

TRANSYT 16

Version: 16.0.1.8473
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Filename: M62 JN 28 CRF Scheme_Mar 20_PF_Sept 20_RevE.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Base
Report generation date: 24/01/2021 10:52:18

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Summary of network performance

	Set ID	Cycle time (s)	PI (£ per hr)	Total delay (PCU-hr/hr)	Highest DOS	Number oversaturated
	AM Base 2032 + Dev - AM 2032 + Dev					
Network	A9 D9	120	18083.26	1195.33	168% (TS 51/1)	25 (17%)

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

File summary

File description

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

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

Model and Results

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

Units

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

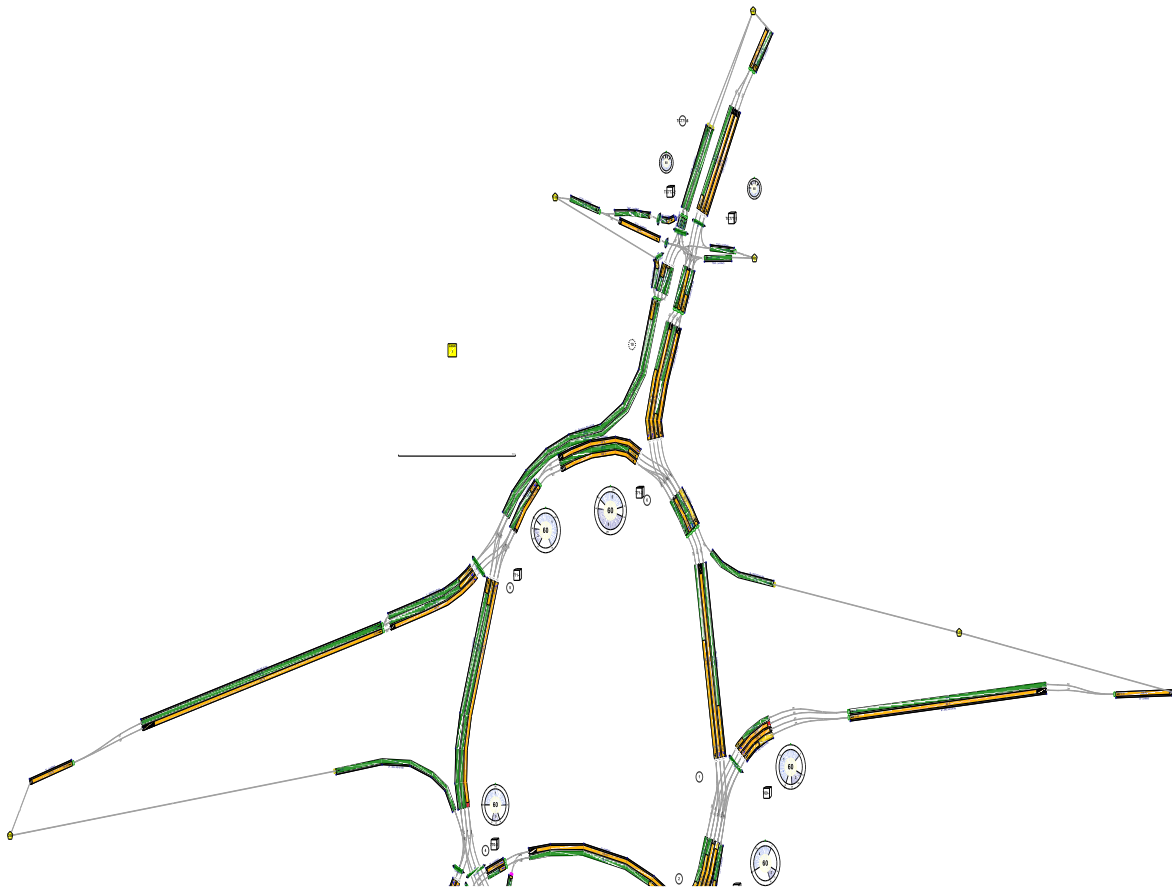
Sorting

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

Simulation options

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

Network Diagrams



A9 - AM Base 2032 + Dev D9 - AM 2032 + 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%.

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

Normal Traffic parameters

Dispersion type	Dispersion coefficient	Travel time coefficient
Default	35	80

Normal Traffic Types

Name	PCU Factor
Normal	1.00

Bus parameters

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

Tram parameters

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

Pedestrian parameters

Dispersion type
Default

Optimisation options

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

Advanced

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

Economics

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

Traffic Nodes

Traffic Nodes

Traffic node	Name	Description
(ALL)	(untitled)	

Arms and Traffic Streams

Arms

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

Traffic Streams

Arm	Traffic	Name	Description	Auto length	Length (m)	Has Saturation Flow	Saturation flow source	Saturation flow	Auto-calculated cell	Cell saturation flow	Is signal	Is given	Traffic type	Allow Nearside
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	Stream							(PCU/hr)	saturation flow	(PCU/hr)	controlled	way		Turn On Red
A	1	(untitled)	M62E	✓	74.52	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.88	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.61	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.35	✓	Directly entered	2050		2050	✓		Normal	
Ac	1	(untitled)	M62E	✓	95.80	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Wake	✓	92.34	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.95	✓	Directly entered	2263		2263	✓		Normal	
Acf	1	(untitled)		✓	69.59	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	70.42	✓	Directly entered	2263		2263			Normal	
Af	1	(untitled)	M62E/Wake	✓	53.54	✓	Directly entered	2050		2050			Normal	
	2	(untitled)	Dews	✓	53.19	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	53.01	✓	Directly entered	2050		2050			Normal	
B	1	(untitled)	Wake/Dews	✓	94.67	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Brad	✓	97.18	✓	Directly entered	2150		2150	✓		Normal	
	3	(untitled)	Leeds	✓	99.69	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)		✓	102.42	✓	Directly entered	2050		2050	✓		Normal	
Bc	1	(untitled)	Wake	✓	132.85	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Dews	✓	131.47	✓	Directly entered	2050		2263	✓		Normal	
	3	(untitled)	Brad/M62W	✓	130.10	✓	Directly entered	2050		2050	✓		Normal	
Bcf	1	(untitled)		✓	62.67	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	63.14	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.35	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.25	✓	Directly entered	2263		2050			Normal	
Bf	1	(untitled)		✓	227.81	✓	Sum of lanes	1800		1600			Normal	
	2	(untitled)		✓	228.44	✓	Sum of lanes	1800		1700			Normal	
C	1	(untitled)	Dews/Brad	✓	121.13	✓	Directly entered	2100		2050	✓		Normal	
	2	(untitled)	M62W/Brad/Leeds	✓	122.36	✓	Directly entered	2200		2100	✓		Normal	
	3	(untitled)	Leeds/M62E	✓	124.35	✓	Directly entered	2050		1900	✓		Normal	
Cf	1	(untitled)		✓	144.60	✓	Sum of lanes	1965		1965			Normal	
	2	(untitled)		✓	145.86	✓	Sum of lanes	1965		1965			Normal	
D	1	(untitled)	Brad/M62		55.00	✓	Directly entered	2050		2050	✓		Normal	

	2	(untitled)	Leeds		55.00	✓	Directly entered	1850		2075	✓		Normal
	3	(untitled)	Leeds/M62/Wake	✓	52.87	✓	Directly entered	2250		2250	✓		Normal
Dc	1	(untitled)	Brad	✓	50.67	✓	Directly entered	2100		2100	✓		Normal
	2	(untitled)	Brad/M62W	✓	48.72	✓	Directly entered	2100		2100	✓		Normal
	3	(untitled)	Leeds	✓	46.78	✓	Directly entered	2100		2100	✓		Normal
	4	(untitled)	Leeds/M62E	✓	44.83	✓	Directly entered	2100		2100	✓		Normal
Dcf	1	(untitled)		✓	65.95	✓	Directly entered	2050		2050			Normal
	2	(untitled)		✓	65.92	✓	Directly entered	2100		2100			Normal
	3	(untitled)		✓	68.61	✓	Directly entered	2100		2100			Normal
	4	(untitled)		✓	66.73	✓	Directly entered	2100		2100			Normal
	5	(untitled)		✓	66.90	✓	Directly entered	2100		2100			Normal
Df	1	(untitled)			200.00	✓	Sum of lanes	1900					Normal
	2	(untitled)			200.00	✓	Directly entered	2250					Normal
Dxp	1	(untitled)		✓	46.62	✓	Directly entered	2050			✓		Normal
	2	(untitled)		✓	48.64	✓	Directly entered	2050			✓		Normal
Ec	1	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal
	4	(untitled)	M62E	✓	45.93	✓	Directly entered	2250		2250	✓		Normal
Ecf	1	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal
	3	(untitled)		✓	46.93	✓	Directly entered	2263		2263			Normal
	4	(untitled)		✓	50.37	✓	Directly entered	2300		2300			Normal
Ef	1	(untitled)		✓	127.54	✓	Directly entered	1900					Normal
	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal
Exp	1	(untitled)		✓	51.83	✓	Directly entered	2050		2100	✓		Normal
	2	(untitled)		✓	53.71	✓	Directly entered	2050		2100	✓		Normal
F	1	(untitled)	Leeds	✓	85.13	✓	Directly entered	2100		2100	✓		Normal
	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal
	3	(untitled)	Dews/Brad	✓	87.25	✓	Directly entered	2100		2100	✓		Normal
Fc	1	(untitled)	Leeds	✓	183.21	✓	Directly entered	2263		2263	✓		Normal
	2	(untitled)	Leeds	✓	181.45	✓	Directly entered	2263		2263	✓		Normal

	3	(untitled)	M62E/Dews	✓	180.28	✓	Directly entered	2263		2263	✓		Normal
Ff	1	(untitled)		✓	275.73	✓	Sum of lanes	1900		1900			Normal
	2	(untitled)		✓	275.39	✓	Sum of lanes	1900		1900			Normal
G	1	(untitled)		✓	155.36	✓	Directly entered	2050		2050	✓		Normal
	2	(untitled)		✓	151.80	✓	Directly entered	2050		2050	✓		Normal
Gf	1	(untitled)		✓	40.48	✓	Directly entered	2050		2050			Normal
	2	(untitled)		✓	40.06	✓	Directly entered	2050		2050			Normal
xA	1	(untitled)		✓	229.66	✓	Directly entered	2263		2263			Normal
	2	(untitled)		✓	229.97	✓	Directly entered	2263		2263			Normal
xB	1	(untitled)		✓	77.15								Normal
xC	1	(untitled)		✓	115.60	✓	Sum of lanes	1900		1900			Normal
	2	(untitled)		✓	115.98	✓	Sum of lanes	1900		1900			Normal
xD	1	(untitled)		✓	121.71								Normal
	2	(untitled)		✓	122.74								Normal
xE	1	(untitled)		✓	173.89								Normal
	2	(untitled)		✓	173.83								Normal
xF	1	(untitled)		✓	162.53								Normal
Cc1	1	(untitled)	Wake	✓	95.84	✓	Directly entered	2050		2050	✓		Normal
E1	1	(untitled)	M62W/Leeds		80.00	✓	Directly entered	2050		1900	✓		Normal
	2	(untitled)	Leeds/M62E		80.00	✓	Directly entered	2200		2100	✓		Normal
Gf1	1	(untitled)		✓	49.26						✓		Normal
Cc2	2	(untitled)	Dews	✓	91.58	✓	Directly entered	2150		2100	✓		Normal
	3	(untitled)	Brad/M62W	✓	89.25	✓	Directly entered	2050		2050	✓		Normal
	4	(untitled)	Dews/Brad	✓	88.96	✓	Directly entered	2150		2100	✓		Normal
	5	(untitled)	Leeds	✓	88.65	✓	Directly entered	2050		2050	✓		Normal
E2	3	(untitled)	Wake	✓	53.28	✓	Directly entered	2150		2050	✓		Normal
	4	(untitled)	Wake	✓	54.33	✓	Directly entered	2050		2050	✓		Normal
TC5	2	(untitled)		✓	23.03	✓	Sum of lanes	2263		2263	✓		Normal
	3	(untitled)		✓	23.02	✓	Directly entered	2263		2263	✓		Normal
	4	(untitled)		✓	24.43	✓	Sum of lanes	1800		2263	✓		Normal
TC9	1	(untitled)		✓	91.71	✓	Directly entered	1925		1925	✓		Normal
	2	(untitled)		✓	92.11	✓	Sum of lanes	1966		1966	✓		Normal

47	1	1	(untitled)												
48	1	1	(untitled)												1965
49	1	2	(untitled)												
	2	1	(untitled)												
50	1	1	(untitled)												1900
51	1	1	(untitled)												1900

Modelling

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

Cc2	2	CTM	100	100	100	0.00							
	3	CTM	100	100	100	0.00							
	4	CTM	100	100	100	0.00							
	5	CTM	100	100	100	0.00							
E2	3	CTM	100	100	100	0.00							
	4	CTM	100	100	100	0.00							
TC 5	2	CTM	100	100	100	0.00							
	3	CTM	100	100	100	0.00							
	4	CTM	100	100	100	0.00							
TC 9	1	CTM	100	100	100	0.00							
	2	CTM	100	100	100	0.00							
	3	CTM	100	100	100	0.00							
TC 35	1	CTM	100	100	100	0.00							
TC 36	1	NetworkDefault	100	100	100	0.00							
TC 37	1	CTM	100	100	100	0.00							
TC 38	1	CTM	100	100	100	0.00							
TC 39	2	CTM	100	100	100	0.00							
	3	CTM	100	100	100	0.00							
TC 40	2	PDM	100	100	100	0.00							
	3	PDM	100	100	100	0.00							
TC 41	1	CTM	100	100	100	0.00							
TC 42	1	NetworkDefault	100	100	100	0.00							
TC 43	1	NetworkDefault	100	100	100	0.00							
47	1	CTM	100	100	100	0.00							
48	1	NetworkDefault	100	100	100	0.00							
49	1	NetworkDefault	100	100	100	0.00							
	2	NetworkDefault	100	100	100	0.00							
50	1	NetworkDefault	100	100	100	0.00							
51	1	NetworkDefault	100	100	100	0.00							

Modelling - Advanced

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

Normal traffic - Modelling

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

Normal traffic - Advanced

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

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)
A	1	374	374

	2	197	197
	3	412	412
	4	270	270
Ac	1	1188	1188
	2	199	199
	3	425	425
Acf	1	1387	1387
	2	425	425
Af	1	571	571
	2	412	412
	3	270	270
B	1	407	407
	2	445	445
	3	474	474
	4	617	617
Bc	1	432	432
	2	723	723
	3	348	348
Bcf	1	1562	1562
	2	432	432
	3	723	723
	4	348	348
Bf	1	852	852
	2	1091	1091
C	1	568	568
	2	648	648
	3	371	371
Cf	1	568	568
	2	1019	1019
D	1	522	522
	2	876	876
	3	869	869
Dc	1	1024	1024
	2	790	790
	3	616	616
	4	988	988
Dcf	1	909	909
	2	1309	1309
	3	790	790
	4	616	616
	5	988	988
Df	1	1398	1398
	2	869	869
Dxp	1	909	909
	2	285	285
Ec	1	768	768
	2	1425	1425
	3	1246	1246
	4	640	640
Ecf	1	1206	1206
	2	1130	1130
	3	1425	1425
	4	1924	1924
Ef	1	922	922
	2	516	516

Exp	1	1206	1206
	2	362	362
F	1	299	299
	2	198	198
	3	345	345
Fc	1	1646	1646
	2	1290	1290
	3	1240	1240
Ff	1	497	497
	2	345	345
G	1	384	384
	2	170	170
Gf	1	381	381
	2	135	135
xA	1	1712	1712
	2	1494	1494
xB	1	1562	1562
xC	1	616	616
	2	359	359
xD	1	909	909
	2	285	285
xE	1	1206	1206
	2	362	362
xF	1	825	825
Cc1	1	421	421
E1	1	322	322
	2	600	600
Gf1	1	38	38
Cc2	2	820	820
	3	679	679
	4	909	909
	5	617	617
E2	3	381	381
	4	135	135
TC5	2	1477	1477
	3	1494	1494
	4	0	0
TC9	1	554	554
	2	405	405
	3	265	265
TC35	1	235	235
TC36	1	44	44
TC37	1	15	15
TC38	1	15	15
TC39	2	1477	1477
	3	1494	1494
TC40	2	1492	1492
	3	1494	1494
TC41	1	29	29
TC42	1	0	0
TC43	1	0	0
47	1	975	975
48	1	1587	1587
49	1	554	554
	2	670	670

50	1	1943	1943
51	1	842	842

Signals

Arm	Traffic Stream	Controller stream	Phase	Second phase enabled
A	1	771-2	E	
	2	771-2	E	
	3	771-2	E	
	4	771-2	E	
Ac	1	771-2	D	
	2	771-2	D	
	3	771-2	D	
B	1	769-1	B	
	2	769-1	B	
	3	769-1	B	
	4	769-1	B	
Bc	1	769-1	A	
	2	769-1	A	
	3	769-1	A	
C	1	769-2	G	
	2	769-2	G	
	3	769-2	G	
D	1	770-1	B	
	2	770-1	B	
	3	770-1	B	
Dc	1	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
Dxp	1	770-2	D	
	2	770-2	D	
Ec	1	770-3	F	
	2	770-3	F	
	3	770-3	F	
	4	770-3	F	
Exp	1	770-4	L	
	2	770-4	L	
F	1	771-1	B	
	2	771-1	B	
	3	771-1	B	
Fc	1	771-1	A	
	2	771-1	A	
	3	771-1	A	
G	1	769-2	F	
	2	769-2	F	
Cc1	1	769-2	E	
E1	1	770-3	G	
	2	770-3	G	
Cc2	2	769-2	D	
	3	769-2	D	
	4	769-2	D	
	5	769-2	D	
E2	3	770-3	H	
	4	770-3	H	
TC5	2	TC777-1	A	

