)											
Gf1	**1**	**1**	(untitled)											
Cc2	**2**	**2**	(untitled)											
	3	**3**	(untitled)											
	4	**4**	(untitled)											
	5	**5**	(untitled)											
E2	**3**	**3**	(untitled)											
	4	**4**	(untitled)											
TC5	**2**	**1**	(untitled)		✓	N/A	Clearly Good	0	3.50	✓	0	99999.00		2263
	3	**1**	(untitled)											
	4	**1**	(untitled)											1800
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

Modelling

Arm	Traffic Stream	Traffic model	Stop weighting multiplier (%)	Delay weighting multiplier (%)	Assignment Cost Weighting (%)	Exclude from results calculation	Max queue storage (PCU)	Has queue limit	Queue limit (PCU)	Excess queue penalty (£)	Has degree of saturation limit	Degree of saturation limit (%)	Excess degree of saturation penalty (£)	Low degree of saturation penalty (£)
A	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Ac	**1**	CTM	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	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
Bc	**1**	CTM	500	100	100		0.00	✓	23.00	9999.00				
	2	CTM	500	100	100		0.00	✓	23.00	9999.00				
	3	CTM	500	100	100		0.00	✓	23.00	9999.00				
Bcf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	500	100	100		0.00	✓	10.50	9999.00				
	4	CTM	100	100	100		0.00							
Bf	**1**	CTM	100	100	100		0.00							

	2	CTM	100	100	100		0.00							
C	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Cf	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
D	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Dc	**1**	CTM	500	100	100		0.00	✓	8.50	9999.00				
	2	CTM	500	100	100		0.00	✓	8.50	9999.00				
	3	CTM	500	100	100		0.00	✓	8.50	9999.00				
	4	CTM	500	100	100		0.00	✓	8.50	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	500	100	100		0.00	✓	11.50	9999.00				
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							
Ef	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
Exp	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
F	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
Fc	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	500	100	100		0.00	✓	31.00	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	100	100	100		0.00							

	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	100	100	100		0.00							
	2	CTM	100	100	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				
E2	**3**	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
TC 5	**2**	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
	4	CTM	100	100	100		0.00							
TC 9	**1**	CTM	100	100	100		0.00							
	2	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
TC 35	**1**	CTM	100	100	100		0.00							
TC 36	**1**	NetworkDefault	100	100	100		0.00							
TC 37	**1**	CTM	100	100	100		0.00							
TC 38	**1**	CTM	100	100	100		0.00							
TC 39	**2**	CTM	100	100	100		0.00							
	3	CTM	100	100	100		0.00							
TC 40	**2**	PDM	100	100	100		0.00							
	3	PDM	100	100	100		0.00							
TC 41	**1**	CTM	100	100	100		0.00							
TC 42	**1**	NetworkDefault	100	100	100		0.00							
TC 43	**1**	NetworkDefault	100	100	100		0.00							
47	**1**	CTM	100	100	100		0.00							

48	**1**	NetworkDefault	100	100	100		0.00							
49	**1**	NetworkDefault	100	100	100		0.00							
	2	NetworkDefault	100	100	100		0.00							
50	**1**	NetworkDefault	100	100	100		0.00							
51	**1**	NetworkDefault	100	100	100		0.00							

Modelling - Advanced

Arm	Traffic Stream	Initial queue (PCU)	Type of Vehicle-in-Service	Vehicle-in-Service	Type of random parameter	Random parameter	Auto cycle time	Cycle time
(ALL)	**(ALL)**	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	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	374	374
	3	933	933
	4	769	769
Ac	**1**	925	925
	2	393	393
	3	475	475
Acf	**1**	1318	1318
	2	475	475
Af	**1**	1336	1336
	2	933	933
	3	769	769
B	**1**	297	297
	2	358	358
	3	377	377
	4	453	453
Bc	**1**	767	767
	2	1165	1165
	3	1012	1012
Bcf	**1**	1887	1887
	2	767	767
	3	1165	1165
	4	1012	1012
Bf	**1**	655	655
	2	830	830
C	**1**	574	574
	2	387	387
	3	141	141
Cf	**1**	637	637
	2	465	465

D	**1**	423	423
	2	440	440
	3	571	571
Dc	**1**	694	694
	2	1050	1050
	3	239	239
	4	594	594
Dcf	**1**	1295	1295
	2	1528	1528
	3	1050	1050
	4	239	239
	5	594	594
Df	**1**	863	863
	2	571	571
Dxp	**1**	1295	1295
	2	834	834
Ec	**1**	767	767
	2	679	679
	3	697	697
	4	422	422
Ecf	**1**	799	799
	2	1368	1368
	3	679	679
	4	1165	1165
Ef	**1**	882	882
	2	630	630
Exp	**1**	799	799
	2	601	601
F	**1**	235	235
	2	399	399
	3	380	380
Fc	**1**	831	831
	2	851	851
	3	884	884
Ff	**1**	634	634
	2	380	380
G	**1**	331	331
	2	345	345
Gf	**1**	331	331
	2	299	299
xA	**1**	942	942
	2	845	845
xB	**1**	1887	1887
xC	**1**	767	767
	2	734	734
xD	**1**	1295	1295
	2	834	834
xE	**1**	799	799
	2	601	601
xF	**1**	881	881
Cc1	**1**	825	825
E1	**1**	420	420
	2	462	462
Gf1	**1**	46	46
Cc2	**2**	1198	1198

	3	903	903
	4	1050	1050
	5	453	453
E2	**3**	331	331
	4	299	299
TC5	**2**	764	764
	3	845	845
	4	0	0
TC9	**1**	1181	1181
	2	901	901
	3	603	603
TC35	**1**	178	178
TC36	**1**	431	431
TC37	**1**	78	78
TC38	**1**	78	78
TC39	**2**	764	764
	3	845	845
TC40	**2**	842	842
	3	845	845
TC41	**1**	353	353
TC42	**1**	0	0
TC43	**1**	0	0
47	**1**	1501	1501
48	**1**	1102	1102
49	**1**	1441	1441
	2	1244	1244
50	**1**	1485	1485
51	**1**	1014	1014

Signals

Arm	Traffic Stream	Controller stream	Phase	Second phase enabled
A	**1**	771-2	E	
	2	771-2	E	
	3	771-2	E	
	4	771-2	E	
Ac	**1**	771-2	D	
	2	771-2	D	
	3	771-2	D	
B	**1**	769-1	B	
	2	769-1	B	
	3	769-1	B	
	4	769-1	B	
Bc	**1**	769-1	A	
	2	769-1	A	
	3	769-1	A	
C	**1**	769-2	G	
	2	769-2	G	
	3	769-2	G	
D	**1**	770-1	B	
	2	770-1	B	
	3	770-1	B	
Dc	**1**	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	

Dxp	**1**	770-2	D	
	2	770-2	D	
Ec	**1**	770-3	F	
	2	770-3	F	
	3	770-3	F	
	4	770-3	F	
Exp	**1**	770-4	L	
	2	770-4	L	
F	**1**	771-1	B	
	2	771-1	B	
	3	771-1	B	
Fc	**1**	771-1	A	
	2	771-1	A	
	3	771-1	A	
G	**1**	769-2	F	
	2	769-2	F	
Cc1	**1**	769-2	E	
E1	**1**	770-3	G	
	2	770-3	G	
Cc2	**2**	769-2	D	
	3	769-2	D	
	4	769-2	D	
	5	769-2	D	
E2	**3**	770-3	H	
	4	770-3	H	
TC5	**2**	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	**1**	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	**1**	TC777-1	A	
TC37	**1**	TC777-2	J	
TC41	**1**	TC777-1	D	
TC42	**1**	TC777-1	E	

Entry Sources

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

Sources

Arm	Traffic Stream	Source	Source traffic stream	Destination traffic stream	Cruise time for Normal Traffic (s)	Cruise speed for Normal Traffic (kph)	Auto turning radius	Traffic turn style	Turning radius (m)
A	**1**	**1**	Af/1	A/1	5.58	48.00	✓	Straight	Straight Movement