	3	TC777-1	A	
	4	TC777-1	C	
TC9	1	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	1	TC777-1	A	
TC37	1	TC777-2	J	
TC41	1	TC777-1	D	
TC42	1	TC777-1	E	

Entry Sources

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

Sources

Arm	Traffic Stream	Source	Source traffic stream	Destination traffic stream	Cruise time for Normal Traffic (s)	Cruise speed for Normal Traffic (kph)	Auto turning radius	Traffic turn style	Turning radius (m)
A	1	1	Af/1	A/1	5.59	48.00	✓	Straight	Straight Movement
	2	1	Af/1	A/2	5.77	48.00	✓	Straight	Straight Movement
	3	1	Af/2	A/3	5.90	48.00	✓	Straight	Straight Movement
	4	1	Af/3	A/4	6.03	48.00	✓	Straight	Straight Movement
Ac	1	1	Acf/1	Ac/1	7.19	48.00	✓	Offside	48.59
	2	1	Acf/1	Ac/2	9.50	35.00	✓	Offside	46.08
	3	1	Acf/2	Ac/3	6.60	48.00	✓	Offside	42.76
Acf	1	1	F/2	Acf/1	5.22	48.00	✓	Straight	Straight Movement
	2	1	F/3	Acf/2	7.24	35.00	✓	Straight	Straight Movement
Af	1	1	TC42/1	Af/1	6.42	30.00	✓	Nearside	10.60
	2	1	TC42/1	Af/2	6.38	30.00	✓	Nearside	10.60
	3	1	TC42/1	Af/3	6.36	30.00	✓	Nearside	10.60
B	1	1	Bf/1	B/1	7.10	48.00	✓	Straight	Straight Movement
	2	1	Bf/1	B/2	7.29	48.00	✓	Straight	Straight Movement
	3	1	Bf/2	B/3	7.48	48.00	✓	Straight	Straight Movement
	4	1	Bf/2	B/4	12.29	30.00	✓	Straight	Straight Movement
Bc	1	1	Bcf/2	Bc/1	11.96	40.00	✓	Offside	51.76
	2	1	Bcf/3	Bc/2	11.83	40.00	✓	Offside	48.45
	3	1	Bcf/4	Bc/3	11.71	40.00	✓	Offside	45.13

Bcf	1	1	A/1	Bcf/1	4.70	48.00	✓	Nearside	68.65
	2	1	A/2	Bcf/2	6.69	34.00	✓	Nearside	71.96
	3	1	A/3	Bcf/3	6.60	34.00	✓	Nearside	75.27
	4	1	A/4	Bcf/4	6.59	34.00	✓	Nearside	78.59
Bf	1	1	50/1	Bf/1	27.34	30.00	✓	Straight	Straight Movement
	2	1	50/1	Bf/2	27.41	30.00	✓	Straight	Straight Movement
C	1	1	Cf/1	C/1	14.54	30.00	✓	Offside	59.30
	2	1	Cf/2	C/2	14.68	30.00	✓	Offside	55.98
	3	1	Cf/2	C/3	14.92	30.00	✓	Offside	53.27
Cf	1	1	48/1	Cf/1	17.35	30.00	✓	Straight	Straight Movement
	2	1	48/1	Cf/2	17.50	30.00	✓	Straight	Straight Movement
D	1	1	Df/1	D/1	4.13	48.00	✓	Straight	Straight Movement
	2	1	Df/1	D/2	4.13	48.00	✓	Straight	Straight Movement
	3	1	Df/2	D/3	3.97	48.00	✓	Straight	Straight Movement
Dc	1	1	Dcf/2	Dc/1	3.80	48.00	✓	Offside	56.07
	2	1	Dcf/3	Dc/2	3.65	48.00	✓	Offside	52.76
	3	1	Dcf/4	Dc/3	3.51	48.00	✓	Offside	49.44
	4	1	Dcf/5	Dc/4	3.36	48.00	✓	Offside	46.13
Dcf	1	1	Cc2/2	Dcf/1	4.95	48.00	✓	Straight	Straight Movement
	2	1	Cc2/4	Dcf/2	4.94	48.00	✓	Straight	Straight Movement
	3	1	Cc2/3	Dcf/3	5.15	48.00	✓	Straight	Straight Movement
	4	1	C/2	Dcf/4	5.00	48.00	✓	Nearside	58.86
	5	1	Cc2/5	Dcf/5	5.02	48.00	✓	Straight	Straight Movement
Dxp	1	1	Dcf/1	Dxp/1	3.50	48.00	✓	Nearside	80.62
	2	1	Dcf/2	Dxp/2	3.65	48.00	✓	Nearside	83.93
Ec	1	1	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42
	2	1	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	1	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	1	Ecf/4	Ec/4	3.44	48.00	✓	Offside	67.06
Ecf	1	1	Dc/1	Ecf/1	3.45	48.00	✓	Offside	76.11
	2	1	Dc/2	Ecf/2	3.48	48.00	✓	Offside	72.80
	3	1	Dc/3	Ecf/3	3.52	48.00	✓	Offside	69.49
	4	1	Dc/4	Ecf/4	3.78	48.00	✓	Offside	66.17
Exp	1	1	Ecf/1	Exp/1	3.89	48.00	✓	Nearside	52.96
	2	1	Ecf/2	Exp/2	4.03	48.00	✓	Nearside	56.27
F	1	1	Ff/1	F/1	6.38	48.00	✓	Straight	Straight Movement
	2	1	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement
	3	1	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	1	1	Ec/2	Fc/1	18.84	35.00	✓	Straight	Straight Movement
	2	1	Ec/3	Fc/2	18.66	35.00	✓	Straight	Straight Movement
	3	1	Ec/4	Fc/3	18.54	35.00	✓	Straight	Straight Movement

Ff	1	1	51/1	Ff/1	33.09	30.00	✓	Straight	Straight Movement
	2	1	51/1	Ff/2	33.05	30.00	✓	Straight	Straight Movement
G	1	1	Gf/1	G/1	15.98	35.00	✓	Offside	88.54
	2	1	Gf/2	G/2	11.38	48.00	✓	Offside	85.22
Gf	1	1	E2/3	Gf/1	3.04	48.00	✓	Straight	Straight Movement
	2	1	E2/4	Gf/2	3.00	48.00	✓	Straight	Straight Movement
xA	1	1	F/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	1	F/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
xB	1	1	Bcf/1	xB/1	5.79	48.00	✓	Nearside	59.55
xC	1	1	G/1	xC/1	8.67	48.00	✓	Straight	Straight Movement
	2	1	G/2	xC/2	8.70	48.00	✓	Straight	Straight Movement
xD	1	1	Dxp/1	xD/1	9.13	48.00	✓	Nearside	30.26
	2	1	Dxp/2	xD/2	9.21	48.00	✓	Nearside	33.58
xE	1	1	Exp/1	xE/1	13.04	48.00	✓	Straight	Straight Movement
	2	1	Exp/2	xE/2	13.04	48.00	✓	Straight	Straight Movement
xF	1	1	Ec/1	xF/1	12.19	48.00	✓	Straight	Straight Movement
Cc1	1	1	B/1	Cc1/1	8.63	40.00	✓	Straight	Straight Movement
E1	1	1	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	1	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96
Gf1	1	1	Ec/4	Gf1/1	3.69	48.00	✓	Offside	25.08
Cc2	2	1	B/1	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	3	1	Bc/3	Cc2/3	5.95	54.00	✓	Straight	Straight Movement
	4	1	Bc/3	Cc2/4	5.93	54.00	✓	Straight	Straight Movement
	5	1	Bc/3	Cc2/5	5.91	54.00	✓	Offside	97.08
E2	3	1	Ef/2	E2/3	4.00	48.00	✓	Nearside	43.25
	4	1	Ef/2	E2/4	4.07	48.00	✓	Nearside	43.25
TC5	2	1	xA/1	TC5/2	2.76	30.00	✓	Straight	Straight Movement
	3	1	xA/2	TC5/3	2.76	30.00	✓	Straight	Straight Movement
	4	1	xA/2	TC5/4	2.93	30.00	✓	Straight	Straight Movement
TC9	1	1	49/1	TC9/1	11.00	30.00	✓	Straight	Straight Movement
	2	1	49/2	TC9/2	11.05	30.00	✓	Straight	Straight Movement
	3	1	49/2	TC9/3	11.12	30.00	✓	Straight	Straight Movement
TC35	1	1	xA/1	TC35/1	2.90	30.00	✓	Straight	Straight Movement
TC37	1	1	TC36/1	TC37/1	3.19	50.00	✓	Nearside	46.04
TC38	1	1	TC37/1	TC38/1	1.53	50.00	✓	Straight	Straight Movement
TC39	2	1	TC5/2	TC39/2	2.54	50.00	✓	Straight	Straight Movement

	3	1	TC5/3	TC39/3	2.40	50.00	✓	Straight	Straight Movement
TC40	2	1	TC38/1	TC40/2	4.23	50.00	✓	Nearside	11.92
	3	1	TC39/3	TC40/3	4.02	50.00	✓	Offside	77.43
TC41	1	1	TC36/1	TC41/1	3.93	50.00	✓	Straight	Straight Movement
TC43	1	1	TC9/1	TC43/1	3.73	50.00	✓	Nearside	6.11
47	1	1	xC/1	47/1	16.04	30.00	✓	Straight	Straight Movement
Acf	1	2	Fc/3	Acf/1	5.22	48.00	✓	Straight	Straight Movement
	2	2	Fc/3	Acf/2	7.24	35.00	✓	Straight	Straight Movement
Af	1	2	TC9/1	Af/1	6.42	30.00	✓	Straight	Straight Movement
	2	2	TC9/2	Af/2	6.38	30.00	✓	Straight	Straight Movement
	3	2	TC9/3	Af/3	6.36	30.00	✓	Straight	Straight Movement
Bcf	1	2	Ac/1	Bcf/1	3.96	57.00	✓	Offside	93.05
	2	2	Ac/2	Bcf/2	3.99	57.00	✓	Offside	89.74
	3	2	Ac/3	Bcf/3	3.94	57.00	✓	Offside	86.42
	4	2	Ac/3	Bcf/4	3.93	57.00	✓	Offside	86.42
Dcf	1	2	C/1	Dcf/1	4.95	48.00	✓	Nearside	55.54
	2	2	C/1	Dcf/2	4.94	48.00	✓	Nearside	55.54
	3	2	C/2	Dcf/3	5.15	48.00	✓	Nearside	58.86
	4	2	Cc2/3	Dcf/4	8.01	30.00	✓	Straight	Straight Movement
	5	2	C/3	Dcf/5	5.02	48.00	✓	Nearside	62.17
Ecf	1	2	D/1	Ecf/1	3.45	48.00	✓	Nearside	43.36
	2	2	D/1	Ecf/2	3.48	48.00	✓	Nearside	43.36
	3	2	D/2	Ecf/3	3.52	48.00	✓	Nearside	46.68
	4	2	D/3	Ecf/4	3.78	48.00	✓	Nearside	49.99
Fc	1	2	E1/1	Fc/1	20.61	32.00	✓	Nearside	58.94
	2	2	E1/1	Fc/2	20.41	32.00	✓	Nearside	60.85
	3	2	E1/2	Fc/3	20.28	32.00	✓	Nearside	64.16
G	1	2	Gf1/1	G/1	15.98	35.00	✓	Offside	17.91
	2	2	Gf1/1	G/2	11.38	48.00	✓	Offside	15.13
xA	1	2	Fc/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	2	Fc/2	xA/2	17.25	48.00	✓	Straight	Straight Movement
xC	1	2	Cc1/1	xC/1	8.67	48.00	✓	Nearside	56.51
	2	2	Cc1/1	xC/2	8.70	48.00	✓	Nearside	57.28
xF	1	2	E1/1	xF/1	12.19	48.00	✓	Nearside	40.67
Cc1	1	2	Bc/1	Cc1/1	6.39	54.00	✓	Straight	Straight Movement
Cc2	2	2	Bc/2	Cc2/2	6.11	54.00	✓	Straight	Straight Movement
	3	2	B/3	Cc2/3	8.03	40.00	✓	Straight	Straight Movement
	4	2	B/2	Cc2/4	8.01	40.00	✓	Straight	Straight Movement
	5	2	B/4	Cc2/5	7.98	40.00	✓	Straight	Straight Movement
TC39	2	2	TC42/1	TC39/2	2.54	50.00	✓	Offside	9.44
	3	2	TC42/1	TC39/3	2.40	50.00	✓	Offside	9.44

TC40	2	2	TC39/2	TC40/2	4.23	50.00	✓	Offside	80.74
TC43	1	2	TC5/4	TC43/1	3.73	50.00	✓	Offside	21.45
47	1	2	xC/2	47/1	16.04	30.00	✓	Straight	Straight Movement
Acf	1	3	Fc/2	Acf/1	5.22	48.00	✓	Straight	Straight Movement
Af	1	3	TC41/1	Af/1	6.42	30.00	✓	Offside	6.19
	2	3	TC41/1	Af/2	6.38	30.00	✓	Offside	6.19
	3	3	TC41/1	Af/3	6.36	30.00	✓	Offside	6.19
Bcf	2	3	Ac/3	Bcf/2	3.99	57.00	✓	Offside	86.42
Dcf	3	3	Cc2/4	Dcf/3	8.23	30.00	✓	Straight	Straight Movement
Ecf	4	3	D/2	Ecf/4	6.04	30.00	✓	Nearside	46.68
xA	2	3	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
Cc2	2	3	B/2	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	4	3	Bc/2	Cc2/4	5.93	54.00	✓	Straight	Straight Movement
	2	4	Bc/1	Cc2/2	6.11	54.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

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

Pedestrian Crossings

Pedestrian Crossings

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

Bus Input Flows not shown as they are blank.

Tram Input Flows not shown as they are blank.

Pedestrian Input Flows not shown as they are blank.

Locations

OD Matrix	Location	Name	Entries	Exits	Colour
1	A28	(untitled)	50/1	xB/1	#FF0000
	B28	(untitled)	48/1	47/1	#00FF40
	C28	(untitled)	Df/2, Df/1	xD/1, xD/2	#804000
	D28	(untitled)	51/1	xF/1	#FF00FF
	E28	(untitled)	Ef/2, Ef/1	xE/1, xE/2	#FF8000
	F28	(untitled)	TC36/1	TC35/1	#FFA500
	G28	(untitled)	49/2, 49/1	TC40/2, TC40/3	#0000FF
H28	(untitled)	TC42/1	TC43/1	#008000	

Normal Paths and Flows

OD Matrix	Path	Description	From location	To location	Path items	Allocation type	Normal Calculated Flow (PCU/hr)
1	23	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	601
	24		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	25		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	32	I1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	182
	36		C28	E28	Df/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	0
	41		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	520
	42		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	40
	43		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	44		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	45		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	49	I1	C28	D28	Df/1, D/1, Ecf/2, Ec/1, xF/1	Normal	340
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	57
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	188
	86		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	3
	91	I2	C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	24
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	33
	96		A28	C28	50/1, Bf/1, B/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Disabled	0
	97		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
	98		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	99	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	35
	100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Fixed	135
	101		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	354
	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	615
	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	141	

107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	27
108		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	332
109	I3	C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	230
110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	22
111		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	0
112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	15
113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	9
114		C28	H28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
115		B28	C28	48/1, Cf/1, C/1, Dcf/2, Dxp/2, xD/2	Fixed	9
116		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	1
117		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
118		F28	C28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
119		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	1
120		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	1
121		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
122		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
123		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
124		E28	C28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	0
125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
126		D28	C28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	0
127		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	0
128		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
129		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	1
130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	141
131		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	123
132		H28	C28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
133		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
134		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
135		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
136		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	0
138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	0
139		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	6
140		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
141		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	6
142		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
144		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
145		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
146		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
147		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	1
148		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	3
149	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	3
150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	381
151		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0
152		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
153		F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	7
154		E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	18
155		E28	C28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	4
156		C28	G28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	60
157		H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
158		B28	D28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	289

159		B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	145
160		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	187
161		B28	F28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	27
162		B28	H28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
163		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	39
164		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Normal	0
165		B28	B28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	0
166		B28	C28	48/1, Cf/1, C/1, Dcf/1, Dxp/1, xD/1	Normal	89
167		B28	E28	48/1, Cf/1, C/1, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	470
168		G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal	365
169		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	65
170		G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	65
171		G28	H28	49/1, TC9/1, TC43/1	Normal	0
175		G28	C28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	0
176		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	70
177		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	131
178		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	34
181		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
185		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	27
186		A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	49
187		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	326
195		D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	198
196		D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	48
197		D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	53
198		D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	3
199		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	98
200		D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	98
201		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	220
204		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	45
205		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	27
206		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
207		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	6
210		A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	617
211		A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
212		A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
213		A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	102
214		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
215		G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	30
218		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Fixed	289
219		A28	F28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	73
220		H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
221		F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
222		A28	D28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	2
223		A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	68
224		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
225		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
226		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
227		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
228		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
229		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0

230		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
231		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	10
232		A28	H28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
233		B28	H28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
234	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	170
235		E28	G28	Ef/1, E1/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	0
236		E28	H28	Ef/1, E1/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
237		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
238		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Fixed	36
239		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	0
240		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	59
241		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	0
242		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
243		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
244		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
245		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
246		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	40
247		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
248		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
250		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
251		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
252		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	1
253		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	1
254		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	0
255	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0
256		C28	C28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
257		C28	H28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
258		C28	A28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	7
259		C28	C28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
260		C28	A28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0
261		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
262		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
263		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
264		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
265		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
266		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	0
267		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Fixed	0