	2	**1**	Af/1	A/2	5.75	48.00	✓	Straight	Straight Movement
	3	**1**	Af/2	A/3	5.88	48.00	✓	Straight	Straight Movement
	4	**1**	Af/3	A/4	6.01	48.00	✓	Straight	Straight Movement
Ac	**1**	**1**	Acf/1	Ac/1	7.20	48.00	✓	Offside	48.59
	2	**1**	Acf/1	Ac/2	9.50	35.00	✓	Offside	46.08
	3	**1**	Acf/2	Ac/3	6.59	48.00	✓	Offside	42.76
Acf	**1**	**1**	F/2	Acf/1	5.21	48.00	✓	Straight	Straight Movement
	2	**1**	F/3	Acf/2	7.23	35.00	✓	Straight	Straight Movement
Af	**1**	**1**	TC42/1	Af/1	6.42	30.00	✓	Nearside	10.60
	2	**1**	TC42/1	Af/2	6.38	30.00	✓	Nearside	10.60
	3	**1**	TC42/1	Af/3	6.36	30.00	✓	Nearside	10.60
B	**1**	**1**	Bf/1	B/1	7.10	48.00	✓	Straight	Straight Movement
	2	**1**	Bf/1	B/2	7.29	48.00	✓	Straight	Straight Movement
	3	**1**	Bf/2	B/3	7.48	48.00	✓	Straight	Straight Movement
	4	**1**	Bf/2	B/4	12.29	30.00	✓	Straight	Straight Movement
Bc	**1**	**1**	Bcf/2	Bc/1	11.93	40.00	✓	Offside	50.93
	2	**1**	Bcf/3	Bc/2	11.80	40.00	✓	Offside	47.61
	3	**1**	Bcf/4	Bc/3	11.68	40.00	✓	Offside	44.30
Bcf	**1**	**1**	A/1	Bcf/1	4.71	48.00	✓	Nearside	68.54
	2	**1**	A/2	Bcf/2	6.64	34.00	✓	Nearside	71.86
	3	**1**	A/3	Bcf/3	6.62	34.00	✓	Nearside	75.17
	4	**1**	A/4	Bcf/4	6.61	34.00	✓	Nearside	78.48
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
Dc	**1**	**1**	Dcf/2	Dc/1	3.78	48.00	✓	Offside	55.36
	2	**1**	Dcf/3	Dc/2	3.63	48.00	✓	Offside	52.05
	3	**1**	Dcf/4	Dc/3	3.49	48.00	✓	Offside	48.73
	4	**1**	Dcf/5	Dc/4	3.34	48.00	✓	Offside	45.42
Dcf	**1**	**1**	Cc2/2	Dcf/1	4.97	48.00	✓	Straight	Straight Movement
	2	**1**	Cc2/4	Dcf/2	4.97	48.00	✓	Straight	Straight Movement
	3	**1**	Cc2/3	Dcf/3	5.17	48.00	✓	Straight	Straight Movement
	4	**1**	C/2	Dcf/4	5.03	48.00	✓	Nearside	59.37

	5	**1**	Cc2/5	Dcf/5	5.04	48.00	✓	Straight	Straight Movement
Dxp	**1**	**1**	Dcf/1	Dxp/1	3.48	48.00	✓	Nearside	79.47
	2	**1**	Dcf/2	Dxp/2	3.63	48.00	✓	Nearside	82.78
Ec	**1**	**1**	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42
	2	**1**	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	**1**	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	**1**	Ecf/4	Ec/4	3.44	48.00	✓	Offside	67.06
Ecf	**1**	**1**	Dc/1	Ecf/1	3.45	48.00	✓	Offside	76.11
	2	**1**	Dc/2	Ecf/2	3.48	48.00	✓	Offside	72.80
	3	**1**	Dc/3	Ecf/3	3.52	48.00	✓	Offside	69.49
	4	**1**	Dc/4	Ecf/4	3.78	48.00	✓	Offside	66.17
Exp	**1**	**1**	Ecf/1	Exp/1	3.89	48.00	✓	Nearside	52.96
	2	**1**	Ecf/2	Exp/2	4.03	48.00	✓	Nearside	56.27
F	**1**	**1**	Ff/1	F/1	6.38	48.00	✓	Straight	Straight Movement
	2	**1**	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement
	3	**1**	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	**1**	**1**	Ec/2	Fc/1	18.87	35.00	✓	Straight	Straight Movement
	2	**1**	Ec/3	Fc/2	18.69	35.00	✓	Straight	Straight Movement
	3	**1**	Ec/4	Fc/3	18.57	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	17.24	48.00	✓	Straight	Straight Movement
xB	**1**	**1**	Bcf/1	xB/1	5.79	48.00	✓	Nearside	59.55
xC	**1**	**1**	G/1	xC/1	8.67	48.00	✓	Straight	Straight Movement
	2	**1**	G/2	xC/2	8.70	48.00	✓	Straight	Straight Movement
xD	**1**	**1**	Dxp/1	xD/1	9.13	48.00	✓	Nearside	30.26
	2	**1**	Dxp/2	xD/2	9.21	48.00	✓	Nearside	33.58
xE	**1**	**1**	Exp/1	xE/1	13.04	48.00	✓	Straight	Straight Movement
	2	**1**	Exp/2	xE/2	13.04	48.00	✓	Straight	Straight Movement
xF	**1**	**1**	Ec/1	xF/1	12.19	48.00	✓	Straight	Straight Movement
Cc1	**1**	**1**	B/1	Cc1/1	8.64	40.00	✓	Straight	Straight Movement
E1	**1**	**1**	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	**1**	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96
Gf1	**1**	**1**	Ecf/4	Gf1/1	3.69	48.00	✓	Offside	25.08

Cc2	**2**	**1**	B/1	Cc2/2	8.32	40.00	✓	Straight	Straight Movement
	3	**1**	Bc/3	Cc2/3	5.96	54.00	✓	Straight	Straight Movement
	4	**1**	Bc/3	Cc2/4	5.95	54.00	✓	Straight	Straight Movement
	5	**1**	Bc/3	Cc2/5	5.92	54.00	✓	Offside	97.84
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
Acf	**1**	**2**	Fc/3	Acf/1	5.21	48.00	✓	Straight	Straight Movement
	2	**2**	Fc/3	Acf/2	7.23	35.00	✓	Straight	Straight Movement
Af	**1**	**2**	TC9/1	Af/1	6.42	30.00	✓	Straight	Straight Movement
	2	**2**	TC9/2	Af/2	6.38	30.00	✓	Straight	Straight Movement
	3	**2**	TC9/3	Af/3	6.36	30.00	✓	Straight	Straight Movement
Bcf	**1**	**2**	Ac/1	Bcf/1	3.97	57.00	✓	Offside	98.91
	2	**2**	Ac/2	Bcf/2	3.96	57.00	✓	Offside	95.59
	3	**2**	Ac/3	Bcf/3	3.95	57.00	✓	Offside	92.28
	4	**2**	Ac/3	Bcf/4	3.95	57.00	✓	Offside	92.28
C	**2**	**2**	Cf/1	C/2	14.73	30.00	✓	Offside	56.58
Dcf	**1**	**2**	C/1	Dcf/1	4.97	48.00	✓	Nearside	56.06
	2	**2**	C/1	Dcf/2	4.97	48.00	✓	Nearside	56.06
	3	**2**	C/2	Dcf/3	5.17	48.00	✓	Nearside	59.37
	4	**2**	Cc2/3	Dcf/4	8.04	30.00	✓	Straight	Straight Movement
	5	**2**	C/3	Dcf/5	5.04	48.00	✓	Nearside	62.69
Ecf	**1**	**2**	D/1	Ecf/1	3.45	48.00	✓	Nearside	43.36

	2	2	D/1	Ecf/2	3.48	48.00	✓	Nearside	43.36
	3	2	D/2	Ecf/3	3.52	48.00	✓	Nearside	46.68
	4	2	D/3	Ecf/4	3.78	48.00	✓	Nearside	49.99
Fc	1	2	E1/1	Fc/1	20.64	32.00	✓	Nearside	58.94
	2	2	E1/1	Fc/2	20.44	32.00	✓	Nearside	60.85
	3	2	E1/2	Fc/3	20.31	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	17.24	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	6.40	54.00	✓	Straight	Straight Movement
Cc2	2	2	Bc/2	Cc2/2	6.16	54.00	✓	Straight	Straight Movement
	3	2	B/3	Cc2/3	8.05	40.00	✓	Straight	Straight Movement
	4	2	B/2	Cc2/4	8.03	40.00	✓	Straight	Straight Movement
	5	2	B/4	Cc2/5	7.99	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	5.21	48.00	✓	Straight	Straight Movement
Af	1	3	TC41/1	Af/1	6.42	30.00	✓	Offside	6.19
	2	3	TC41/1	Af/2	6.38	30.00	✓	Offside	6.19
	3	3	TC41/1	Af/3	6.36	30.00	✓	Offside	6.19
Dcf	3	3	Cc2/4	Dcf/3	8.27	30.00	✓	Straight	Straight Movement
Ecf	4	3	D/2	Ecf/4	6.04	30.00	✓	Nearside	46.68
xA	2	3	Fc/1	xA/2	17.24	48.00	✓	Straight	Straight Movement
Cc2	2	3	B/2	Cc2/2	8.32	40.00	✓	Straight	Straight Movement
	4	3	Bc/2	Cc2/4	5.95	54.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

Traffic Stream	Description	Controlling type	Controlling traffic stream	Percentage opposing (%)	Slope coefficient	Upstream signals visible
1		TrafficStream	Gf/1	100	0.22	
		TrafficStream	Gf/2	100	0.22	

		TrafficStream	TC39/2	100	0.22	
		TrafficStream	TC39/3	100	0.22	

Pedestrian Crossings

Pedestrian Crossings

Crossing	Name	Description	Traffic node	Allow walk on red	Crossing type	Length (m)	Cruise time (seconds)	Cruise speed (kph)
1	(untitled)		3-2		Nearside	3.00	2.00	5.40
2	(untitled)		3		Nearside	3.00	2.00	5.40
3	(untitled)		4-2		Nearside	3.00	2.00	5.40
4	(untitled)		4		Nearside	3.00	2.00	5.40
5	(untitled)		4		Nearside	3.00	2.00	5.40
6	(untitled)		4		Nearside	3.00	2.00	5.40
7	(untitled)		5		Nearside	3.00	2.00	5.40
8	(untitled)		1		Nearside	3.00	2.00	5.40
9	(untitled)		2		Nearside	3.00	2.00	5.40
10	(untitled)		2		Nearside	3.00	2.00	5.40
11	(untitled)				Nearside	3.00	2.00	5.40
12	(untitled)		2		Nearside	3.00	2.00	5.40
13	(untitled)				Farside	3.00	2.00	5.40
14	(untitled)				Farside	3.00	2.00	5.40
15	(untitled)				Nearside	3.00	2.00	5.40
16	(untitled)				Nearside	3.00	2.00	5.40
17	(untitled)				Nearside	3.00	2.00	5.40

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	23	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	400
	24		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	25		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	32	I1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	105

	36		C28	E28	Df/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	0
	41		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	367
	42		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	43		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	44		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	45		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	1
	49	I1	C28	D28	Df/1, D/1, Ecf/2, Ec/1, xF/1	Normal	318
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	114
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	143
	86		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	106
	91	I2	C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	20
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	9
	96		A28	C28	50/1, Bf/1, B/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	97		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	98		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	99	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	46
	100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Normal	299
	101		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	239
	103		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
	104	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	414
	105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	0
	106		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	641
	107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	58
	108		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	122
	109	I3	C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	125
	110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	24
	111		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	78
	113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	126
	114		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	4
	116		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	25
	117		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	118		F28	C28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	35
	119		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	120		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	25
	121		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	3

	125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
	128		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/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	0
	131		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	132		H28	C28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	133		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	134		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	135		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	136		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	0
	138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	0
	139		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	140		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	141		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	142		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	144		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	145		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	146		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	147		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	0
	148		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
	149	l3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	331
	151		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0
	152		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	153		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	29
	154		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	130
	156		C28	G28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	157		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	158		B28	D28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	170
	159		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	47
	160		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	107
	161		B28	F28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	1

	162		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	163		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	19
	164		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	165		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	97
	167		B28	E28	48/1, Cf/1, C/1, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	473
	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	120
	170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	225
	171		G28	H28	49/1, TC9/1, TC43/1	Normal	0
	172		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Disabled	0
	173		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Disabled	0
	174		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Disabled	0
	175		G28	C28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	214
	176		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	177		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	148
	178		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	215
	179		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Disabled	0
	180		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	181		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	182		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	183		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	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	197
	187		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	161
	188		C28	B28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	189		C28	B28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	192		C28	B28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	193		C28	B28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
	194		C28	B28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
	195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	62
	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	118

	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	286
	200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	107
	201		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	92
	204		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	225
	205		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	12
	206		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	207		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	5
	208		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	209		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	210		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	450
	211		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	212		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	13
	213		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	309
	214		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	215		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	26
	216		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	217		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	218		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	219		A28	F28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	55
	220		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	221		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	222		A28	D28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
	223		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	224		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	225		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	226		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	227		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	228		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
	229		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	230		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	231		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	232		A28	H28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0

	233		B28	H28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	234	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	6
	235		E28	G28	Ef/1, E1/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	0
	236		E28	H28	Ef/1, E1/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	237		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	243		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	244		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	245		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	246		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	94
	247		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	248		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	45
	249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	250		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	251		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	252		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	7
	253		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	254		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	255	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	257		C28	H28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	258		C28	A28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	260		C28	A28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
	263		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	264		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	265		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
	266		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	0
	267		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Fixed	0
	268		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	269		G28	H28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	270		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	271		G28	B28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	272		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Disabled	0
	275		A28	B28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Disabled	0
	276		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0

	278		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
	279		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
	280		C28	B28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	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
	287		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	288		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	289		E28	D28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	290		E28	B28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	291		D28	F28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
	292		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	293		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
	294		D28	G28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	295		D28	H28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
	296		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	297		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	298		H28	G28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	299		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	300		H28	B28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	301		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
	302		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	303		F28	G28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	304		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
	305		F28	B28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
	306		G28	C28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	200
	307		G28	C28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	12
	308		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	47
	309		G28	D28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
	310		G28	E28	49/1, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	311		B28	D28	48/1, Cf/1, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	12
	312		B28	E28	48/1, Cf/1, C/2, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0

	313		B28	G28	48/1, Cf/1, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	39
	314		B28	F28	48/1, Cf/1, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	12
	315		B28	G28	48/1, Cf/1, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
	316		B28	H28	48/1, Cf/1, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	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	314	2050	20	718	44	106	23.90	3.89	30.11	29.48
		2	(untitled)	E	119	2050	20	119	100	-10	482.94	16.58	124.31	488.69
		3	(untitled)	E	251	2050	20	251	100	-10	252.72	19.05	139.69	258.60
		4	(untitled)	E	210	2050	20	210	100	-10	330.22	20.67	148.28	336.23
	Ac	1	(untitled)	D	925	2263	30	1169	79	14	26.50	13.94	83.55	33.69
		2	(untitled)	D	393	2263	30	1085	36	149	1.11	1.79	11.16	10.62
		3	(untitled)	D	474	2263	30	1163	41	121	4.93	2.46	16.08	11.53
	Acf	1	(untitled)		1318	2263	60	2263	58	55	1.11	0.41	3.36	6.32
		2	(untitled)		474	2263	60	2263	21	330	0.21	0.03	0.23	7.44
	Af	1	(untitled)		449	2050	60	432	104	-13	148.84	22.18	238.20	155.26
		2	(untitled)		251	2050	60	251	100	-10	212.98	16.15	174.57	219.37
		3	(untitled)		209	2050	60	210	100	-10	247.61	15.33	166.23	253.97
	B	1	(untitled)	B	297	2050	34	1196	25	262	6.60	2.39	14.49	13.70
		2	(untitled)	B	358	2150	34	1250	29	214	6.86	2.76	16.33	14.15
		3	(untitled)	B	377	2100	34	1221	31	191	7.05	2.91	16.78	14.53