Signal Timings

Network Default: 120s cycle time; 120 steps

Resultant penalties

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

Results - Link

Results - Traffic Stream

Results - Traffic Stream: Vehicle summary

Time Segment	Arm	Traffic Stream	Name	Phase	Calculated flow entering (PCU/hr)	Calculated saturation flow (PCU/hr)	Actual green (s (per cycle))	Calculated capacity (PCU/hr)	Degree of saturation (%)	Practical reserve capacity (%)	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	Journey Time (s)	
07:30-08:30	A	1	(untitled)	E	374	2050	36	649	58	56	15.61	5.52	42.59	21.20	
		2	(untitled)	E	197	2050	36	649	30	197	11.65	2.56	19.13	17.42	
		3	(untitled)	E	428	2050	36	428	100	-10	160.24	21.48	157.09	166.14	
		4	(untitled)	E	270	2050	36	649	42	116	13.70	4.79	34.25	19.72	
	Ac	1	(untitled)	D	1045	2263	64	1245	84	7	22.57	16.46	98.81	29.75	
		2	(untitled)	D	120	2263	64	1224	10	817	1.11	1.82	11.33	10.61	
		3	(untitled)	D	277	2263	64	276	100	-10	263.58	21.98	143.73	270.17	
	Acf	1	(untitled)			1165	2263	120	2263	51	75	0.84	0.27	2.26	6.06
		2	(untitled)			277	2263	120	277	100	-10	228.46	19.63	160.31	235.70
	Af	1	(untitled)			571	2050	120	2050	28	223	0.34	0.05	0.58	6.76
		2	(untitled)			412	2050	120	509	81	11	44.57	9.00	97.33	50.95
		3	(untitled)			270	2050	120	2050	13	583	0.13	0.01	0.11	6.49
	B	1	(untitled)	B		368	2050	38	683	54	67	18.58	4.45	27.06	25.68
		2	(untitled)	B		402	2150	38	685	59	54	19.50	5.26	31.15	26.79
		3	(untitled)	B		428	2100	38	690	62	45	30.34	7.70	44.39	37.82
		4	(untitled)	B		557	2050	38	557	100	-10	148.94	28.71	161.18	161.23
	Bc	1	(untitled)	A		339	2050	58	1025	33	172	2.21	0.53	2.30	14.17
		2	(untitled)	A		636	2050	58	635	100	-10	156.45	33.64	147.11	168.29
		3	(untitled)	A		316	2050	58	762	42	117	6.10	4.15	18.35	17.80
	Bcf	1	(untitled)			1418	2263	120	2263	63	44	1.33	0.52	4.81	5.48
		2	(untitled)			339	2263	120	2263	15	502	0.14	0.01	0.12	5.70
		3	(untitled)			636	2263	120	636	100	-10	109.39	22.68	209.16	115.12
		4	(untitled)			316	2263	120	2263	14	544	0.13	0.01	0.10	6.33
	Bf	1	(untitled)			770	1800	120	1800	43	110	0.75	0.16	0.40	28.08
2		(untitled)			984	1800	120	1031	95	-6	82.10	46.20	116.28	109.52	
C	1	(untitled)	G		495	2100	30	560	88	2	50.67	10.92	51.84	65.20	
	2	(untitled)	G		564	2200	30	587	96	-6	136.42	27.38	128.65	151.10	

	3	(untitled)	G	323	2050	30	547	59	52	23.48	5.81	26.86	38.41
Cf	1	(untitled)		495	1965	120	1965	25	257	0.31	0.04	0.17	17.66
	2	(untitled)		888	1965	120	888	100	-10	108.63	39.05	153.94	126.14
D	1	(untitled)	B	386	2050	40	718	54	67	25.90	5.09	53.18	30.03
	2	(untitled)	B	648	1850	40	648	100	-10	101.23	21.52	224.95	105.36
	3	(untitled)	B	755	2250	40	755	100	-10	85.59	20.21	219.84	89.55
Dc	1	(untitled)	A	922	2100	60	1085	85	6	19.72	9.26	105.04	23.52
	2	(untitled)	A	709	2100	60	1085	65	38	12.11	7.42	87.61	15.76
	3	(untitled)	A	552	2100	60	788	70	29	12.26	5.93	72.89	15.77
	4	(untitled)	A	880	2100	60	880	100	-10	75.24	21.30	273.23	78.60
Dcf	1	(untitled)		776	2050	120	2050	38	138	0.53	0.12	1.00	5.48
	2	(untitled)		1182	2100	120	1421	83	8	12.85	10.81	94.31	17.79
	3	(untitled)		709	2100	120	1754	40	123	0.89	2.37	19.85	6.34
	4	(untitled)		551	2100	120	2100	26	243	0.31	0.05	0.40	7.30
	5	(untitled)		880	2100	120	880	100	-10	80.23	25.67	220.66	85.25
Df	1	(untitled)		1398	1900	120	1033	135	-33	482.29	200.66	576.91	506.29
	2	(untitled)		869	2250	120	755	115	-22	262.21	72.39	208.11	286.21
Dxp	1	(untitled)	D	775	2050	101	1743	44	102	1.23	1.51	18.59	4.73
	2	(untitled)	D	261	2050	101	1743	15	502	0.39	0.16	1.87	4.04
Ec	1	(untitled)	F	642	2150	70	1290	50	81	7.43	4.47	51.35	11.19
	2	(untitled)	F	1150	2263	70	1358	85	6	13.51	9.21	109.32	17.14
	3	(untitled)	F	1095	2263	70	1358	81	12	8.74	5.52	67.84	12.25
	4	(untitled)	F	556	2250	70	1350	41	118	13.24	7.07	88.47	16.68
Ecf	1	(untitled)		1056	2100	120	2095	50	79	0.89	4.90	61.37	4.33
	2	(untitled)		961	2100	120	2100	46	97	0.72	0.19	2.39	4.20
	3	(untitled)		1150	2263	120	1655	69	30	6.91	7.23	88.58	10.43
	4	(untitled)		1685	2300	120	1863	90	0	10.87	10.26	117.08	14.72
Ef	1	(untitled)		922	1900	120	826	112	-19	215.70	65.47	295.13	231.00
	2	(untitled)		516	1900	120	1900	27	231	0.35	0.05	0.23	15.66
Exp	1	(untitled)	L	1054	2050	100	1725	61	47	2.61	5.17	57.32	6.50
	2	(untitled)	L	322	2050	100	1725	19	383	0.24	0.02	0.23	4.27
F	1	(untitled)	B	180	2100	20	385	47	93	14.26	2.65	17.88	20.65

	2	(untitled)	B	118	2100	20	385	31	193	11.66	2.39	16.01	18.09
	3	(untitled)	B	205	2100	20	205	100	-10	337.95	20.65	136.08	344.50
Fc	1	(untitled)	A	1348	2263	80	1546	87	3	9.22	7.12	22.35	28.32
	2	(untitled)	A	1135	2263	80	1463	78	16	8.44	9.75	30.91	27.16
	3	(untitled)	A	1094	2263	80	1286	85	6	15.97	21.80	69.54	35.37
Ff	1	(untitled)		296	1900	120	1900	16	477	0.17	0.01	0.03	33.26
	2	(untitled)		207	1900	120	205	101	-10	865.71	54.82	114.46	898.76
G	1	(untitled)	F	384	2050	28	483	80	13	51.10	9.93	36.75	67.08
	2	(untitled)	F	165	2050	28	500	33	172	40.64	2.84	10.75	52.03
Gf	1	(untitled)		381	2050	120	2049	19	384	0.22	4.66	66.22	3.25
	2	(untitled)		135	2050	120	2050	7	1267	0.06	0.00	0.03	3.07
xA	1	(untitled)		1361	2263	120	2247	61	49	1.28	3.08	7.71	18.50
	2	(untitled)		1276	2263	120	2263	56	60	1.03	0.36	0.91	18.27
xB	1	(untitled)		1418	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	1	(untitled)		559	1900	120	1233	45	98	7.67	11.79	58.63	16.34
	2	(untitled)		313	1900	120	1379	23	297	3.20	4.70	23.31	11.90
xD	1	(untitled)		773	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
	2	(untitled)		261	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
xE	1	(untitled)		1054	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		322	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	1	(untitled)		693	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
Cc1	1	(untitled)	E	323	2050	64	1128	29	214	3.83	2.58	15.49	10.55
E1	1	(untitled)	G	288	2050	28	513	56	60	36.02	5.16	37.06	42.02
	2	(untitled)	G	537	2200	28	550	98	-8	124.31	22.32	160.42	130.31
Gf1	1	(untitled)		33	692	120	692	5	1785	0.44	0.10	1.16	4.14
Cc2	2	(untitled)	D	697	2150	66	1193	58	54	13.53	9.70	60.89	20.61
	3	(untitled)	D	630	2050	66	1162	54	66	12.83	13.14	84.66	20.20
	4	(untitled)	D	836	2150	66	835	100	-10	95.32	27.93	180.50	102.25
	5	(untitled)	D	557	2050	66	557	100	-10	119.05	24.55	159.26	127.03
E2	3	(untitled)	H	381	2150	28	521	73	23	29.93	6.21	67.05	33.92
	4	(untitled)	H	135	2050	28	513	26	242	19.34	2.37	25.04	23.41
TC5	2	(untitled)	A	1165	2263	101	1942	60	50	2.07	2.80	69.82	4.83

		3	(untitled)	A	1276	2263	101	1942	66	37	1.91	1.15	28.79	4.67	
		4	(untitled)	C	0	1800	11	180	0	Unrestricted	0.00	0.00	0.00	0.00	
	TC9		1	(untitled)	B	554	1925	86	1428	39	132	6.42	6.22	39.02	17.43
			2	(untitled)	B	405	1966	86	1458	28	224	5.52	3.99	24.91	16.57
			3	(untitled)	B	265	1947	86	1444	18	390	4.92	2.45	15.20	16.04
	TC35	1	(untitled)	A	195	1900	101	1631	12	651	1.00	0.48	11.52	3.90	
	TC36	1	(untitled)		44	1800	120	1800	2	3582	0.03	0.00	0.01	3.05	
	TC37	1	(untitled)	J	15	1850	105	1634	1	9705	0.89	0.06	0.76	4.08	
	TC38	1	(untitled)		15	266	120	266	6	1496	2.94	2.42	65.19	4.48	
	TC39		2	(untitled)		1165	2263	120	2263	51	75	0.84	0.27	4.45	3.38
			3	(untitled)		1276	2263	120	2263	56	60	1.03	0.36	6.29	3.42
	TC40		2	(untitled)		1180	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
			3	(untitled)		1276	Unrestricted	120	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
	TC41	1	(untitled)	D	29	1850	8	139	21	331	55.61	2.44	25.71	59.55	
	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)		872	1300	120	1300	67	34	2.81	0.68	2.93	18.84	
	48	1	(untitled)		1587	1965	120	1382	115	-22	246.82	128.25	1337.77	253.44	
	49		1	(untitled)		554	1900	120	1900	29	209	0.39	0.06	1.31	3.54
			2	(untitled)		670	1900	120	1900	35	155	0.52	0.10	2.10	3.66
50	1	(untitled)		1944	1900	120	1754	111	-19	185.88	128.11	1529.96	191.66		
51	1	(untitled)		842	1900	120	503	168	-46	735.64	186.88	2867.86	740.14		

Data Entry - Stage Start and End

Resultant Stage

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
769-1	1	✓	1	A	96	5	29	1	7
	2	✓	2	B	12	31	19	1	7
	3		1	A	36	65	29	1	7
	4		2	B	72	91	19	1	7
769-2	1	✓	4	D,E,H,I	97	4	27	1	3
	2	✓	5	F,G,J,K	15	23	8	1	8
	3		4	D,E,H,I	37	64	27	1	3
	4		5	F,G,J,K	75	83	8	1	8
770-1	1	✓	1	A,C	99	7	28	1	5
	2	✓	2	B	14	34	20	1	7

	3		1	A,C	39	67	28	1	5
	4		2	B	74	94	20	1	7
770-2	1	✓	4	D	36	17	101	1	7
	2	✓	5	E	22	29	7	1	5
770-3	1	✓	7	F,I,J	100	10	30	1	2
	2	✓	9	G,H	21	28	7	1	1
	3		7	F,I,J	40	70	30	1	2
	4		9	G,H	81	88	7	1	1
770-4	1	✓	11	L	39	19	100	1	7
	2	✓	12	M	24	32	8	1	6
771-1	1	✓	1	A,C	106	20	34	1	9
	2	✓	3	B	31	41	10	1	7
	3		1	A,C	46	80	34	1	9
	4		3	B	91	101	10	1	7
771-2	1	✓	5	D	106	18	32	1	7
	2	✓	6	E	23	41	18	1	7
	3		5	D	46	78	32	1	7
	4		6	E	83	101	18	1	7
TC777-1	1	✓	1	A,B,F	4	89	85	1	6
	2	✓	2	A,C,F,G	94	105	11	1	7
	3	✓	5	D,H,I	112	118	6	1	6
TC777-2	1	✓	1	J	45	30	105	1	7
	2	✓	2	K	35	40	5	1	5

Data Entry - Phase

Phase

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

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

Data Entry - Traffic Stream

Traffic Stream

Arm	Traffic Stream	Auto length	Length (m)	Traffic model	Max queue storage (PCU)	Traffic type	Has Saturation Flow	Is signal controlled	Is give way	Saturation flow source	Saturation flow (PCU/hr)	Delay weighting multiplier (%)	Stop weighting multiplier (%)
A	1	✓	74.52	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	76.88	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	78.61	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	4	✓	80.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ac	1	✓	95.80	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	2	✓	92.34	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	87.95	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
Acf	1	✓	69.59	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	70.42	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Af	1	✓	53.54	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	53.19	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	53.01	CTM	0.00	Normal	✓			Directly entered	2050	100	100
B	1	✓	94.67	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	97.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	99.69	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	4	✓	102.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Bc	1	✓	132.85	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	131.47	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100

	3	✓	130.10	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Bcf	1	✓	62.67	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	63.14	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.35	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	62.25	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Bf	1	✓	227.81	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
	2	✓	228.44	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
C	1	✓	121.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	122.36	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Cf	1	✓	144.60	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
	2	✓	145.86	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
D	1		55.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2		55.00	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
	3	✓	52.87	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	100
Dc	1	✓	50.67	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	48.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	46.78	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	4	✓	44.83	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
Dcf	1	✓	65.95	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	65.92	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	68.61	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	66.73	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	66.90	CTM	0.00	Normal	✓			Directly entered	2100	100	100
Df	1		200.00	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
	2		200.00	NetworkDefault	0.00	Normal	✓			Directly entered	2250	100	100
Dxp	1	✓	46.62	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	48.64	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ec	1	✓	50.09	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	46.77	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	4	✓	45.93	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	100

Ecf	1	✓	45.94	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	2	✓	46.37	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	46.93	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	50.37	CTM	0.00	Normal	✓			Directly entered	2300	100	100
Ef	1	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	1	✓	51.83	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.71	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	1	✓	85.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	87.25	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
Fc	1	✓	183.21	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	2	✓	181.45	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	180.28	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
Ff	1	✓	275.73	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
	2	✓	275.39	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
G	1	✓	155.36	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	151.80	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Gf	1	✓	40.48	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	40.06	CTM	0.00	Normal	✓			Directly entered	2050	100	100
xA	1	✓	229.66	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	229.97	CTM	0.00	Normal	✓			Directly entered	2263	100	100
xB	1	✓	77.15	NetworkDefault	0.00	Normal						100	100
xC	1	✓	115.60	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
	2	✓	115.98	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
xD	1	✓	121.71	NetworkDefault	0.00	Normal						100	100
	2	✓	122.74	NetworkDefault	0.00	Normal						100	100
xE	1	✓	173.89	NetworkDefault	0.00	Normal						100	100
	2	✓	173.83	NetworkDefault	0.00	Normal						100	100
xF	1	✓	162.53	NetworkDefault	0.00	Normal						100	100
Cc1	1	✓	95.84	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E1	1		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100

	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
Gf1	1	✓	49.26	NetworkDefault	0.00	Normal			✓			100	100
Cc2	2	✓	91.58	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	89.25	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	4	✓	88.96	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	5	✓	88.65	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E2	3	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
TC5	2	✓	23.03	CTM	0.00	Normal	✓	✓		Sum of lanes	2263	100	100
	3	✓	23.02	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	4	✓	24.43	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
TC9	1	✓	91.71	CTM	0.00	Normal	✓	✓		Directly entered	1925	100	100
	2	✓	92.11	CTM	0.00	Normal	✓	✓		Sum of lanes	1966	100	100
	3	✓	92.69	CTM	0.00	Normal	✓	✓		Sum of lanes	1947	100	100
TC35	1	✓	24.16	CTM	0.00	Normal	✓	✓		Directly entered	1900	100	100
TC36	1	✓	25.22	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
TC37	1	✓	44.32	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
TC38	1	✓	21.32	CTM	0.00	Normal	✓		✓	Directly entered	1850	100	100
TC39	2	✓	35.24	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	33.28	CTM	0.00	Normal	✓			Directly entered	2263	100	100
TC40	2	✓	58.74	PDM	0.00	Normal						100	100
	3	✓	55.82	PDM	0.00	Normal						100	100
TC41	1	✓	54.63	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
TC42	1	✓	23.35	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1771	100	100
TC43	1	✓	51.77	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
47	1	✓	133.63	CTM	0.00	Normal	✓			Directly entered	1300	100	100
48	1	✓	55.12	NetworkDefault	0.00	Normal	✓			Sum of lanes	1965	100	100
49	1	✓	26.24	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	26.24	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
50	1	✓	48.15	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
51	1	✓	37.47	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100