	4	(untitled)	B	453	2050	34	1196	38	138	7.60	3.76	21.14	19.90
Bc	1	(untitled)	A	512	2050	14	512	100	-10	188.46	32.09	139.21	200.38
	2	(untitled)	A	482	2050	14	482	100	-10	203.33	31.76	139.23	215.14
	3	(untitled)	A	451	2050	14	451	100	-10	213.36	31.41	139.18	225.04
Bcf	1	(untitled)		1214	2263	60	2263	54	68	0.92	0.31	2.84	5.06
	2	(untitled)		512	2263	60	512	100	-10	114.19	19.62	179.99	118.77
	3	(untitled)		482	2263	60	482	100	-10	119.00	19.71	181.17	124.35
	4	(untitled)		453	2263	60	451	100	-10	129.85	20.08	184.80	135.04
Bf	1	(untitled)		655	1800	60	1800	36	147	0.57	0.10	0.26	27.91
	2	(untitled)		830	1800	60	1800	46	95	0.85	0.20	0.50	28.27
C	1	(untitled)	G	574	2100	18	665	86	4	35.28	10.76	51.07	49.81
	2	(untitled)	G	388	2200	18	697	56	62	20.33	5.41	25.36	35.05
	3	(untitled)	G	141	2050	18	649	22	314	15.81	1.71	7.93	30.74
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	18	649	65	38	22.79	5.96	62.26	26.91
	2	(untitled)	B	440	1850	18	586	75	20	27.42	6.68	69.79	31.55
	3	(untitled)	B	571	2250	18	713	80	12	28.15	8.45	91.86	32.11
Dc	1	(untitled)	A	664	2100	32	1155	57	57	6.64	3.58	40.91	10.42
	2	(untitled)	A	698	2100	32	1155	60	49	15.01	7.37	87.44	18.64
	3	(untitled)	A	220	2100	32	1155	19	372	4.06	2.34	28.96	7.55
	4	(untitled)	A	594	2100	32	1155	51	75	14.49	6.97	89.92	17.83
Dcf	1	(untitled)		654	2050	60	2050	32	182	0.41	0.07	0.65	5.38
	2	(untitled)		1301	2100	60	2100	62	45	1.39	0.50	4.36	6.36
	3	(untitled)		694	2100	60	1629	43	111	2.15	2.48	20.72	7.32
	4	(untitled)		220	2100	60	2100	10	758	0.10	0.01	0.05	5.96
	5	(untitled)		594	2100	60	1747	34	165	1.80	2.74	23.45	6.84
Df	1	(untitled)		863	1900	60	1900	45	98	0.79	0.19	0.54	24.79
	2	(untitled)		571	2250	60	1929	30	204	0.88	1.81	5.19	24.88
Dxp	1	(untitled)	D	654	2050	42	1469	45	102	2.33	1.49	18.48	5.80
	2	(untitled)	D	637	2050	42	1469	43	108	0.99	0.22	2.61	4.62
Ec	1	(untitled)	F	595	2150	28	1039	57	57	9.91	5.81	66.72	13.67

		2	(untitled)	F	660	2263	28	1094	60	49	12.84	6.05	71.88	16.47
		3	(untitled)	F	697	2263	28	1094	64	41	14.73	7.50	92.20	18.24
		4	(untitled)	F	422	2250	28	1088	39	132	10.83	2.51	31.45	14.27
	Ecf	**1**	(untitled)		769	2100	60	2100	37	146	0.49	0.11	1.32	3.94
		2	(untitled)		1016	2100	60	2100	48	86	0.80	0.23	2.81	4.28
		3	(untitled)		660	2263	60	2263	29	209	0.33	0.06	0.74	3.85
		4	(untitled)		1165	2300	60	1613	72	25	6.04	5.74	65.56	9.82
	Ef	**1**	(untitled)		882	1900	60	1900	46	94	0.82	0.20	0.91	16.13
		2	(untitled)		630	1900	60	1900	33	171	0.47	0.08	0.37	15.78
	Exp	**1**	(untitled)	L	766	2050	41	1435	53	69	3.01	4.94	54.85	6.90
		2	(untitled)	L	421	2050	41	1435	29	207	0.52	0.06	0.65	4.55
	F	**1**	(untitled)	B	235	2100	14	525	45	101	21.78	3.25	21.95	28.17
		2	(untitled)	B	399	2100	14	525	76	18	31.38	6.65	44.58	37.81
		3	(untitled)	B	379	2100	14	525	72	25	29.30	6.12	40.35	35.84
	Fc	**1**	(untitled)	A	812	2263	36	1396	58	55	10.39	8.17	25.60	29.59
		2	(untitled)	A	851	2263	36	1315	65	39	14.26	12.24	38.75	33.26
		3	(untitled)	A	884	2263	36	1318	67	34	6.75	12.00	38.24	26.23
	Ff	**1**	(untitled)		634	1900	60	1900	33	170	0.47	0.08	0.17	33.56
		2	(untitled)		379	1900	60	1900	20	351	0.24	0.02	0.05	33.28
	G	**1**	(untitled)	F	331	2050	18	624	53	70	27.43	5.38	19.90	43.41
		2	(untitled)	F	345	2050	18	627	55	63	11.02	4.99	18.89	22.41
	Gf	**1**	(untitled)		331	2050	60	2050	16	457	0.17	0.02	0.22	3.21
		2	(untitled)		299	2050	60	2050	15	517	0.15	0.01	0.18	3.15
	xA	**1**	(untitled)		923	2263	60	2263	41	121	0.55	0.14	0.35	17.76
		2	(untitled)		845	2263	60	2220	38	136	1.00	9.42	23.57	18.24
	xB	**1**	(untitled)		1214	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
	xC	**1**	(untitled)		667	1900	60	752	89	1	24.97	8.07	40.13	33.64
		2	(untitled)		578	1900	60	817	71	27	11.02	7.81	38.74	19.72
	xD	**1**	(untitled)		654	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
		2	(untitled)		637	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
	xE	**1**	(untitled)		766	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
		2	(untitled)		421	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04

xF	**1**	(untitled)		709	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
Cc1	**1**	(untitled)	E	570	2050	27	957	60	51	6.93	13.37	80.05	13.56
E1	**1**	(untitled)	G	420	2050	21	752	56	61	18.17	5.36	38.52	24.17
	2	(untitled)	G	462	2200	21	807	57	57	18.22	5.84	41.96	24.22
Gf1	**1**	(untitled)		46	672	60	672	7	1214	0.49	0.05	0.53	4.18
Cc2	**2**	(untitled)	D	557	2150	28	1031	54	67	5.83	2.79	17.36	12.91
	3	(untitled)	D	526	2050	28	991	53	69	8.93	3.85	24.77	16.38
	4	(untitled)	D	824	2150	28	1025	80	12	13.80	13.56	87.40	20.65
	5	(untitled)	D	453	2050	28	991	46	97	10.75	3.59	23.24	18.74
E2	**3**	(untitled)	H	331	2150	21	777	43	111	16.08	3.84	41.40	20.07
	4	(untitled)	H	299	2050	21	752	40	126	15.68	3.45	36.55	19.75
TC5	**2**	(untitled)	A	765	2263	38	1509	51	77	2.35	1.71	42.70	5.11
	3	(untitled)	A	845	2263	38	1509	56	61	3.63	3.25	81.28	6.39
	4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
TC9	**1**	(untitled)	B	371	1925	39	1348	28	227	3.77	3.33	20.90	14.78
	2	(untitled)	B	236	1966	39	236	100	-10	325.30	23.18	144.52	336.37
	3	(untitled)	B	146	1947	39	227	64	40	36.15	2.27	14.09	47.27
TC35	**1**	(untitled)	A	158	1900	38	1267	12	623	5.06	1.46	34.71	7.96
TC36	**1**	(untitled)		431	1800	60	207	208	-57	948.36	117.98	2689.55	951.39
TC37	**1**	(untitled)	J	37	1850	42	1326	3	3147	0.05	0.00	0.01	3.24
TC38	**1**	(untitled)		37	435	60	435	8	966	3.75	2.42	65.25	5.29
TC39	**2**	(untitled)		765	2263	60	2263	34	166	0.41	0.09	1.41	2.94
	3	(untitled)		845	2263	60	2263	37	141	0.47	0.11	1.92	2.87
TC40	**2**	(untitled)		802	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
	3	(untitled)		845	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
TC41	**1**	(untitled)	D	166	1850	11	166	100	-10	274.50	13.23	139.26	278.43
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)		1246	1300	60	1300	96	-6	23.72	8.21	35.31	39.76
48	**1**	(untitled)		1103	1965	60	1965	56	60	1.17	0.36	3.74	7.78
49	**1**	(untitled)		1440	1900	60	453	318	-72	1237.39	501.22	10981.92	1240.54
	2	(untitled)		1244	1900	60	303	410	-78	1364.25	479.11	10497.40	1367.39

	50	**1**	(untitled)		1485	1900	60	1900	78	15	3.35	1.38	16.53	9.13
	51	**1**	(untitled)		1013	1900	60	1900	53	69	1.08	0.30	4.66	5.58

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	10	20	10	1	7
	2	✓	2	B	31	5	34	1	7
769-2	**1**	✓	4	D,E,H,I	19	38	19	1	1
	2	✓	5	F,G,J,K	52	4	12	1	7
770-1	**1**	✓	1	A,C	51	21	30	1	5
	2	✓	2	B	28	46	18	1	7
770-2	**1**	✓	4	D	20	2	42	1	7
	2	✓	5	E	7	13	6	1	5
770-3	**1**	✓	7	F,I,J	16	39	23	1	2
	2	✓	9	G,H	50	4	14	1	1
770-4	**1**	✓	11	L	54	35	41	1	7
	2	✓	12	M	40	47	7	1	6
771-1	**1**	✓	1	A,C	3	33	30	1	9
	2	✓	3	B	44	58	14	1	7
771-2	**1**	✓	5	D	49	19	30	1	7
	2	✓	6	E	24	44	20	1	7
TC777-1	**1**	✓	1	A,B,F	20	58	38	1	7
	2	✓	5	D,H,I	5	14	9	1	6
TC777-2	**1**	✓	1	J	3	45	42	1	7
	2	✓	2	K	50	58	8	1	5

Data Entry - Phase

Phase

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

770-3	F	F	7	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	4	300	0	0	Traffic
	I	I	5	300	0	0	Pedestrian
	J	J	5	300	0	0	Pedestrian
	K	K	10	300	0	0	Pedestrian
770-4	L	L	7	300	0	0	Traffic
	M	M	6	300	0	0	Pedestrian
771-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	9	300	0	0	Pedestrian
771-2	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
TC777-1	A	A	7	300	0	1	Traffic
	B	B	7	300	0	2	Traffic
	C	C	7	300	0	0	Traffic
	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	5	300	0	0	Pedestrian
	G	G	7	300	0	0	Pedestrian
	H	H	6	300	0	0	Pedestrian
	I	I	5	300	0	0	Pedestrian
TC777-2	J	J	7	300	0	0	Traffic
	K	K	5	300	0	0	Pedestrian

Data Entry - Traffic Stream

Traffic Stream

Arm	Traffic Stream	Auto length	Length (m)	Traffic model	Max queue storage (PCU)	Traffic type	Has Saturation Flow	Is signal controlled	Is give way	Saturation flow source	Saturation flow (PCU/hr)	Delay weighting multiplier (%)	Stop weighting multiplier (%)
A	1	✓	74.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	76.70	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	78.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	4	✓	80.14	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ac	1	✓	95.94	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	2	✓	92.39	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
	3	✓	87.91	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	500
Acf	1	✓	69.45	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	70.32	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Af	1	✓	53.54	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	53.19	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	53.01	CTM	0.00	Normal	✓			Directly entered	2050	100	100
B	1	✓	94.67	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100

	2	✓	97.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	99.69	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	4	✓	102.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Bc	**1**	✓	132.53	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	2	✓	131.15	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	3	✓	129.77	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
Bcf	**1**	✓	62.79	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	62.68	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.56	CTM	0.00	Normal	✓			Directly entered	2263	100	500
	4	✓	62.47	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Bf	**1**	✓	227.81	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
	2	✓	228.44	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
C	**1**	✓	121.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	122.73	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Cf	**1**	✓	144.60	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
	2	✓	145.86	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
D	**1**		55.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2		55.00	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
	3	✓	52.87	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	100
Dc	**1**	✓	50.38	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	3	✓	46.49	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
	4	✓	44.54	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	500
Dcf	**1**	✓	66.24	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	66.21	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	68.90	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	67.02	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	67.20	CTM	0.00	Normal	✓			Directly entered	2100	100	500
Df	**1**		200.00	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
	2		200.00	NetworkDefault	0.00	Normal	✓			Directly entered	2250	100	100
Dxp	**1**	✓	46.33	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100

	2	✓	48.35	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	✓	45.93	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	✓	46.93	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	50.37	CTM	0.00	Normal	✓			Directly entered	2300	100	100
Ef	**1**	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	**1**	✓	51.83	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.71	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	**1**	✓	85.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	87.25	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
Fc	**1**	✓	183.42	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	2	✓	181.66	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	180.50	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	100
	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**	✓	229.56	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	229.83	CTM	0.00	Normal	✓			Directly entered	2263	100	100
xB	**1**	✓	77.15	NetworkDefault	0.00	Normal						100	100
xC	**1**	✓	115.60	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
	2	✓	115.98	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
xD	**1**	✓	121.71	NetworkDefault	0.00	Normal						100	100
	2	✓	122.74	NetworkDefault	0.00	Normal						100	100

xE	**1**	✓	173.89	NetworkDefault	0.00	Normal						100	100
	2	✓	173.83	NetworkDefault	0.00	Normal						100	100
xF	**1**	✓	162.53	NetworkDefault	0.00	Normal						100	100
Cc1	**1**	✓	96.01	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E1	**1**		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
Gf1	**1**	✓	49.26	NetworkDefault	0.00	Normal			✓			100	100
Cc2	**2**	✓	92.40	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	3	✓	89.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
	4	✓	89.19	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	500
	5	✓	88.82	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	500
E2	**3**	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
TC5	**2**	✓	23.03	CTM	0.00	Normal	✓	✓		Sum of lanes	2263	100	100
	3	✓	23.02	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	4	✓	24.43	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
TC9	**1**	✓	91.71	CTM	0.00	Normal	✓	✓		Directly entered	1925	100	100
	2	✓	92.21	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

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	30	0.00	0.00
		2	0	0	30	0.00	0.00
	3	1	0	0	7	0.00	0.00
		2	0	0	7	0.00	0.00
	4	1	0	0	27	0.00	0.00
		2	0	0	27	0.00	0.00
	5	1	0	0	27	0.00	0.00
		2	0	0	27	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	30	0.00	0.00
		2	0	0	30	0.00	0.00
	8	1	0	0	10	0.00	0.00
		2	0	0	10	0.00	0.00
	9	1	0	0	15	0.00	0.00
		2	0	0	15	0.00	0.00
	10	1	0	0	20	0.00	0.00
		2	0	0	20	0.00	0.00
	11	1	0	0	25	0.00	0.00
		2	0	0	25	0.00	0.00
	12	1	0	0	25	0.00	0.00
		2	0	0	25	0.00	0.00
	13	1	0	0	11	0.00	0.00
		2	0	0	11	0.00	0.00
	14	1	0	0	39	0.00	0.00
		2	0	0	39	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	9	0.00	0.00
		2	0	0	9	0.00	0.00
	17	1	0	0	8	0.00	0.00
		2	0	0	8	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**	201.3	128.4	91.5	138.1	124.0	168.5	198.4	0.0
	B28	163.7	0.0	103.5	105.0	108.7	149.3	164.8	0.0
	C28	148.7	142.9	0.0	79.7	85.4	125.5	135.3	0.0
	D28	113.2	496.2	481.4	0.0	519.2	102.1	110.5	0.0
	E28	123.4	138.9	486.4	52.5	537.9	85.4	93.7	0.0
	F28	1415.7	2214.4	2137.9	2230.2	2214.9	0.0	964.1	0.0
	G28	1453.9	2306.5	2488.1	2465.0	2453.6	2493.5	0.0	0.0
	H28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Normal journey dist (m)	Bus journeydist (m)	Tram journey dist (m)	Pedestrian journey dist (m)	Calculated Total Flow (PCU/hr)	Avg journey time (s)	Avg journey dist (m)
23	C28	A28	400	148.69	835.00	0.00	0.00	0.00	400	148.69	835.00
24	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
25	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
32	C28	E28	105	85.39	526.66	0.00	0.00	0.00	105	85.39	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	367	123.05	693.38	0.00	0.00	0.00	367	123.05	693.38
42	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
43	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
44	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
45	E28	E28	1	537.85	1219.18	0.00	0.00	0.00	1	537.85	1219.18
49	C28	D28	318	79.68	514.00	0.00	0.00	0.00	318	79.68	514.00
50	E28	D28	114	52.48	370.08	0.00	0.00	0.00	114	52.48	370.08
68	E28	G28	143	93.45	737.54	0.00	0.00	0.00	143	93.45	737.54
86	F28	D28	106	2230.17	870.99	0.00	0.00	0.00	106	2230.17	870.99
91	C28	F28	20	125.45	787.50	0.00	0.00	0.00	20	125.45	787.50
92	E28	F28	9	85.39	644.68	0.00	0.00	0.00	9	85.39	644.68
96	A28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
97	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
98	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
99	C28	B28	46	142.93	753.91	0.00	0.00	0.00	46	142.93	753.91
100	E28	B28	299	121.54	623.35	0.00	0.00	0.00	299	121.54	623.35
101	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
102	A28	C28	239	88.52	697.30	0.00	0.00	0.00	239	88.52	697.30
103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
104	C28	G28	414	133.51	880.36	0.00	0.00	0.00	414	133.51	880.36
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
106	G28	C28	641	2529.28	770.46	0.00	0.00	0.00	641	2529.28	770.46
107	A28	B28	58	128.41	716.24	0.00	0.00	0.00	58	128.41	716.24
108	B28	G28	122	173.78	1057.83	0.00	0.00	0.00	122	173.78	1057.83
109	C28	G28	125	141.42	873.63	0.00	0.00	0.00	125	141.42	873.63
110	E28	G28	24	95.48	731.16	0.00	0.00	0.00	24	95.48	731.16
111	B28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
112	F28	G28	78	964.14	149.60	0.00	0.00	0.00	78	964.14	149.60
113	F28	A28	126	1415.74	347.68	0.00	0.00	0.00	126	1415.74	347.68
114	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