Data entry - Link

Results - Pedestrian

Pedestrian Crossings: Pedestrian summary

Time Segment	Pedestrian crossing	Side	Calculated Flow Entering (Ped/hr)	Degree of saturation (%)	Actual green (s (per cycle))	Mean Delay Per Ped (s)	Mean max queue (Ped)
07:30-08:30	1	1	0	0	7	0.00	0.00
		2	0	0	7	0.00	0.00
	2	1	0	0	56	0.00	0.00
		2	0	0	56	0.00	0.00
	3	1	0	0	8	0.00	0.00
		2	0	0	8	0.00	0.00
	4	1	0	0	68	0.00	0.00
		2	0	0	68	0.00	0.00
	5	1	0	0	68	0.00	0.00
		2	0	0	68	0.00	0.00
	6	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	7	1	0	0	68	0.00	0.00
		2	0	0	68	0.00	0.00
	8	1	0	0	0	0.00	0.00
		2	0	0	0	0.00	0.00
	9	1	0	0	20	0.00	0.00
		2	0	0	20	0.00	0.00
	10	1	0	0	32	0.00	0.00
		2	0	0	32	0.00	0.00
	11	1	0	0	64	0.00	0.00
		2	0	0	64	0.00	0.00
	12	1	0	0	62	0.00	0.00
		2	0	0	62	0.00	0.00
	13	1	0	0	8	0.00	0.00
		2	0	0	8	0.00	0.00
	14	1	0	0	102	0.00	0.00
		2	0	0	102	0.00	0.00
	15	1	0	0	11	0.00	0.00
		2	0	0	11	0.00	0.00
	16	1	0	0	6	0.00	0.00
		2	0	0	6	0.00	0.00
	17	1	0	0	5	0.00	0.00
		2	0	0	5	0.00	0.00

Collections

Point to Point Journey Time

Average Journey Time (s) for Local Matrix: 1

		To							
		A28	B28	C28	D28	E28	F28	G28	H28
From	A28	0.0	298.7	302.6	397.8	406.3	456.4	717.2	0.0
	B28	674.5	0.0	359.8	579.1	444.8	628.9	651.2	0.0
	C28	504.5	478.0	0.0	573.0	566.0	692.8	650.8	0.0
	D28	838.4	1128.6	2776.1	0.0	2722.6	821.3	830.4	0.0
	E28	428.0	149.8	1232.6	285.2	0.0	329.0	337.7	0.0
	F28	111.8	153.3	442.2	403.9	439.2	0.0	15.8	0.0

	G28	60.5	99.9	518.3	114.4	462.7	179.6	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	601	502.11	834.67	0.00	0.00	0.00	601	502.11	834.67
24	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
25	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
32	C28	E28	182	565.99	526.66	0.00	0.00	0.00	182	565.99	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	520	431.06	693.05	0.00	0.00	0.00	520	431.06	693.05
42	E28	C28	40	1232.33	1065.88	0.00	0.00	0.00	40	1232.33	1065.88
43	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
44	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
45	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
49	C28	D28	340	573.05	514.00	0.00	0.00	0.00	340	573.05	514.00
50	E28	D28	57	285.21	370.08	0.00	0.00	0.00	57	285.21	370.08
68	E28	G28	188	337.80	737.43	0.00	0.00	0.00	188	337.80	737.43
86	F28	D28	3	160.82	871.13	0.00	0.00	0.00	3	160.82	871.13
91	C28	F28	24	692.82	787.40	0.00	0.00	0.00	24	692.82	787.40
92	E28	F28	33	328.96	644.57	0.00	0.00	0.00	33	328.96	644.57
96	A28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
97	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
98	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
99	C28	B28	35	476.35	753.91	0.00	0.00	0.00	35	476.35	753.91
100	E28	B28	135	127.84	623.35	0.00	0.00	0.00	135	127.84	623.35
101	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
102	A28	C28	354	292.17	696.48	0.00	0.00	0.00	354	292.17	696.48
103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
104	C28	G28	615	701.53	880.25	0.00	0.00	0.00	615	701.53	880.25
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
106	G28	C28	141	552.25	769.84	0.00	0.00	0.00	141	552.25	769.84
107	A28	B28	27	296.86	716.08	0.00	0.00	0.00	27	296.86	716.08
108	B28	G28	332	658.85	1057.75	0.00	0.00	0.00	332	658.85	1057.75
109	C28	G28	230	464.24	873.55	0.00	0.00	0.00	230	464.24	873.55
110	E28	G28	22	336.76	731.08	0.00	0.00	0.00	22	336.76	731.08
111	B28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
112	F28	G28	15	15.83	149.60	0.00	0.00	0.00	15	15.83	149.60
113	F28	A28	9	111.81	347.74	0.00	0.00	0.00	9	111.81	347.74
114	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
115	B28	C28	9	369.57	558.16	0.00	0.00	0.00	9	369.57	558.16
116	F28	C28	1	534.78	731.34	0.00	0.00	0.00	1	534.78	731.34
117	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
118	F28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
119	F28	E28	1	283.02	882.77	0.00	0.00	0.00	1	283.02	882.77
120	F28	E28	1	160.80	886.05	0.00	0.00	0.00	1	160.80	886.05
121	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
122	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
123	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
124	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
126	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
127	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

128	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
129	F28	C28	1	148.45	732.12	0.00	0.00	0.00	1	148.45	732.12
130	G28	C28	141	662.01	770.24	0.00	0.00	0.00	141	662.01	770.24
131	G28	E28	123	688.65	921.19	0.00	0.00	0.00	123	688.65	921.19
132	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
133	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
134	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
135	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
136	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
137	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
138	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
139	D28	E28	6	2928.70	1229.52	0.00	0.00	0.00	6	2928.70	1229.52
140	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
141	D28	E28	6	2911.94	1232.51	0.00	0.00	0.00	6	2911.94	1232.51
142	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
143	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
144	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
145	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
146	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
147	F28	E28	1	666.04	882.69	0.00	0.00	0.00	1	666.04	882.69
148	F28	D28	3	647.05	870.77	0.00	0.00	0.00	3	647.05	870.77
149	C28	B28	3	497.63	757.09	0.00	0.00	0.00	3	497.63	757.09
150	E28	B28	381	157.57	625.89	0.00	0.00	0.00	381	157.57	625.89
151	B28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
152	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
153	F28	B28	7	153.27	751.33	0.00	0.00	0.00	7	153.27	751.33
154	E28	A28	18	340.35	694.21	0.00	0.00	0.00	18	340.35	694.21
155	E28	C28	4	386.11	1072.77	0.00	0.00	0.00	4	386.11	1072.77
156	C28	G28	60	702.38	875.68	0.00	0.00	0.00	60	702.38	875.68
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	B28	D28	289	579.13	699.67	0.00	0.00	0.00	289	579.13	699.67
159	B28	E28	145	579.10	714.59	0.00	0.00	0.00	145	579.10	714.59
160	B28	G28	187	637.62	1062.09	0.00	0.00	0.00	187	637.62	1062.09
161	B28	F28	27	628.91	969.24	0.00	0.00	0.00	27	628.91	969.24
162	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
163	B28	A28	39	674.47	1018.87	0.00	0.00	0.00	39	674.47	1018.87
164	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
165	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
166	B28	C28	89	358.80	555.13	0.00	0.00	0.00	89	358.80	555.13
167	B28	E28	470	403.33	709.11	0.00	0.00	0.00	470	403.33	709.11
168	G28	A28	365	60.52	385.83	0.00	0.00	0.00	365	60.52	385.83
169	G28	B28	65	100.36	789.43	0.00	0.00	0.00	65	100.36	789.43
170	G28	B28	65	99.41	789.81	0.00	0.00	0.00	65	99.41	789.81
171	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
175	G28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
176	G28	E28	70	235.19	921.85	0.00	0.00	0.00	70	235.19	921.85
177	G28	D28	131	114.35	910.21	0.00	0.00	0.00	131	114.35	910.21
178	G28	E28	34	113.90	925.13	0.00	0.00	0.00	34	113.90	925.13
181	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
185	A28	B28	27	300.57	715.70	0.00	0.00	0.00	27	300.57	715.70
186	A28	C28	49	377.72	699.40	0.00	0.00	0.00	49	377.72	699.40
187	A28	E28	326	409.77	850.36	0.00	0.00	0.00	326	409.77	850.36
195	D28	G28	198	830.54	744.99	0.00	0.00	0.00	198	830.54	744.99
196	D28	F28	48	821.29	652.14	0.00	0.00	0.00	48	821.29	652.14
197	D28	G28	53	830.04	740.41	0.00	0.00	0.00	53	830.04	740.41
198	D28	A28	3	838.41	704.14	0.00	0.00	0.00	3	838.41	704.14

199	D28	B28	98	867.81	1101.91	0.00	0.00	0.00	98	867.81	1101.91
200	D28	B28	98	866.28	1102.29	0.00	0.00	0.00	98	866.28	1102.29
201	D28	C28	220	2805.18	1078.16	0.00	0.00	0.00	220	2805.18	1078.16
204	D28	C28	45	2634.00	1077.09	0.00	0.00	0.00	45	2634.00	1077.09
205	D28	E28	27	2672.49	1228.05	0.00	0.00	0.00	27	2672.49	1228.05
206	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
207	D28	E28	6	2566.01	1231.32	0.00	0.00	0.00	6	2566.01	1231.32
210	A28	G28	617	839.38	1200.07	0.00	0.00	0.00	617	839.38	1200.07
211	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
212	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
213	A28	E28	102	401.96	856.77	0.00	0.00	0.00	102	401.96	856.77
214	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
215	G28	F28	30	179.61	1179.78	0.00	0.00	0.00	30	179.61	1179.78
218	A28	G28	289	465.23	1204.28	0.00	0.00	0.00	289	465.23	1204.28
219	A28	F28	73	456.43	1111.43	0.00	0.00	0.00	73	456.43	1111.43
220	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
221	F28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
222	A28	D28	2	397.84	838.43	0.00	0.00	0.00	2	397.84	838.43
223	A28	E28	68	395.83	853.35	0.00	0.00	0.00	68	395.83	853.35
224	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
225	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
226	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
227	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
228	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
229	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
230	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
231	A28	G28	10	465.17	1199.70	0.00	0.00	0.00	10	465.17	1199.70
232	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
233	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
234	C28	G28	170	701.56	875.67	0.00	0.00	0.00	170	701.56	875.67
235	E28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
236	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
237	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
238	D28	B28	36	2545.26	1099.55	0.00	0.00	0.00	36	2545.26	1099.55
239	D28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
240	G28	C28	59	93.91	770.21	0.00	0.00	0.00	59	93.91	770.21
241	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
242	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
243	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
244	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
245	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
246	E28	C28	40	1317.59	1066.29	0.00	0.00	0.00	40	1317.59	1066.29
247	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
248	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
249	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
250	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
251	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
252	F28	C28	1	643.38	731.74	0.00	0.00	0.00	1	643.38	731.74
253	F28	E28	1	647.03	885.69	0.00	0.00	0.00	1	647.03	885.69
254	A28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
255	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
256	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
257	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
258	C28	A28	7	707.79	838.81	0.00	0.00	0.00	7	707.79	838.81
259	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
260	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

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

Final Prediction Table

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES	WEIGHTS		PENALTIES	P.I.
Arm	Traffic Stream	Name	Traffic node	Cont roller stream	Phase	Calcu lated flow entering (PCU/hr)	Calcu lated sat flow (PCU/hr)	Act ual gre en (s (per cycle))	Waste d time total (s (per cycle))	Degree of saturation (%)	Practi cal reserve capacity (%)	Journe yTime (s)	Me an Delay per Veh (s)	Me an stops per Veh (%)	Mea n max que ue (PCU)	Delay weighting multiplier (%)	Stop weighing multiplier (%)	Cost of traffic penalties (£ per hr)	P.I.
A	1	(untitled)	6	771-2	E	374	2050	36	0.00	58	56	21.20	15.61	78.02	5.52	100	100	0.00	32.40
	2	(untitled)	6	771-2	E	197	2050	36	0.00	30	197	17.42	11.65	67.41	2.56	100	100	0.00	13.32
	3	(untitled)	6	771-2	E	428 <	2050	36	12.95	100	-10	166.14	16.02	16.81	21.48+	100	100	0.00	293.33
	4	(untitled)	6	771-2	E	270	2050	36	0.00	42	116	19.72	13.70	75.15	4.79	100	100	0.00	21.10
Ac	1	(untitled)	6	771-2	D	1045	2263	64	0.00	84	7	29.75	22.57	78.46	16.46	100	100	0.00	119.32
	2	(untitled)	6	771-2	D	120	2263	64	43.11	10	817	10.61	1.11	38.29	1.82	100	100	0.00	1.31
	3	(untitled)	6	771-2	D	277 <	2263	64	51.35	100	-10	270.17	26.35	24.23	21.98+	100	100	0.00	309.60
Acf	1	(untitled)	6			1165	2263	120	16.00	51	75	6.06	0.84	0.00	0.27	100	100	0.00	3.88
	2	(untitled)	6			277 <	2263	120	105.31	100	-10	235.70	22.84	20.55	19.63+	100	100	0.00	259.33
Af	1	(untitled)	6			571	2050	120	29.00	28	223	6.76	0.34	0.00	0.05	100	100	0.00	0.76
	2	(untitled)	6			412	2050	120	93.22	81	11	50.95	44.57	11.69	9.00	100	100	0.00	78.38
	3	(untitled)	6			270	2050	120	29.00	13	583	6.49	0.13	0.00	0.01	100	100	0.00	0.14
B	1	(untitled)	1	769-1	B	368	2050	38	0.00	54	67	25.68	18.58	72.54	4.45	100	100	0.00	35.55
	2	(untitled)	1	769-1	B	402	2150	38	1.75	59	54	26.79	19.50	77.25	5.26	100	100	0.00	40.85
	3	(untitled)	1	769-1	B	428	2100	38	14.57	62	45	37.82	30.34	10.77	7.70	100	100	0.00	65.98
	4	(untitled)	1	769-1	B	557 <	2050	38	7.41	100	-10	161.23	14.89	24.06	28.71+	100	100	0.00	343.86
Bc	1	(untitled)	1	769-1	A	339	2050	58	10.00	33	172	14.17	2.21	9.48	0.53	100	100	0.00	3.67

	2	(untitled)	1	769-1	A	636 <	2050	58	22.81	100	-10	168.29	156.45	267.91	33.64+	100	100	0.00	430.64
	3	(untitled)	1	769-1	A	316	2050	58	25.37	42	117	17.80	6.10	62.76	4.15	100	100	0.00	12.03
Bc f	1	(untitled)	1			1418	2263	120	16.00	63	44	5.48	1.33	0.00	0.52	100	100	0.00	7.44
	2	(untitled)	1			339	2263	120	42.00	15	502	5.70	0.14	0.00	0.01	100	100	0.00	0.19
	3	(untitled)	1			636 <	2263	120	86.26	100	-10	115.12	109.39	132.00	22.68+	100	100	0.00	296.13
	4	(untitled)	1			316	2263	120	55.00	14	544	6.33	0.13	0.00	0.01	100	100	0.00	0.16
Bf	1	(untitled)	1			770	1800	120	0.00	43	110	28.08	0.75	0.00	0.16	100	100	0.00	2.27
	2	(untitled)	1			984 <	1800	120	51.26	95	-6	109.52	82.10	249.17	46.20+	100	100	0.00	349.54
C	1	(untitled)	2	769-2	G	495	2100	30	0.00	88	2	65.20	50.67	129.34	10.92	100	100	0.00	106.89
	2	(untitled)	2	769-2	G	564 <	2200	30	0.00	96	-6	151.10	136.42	250.08	27.38+	100	100	0.00	321.41
	3	(untitled)	2	769-2	G	323	2050	30	12.00	59	52	38.41	23.48	107.71	5.81	100	100	0.00	34.30
Cf	1	(untitled)	2			495	1965	120	24.00	25	257	17.66	0.31	0.00	0.04	100	100	0.00	0.60
	2	(untitled)	2			888 <	1965	120	65.80	100	-10	126.14	108.63	210.38	39.05+	100	100	0.00	403.73
D	1	(untitled)	3	770-1	B	386	2050	40	0.00	54	67	30.03	25.90	79.04	5.09	100	100	0.00	49.21
	2	(untitled)	3	770-1	B	648 <	1850	40	0.00	100	-10	105.36	101.23	130.63	21.52+	100	100	0.00	285.70
	3	(untitled)	3	770-1	B	755 <	2250	40	1.72	100	-10	89.55	85.59	97.58	20.21+	100	100	0.00	278.60
Dc	1	(untitled)	3	770-1	A	922 <	2100	60	0.01	85	6	23.52	19.72	60.77	9.26+	100	100	0.00	89.65
	2	(untitled)	3	770-1	A	709	2100	60	0.00	65	38	15.76	12.11	62.46	7.42	100	100	0.00	48.11
	3	(untitled)	3	770-1	A	552	2100	60	17.98	70	29	15.77	12.26	75.26	5.93	100	100	0.00	40.00
	4	(untitled)	3	770-1	A	880 <	2100	60	11.72	100	-10	78.60	75.24	101.97	21.30+	100	100	0.00	289.93
Dc f	1	(untitled)	3			776	2050	120	22.00	38	138	5.48	0.53	0.04	0.12	100	100	0.00	1.64
	2	(untitled)	3			1182	2100	120	48.83	83	8	17.79	12.85	53.55	10.81	100	100	0.00	80.22
	3	(untitled)	3			709	2100	120	35.76	40	123	6.34	0.89	7.75	2.37	100	100	0.00	4.16
	4	(untitled)	3			551	2100	120	45.00	26	243	7.30	0.31	0.00	0.05	100	100	0.00	0.66
	5	(untitled)	3			880 <	2100	120	69.72	100	-10	85.25	80.23	124.51	25.67+	100	100	0.00	313.60
Df	1	(untitled)	3-2			1398 <	1900	120	54.74	135	-33	506.29	482.29	364.04	200.66+	100	100	0.00	270.667
	2	(untitled)	3-2			869 <	2250	120	79.72	115	-22	286.21	262.21	299.29	72.39+	100	100	0.00	927.13