115	B28	C28	4	104.03	558.16	0.00	0.00	0.00	4	104.03	558.16
116	F28	C28	25	2079.36	731.85	0.00	0.00	0.00	25	2079.36	731.85
117	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
118	F28	C28	35	2189.34	731.73	0.00	0.00	0.00	35	2189.34	731.73
119	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
120	F28	E28	25	2214.91	885.91	0.00	0.00	0.00	25	2214.91	885.91
121	A28	A28	3	201.33	1161.69	0.00	0.00	0.00	3	201.33	1161.69
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
128	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
130	G28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
131	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
132	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
133	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
134	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
135	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
136	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
137	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
138	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
139	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
140	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
141	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
142	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
143	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
144	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
145	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
146	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
147	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
148	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
149	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
150	E28	B28	331	154.56	625.89	0.00	0.00	0.00	331	154.56	625.89
151	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
152	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
153	F28	B28	29	2214.36	750.53	0.00	0.00	0.00	29	2214.36	750.53
154	E28	A28	130	124.34	694.55	0.00	0.00	0.00	130	124.34	694.55
156	C28	G28	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	B28	D28	170	104.97	700.04	0.00	0.00	0.00	170	104.97	700.04
159	B28	E28	47	96.63	714.96	0.00	0.00	0.00	47	96.63	714.96
160	B28	G28	107	157.36	1062.58	0.00	0.00	0.00	107	157.36	1062.58
161	B28	F28	1	149.30	969.72	0.00	0.00	0.00	1	149.30	969.72
162	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
163	B28	A28	19	163.71	1019.20	0.00	0.00	0.00	19	163.71	1019.20
164	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
165	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
166	B28	C28	97	103.44	555.14	0.00	0.00	0.00	97	103.44	555.14
167	B28	E28	473	109.92	709.11	0.00	0.00	0.00	473	109.92	709.11
168	G28	A28	836	1453.89	385.78	0.00	0.00	0.00	836	1453.89	385.78
169	G28	B28	120	2316.79	788.63	0.00	0.00	0.00	120	2316.79	788.63
170	G28	B28	225	2301.04	789.01	0.00	0.00	0.00	225	2301.04	789.01
171	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
172	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
173	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
174	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
175	G28	C28	214	2419.45	770.81	0.00	0.00	0.00	214	2419.45	770.81
176	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
177	G28	D28	148	2465.00	910.07	0.00	0.00	0.00	148	2465.00	910.07

178	G28	E28	215	2449.29	924.99	0.00	0.00	0.00	215	2449.29	924.99
179	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
180	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
181	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
182	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
183	B28	B28	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	197	95.13	699.63	0.00	0.00	0.00	197	95.13	699.63
187	A28	E28	161	125.35	850.58	0.00	0.00	0.00	161	125.35	850.58
188	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
189	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
192	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
193	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
194	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
195	D28	G28	62	110.11	744.89	0.00	0.00	0.00	62	110.11	744.89
196	D28	F28	55	102.08	652.03	0.00	0.00	0.00	55	102.08	652.03
197	D28	G28	118	110.77	740.27	0.00	0.00	0.00	118	110.77	740.27
198	D28	A28	6	113.16	704.26	0.00	0.00	0.00	6	113.16	704.26
199	D28	B28	286	500.16	1101.21	0.00	0.00	0.00	286	500.16	1101.21
200	D28	B28	107	485.72	1101.58	0.00	0.00	0.00	107	485.72	1101.58
201	D28	C28	92	466.97	1078.73	0.00	0.00	0.00	92	466.97	1078.73
204	D28	C28	225	488.11	1077.08	0.00	0.00	0.00	225	488.11	1077.08
205	D28	E28	12	520.36	1228.03	0.00	0.00	0.00	12	520.36	1228.03
206	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
207	D28	E28	5	516.51	1231.25	0.00	0.00	0.00	5	516.51	1231.25
208	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
209	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
210	A28	G28	450	198.37	1200.32	0.00	0.00	0.00	450	198.37	1200.32
211	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
212	A28	D28	13	138.10	842.02	0.00	0.00	0.00	13	138.10	842.02
213	A28	E28	309	123.27	856.94	0.00	0.00	0.00	309	123.27	856.94
214	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
215	G28	F28	26	2493.53	1179.75	0.00	0.00	0.00	26	2493.53	1179.75
216	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
217	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
218	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
219	A28	F28	55	168.52	1111.71	0.00	0.00	0.00	55	168.52	1111.71
220	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
221	F28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
222	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
223	A28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
224	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
225	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
226	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
227	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
228	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
229	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
230	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
231	A28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
232	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
233	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
234	C28	G28	6	134.27	875.74	0.00	0.00	0.00	6	134.27	875.74
235	E28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
236	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
237	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
243	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

244	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
245	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
246	E28	C28	94	486.37	1066.47	0.00	0.00	0.00	94	486.37	1066.47
247	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
248	D28	C28	45	477.83	1078.54	0.00	0.00	0.00	45	477.83	1078.54
249	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
250	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
251	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
252	F28	C28	7	2090.27	731.66	0.00	0.00	0.00	7	2090.27	731.66
253	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
254	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
255	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
257	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
258	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
260	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
263	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
264	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
265	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
266	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
267	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
268	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
269	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
270	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
271	G28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
272	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
275	A28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
276	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
278	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
279	C28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
280	C28	B28	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
287	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
288	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
289	E28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
290	E28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
291	D28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
292	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
293	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
294	D28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
295	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
296	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
297	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
298	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
299	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
300	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
301	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
302	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
303	F28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
304	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
305	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
306	G28	C28	200	2432.54	770.46	0.00	0.00	0.00	200	2432.54	770.46
307	G28	C28	12	2443.31	770.27	0.00	0.00	0.00	12	2443.31	770.27
308	G28	E28	47	2472.94	921.22	0.00	0.00	0.00	47	2472.94	921.22