DxP	1	(untiled)	3-2	770-2	D	775	2050	101	9.00	44	102	4.73	1.23	5.20	1.51	100	100	0.00	5.06
	2	(untiled)	3-2	770-2	D	261	2050	101	52.00	15	502	4.04	0.39	1.74	0.16	100	100	0.00	0.54
Ec	1	(untiled)	4	770-3	F	642	2150	70	5.00	50	81	11.19	7.43	41.99	4.47	100	100	0.00	27.46
	2	(untiled)	4	770-3	F	1150 <	2263	70	0.00	85	6	17.14	13.51	47.68	9.21 +	100	100	0.00	78.87
	3	(untiled)	4	770-3	F	1095	2263	70	0.00	81	12	12.25	8.74	30.02	5.52	100	100	0.00	48.32
	4	(untiled)	4	770-3	F	556	2250	70	26.00	41	118	16.68	13.24	76.14	7.07	100	100	0.00	42.64
Ecf	1	(untiled)	4			1056	2100	120	20.26	50	79	4.33	0.89	1.88	4.90	100	100	0.00	4.34
	2	(untiled)	4			961	2100	120	18.00	46	97	4.20	0.72	0.13	0.19	100	100	0.00	2.78
	3	(untiled)	4			1150	2263	120	41.22	69	30	10.43	6.91	36.87	7.23	100	100	0.00	44.95
	4	(untiled)	4			1685 <	2300	120	30.78	90	0	14.72	10.87	35.74	10.26 +	100	100	0.00	91.24
Ef	1	(untiled)	4			922 <	1900	120	67.84	112	-19	231.00	21.570	28.049	65.47 +	100	100	0.00	813.49
	2	(untiled)	4			516	1900	120	0.00	27	231	15.66	0.35	0.00	0.05	100	100	0.00	0.72
Exp	1	(untiled)	4-2	770-4	L	1054	2050	100	16.00	61	47	6.50	2.61	11.00	5.17	100	100	0.00	14.58
	2	(untiled)	4-2	770-4	L	322	2050	100	39.00	19	383	4.27	0.24	0.17	0.02	100	100	0.00	0.32
F	1	(untiled)	5	771-1	B	180	2100	20	0.00	47	93	20.65	14.26	80.88	2.65	100	100	0.00	14.77
	2	(untiled)	5	771-1	B	118	2100	20	0.00	31	193	18.09	11.66	74.13	2.39	100	100	0.00	8.26
	3	(untiled)	5	771-1	B	205 <	2100	20	10.27	100	-10	344.50	33.795	27.450	20.65 +	100	100	0.00	291.98
Fc	1	(untiled)	5	771-1	A	1348	2263	80	10.00	87	3	28.32	9.22	30.99	7.12	100	100	0.00	55.97
	2	(untiled)	5	771-1	A	1135	2263	80	12.42	78	16	27.16	8.44	46.01	9.75	100	100	0.00	46.63
	3	(untiled)	5	771-1	A	1094	2263	80	13.83	85	6	35.37	15.97	13.088	21.80	100	100	0.00	91.37
Ff	1	(untiled)	5			296	1900	120	37.00	16	477	33.26	0.17	0.34	0.01	100	100	0.00	0.22
	2	(untiled)	5			207 <	1900	120	107.02	101	-10	898.76	86.571	53.868	54.82 +	100	100	0.00	719.23
G	1	(untiled)	2	769-2	F	384	2050	28	5.76	80	13	67.08	51.10	12.444	9.93	100	100	0.00	85.47
	2	(untiled)	2	769-2	F	165	2050	28	18.73	33	172	52.03	40.64	11.025	2.84	100	100	0.00	32.37
Gf	1	(untiled)	4			381	2050	120	90.07	19	384	3.25	0.22	0.67	4.66	100	100	0.00	0.41
	2	(untiled)	4			135	2050	120	90.00	7	1267	3.07	0.06	0.00	0.00	100	100	0.00	0.03
xA	1	(untiled)	10			1361	2263	120	25.87	61	49	18.50	1.28	2.88	3.08	100	100	0.00	8.13
	2	(untiled)	10			1276	2263	120	36.00	56	60	18.27	1.03	0.00	0.36	100	100	0.00	5.17
xB	1	(untiled)				1418	Unrestricted	120	2.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	1	(untiled)				559	1900	120	54.10	45	98	16.34	7.67	61.20	11.79	100	100	0.00	27.91

	2	(untitled)				313	1900	120	64.89	23	297	11.90	3.20	46.93	4.70	100	100	0.00	8.66
xD	1	(untitled)				773	Unrestricted	120	12.00	0	Unrestricted	9.13	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				261	Unrestricted	120	55.00	0	Unrestricted	9.21	0.00	0.00	0.00	100	100	0.00	0.00
xE	1	(untitled)				1054	Unrestricted	120	10.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				322	Unrestricted	120	44.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	1	(untitled)				693	Unrestricted	120	6.00	0	Unrestricted	12.19	0.00	0.00	0.00	100	100	0.00	0.00
Cc 1	1	(untitled)	2	769-2	E	323	2050	64	16.00	29	214	10.55	3.83	20.04	2.58	100	100	0.00	7.34
E1	1	(untitled)	4	770-3	G	288	2050	28	12.00	56	60	42.02	36.02	107.09	5.16	100	100	0.00	50.90
	2	(untitled)	4	770-3	G	537 <	2200	28	0.00	98	-8	130.31	124.31	191.18	22.32 +	100	100	0.00	296.54
Gf 1	1	(untitled)	4			33	692	120	86.00	5	1785	4.14	0.44	10.17	0.10	100	100	0.00	0.17
Cc 2	2	(untitled)	2	769-2	D	697	2150	66	1.40	58	54	20.61	13.53	66.36	9.70	100	100	0.00	52.14
	3	(untitled)	2	769-2	D	630	2050	66	8.00	54	66	20.20	12.83	77.18	13.14	100	100	0.00	45.54
	4	(untitled)	2	769-2	D	836 <	2150	66	21.42	100	-10	102.25	95.32	175.72	27.93 +	100	100	0.00	361.14
	5	(untitled)	2	769-2	D	557 <	2050	66	35.41	100	-10	127.03	119.05	230.54	24.55 +	100	100	0.00	290.02
E2	3	(untitled)	4	770-3	H	381	2150	28	0.93	73	23	33.92	29.93	96.83	6.21	100	100	0.00	56.82
	4	(untitled)	4	770-3	H	135	2050	28	0.00	26	242	23.41	19.34	77.08	2.37	100	100	0.00	13.64
T C5	2	(untitled)	TC 771-6	TC77 7-1	A	1165	2263	101	18.00	60	50	4.83	2.07	7.21	2.80	100	100	0.00	10.55
	3	(untitled)	TC 771-6	TC77 7-1	A	1276	2263	101	23.00	66	37	4.67	1.91	2.71	1.15	100	100	0.00	10.06
	4	(untitled)	TC 771-6	TC77 7-1	C	0	1800	11	12.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	100	0.00	0.00
T C9	1	(untitled)	TC 771-6	TC77 7-1	B	554	1925	86	0.00	39	132	17.43	6.42	33.12	6.22	100	100	0.00	16.34
	2	(untitled)	TC 771-6	TC77 7-1	B	405	1966	86	0.00	28	224	16.57	5.52	29.56	3.99	100	100	0.00	10.32
	3	(untitled)	TC 771-6	TC77 7-1	B	265	1947	86	0.00	18	390	16.04	4.92	27.73	2.45	100	100	0.00	6.06
T C3 5	1	(untitled)	TC 771-6	TC77 7-1	A	195	1900	101	24.00	12	651	3.90	1.00	7.45	0.48	100	100	0.00	0.95
T C3 6	1	(untitled)	TC 771-6			44	1800	120	120.00	2	3582	3.05	0.03	0.00	0.00	100	100	0.00	0.00
T C3 7	1	(untitled)	TC 771-6	TC77 7-2	J	15	1850	105	105.00	1	9705	4.08	0.89	11.68	0.06	100	100	0.00	0.11
T C3 8	1	(untitled)	TC 771-6			15	266	120	53.00	6	1496	4.48	2.94	51.50	2.42	100	100	0.00	0.44

T C39	2	(untitled)	TC 771-6			1165	2263	120	35.00	51	75	3.38	0.84	0.00	0.27	100	100	0.00	3.87
	3	(untitled)	TC 771-6			1276	2263	120	40.00	56	60	3.42	1.03	0.00	0.36	100	100	0.00	5.17
T C40	2	(untitled)	TC 771-6			1180	Unrestricted	120	15.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC 771-6			1276	Unrestricted	120	20.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
T C41	1	(untitled)	TC 771-6	TC77-7-1	D	29	1850	8	7.00	21	331	59.55	55.61	95.32	2.44	100	100	0.00	7.32
T C42	1	(untitled)	TC 771-6	TC77-7-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
T C43	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			872	1300	120	12.00	67	34	18.84	2.81	0.00	0.68	100	100	0.00	9.66
48	1	(untitled)	2			1587 <	1965	120	35.58	115	-22	253.44	24.68	29.73	128.25+	100	100	0.00	159.659
49	1	(untitled)	TC 771-6			554	1900	120	0.00	29	209	3.54	0.39	0.00	0.06	100	100	0.00	0.85
	2	(untitled)	TC 771-6			670	1900	120	0.00	35	155	3.66	0.52	0.00	0.10	100	100	0.00	1.36
50	1	(untitled)	1			1944 <	1900	120	9.22	111	-19	191.66	18.58	26.91	128.11+	100	100	0.00	148.452
51	1	(untitled)	4-2			842 <	1900	120	88.25	168	-46	740.14	73.56	41.73	186.88+	100	100	0.00	246.953

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 saturation flow (Ped/hr)	Actual green (s per cycle)	Degree of saturation (%)	Practical reserve capacity	Journey Time (s)	Mean Delay per Ped (s)	Mean queue (Ped)	Delay weighting (%)	Cost of traffic penalties (£ per hr)	P.I.
1	1	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
2	1	(untitled)	3	770-1	C	0	11000	56	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	3	770-1	C	0	11000	56	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
3	1	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
4	1	(untitled)	4	770-3	J	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	J	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
5	1	(untitled)	4	770-3	I	0	11000	68	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

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

Network Results

	Distance travelled (PCU-km/hr)	Time spent (PCU-hr/hr)	Mean journey speed (kph)	Total delay (PCU-hr/hr)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Excess queue penalty (£ per hr)	Performance Index (£ per hr)
Normal traffic	6720.25	1370.49	4.90	1195.33	16973.74	1109.52	0.00	18083.26
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	6720.25	1370.49	4.90	1195.33	16973.74	1109.52	0.00	18083.26

- < = adjusted flow warning (upstream links/traffic streams are over-saturated)
- * = Traffic Stream - Normal, Bus or Tram Stop or Delay weighting has been set to a value other than 100%

- \wedge = Traffic Stream - Normal, Bus or Tram Stop or Delay Path weighting has been set to a value other than 100%
- + = average link/traffic stream excess queue is greater than 0
- **P.I. = PERFORMANCE INDEX**

TRANSYT 16

Version: 16.0.1.8473
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Filename: M62 JN 28 CRF Scheme_Mar 20_PF_Sept 20_RevE.t16
Path: P:\133--\A13398-VAA Land at Chidswell\30 Technical\31 Modelling\Transyt\Base
Report generation date: 24/01/2021 10:55:42

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Summary of network performance

	Set ID	Cycle time (s)	PI (£ per hr)	Total delay (PCU-hr/hr)	Highest DOS	Number oversaturated
	PM Base 2032 + Dev - PM 2032 + Dev					
Network	A10 D10	60	15759.61	1025.18	149% (TS 51/1)	30 (20%)

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

File summary

File description

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

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

Model and Results

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

Units

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

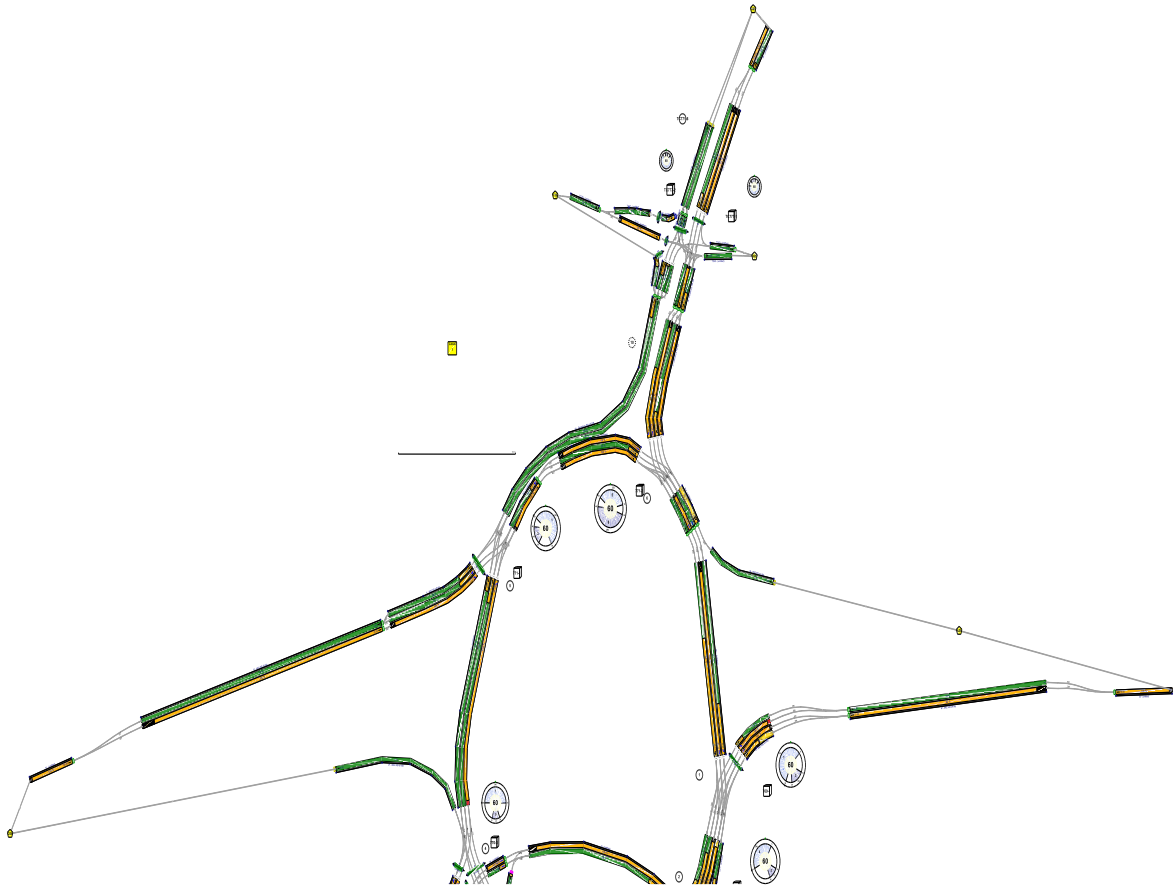
Sorting

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

Simulation options

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

Network Diagrams



A10 - PM Base 2032 + Dev D10 - PM 2032 + 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: Resultant Flows have warnings in one or more time segments - see the Resultant Flows tab of the OD Matrix screen.
Warning	Traffic Stream Signals	Arm TC5 - Traffic Stream 4 - Signals (TC777-1, C)	Traffic Stream 4 controlling phase C never runs in the current stage sequence.
Warning	Traffic Stream Signals	Arm TC42 - Traffic Stream 1 - Signals (TC777-1, E)	Traffic Stream 1 controlling phase E never runs in the current stage sequence.
Info	Arm Data	Arm xC	No traffic node specified for arm(s): xC
Info	Traffic Stream Signals	Arm TC5 - Traffic Stream 4 - Signals (TC777-1, C)	Traffic Stream 4 controlling phase C never runs in stage sequence 1.
Info	Traffic Stream Signals	Arm TC42 - Traffic Stream 1 - Signals (TC777-1, E)	Traffic Stream 1 controlling phase E never runs in stage sequence 1.

Run Summary

Analysis set used	Run start time	Run finish time	Run duration (s)	Modeling start time (HH:mm)	Network Cycle Time (s)	Performance Index (£ per hr)	Total network delay (PCU - hr/hr)	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
10	24/01/2021 10:54:28	24/01/2021 10:54:44	16.62	16:30	60	15759.61	1025.18	148.66	51/1	30	20	TC5/4	51/1	TC5/4	

Analysis Set Details

Name	Use Simulation	Description	Use specific Demand Set(s)	Specific Demand Set(s)	Optimise specific Demand Set(s)	Include in report	Locked
PM Base 2032 + Dev			✓	D10		✓	

Demand Set Details

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

Network Options

Network timings

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

Signals options

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

Advanced

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

Traffic options

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

Advanced

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

Normal Traffic parameters

Dispersion type	Dispersion coefficient	Travel time coefficient
Default	35	80

Normal Traffic Types

Name	PCU Factor
Normal	1.00

Bus parameters

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

Tram parameters

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

Pedestrian parameters

Dispersion type
Default

Optimisation options

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

Advanced

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

Economics

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

Traffic Nodes

Traffic Nodes

Traffic node	Name	Description
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(ALL)	(untitled)	
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Arms and Traffic Streams

Arms

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

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

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto length	Length (m)	Has Saturation Flow	Saturation flow source	Saturation flow (PCU/hr)	Auto-calculated cell saturation flow	Cell saturation flow (PCU/hr)	Is signal controlled	Is give way	Traffic type	Allow Nearside Turn On Red
A	1	(untitled)	M62E	✓	74.52	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Wake	✓	76.88	✓	Directly entered	2050		2050	✓		Normal	
	3	(untitled)	Dews	✓	78.61	✓	Directly entered	2050		2050	✓		Normal	
	4	(untitled)	Brad/M62W	✓	80.35	✓	Directly entered	2050		2050	✓		Normal	
Ac	1	(untitled)	M62E	✓	95.80	✓	Directly entered	2263		2263	✓		Normal	
	2	(untitled)	Wake	✓	92.34	✓	Directly entered	2263		2263	✓		Normal	
	3	(untitled)	Dews/Brad	✓	87.95	✓	Directly entered	2263		2263	✓		Normal	
Acf	1	(untitled)		✓	69.59	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	70.42	✓	Directly entered	2263		2263			Normal	
Af	1	(untitled)	M62E/Wake	✓	53.54	✓	Directly entered	2050		2050			Normal	
	2	(untitled)	Dews	✓	53.19	✓	Directly entered	2050		2050			Normal	
	3	(untitled)	Brad/M62W	✓	53.01	✓	Directly entered	2050		2050			Normal	
B	1	(untitled)	Wake/Dews	✓	94.67	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Brad	✓	97.18	✓	Directly entered	2150		2150	✓		Normal	
	3	(untitled)	Leeds	✓	99.69	✓	Directly entered	2100		2100	✓		Normal	
	4	(untitled)		✓	102.42	✓	Directly entered	2050		2050	✓		Normal	
Bc	1	(untitled)	Wake	✓	132.85	✓	Directly entered	2050		2050	✓		Normal	
	2	(untitled)	Dews	✓	131.47	✓	Directly entered	2050		2263	✓		Normal	
	3	(untitled)	Brad/M62W	✓	130.10	✓	Directly entered	2050		2050	✓		Normal	
Bcf	1	(untitled)		✓	62.67	✓	Directly entered	2263		2263			Normal	
	2	(untitled)		✓	63.14	✓	Directly entered	2263		2050			Normal	
	3	(untitled)		✓	62.35	✓	Directly entered	2263		2050			Normal	
	4	(untitled)		✓	62.25	✓	Directly entered	2263		2050			Normal	
Bf	1	(untitled)		✓	227.81	✓	Sum of lanes	1800		1600			Normal	
	2	(untitled)		✓	228.44	✓	Sum of lanes	1800		1700			Normal	
C	1	(untitled)	Dews/Brad	✓	121.13	✓	Directly entered	2100		2050	✓		Normal	
	2	(untitled)	M62W/Brad/Leeds	✓	122.36	✓	Directly entered	2200		2100	✓		Normal	

	3	(untitled)	Leeds/M62E	✓	124.35	✓	Directly entered	2050		1900	✓		Normal
Cf	1	(untitled)		✓	144.60	✓	Sum of lanes	1965		1965			Normal
	2	(untitled)		✓	145.86	✓	Sum of lanes	1965		1965			Normal
D	1	(untitled)	Brad/M62		55.00	✓	Directly entered	2050		2050	✓		Normal
	2	(untitled)	Leeds		55.00	✓	Directly entered	1850		2075	✓		Normal
	3	(untitled)	Leeds/M62/Wake	✓	52.87	✓	Directly entered	2250		2250	✓		Normal
Dc	1	(untitled)	Brad	✓	50.67	✓	Directly entered	2100		2100	✓		Normal
	2	(untitled)	Brad/M62W	✓	48.72	✓	Directly entered	2100		2100	✓		Normal
	3	(untitled)	Leeds	✓	46.78	✓	Directly entered	2100		2100	✓		Normal
	4	(untitled)	Leeds/M62E	✓	44.83	✓	Directly entered	2100		2100	✓		Normal
Dcf	1	(untitled)		✓	65.95	✓	Directly entered	2050		2050			Normal
	2	(untitled)		✓	65.92	✓	Directly entered	2100		2100			Normal
	3	(untitled)		✓	68.61	✓	Directly entered	2100		2100			Normal
	4	(untitled)		✓	66.73	✓	Directly entered	2100		2100			Normal
	5	(untitled)		✓	66.90	✓	Directly entered	2100		2100			Normal
Df	1	(untitled)			200.00	✓	Sum of lanes	1900					Normal
	2	(untitled)			200.00	✓	Directly entered	2250					Normal
Dxp	1	(untitled)		✓	46.62	✓	Directly entered	2050			✓		Normal
	2	(untitled)		✓	48.64	✓	Directly entered	2050			✓		Normal
Ec	1	(untitled)	M62W	✓	50.09	✓	Directly entered	2150		2150	✓		Normal
	2	(untitled)	Leeds	✓	48.43	✓	Directly entered	2263		2263	✓		Normal
	3	(untitled)	Leeds	✓	46.77	✓	Directly entered	2263		2263	✓		Normal
	4	(untitled)	M62E	✓	45.93	✓	Directly entered	2250		2250	✓		Normal
Ecf	1	(untitled)		✓	45.94	✓	Directly entered	2100		2100			Normal
	2	(untitled)		✓	46.37	✓	Directly entered	2100		2100			Normal
	3	(untitled)		✓	46.93	✓	Directly entered	2263		2263			Normal
	4	(untitled)		✓	50.37	✓	Directly entered	2300		2300			Normal
Ef	1	(untitled)		✓	127.54	✓	Directly entered	1900					Normal
	2	(untitled)		✓	127.54	✓	Sum of lanes	1900					Normal
Exp	1	(untitled)		✓	51.83	✓	Directly entered	2050		2100	✓		Normal
	2	(untitled)		✓	53.71	✓	Directly entered	2050		2100	✓		Normal
F	1	(untitled)	Leeds	✓	85.13	✓	Directly entered	2100		2100	✓		Normal

	2	(untitled)	Wake	✓	85.72	✓	Directly entered	2100		2100	✓		Normal
	3	(untitled)	Dews/Brad	✓	87.25	✓	Directly entered	2100		2100	✓		Normal
Fc	1	(untitled)	Leeds	✓	183.21	✓	Directly entered	2263		2263	✓		Normal
	2	(untitled)	Leeds	✓	181.45	✓	Directly entered	2263		2263	✓		Normal
	3	(untitled)	M62E/Dews	✓	180.28	✓	Directly entered	2263		2263	✓		Normal
Ff	1	(untitled)		✓	275.73	✓	Sum of lanes	1900		1900			Normal
	2	(untitled)		✓	275.39	✓	Sum of lanes	1900		1900			Normal
G	1	(untitled)		✓	155.36	✓	Directly entered	2050		2050	✓		Normal
	2	(untitled)		✓	151.80	✓	Directly entered	2050		2050	✓		Normal
Gf	1	(untitled)		✓	40.48	✓	Directly entered	2050		2050			Normal
	2	(untitled)		✓	40.06	✓	Directly entered	2050		2050			Normal
xA	1	(untitled)		✓	229.66	✓	Directly entered	2263		2263			Normal
	2	(untitled)		✓	229.97	✓	Directly entered	2263		2263			Normal
xB	1	(untitled)		✓	77.15								Normal
xC	1	(untitled)		✓	115.60	✓	Sum of lanes	1900		1900			Normal
	2	(untitled)		✓	115.98	✓	Sum of lanes	1900		1900			Normal
xD	1	(untitled)		✓	121.71								Normal
	2	(untitled)		✓	122.74								Normal
xE	1	(untitled)		✓	173.89								Normal
	2	(untitled)		✓	173.83								Normal
xF	1	(untitled)		✓	162.53								Normal
Cc1	1	(untitled)	Wake	✓	95.84	✓	Directly entered	2050		2050	✓		Normal
E1	1	(untitled)	M62W/Leeds		80.00	✓	Directly entered	2050		1900	✓		Normal
	2	(untitled)	Leeds/M62E		80.00	✓	Directly entered	2200		2100	✓		Normal
Gf1	1	(untitled)		✓	49.26						✓		Normal
Cc2	2	(untitled)	Dews	✓	91.58	✓	Directly entered	2150		2100	✓		Normal
	3	(untitled)	Brad/M62W	✓	89.25	✓	Directly entered	2050		2050	✓		Normal
	4	(untitled)	Dews/Brad	✓	88.96	✓	Directly entered	2150		2100	✓		Normal
	5	(untitled)	Leeds	✓	88.65	✓	Directly entered	2050		2050	✓		Normal
E2	3	(untitled)	Wake	✓	53.28	✓	Directly entered	2150		2050	✓		Normal
	4	(untitled)	Wake	✓	54.33	✓	Directly entered	2050		2050	✓		Normal
TC5	2	(untitled)		✓	23.03	✓	Sum of lanes	2263		2263	✓		Normal

	3	1	(untitled)												
TC4 1	1	1	(untitled)												
TC4 2	1	1	(untitled)		✓	N/A	Average	0	3.00	✓	0	9.44	✓	1771	
TC4 3	1	1	(untitled)											1800	
47	1	1	(untitled)												
48	1	1	(untitled)											1965	
49	1	2	(untitled)												
	2	1	(untitled)												
50	1	1	(untitled)											1900	
51	1	1	(untitled)											1900	

Modelling

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

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

Modelling - Advanced

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

Normal traffic - Modelling

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

Normal traffic - Advanced

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

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)
A	1	905	905
	2	388	388
	3	919	919
	4	539	539
Ac	1	909	909
	2	301	301
	3	542	542
Acf	1	1210	1210
	2	542	542
Af	1	1293	1293
	2	919	919
	3	539	539
B	1	337	337
	2	424	424
	3	341	341
	4	260	260
Bc	1	776	776
	2	1314	1314
	3	598	598
Bcf	1	1814	1814
	2	776	776
	3	1314	1314
	4	598	598
Bf	1	761	761
	2	601	601
C	1	503	503
	2	424	424
	3	144	144
Cf	1	503	503
	2	568	568
D	1	411	411
	2	449	449
	3	483	483
Dc	1	871	871
	2	792	792
	3	295	295
	4	404	404
Dcf	1	1279	1279
	2	1574	1574
	3	792	792
	4	295	295
	5	404	404
Df	1	860	860
	2	483	483
Dxp	1	1279	1279
	2	703	703
Ec	1	693	693
	2	674	674
	3	518	518

	4	396	396
Ecf	1	976	976
	2	1098	1098
	3	674	674
	4	957	957
Ef	1	876	876
	2	617	617
Exp	1	976	976
	2	405	405
F	1	188	188
	2	307	307
	3	447	447
Fc	1	778	778
	2	609	609
	3	963	963
Ff	1	495	495
	2	447	447
G	1	376	376
	2	285	285
Gf	1	372	372
	2	245	245
xA	1	876	876
	2	663	663
xB	1	1814	1814
xC	1	774	774
	2	666	666
xD	1	1279	1279
	2	703	703
xE	1	976	976
	2	405	405
xF	1	807	807
Cc1	1	778	778
E1	1	309	309
	2	567	567
Gf1	1	44	44
Cc2	2	1184	1184
	3	597	597
	4	1232	1232
	5	260	260
	3	372	372
E2	4	245	245
	2	836	836
TC5	3	663	663
	4	0	0
	1	1205	1205
TC9	2	912	912
	3	441	441
	1	40	40
TC35	1	236	236
TC36	1	43	43
TC37	1	43	43
TC38	1	43	43
TC39	2	836	836
	3	663	663
TC40	2	879	879
	3	663	663

TC41	1	193	193
TC42	1	0	0
TC43	1	0	0
47	1	1439	1439
48	1	1071	1071
49	1	1205	1205
	2	1353	1353
50	1	1362	1362
51	1	942	942

Signals

Arm	Traffic Stream	Controller stream	Phase	Second phase enabled
A	1	771-2	E	
	2	771-2	E	
	3	771-2	E	
	4	771-2	E	
Ac	1	771-2	D	
	2	771-2	D	
	3	771-2	D	
B	1	769-1	B	
	2	769-1	B	
	3	769-1	B	
	4	769-1	B	
Bc	1	769-1	A	
	2	769-1	A	
	3	769-1	A	
C	1	769-2	G	
	2	769-2	G	
	3	769-2	G	
D	1	770-1	B	
	2	770-1	B	
	3	770-1	B	
Dc	1	770-1	A	
	2	770-1	A	
	3	770-1	A	
	4	770-1	A	
Dxp	1	770-2	D	
	2	770-2	D	
Ec	1	770-3	F	
	2	770-3	F	
	3	770-3	F	
	4	770-3	F	
Exp	1	770-4	L	
	2	770-4	L	
F	1	771-1	B	
	2	771-1	B	
	3	771-1	B	
Fc	1	771-1	A	
	2	771-1	A	
	3	771-1	A	
G	1	769-2	F	
	2	769-2	F	
Cc1	1	769-2	E	
E1	1	770-3	G	
	2	770-3	G	

Cc2	2	769-2	D	
	3	769-2	D	
	4	769-2	D	
	5	769-2	D	
E2	3	770-3	H	
	4	770-3	H	
TC5	2	TC777-1	A	
	3	TC777-1	A	
	4	TC777-1	C	
TC9	1	TC777-1	B	
	2	TC777-1	B	
	3	TC777-1	B	
TC35	1	TC777-1	A	
TC37	1	TC777-2	J	
TC41	1	TC777-1	D	
TC42	1	TC777-1	E	

Entry Sources

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

Sources

Arm	Traffic Stream	Source	Source traffic stream	Destination traffic stream	Cruise time for Normal Traffic (s)	Cruise speed for Normal Traffic (kph)	Auto turning radius	Traffic turn style	Turning radius (m)
A	1	1	Af/1	A/1	5.59	48.00	✓	Straight	Straight Movement
	2	1	Af/1	A/2	5.77	48.00	✓	Straight	Straight Movement
	3	1	Af/2	A/3	5.90	48.00	✓	Straight	Straight Movement
	4	1	Af/3	A/4	6.03	48.00	✓	Straight	Straight Movement
Ac	1	1	Acf/1	Ac/1	7.19	48.00	✓	Offside	48.59
	2	1	Acf/1	Ac/2	9.50	35.00	✓	Offside	46.08
	3	1	Acf/2	Ac/3	6.60	48.00	✓	Offside	42.76
Acf	1	1	F/2	Acf/1	5.22	48.00	✓	Straight	Straight Movement
	2	1	F/3	Acf/2	7.24	35.00	✓	Straight	Straight Movement
Af	1	1	TC42/1	Af/1	6.42	30.00	✓	Nearside	10.60
	2	1	TC42/1	Af/2	6.38	30.00	✓	Nearside	10.60
	3	1	TC42/1	Af/3	6.36	30.00	✓	Nearside	10.60
B	1	1	Bf/1	B/1	7.10	48.00	✓	Straight	Straight Movement
	2	1	Bf/1	B/2	7.29	48.00	✓	Straight	Straight Movement

	3	1	Bf/2	B/3	7.48	48.00	✓	Straight	Straight Movement
	4	1	Bf/2	B/4	12.29	30.00	✓	Straight	Straight Movement
Bc	1	1	Bcf/2	Bc/1	11.96	40.00	✓	Offside	51.76
	2	1	Bcf/3	Bc/2	11.83	40.00	✓	Offside	48.45
	3	1	Bcf/4	Bc/3	11.71	40.00	✓	Offside	45.13
Bcf	1	1	A/1	Bcf/1	4.70	48.00	✓	Nearside	68.65
	2	1	A/2	Bcf/2	6.69	34.00	✓	Nearside	71.96
	3	1	A/3	Bcf/3	6.60	34.00	✓	Nearside	75.27
	4	1	A/4	Bcf/4	6.59	34.00	✓	Nearside	78.59
Bf	1	1	50/1	Bf/1	27.34	30.00	✓	Straight	Straight Movement
	2	1	50/1	Bf/2	27.41	30.00	✓	Straight	Straight Movement
C	1	1	Cf/1	C/1	14.54	30.00	✓	Offside	59.30
	2	1	Cf/2	C/2	14.68	30.00	✓	Offside	55.98
	3	1	Cf/2	C/3	14.92	30.00	✓	Offside	53.27
Cf	1	1	48/1	Cf/1	17.35	30.00	✓	Straight	Straight Movement
	2	1	48/1	Cf/2	17.50	30.00	✓	Straight	Straight Movement
D	1	1	Df/1	D/1	4.13	48.00	✓	Straight	Straight Movement
	2	1	Df/1	D/2	4.13	48.00	✓	Straight	Straight Movement
	3	1	Df/2	D/3	3.97	48.00	✓	Straight	Straight Movement
Dc	1	1	Dcf/2	Dc/1	3.80	48.00	✓	Offside	56.07
	2	1	Dcf/3	Dc/2	3.65	48.00	✓	Offside	52.76
	3	1	Dcf/4	Dc/3	3.51	48.00	✓	Offside	49.44
	4	1	Dcf/5	Dc/4	3.36	48.00	✓	Offside	46.13
Dcf	1	1	Cc2/2	Dcf/1	4.95	48.00	✓	Straight	Straight Movement
	2	1	Cc2/4	Dcf/2	4.94	48.00	✓	Straight	Straight Movement
	3	1	Cc2/3	Dcf/3	5.15	48.00	✓	Straight	Straight Movement
	4	1	C/2	Dcf/4	5.00	48.00	✓	Nearside	58.86
	5	1	Cc2/5	Dcf/5	5.02	48.00	✓	Straight	Straight Movement
Dxp	1	1	Dcf/1	Dxp/1	3.50	48.00	✓	Nearside	80.62
	2	1	Dcf/2	Dxp/2	3.65	48.00	✓	Nearside	83.93
Ec	1	1	Ecf/2	Ec/1	3.76	48.00	✓	Offside	76.42
	2	1	Ecf/3	Ec/2	3.63	48.00	✓	Offside	73.10
	3	1	Ecf/4	Ec/3	3.51	48.00	✓	Offside	69.79
	4	1	Ecf/4	Ec/4	3.44	48.00	✓	Offside	67.06
Ecf	1	1	Dc/1	Ecf/1	3.45	48.00	✓	Offside	76.11
	2	1	Dc/2	Ecf/2	3.48	48.00	✓	Offside	72.80
	3	1	Dc/3	Ecf/3	3.52	48.00	✓	Offside	69.49
	4	1	Dc/4	Ecf/4	3.78	48.00	✓	Offside	66.17
Exp	1	1	Ecf/1	Exp/1	3.89	48.00	✓	Nearside	52.96
	2	1	Ecf/2	Exp/2	4.03	48.00	✓	Nearside	56.27
F	1	1	Ff/1	F/1	6.38	48.00	✓	Straight	Straight Movement
	2	1	Ff/1	F/2	6.43	48.00	✓	Straight	Straight Movement