309	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
310	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
311	B28	D28	12	104.97	698.78	0.00	0.00	0.00	12	104.97	698.78
312	B28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
313	B28	G28	39	157.37	1061.32	0.00	0.00	0.00	39	157.37	1061.32
314	B28	F28	12	149.31	968.47	0.00	0.00	0.00	12	149.31	968.47
315	B28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
316	B28	H28	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	314	2050	20	5.00	44	106	29.48	23.90	301.21	3.89	100	100	0.00	37.46
	2	(untitled)	6	771-2	E	119 <	2050	20	17.53	100	-10	488.69	482.94	309.47	16.58 +	100	100	0.00	237.66
	3	(untitled)	6	771-2	E	251 <	2050	20	13.65	100	-10	258.60	252.72	274.57	19.05 +	100	100	0.00	272.32
	4	(untitled)	6	771-2	E	210 <	2050	20	14.86	100	-10	336.23	330.22	308.07	20.67 +	100	100	0.00	294.01
Ac	**1**	(untitled)	6	771-2	D	925	2263	30	6.00	79	14	33.69	26.50	91.53	13.94	100	500	0.00	232.56
	2	(untitled)	6	771-2	D	393	2263	30	18.23	36	149	10.62	1.11	6.40	1.79	100	500	0.00	3.87
	3	(untitled)	6	771-2	D	474	2263	30	13.17	41	121	11.53	4.93	21.81	2.46	100	500	0.00	25.81
Acf	**1**	(untitled)	6			1318	2263	60	13.00	58	55	6.32	1.11	0.00	0.41	100	100	0.00	5.76
	2	(untitled)	6			474	2263	60	24.00	21	330	7.44	0.21	0.00	0.03	100	100	0.00	0.39
Af	**1**	(untitled)	6			449 <	2050	60	47.35	104	-13	155.26	148.84	232.38	22.18 +	100	100	0.00	276.10
	2	(untitled)	6			251 <	2050	60	52.65	100	-10	219.37	212.98	203.62	16.15 +	100	100	0.00	217.40
	3	(untitled)	6			209 <	2050	60	53.86	100	-10	253.97	247.61	211.21	15.33 +	100	100	0.00	209.92
B	**1**	(untitled)	1	769-1	B	297	2050	34	0.00	25	262	13.70	6.60	43.02	2.39	100	100	0.00	11.83
	2	(untitled)	1	769-1	B	358	2150	34	0.12	29	214	14.15	6.86	45.56	2.76	100	100	0.00	14.92
	3	(untitled)	1	769-1	B	377	2100	34	0.12	31	191	14.53	7.05	45.84	2.91	100	100	0.00	16.03
	4	(untitled)	1	769-1	B	453	2050	34	0.00	38	138	19.90	7.60	49.85	3.76	100	100	0.00	16.42

Bc	**1**	(untitled)	1	769-1	A	512 <	2050	14	0.03	100	-10	200.38	188.46	321.97	32.09 +	100	500	86034.33	86598.19
	2	(untitled)	1	769-1	A	482 <	2050	14	0.89	100	-10	215.14	203.33	321.47	31.76 +	100	500	83433.41	83992.45
	3	(untitled)	1	769-1	A	451 <	2050	14	1.80	100	-10	225.04	213.36	335.63	31.41 +	100	500	79850.39	80398.13
Bcf	**1**	(untitled)	1			1214	2263	60	19.00	54	68	5.06	0.92	0.00	0.31	100	100	0.00	4.40
	2	(untitled)	1			512 <	2263	60	46.44	100	-10	118.77	114.19	1983.3	19.62 +	100	100	0.00	269.49
	3	(untitled)	1			482 <	2263	60	47.22	100	-10	124.35	119.00	2069.1	19.71 +	100	500	68845.96	69221.89
	4	(untitled)	1			453 <	2263	60	48.04	100	-10	135.04	129.85	2153.0	20.08 +	100	100	0.00	262.78
Bf	**1**	(untitled)	1			655	1800	60	0.00	36	147	27.91	0.57	0.00	0.10	100	100	0.00	1.48
	2	(untitled)	1			830	1800	60	0.00	46	95	28.27	0.85	0.00	0.20	100	100	0.00	2.80
C	**1**	(untitled)	2	769-2	G	574	2100	18	0.00	86	4	49.81	35.28	1107.6	10.76	100	100	0.00	87.84
	2	(untitled)	2	769-2	G	388	2200	18	0.00	56	62	35.05	20.33	83.64	5.41	100	100	0.00	35.18
	3	(untitled)	2	769-2	G	141	2050	18	0.00	22	314	30.74	15.81	72.92	1.71	100	100	0.00	10.08
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	18	0.00	65	38	26.91	22.79	83.91	5.96	100	100	0.00	49.41
	2	(untitled)	3	770-1	B	440	1850	18	0.00	75	20	31.55	27.42	90.27	6.68	100	100	0.00	60.35
	3	(untitled)	3	770-1	B	571	2250	18	0.00	80	12	32.11	28.15	88.10	8.45	100	100	0.00	79.55
Dc	**1**	(untitled)	3	770-1	A	664	2100	32	8.00	57	57	10.42	6.64	32.03	3.58	100	500	0.00	51.53
	2	(untitled)	3	770-1	A	698	2100	32	5.00	60	49	18.64	15.01	66.34	7.37	100	500	0.00	115.63
	3	(untitled)	3	770-1	A	220	2100	32	12.00	19	372	7.55	4.06	27.15	2.34	100	500	0.00	13.12
	4	(untitled)	3	770-1	A	594	2100	32	5.00	51	75	17.83	14.49	72.67	6.97	100	500	0.00	103.22
Dcf	**1**	(untitled)	3			654	2050	60	18.00	32	182	5.38	0.41	0.00	0.07	100	100	0.00	1.06
	2	(untitled)	3			1301	2100	60	14.00	62	45	6.36	1.39	0.00	0.50	100	100	0.00	7.13
	3	(untitled)	3			694	2100	60	26.46	43	111	7.32	2.15	11.94	2.48	100	100	0.00	8.58
	4	(untitled)	3			220	2100	60	28.00	10	758	5.96	0.10	0.00	0.01	100	100	0.00	0.09
	5	(untitled)	3			594	2100	60	31.09	34	165	6.84	1.80	21.64	2.74	100	500	0.00	24.84
Df	**1**	(untitled)	3-2			863	1900	60	0.00	45	98	24.79	0.79	0.00	0.19	100	100	0.00	2.68
	2	(untitled)	3-2			571	2250	60	8.55	30	204	24.88	0.88	13.72	1.81	100	100	0.00	2.97
Dxp	**1**	(untitled)	3-2	770-2	D	654	2050	42	7.00	45	102	5.80	2.33	13.20	1.49	100	100	0.00	8.78
	2	(untitled)	3-2	770-2	D	637	2050	42	11.00	43	108	4.62	0.99	2.03	0.22	100	100	0.00	2.90