	3	1	Ff/2	F/3	6.54	48.00	✓	Straight	Straight Movement
Fc	1	1	Ec/2	Fc/1	18.84	35.00	✓	Straight	Straight Movement
	2	1	Ec/3	Fc/2	18.66	35.00	✓	Straight	Straight Movement
	3	1	Ec/4	Fc/3	18.54	35.00	✓	Straight	Straight Movement
Ff	1	1	5f/1	Ff/1	33.09	30.00	✓	Straight	Straight Movement
	2	1	5f/1	Ff/2	33.05	30.00	✓	Straight	Straight Movement
G	1	1	Gf/1	G/1	15.98	35.00	✓	Offside	88.54
	2	1	Gf/2	G/2	11.38	48.00	✓	Offside	85.22
Gf	1	1	E2/3	Gf/1	3.04	48.00	✓	Straight	Straight Movement
	2	1	E2/4	Gf/2	3.00	48.00	✓	Straight	Straight Movement
xA	1	1	F/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	1	F/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
xB	1	1	Bcf/1	xB/1	5.79	48.00	✓	Nearside	59.55
xC	1	1	G/1	xC/1	8.67	48.00	✓	Straight	Straight Movement
	2	1	G/2	xC/2	8.70	48.00	✓	Straight	Straight Movement
xD	1	1	Dxp/1	xD/1	9.13	48.00	✓	Nearside	30.26
	2	1	Dxp/2	xD/2	9.21	48.00	✓	Nearside	33.58
xE	1	1	Exp/1	xE/1	13.04	48.00	✓	Straight	Straight Movement
	2	1	Exp/2	xE/2	13.04	48.00	✓	Straight	Straight Movement
xF	1	1	Ec/1	xF/1	12.19	48.00	✓	Straight	Straight Movement
Cc1	1	1	B/1	Cc1/1	8.63	40.00	✓	Straight	Straight Movement
E1	1	1	Ef/1	E1/1	6.00	48.00	✓	Nearside	26.33
	2	1	Ef/1	E1/2	6.00	48.00	✓	Nearside	28.96
Gf1	1	1	Ec/4	Gf1/1	3.69	48.00	✓	Offside	25.08
Cc2	2	1	B/1	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	3	1	Bc/3	Cc2/3	5.95	54.00	✓	Straight	Straight Movement
	4	1	Bc/3	Cc2/4	5.93	54.00	✓	Straight	Straight Movement
	5	1	Bc/3	Cc2/5	5.91	54.00	✓	Offside	97.08
E2	3	1	Ef/2	E2/3	4.00	48.00	✓	Nearside	43.25
	4	1	Ef/2	E2/4	4.07	48.00	✓	Nearside	43.25
TC5	2	1	xA/1	TC5/2	2.76	30.00	✓	Straight	Straight Movement
	3	1	xA/2	TC5/3	2.76	30.00	✓	Straight	Straight Movement
	4	1	xA/2	TC5/4	2.93	30.00	✓	Straight	Straight Movement
TC9	1	1	49/1	TC9/1	11.00	30.00	✓	Straight	Straight Movement
	2	1	49/2	TC9/2	11.05	30.00	✓	Straight	Straight Movement
	3	1	49/2	TC9/3	11.12	30.00	✓	Straight	Straight Movement

TC35	1	1	xA/1	TC35/1	2.90	30.00	✓	Straight	Straight Movement
TC37	1	1	TC36/1	TC37/1	3.19	50.00	✓	Nearside	46.04
TC38	1	1	TC37/1	TC38/1	1.53	50.00	✓	Straight	Straight Movement
TC39	2	1	TC5/2	TC39/2	2.54	50.00	✓	Straight	Straight Movement
	3	1	TC5/3	TC39/3	2.40	50.00	✓	Straight	Straight Movement
TC40	2	1	TC38/1	TC40/2	4.23	50.00	✓	Nearside	11.92
	3	1	TC39/3	TC40/3	4.02	50.00	✓	Offside	77.43
TC41	1	1	TC36/1	TC41/1	3.93	50.00	✓	Straight	Straight Movement
TC43	1	1	TC9/1	TC43/1	3.73	50.00	✓	Nearside	6.11
47	1	1	xC/1	47/1	16.04	30.00	✓	Straight	Straight Movement
Acf	1	2	Fc/3	Acf/1	5.22	48.00	✓	Straight	Straight Movement
	2	2	Fc/3	Acf/2	7.24	35.00	✓	Straight	Straight Movement
Af	1	2	TC9/1	Af/1	6.42	30.00	✓	Straight	Straight Movement
	2	2	TC9/2	Af/2	6.38	30.00	✓	Straight	Straight Movement
	3	2	TC9/3	Af/3	6.36	30.00	✓	Straight	Straight Movement
Bcf	1	2	Ac/1	Bcf/1	3.96	57.00	✓	Offside	93.05
	2	2	Ac/2	Bcf/2	3.99	57.00	✓	Offside	89.74
	3	2	Ac/3	Bcf/3	3.94	57.00	✓	Offside	86.42
	4	2	Ac/3	Bcf/4	3.93	57.00	✓	Offside	86.42
Dcf	1	2	C/1	Dcf/1	4.95	48.00	✓	Nearside	55.54
	2	2	C/1	Dcf/2	4.94	48.00	✓	Nearside	55.54
	3	2	C/2	Dcf/3	5.15	48.00	✓	Nearside	58.86
	4	2	Cc2/3	Dcf/4	8.01	30.00	✓	Straight	Straight Movement
	5	2	C/3	Dcf/5	5.02	48.00	✓	Nearside	62.17
Ecf	1	2	D/1	Ecf/1	3.45	48.00	✓	Nearside	43.36
	2	2	D/1	Ecf/2	3.48	48.00	✓	Nearside	43.36
	3	2	D/2	Ecf/3	3.52	48.00	✓	Nearside	46.68
	4	2	D/3	Ecf/4	3.78	48.00	✓	Nearside	49.99
Fc	1	2	E1/1	Fc/1	20.61	32.00	✓	Nearside	58.94
	2	2	E1/1	Fc/2	20.41	32.00	✓	Nearside	60.85
	3	2	E1/2	Fc/3	20.28	32.00	✓	Nearside	64.16
G	1	2	Gf1/1	G/1	15.98	35.00	✓	Offside	17.91
	2	2	Gf1/1	G/2	11.38	48.00	✓	Offside	15.13
xA	1	2	Fc/1	xA/1	17.22	48.00	✓	Straight	Straight Movement
	2	2	Fc/2	xA/2	17.25	48.00	✓	Straight	Straight Movement
xC	1	2	Cc1/1	xC/1	8.67	48.00	✓	Nearside	56.51
	2	2	Cc1/1	xC/2	8.70	48.00	✓	Nearside	57.28
xF	1	2	E1/1	xF/1	12.19	48.00	✓	Nearside	40.67
Cc1	1	2	Bc/1	Cc1/1	6.39	54.00	✓	Straight	Straight Movement
Cc2	2	2	Bc/2	Cc2/2	6.11	54.00	✓	Straight	Straight Movement

	3	2	B/3	Cc2/3	8.03	40.00	✓	Straight	Straight Movement
	4	2	B/2	Cc2/4	8.01	40.00	✓	Straight	Straight Movement
	5	2	B/4	Cc2/5	7.98	40.00	✓	Straight	Straight Movement
TC39	2	2	TC42/1	TC39/2	2.54	50.00	✓	Offside	9.44
	3	2	TC42/1	TC39/3	2.40	50.00	✓	Offside	9.44
TC40	2	2	TC39/2	TC40/2	4.23	50.00	✓	Offside	80.74
TC43	1	2	TC5/4	TC43/1	3.73	50.00	✓	Offside	21.45
47	1	2	xC/2	47/1	16.04	30.00	✓	Straight	Straight Movement
Acf	1	3	Fc/2	Acf/1	5.22	48.00	✓	Straight	Straight Movement
Af	1	3	TC41/1	Af/1	6.42	30.00	✓	Offside	6.19
	2	3	TC41/1	Af/2	6.38	30.00	✓	Offside	6.19
	3	3	TC41/1	Af/3	6.36	30.00	✓	Offside	6.19
Bcf	2	3	Ac/3	Bcf/2	3.99	57.00	✓	Offside	86.42
Dcf	3	3	Cc2/4	Dcf/3	8.23	30.00	✓	Straight	Straight Movement
Ecf	4	3	D/2	Ecf/4	6.04	30.00	✓	Nearside	46.68
xA	2	3	Fc/1	xA/2	17.25	48.00	✓	Straight	Straight Movement
Cc2	2	3	B/2	Cc2/2	8.24	40.00	✓	Straight	Straight Movement
	4	3	Bc/2	Cc2/4	5.93	54.00	✓	Straight	Straight Movement
	2	4	Bc/1	Cc2/2	6.11	54.00	✓	Straight	Straight Movement

Give Way Data

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

Give Way Data - All Movements - Conflicts

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

Pedestrian Crossings

Pedestrian Crossings

Crossing	Name	Description	Traffic node	Allow walk on red	Crossing type	Length (m)	Cruise time (seconds)	Cruise speed (kph)
1	(untitled)		3-2		Nearside	3.00	2.00	5.40
2	(untitled)		3		Nearside	3.00	2.00	5.40
3	(untitled)		4-2		Nearside	3.00	2.00	5.40
4	(untitled)		4		Nearside	3.00	2.00	5.40
5	(untitled)		4		Nearside	3.00	2.00	5.40
6	(untitled)		4		Nearside	3.00	2.00	5.40
7	(untitled)		5		Nearside	3.00	2.00	5.40
8	(untitled)		1		Nearside	3.00	2.00	5.40
9	(untitled)		2		Nearside	3.00	2.00	5.40

	A28	3	55	412	13	469	8	450	0
	B28	19	0	99	180	512	6	255	0
	C28	385	44	0	306	105	7	496	0
	D28	6	388	343	0	17	8	180	0
	E28	496	617	94	114	1	5	166	0
	F28	69	16	45	46	17	0	43	0
	G28	836	319	989	148	260	6	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	375
	24		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
	25		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	32	I1	C28	E28	Df/1, D/1, Ecf/1, Exp/1, xE/1	Normal	105
	36		C28	E28	Df/1, D/1, Ecf/2, Exp/2, xE/2	Disabled	0
	41		E28	A28	Ef/1, E1/2, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	472
	42		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	47
	43		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Disabled	0
	44		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
	45		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
	49	I1	C28	D28	Df/1, D/1, Ecf/2, Ec/1, xF/1	Normal	306
	50		E28	D28	Ef/1, E1/1, xF/1	Normal	114
	68		E28	G28	Ef/1, E1/1, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	99
	86		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	46
	91	I2	C28	F28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	7
	92		E28	F28	Ef/1, E1/1, Fc/1, xA/1, TC35/1	Normal	5
	96		A28	C28	50/1, Bf/1, B/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	71
	97		G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
	98		G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
	99	I3	C28	B28	Df/2, D/3, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Normal	40

100		E28	B28	Ef/2, E2/4, Gf/2, G/2, xC/2, 47/1	Fixed	245
101		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
102		A28	C28	50/1, Bf/1, B/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	282
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	331
105		D28	H28	51/1, Ff/1, F/1, xA/2, TC5/4, TC43/1	Normal	0
106		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	460
107		A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/2, 47/1	Normal	28
108		B28	G28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	125
109	I3	C28	G28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	64
110		E28	G28	Ef/1, E1/1, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	67
111		B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	19
112		F28	G28	TC36/1, TC37/1, TC38/1, TC40/2	Normal	43
113		F28	A28	TC36/1, TC41/1, Af/1, A/1, Bcf/1, xB/1	Normal	69
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	3
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	9
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	9
121		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Normal	2
122		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
123		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
124		E28	C28	Ef/1, E1/2, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	0
125		H28	A28	TC42/1, Af/1, A/1, Bcf/1, xB/1	Normal	0
126		D28	C28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	0
127		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	0
128		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
129		F28	C28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	3
130		G28	C28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	369
131		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	72
132		H28	C28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
133		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
134		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
135		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
136		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
137		H28	G28	TC42/1, TC39/2, TC40/2	Normal	0
138		H28	G28	TC42/1, TC39/3, TC40/3	Normal	0
139		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	2
140		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
141		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	2
142		C28	H28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
143		E28	H28	Ef/1, E1/1, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
144		H28	D28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
145		H28	H28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
146		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
147		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	0
148		F28	D28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
149	I3	C28	B28	Df/2, D/3, Ecf/4, Gf/1/1, G/1, xC/1, 47/1	Fixed	4
150		E28	B28	Ef/2, E2/3, Gf/1, G/1, xC/1, 47/1	Normal	372
151		B28	A28	48/1, Cf/2, C/3, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0

152	H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	0
153	F28	B28	TC36/1, TC41/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	16
154	E28	A28	Ef/1, E1/1, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	24
155	E28	C28	Ef/1, E1/1, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	0
156	C28	G28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	60
157	H28	B28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	0
158	B28	D28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	180
159	B28	E28	48/1, Cf/2, C/2, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	108
160	B28	G28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	111
161	B28	F28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	6
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	95
167	B28	E28	48/1, Cf/1, C/1, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	404
168	G28	A28	49/1, TC9/1, Af/1, A/1, Bcf/1, xB/1	Normal	836
169	G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	160
170	G28	B28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	160
171	G28	H28	49/1, TC9/1, TC43/1	Normal	0
175	G28	C28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	110
176	G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	131
177	G28	D28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	137
178	G28	E28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	57
181	G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
185	A28	B28	50/1, Bf/1, B/1, Cc1/1, xC/1, 47/1	Normal	28
186	A28	C28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	59
187	A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	241
195	D28	G28	51/1, Ff/1, F/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	160
196	D28	F28	51/1, Ff/1, F/1, xA/1, TC35/1	Normal	8
197	D28	G28	51/1, Ff/1, F/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	20
198	D28	A28	51/1, Ff/1, F/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	6
199	D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Normal	151
200	D28	B28	51/1, Ff/1, F/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Normal	151
201	D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	267
204	D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	45
205	D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Fixed	12
206	D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
207	D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	2
210	A28	G28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/3, TC39/3, TC40/3	Fixed	257
211	A28	H28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
212	A28	D28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	13
213	A28	E28	50/1, Bf/2, B/3, Cc2/3, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	175
214	G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Normal	0
215	G28	F28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	6
218	A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC5/2, TC39/2, TC40/2	Fixed	135
219	A28	F28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	8
220	H28	F28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
221	F28	F28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/1, TC35/1	Normal	0
222	A28	D28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
223	A28	E28	50/1, Bf/1, B/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	53