Ec	**1**	(untitled)	4	770-3	F	595	2150	28	9.00	57	57	13.67	9.91	57.70	5.81	100	500	0.00	78.42
	2	(untitled)	4	770-3	F	660	2263	28	9.00	60	49	16.47	12.84	55.48	6.05	100	500	0.00	92.16
	3	(untitled)	4	770-3	F	697	2263	28	2.00	64	41	18.24	14.73	64.48	7.50	100	500	0.00	112.62
	4	(untitled)	4	770-3	F	422	2250	28	11.00	39	132	14.27	10.83	36.55	2.51	100	500	0.00	42.78
Ecf	**1**	(untitled)	4			769	2100	60	16.00	37	146	3.94	0.49	0.17	0.11	100	100	0.00	1.54
	2	(untitled)	4			1016	2100	60	13.00	48	86	4.28	0.80	0.00	0.23	100	100	0.00	3.22
	3	(untitled)	4			660	2263	60	20.00	29	209	3.85	0.33	0.00	0.06	100	100	0.00	0.85
	4	(untitled)	4			1165	2300	60	24.91	72	25	9.82	6.04	24.67	5.74	100	100	0.00	36.99
Ef	**1**	(untitled)	4			882	1900	60	0.00	46	94	16.13	0.82	0.00	0.20	100	100	0.00	2.85
	2	(untitled)	4			630	1900	60	0.00	33	171	15.78	0.47	0.00	0.08	100	100	0.00	1.17
Exp	**1**	(untitled)	4-2	770-4	L	766	2050	41	12.00	53	69	6.90	3.01	16.77	4.94	100	100	0.00	13.22
	2	(untitled)	4-2	770-4	L	421	2050	41	23.00	29	207	4.55	0.52	0.00	0.06	100	100	0.00	0.86
F	**1**	(untitled)	5	771-1	B	235	2100	14	0.00	45	101	28.17	21.78	82.87	3.25	100	100	0.00	26.44
	2	(untitled)	5	771-1	B	399	2100	14	0.00	76	18	37.81	31.38	99.03	6.65	100	100	0.00	62.07
	3	(untitled)	5	771-1	B	379	2100	14	0.00	72	25	35.84	29.30	95.97	6.12	100	100	0.00	55.48
Fc	**1**	(untitled)	5	771-1	A	812	2263	36	3.00	58	55	29.59	10.39	61.60	8.17	100	100	0.00	41.54
	2	(untitled)	5	771-1	A	851	2263	36	5.12	65	39	33.26	14.26	67.94	12.24	100	100	0.00	57.44
	3	(untitled)	5	771-1	A	884	2263	36	7.05	67	34	26.23	6.75	59.00	12.00	100	500	0.00	64.23
Ff	**1**	(untitled)	5			634	1900	60	0.00	33	170	33.56	0.47	0.00	0.08	100	100	0.00	1.19
	2	(untitled)	5			379	1900	60	0.00	20	351	33.28	0.24	0.00	0.02	100	100	0.00	0.35
G	**1**	(untitled)	2	769-2	F	331	2050	18	8.73	53	70	43.41	27.43	68.87	5.38	100	100	0.00	39.70
	2	(untitled)	2	769-2	F	345	2050	18	0.66	55	63	22.41	11.02	40.26	4.99	100	500	0.00	37.29
Gf	**1**	(untitled)	4			331	2050	60	38.00	16	457	3.21	0.17	0.00	0.02	100	100	0.00	0.22
	2	(untitled)	4			299	2050	60	38.00	15	517	3.15	0.15	0.00	0.01	100	100	0.00	0.18
xA	**1**	(untitled)	10			923	2263	60	11.00	41	121	17.76	0.55	0.00	0.14	100	100	0.00	1.99
	2	(untitled)	10			845	2263	60	22.13	38	136	18.24	1.00	11.74	9.42	100	100	0.00	6.52
xB	**1**	(untitled)				1214	Unrestricted	60	0.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	**1**	(untitled)				667	1900	60	38.27	89	1	33.64	24.97	87.10	8.07	100	100	0.00	84.37
	2	(untitled)				578	1900	60	40.21	71	27	19.72	11.02	63.09	7.81	100	100	0.00	36.87
xD	**1**	(untitled)				654	Unrestricted	60	13.00	0	Unrestricted	9.13	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				637	Unrestricted	60	24.00	0	Unrestricted	9.21	0.00	0.00	0.00	100	100	0.00	0.00
xE	**1**	(untitled)				766	Unrestricted	60	13.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00

	2	(untitled)				421	Unrestricted	60	29.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	**1**	(untitled)				709	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	570	2050	27	7.00	60	51	13.56	6.93	56.60	13.37	100	100	0.00	28.07
E1	**1**	(untitled)	4	770-3	G	420	2050	21	0.00	56	61	24.17	18.17	74.88	5.36	100	100	0.00	40.19
	2	(untitled)	4	770-3	G	462	2200	21	0.00	57	57	24.22	18.22	75.45	5.84	100	100	0.00	44.40
Gf1	**1**	(untitled)	4			46	672	60	35.00	7	1214	4.18	0.49	5.02	0.05	100	100	0.00	0.16
Cc2	**2**	(untitled)	2	769-2	D	557	2150	28	6.23	54	67	12.91	5.83	23.50	2.79	100	500	0.00	34.24
	3	(untitled)	2	769-2	D	526	2050	28	7.00	53	69	16.38	8.93	44.03	3.85	100	500	0.00	50.41
	4	(untitled)	2	769-2	D	824	2150	28	2.40	80	12	20.65	13.80	65.33	13.56	100	500	0.00	132.67
	5	(untitled)	2	769-2	D	453	2050	28	15.00	46	97	18.74	10.75	47.53	3.59	100	500	0.00	43.20
E2	**3**	(untitled)	4	770-3	H	331	2150	21	0.33	43	111	20.07	16.08	69.50	3.84	100	100	0.00	28.37
	4	(untitled)	4	770-3	H	299	2050	21	0.00	40	126	19.75	15.68	69.26	3.45	100	100	0.00	25.14
TC5	**2**	(untitled)	TC771-6	TC777-1	A	765	2263	38	4.00	51	77	5.11	2.35	10.15	1.71	100	100	0.00	8.07
	3	(untitled)	TC771-6	TC777-1	A	845	2263	38	14.00	56	61	6.39	3.63	17.52	3.25	100	100	0.00	13.94
	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	371	1925	39	13.00	28	227	14.78	3.77	50.95	3.33	100	100	0.00	7.93
	2	(untitled)	TC771-6	TC777-1	B	236 <	1966	39	34.79	100	-10	336.37	325.30	381.36	23.18 +	100	100	0.00	314.20
	3	(untitled)	TC771-6	TC777-1	B	146	1947	39	37.01	64	40	47.27	36.15	98.37	2.27	100	100	0.00	22.37
TC35	**1**	(untitled)	TC771-6	TC777-1	A	158	1900	38	18.00	12	623	7.96	5.06	36.32	1.46	100	100	0.00	3.87
TC36	**1**	(untitled)	TC771-6			431 <	1800	60	53.10	208	-57	951.39	948.36	481.29	117.98 +	100	100	0.00	1624.53
TC37	**1**	(untitled)	TC771-6	TC777-2	J	37	1850	42	29.00	3	3147	3.24	0.05	0.11	0.00	100	100	0.00	0.01
TC38	**1**	(untitled)	TC771-6			37	435	60	33.00	8	966	5.29	3.75	28.66	2.42	100	100	0.00	0.91
TC39	**2**	(untitled)	TC771-6			765	2263	60	24.00	34	166	2.94	0.41	0.01	0.09	100	100	0.00	1.23
	3	(untitled)	TC771-6			845	2263	60	34.00	37	141	2.87	0.47	0.00	0.11	100	100	0.00	1.58
TC40	**2**	(untitled)	TC771-6			802	Unrestricted	60	9.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC771-6			845	Unrestricted	60	26.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00

TC41	1	(untitled)	TC771-6	TC777-1	D	166 <	1850	11	6.61	100	-10	278.43	274.50	240.47	13.23 +	100	100	0.00	194.00
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			1246	1300	60	2.00	96	-6	39.76	23.72	0.00	8.21	100	100	0.00	116.54
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			1440 <	1900	60	45.70	318	-72	1240.54	1237.39	733.67	501.22 +	100	100	0.00	7070.03
	2	(untitled)	TC771-6			1244 <	1900	60	50.43	410	-78	1367.39	1364.25	919.93	479.11 +	100	100	0.00	6728.83
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			1013	1900	60	0.00	53	69	5.58	1.08	0.00	0.30	100	100	0.00	4.32

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	30	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3	770-1	C	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
3	1	(untitled)	4-2	770-4	M	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4-2	770-4	M	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
4	1	(untitled)	4	770-3	J	0	11000	27	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	J	0	11000	27	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	1	(untitled)	4	770-3	I	0	11000	27	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	I	0	11000	27	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	30	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
8	1	(untitled)	1	769-1	C	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	1	769-1	C	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

9	**1**	(untitled)	2	769-2	J	0	11000	15	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	J	0	11000	15	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
10	**1**	(untitled)	2	769-2	K	0	11000	20	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	K	0	11000	20	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	**1**	(untitled)		769-2	H	0	11000	25	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	25	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	**1**	(untitled)	2	769-2	I	0	11000	25	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	25	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
13	**1**	(untitled)		TC777-1	I	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	I	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
14	**1**	(untitled)		TC777-1	F	0	11000	39	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	F	0	11000	39	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
15	**1**	(untitled)		TC777-1	G	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	G	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
16	**1**	(untitled)		TC777-1	H	0	11000	9	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	H	0	11000	9	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
17	**1**	(untitled)		TC777-2	K	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-2	K	0	11000	8	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	5993.06	1607.55	3.73	1451.71	20614.25	1978.81	318164.09	340757.15
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	5993.06	1607.55	3.73	1451.71	20614.25	1978.81	318164.09	340757.15

- *< = 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***