224		D28	D28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
225		D28	E28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
226		H28	D28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Normal	0
227		H28	E28	TC42/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
228		F28	D28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	0
229		F28	E28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
230		G28	G28	49/2, TC9/3, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Normal	0
231		A28	G28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	10
232		A28	H28	50/1, Bf/2, B/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
233		B28	H28	48/1, Cf/2, C/2, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
234	I2	C28	G28	Df/1, D/2, Ecf/3, Ec/2, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	41
235		E28	G28	Ef/1, E1/1, Fc/1, xA/2, TC5/3, TC39/3, TC40/3	Fixed	0
236		E28	H28	Ef/1, E1/1, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
237		F28	H28	TC36/1, TC41/1, Af/3, A/4, Bcf/4, Bc/3, Cc2/3, Dcf/4, Dc/3, Ecf/3, Ec/2, Fc/1, xA/2, TC5/4, TC43/1	Normal	0
238		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/1, 47/1	Fixed	44
239		D28	B28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc1/1, xC/2, 47/1	Fixed	43
240		G28	C28	49/1, TC9/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	50
241		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Fixed	0
242		H28	C28	TC42/1, Af/1, A/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
243		G28	D28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Ec/1, xF/1	Fixed	11
244		G28	E28	49/2, TC9/2, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
245		C28	C28	Df/2, D/3, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
246		E28	C28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	47
247		E28	E28	Ef/1, E1/2, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
248		D28	C28	51/1, Ff/2, F/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Fixed	31
249		H28	C28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
250		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dc/1, Ecf/1, Exp/1, xE/1	Normal	0
251		H28	E28	TC42/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Normal	0
252		F28	C28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	3
253		F28	E28	TC36/1, TC41/1, Af/2, A/3, Bcf/3, Bc/2, Cc2/4, Dcf/3, Dc/2, Ecf/2, Exp/2, xE/2	Fixed	0
254		A28	A28	50/1, Bf/2, B/4, Cc2/5, Dcf/5, Dc/4, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Normal	2
255	I3	C28	A28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0
256		C28	C28	Df/2, D/3, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
257		C28	H28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, xA/2, TC5/4, TC43/1	Normal	0
258		C28	A28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	10
259		C28	C28	Df/1, D/2, Ecf/4, Ec/3, Fc/2, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
260		C28	A28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/1, Bcf/1, xB/1	Fixed	0
261		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/1, Ac/2, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
262		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/2, Bc/1, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
263		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/2, Dcf/1, Dxp/1, xD/1	Normal	0
264		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/3, Bc/2, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
265		C28	C28	Df/1, D/2, Ecf/4, Ec/4, Fc/3, Acf/2, Ac/3, Bcf/4, Bc/3, Cc2/4, Dcf/2, Dxp/2, xD/2	Normal	0
266		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/1, xC/1, 47/1	Fixed	0
267		C28	B28	Df/1, D/2, Ecf/4, Gf1/1, G/2, xC/2, 47/1	Fixed	0

Signal Timings

Network Default: 60s cycle time; 60 steps

Resultant penalties

Time Segment	Controller stream	Phase min max penalty (£ per hr)	Intergreen broken penalty (£ per hr)	Stage constraint broken penalty (£ per hr)	Cost of controller stream penalties (£ per hr)
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16:30-17:30	(ALL)	0.00	0.00	0.00	0.00
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Results - Link

Results - Traffic Stream

Results - Traffic Stream: Vehicle summary

Time Segment	Arm	Traffic Stream	Name	Phase	Calculated flow entering (PCU/hr)	Calculated saturation (PCU/hr)	Actual green (s (per cycle))	Calculated capacity (PCU/hr)	Degree of saturation (%)	Practical reserve capacity (%)	Mean Delay per Veh (s)	Mean max queue (PCU)	Utilised storage (%)	Journey Time (s)	
16:30-17:30	A	1	(untitled)	E	905	2050	28	991	91	-1	26.41	13.71	105.79	32.00	
		2	(untitled)	E	389	2050	28	991	39	129	7.75	2.47	18.47	13.51	
		3	(untitled)	E	780	2050	28	780	100	-10	94.91	25.04	183.15	100.81	
		4	(untitled)	E	473	2050	28	991	48	89	15.37	7.69	55.03	21.40	
	Ac	1	(untitled)	D	845	2263	22	867	97	-8	62.73	23.62	141.75	69.92	
		2	(untitled)	D	203	2263	22	814	25	260	2.00	3.48	21.67	11.50	
		3	(untitled)	D	391	2263	22	391	100	-10	192.78	23.32	152.45	199.37	
	Acf	1	(untitled)			1048	2263	60	2262	46	94	0.69	2.52	20.81	5.91
		2	(untitled)			391	2263	60	391	100	-10	171.38	21.24	173.42	178.62
	Af	1	(untitled)			1294	2050	60	2050	63	43	1.50	0.54	5.78	7.92
		2	(untitled)			780	2050	60	1145	68	32	18.00	9.37	101.27	24.39
		3	(untitled)			473	2050	60	2050	23	290	0.26	0.03	0.38	6.62
	B	1	(untitled)	B	314	2050	10	376	84	8	52.16	7.19	43.68	59.26	
		2	(untitled)	B	394	2150	10	394	100	-10	205.21	25.68	151.95	212.50	
		3	(untitled)	B	317	2100	10	378	84	7	43.01	6.08	35.07	50.49	
		4	(untitled)	B	243	2050	10	376	65	39	30.64	3.91	21.98	42.93	
	Bc	1	(untitled)	A	651	2050	38	1333	49	84	3.17	4.34	18.77	15.13	
		2	(untitled)	A	1072	2050	38	1072	100	-10	90.96	37.10	162.27	102.79	
		3	(untitled)	A	513	2050	38	1028	50	80	4.71	11.85	52.37	16.42	
	Bcf	1	(untitled)			1750	2263	60	2263	77	16	2.69	1.31	12.01	7.03
		2	(untitled)			651	2263	60	2263	29	213	0.32	0.06	0.53	5.92
		3	(untitled)			1072	2263	60	1072	100	-10	68.47	25.55	235.60	74.35
		4	(untitled)			513	2263	60	2263	23	297	0.23	0.03	0.31	6.62
	Bf	1	(untitled)			708	1800	60	768	92	-2	133.06	43.68	110.25	160.39

	2	(untitled)		560	1800	60	1800	31	189	0.45	0.07	0.18	27.86
C	1	(untitled)	G	481	2100	13	490	98	-8	179.87	28.81	136.74	194.40
	2	(untitled)	G	424	2200	13	513	83	9	37.70	8.21	38.58	52.38
	3	(untitled)	G	144	2050	13	478	30	199	20.61	1.98	9.18	35.53
Cf	1	(untitled)		503	1965	60	481	105	-14	192.31	32.86	130.68	209.67
	2	(untitled)		568	1965	60	1965	29	211	0.37	0.06	0.23	17.88
D	1	(untitled)	B	367	2050	12	444	83	9	56.07	7.66	80.04	60.19
	2	(untitled)	B	401	1850	12	401	100	-10	150.95	18.81	196.65	155.07
	3	(untitled)	B	436	2250	12	436	100	-10	128.87	16.92	183.99	132.84
Dc	1	(untitled)	A	801	2100	38	1354	59	52	7.75	6.94	78.77	11.55
	2	(untitled)	A	744	2100	38	1365	54	65	5.52	5.33	62.93	9.17
	3	(untitled)	A	283	2100	38	1365	21	334	3.69	2.41	29.57	7.20
	4	(untitled)	A	387	2100	38	1365	28	218	4.65	2.58	33.04	8.01
Dcf	1	(untitled)		1090	2050	60	2050	53	69	0.99	0.30	2.62	5.94
	2	(untitled)		1400	2100	60	2028	69	30	1.99	3.08	26.90	6.93
	3	(untitled)		744	2100	60	2100	35	154	0.47	0.10	0.81	5.86
	4	(untitled)		283	2100	60	2100	13	567	0.13	0.01	0.09	6.70
	5	(untitled)		387	2100	60	2100	18	389	0.19	0.02	0.18	5.21
Df	1	(untitled)		860	1900	60	768	112	-20	222.80	62.48	179.64	246.80
	2	(untitled)		483	2250	60	436	111	-19	220.72	34.56	99.35	244.72
Dxp	1	(untitled)	D	1090	2050	41	1435	76	19	4.73	2.72	33.55	8.22
	2	(untitled)	D	599	2050	41	1435	42	116	0.96	0.22	2.57	4.61
Ec	1	(untitled)	F	637	2150	35	1290	49	82	9.10	6.40	73.48	12.86
	2	(untitled)	F	622	2263	35	1358	46	97	9.90	6.85	81.27	13.53
	3	(untitled)	F	486	2263	35	1358	36	151	3.95	4.79	58.86	7.46
	4	(untitled)	F	359	2250	35	1350	27	238	14.02	5.93	74.22	17.47
Ecf	1	(untitled)		895	2100	60	2037	44	105	1.24	5.09	63.71	4.68
	2	(untitled)		1017	2100	60	2040	50	81	1.13	2.76	34.17	4.60
	3	(untitled)		622	2263	60	1992	31	188	1.10	2.41	29.50	4.62
	4	(untitled)		885	2300	60	2300	38	134	0.49	0.12	1.37	4.43
Ef	1	(untitled)		875	1900	60	831	105	-15	132.74	42.59	191.99	148.05
	2	(untitled)		617	1900	60	604	102	-12	107.30	25.46	114.79	122.61

Exp	1	(untitled)	L	895	2050	40	1401	64	41	4.29	5.65	62.65	8.18
	2	(untitled)	L	380	2050	40	1401	27	232	0.48	0.05	0.54	4.51
F	1	(untitled)	B	126	2100	10	385	33	174	11.82	2.40	16.20	18.21
	2	(untitled)	B	207	2100	10	385	54	67	15.74	3.00	20.12	22.17
	3	(untitled)	B	301	2100	10	301	100	-10	240.39	22.12	145.77	246.93
Fc	1	(untitled)	A	720	2263	40	1546	47	93	1.46	1.87	5.88	20.55
	2	(untitled)	A	572	2263	40	1507	38	137	1.40	3.46	10.97	20.33
	3	(untitled)	A	897	2263	40	897	100	-10	78.47	30.61	97.62	98.06
Ff	1	(untitled)		334	1900	60	1900	18	413	0.20	0.02	0.04	33.29
	2	(untitled)		301	1900	60	301	100	-10	579.34	56.03	116.98	612.38
G	1	(untitled)	F	370	2050	13	371	100	-10	288.77	34.24	126.73	304.75
	2	(untitled)	F	275	2050	13	458	60	50	44.01	5.37	20.32	55.40
Gf	1	(untitled)		364	2050	60	366	99	-10	111.23	15.25	216.64	114.27
	2	(untitled)		239	2050	60	2050	12	671	0.12	2.33	33.40	3.12
xA	1	(untitled)		769	2263	60	2242	34	163	0.44	2.41	6.03	17.67
	2	(untitled)		617	2263	60	2263	27	230	0.30	0.05	0.13	17.55
xB	1	(untitled)		1750	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	5.79
xC	1	(untitled)		704	1900	60	707	100	-10	110.81	29.46	146.52	119.48
	2	(untitled)		592	1900	60	775	76	18	14.15	8.20	40.65	22.85
xD	1	(untitled)		1090	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.13
	2	(untitled)		599	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	9.21
xE	1	(untitled)		895	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
	2	(untitled)		380	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	13.04
xF	1	(untitled)		745	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	12.19
Cc1	1	(untitled)	E	650	2050	32	1128	58	56	11.53	8.32	49.90	18.10
E1	1	(untitled)	G	293	2050	14	513	57	57	36.09	5.26	37.81	42.09
	2	(untitled)	G	537	2200	14	550	98	-8	124.13	22.32	160.41	130.13
Gf1	1	(untitled)		40	667	60	563	7	1175	5.02	0.64	7.44	8.71
Cc2	2	(untitled)	D	999	2150	33	1182	85	7	19.77	13.33	83.67	26.58
	3	(untitled)	D	543	2050	33	1157	47	92	10.68	9.10	58.61	17.84
	4	(untitled)	D	1069	2150	33	1218	88	3	21.08	16.71	108.03	27.64
	5	(untitled)	D	243	2050	33	1162	21	331	13.17	4.21	27.29	21.15

E2	3	(untitled)	H	364	2150	14	364	100	-10	145.47	16.05	173.18	149.47
	4	(untitled)	H	240	2050	14	513	47	92	32.96	3.18	33.65	37.03
TC5	2	(untitled)	A	734	2263	38	1509	49	85	2.96	2.12	53.01	5.72
	3	(untitled)	A	617	2263	38	1509	41	120	1.07	0.37	9.13	3.83
	4	(untitled)	C	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
TC9	1	(untitled)	B	1206	1925	39	1348	89	1	17.94	17.12	107.31	28.94
	2	(untitled)	B	774	1966	39	774	100	-10	105.93	29.36	183.28	116.98
	3	(untitled)	B	374	1947	39	1363	27	228	5.36	2.44	15.16	16.48
TC35	1	(untitled)	A	35	1900	38	1267	3	3166	1.97	0.10	2.31	4.87
TC36	1	(untitled)		236	1800	60	1800	13	586	0.15	0.01	0.23	3.18
TC37	1	(untitled)	J	43	1850	45	1418	3	2869	1.79	0.17	2.18	4.98
TC38	1	(untitled)		43	465	60	465	9	874	1.30	2.42	65.27	2.83
TC39	2	(untitled)		734	2263	60	2263	32	178	0.38	0.08	1.27	2.92
	3	(untitled)		617	2263	60	2263	27	230	0.30	0.05	0.88	2.69
TC40	2	(untitled)		777	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.23
	3	(untitled)		617	Unrestricted	60	Unrestricted	0	Unrestricted	0.00	0.00	0.00	4.02
TC41	1	(untitled)	D	193	1850	11	370	52	73	26.71	2.98	31.32	30.64
TC42	1	(untitled)	E	0	0	0	0	0	-100	0.00	0.00	0.00	0.00
TC43	1	(untitled)		0	1800	60	1800	0	Unrestricted	0.00	0.00	0.00	0.00
47	1	(untitled)		1300	1300	60	1300	100	-10	48.58	17.54	75.48	64.61
48	1	(untitled)		1071	1965	60	1965	55	65	1.10	0.33	3.40	7.71
49	1	(untitled)		1206	1900	60	1900	63	42	1.64	0.55	12.04	4.79
	2	(untitled)		1353	1900	60	1148	118	-24	286.26	124.17	2720.70	289.41
50	1	(untitled)		1364	1900	60	1268	108	-16	149.57	74.20	886.20	155.35
51	1	(untitled)		944	1900	60	635	149	-39	601.12	165.93	2546.41	605.62

Data Entry - Stage Start and End

Resultant Stage

Controller Stream	Resultant Stage	Is base stage	Library Stage ID	Phases in this stage	Stage start (s)	Stage end (s)	Stage duration (s)	User stage minimum (s)	Stage minimum (s)
769-1	1	✓	1	A,C	34	8	34	1	7
	2	✓	2	B	19	29	10	1	7
769-2	1	✓	4	D,E,H,I	41	5	24	1	1
	2	✓	5	F,G,J,K	19	26	7	1	7
770-1	1	✓	1	A,C	39	15	36	1	5

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

Data Entry - Phase

Phase

Controller Stream	Phase	Phase	Street minimum green (s)	Maximum green (s)	Relative start displacement (s)	Relative end displacement (s)	Type
769-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	7	300	0	0	Pedestrian
769-2	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	4	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	5	300	0	0	Pedestrian
	I	I	7	300	0	0	Pedestrian
	J	J	10	300	0	0	Pedestrian
K	K	5	300	0	0	Pedestrian	
770-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	5	300	0	0	Pedestrian
770-2	D	D	7	300	0	0	Traffic
	E	E	5	300	0	0	Pedestrian
770-3	F	F	7	300	0	0	Traffic
	G	G	4	300	0	0	Traffic
	H	H	4	300	0	0	Traffic
	I	I	5	300	0	0	Pedestrian
	J	J	5	300	0	0	Pedestrian
K	K	10	300	0	0	Pedestrian	
770-4	L	L	7	300	0	0	Traffic
	M	M	6	300	0	0	Pedestrian
771-1	A	A	7	300	0	0	Traffic
	B	B	7	300	0	0	Traffic
	C	C	9	300	0	0	Pedestrian
771-2	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
TC777-1	A	A	7	300	0	1	Traffic
	B	B	7	300	0	2	Traffic

	C	C	7	300	0	0	Traffic
	D	D	7	300	0	0	Traffic
	E	E	7	300	0	0	Traffic
	F	F	5	300	0	0	Pedestrian
	G	G	7	300	0	0	Pedestrian
	H	H	6	300	0	0	Pedestrian
	I	I	5	300	0	0	Pedestrian
TC777-2	J	J	7	300	0	0	Traffic
	K	K	5	300	0	0	Pedestrian

Data Entry - Traffic Stream

Traffic Stream

Arm	Traffic Stream	Auto length	Length (m)	Traffic model	Max queue storage (PCU)	Traffic type	Has Saturation Flow	Is signal controlled	Is give way	Saturation flow source	Saturation flow (PCU/hr)	Delay weighting multiplier (%)	Stop weighting multiplier (%)
A	1	✓	74.52	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	76.88	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	78.61	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	4	✓	80.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ac	1	✓	95.80	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	2	✓	92.34	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	87.95	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
Acf	1	✓	69.59	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	70.42	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Af	1	✓	53.54	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	53.19	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	3	✓	53.01	CTM	0.00	Normal	✓			Directly entered	2050	100	100
B	1	✓	94.67	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	97.18	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	99.69	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	4	✓	102.42	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Bc	1	✓	132.85	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	131.47	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	3	✓	130.10	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Bcf	1	✓	62.67	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	63.14	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	62.35	CTM	0.00	Normal	✓			Directly entered	2263	100	100

	4	✓	62.25	CTM	0.00	Normal	✓			Directly entered	2263	100	100
Bf	1	✓	227.81	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
	2	✓	228.44	CTM	0.00	Normal	✓			Sum of lanes	1800	100	100
C	1	✓	121.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	122.36	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
	3	✓	124.35	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Cf	1	✓	144.60	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
	2	✓	145.86	CTM	0.00	Normal	✓			Sum of lanes	1965	100	100
D	1		55.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2		55.00	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
	3	✓	52.87	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	100
Dc	1	✓	50.67	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	48.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	46.78	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	4	✓	44.83	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
Dcf	1	✓	65.95	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	65.92	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	68.61	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	4	✓	66.73	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	5	✓	66.90	CTM	0.00	Normal	✓			Directly entered	2100	100	100
Df	1		200.00	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
	2		200.00	NetworkDefault	0.00	Normal	✓			Directly entered	2250	100	100
Dxp	1	✓	46.62	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	48.64	NetworkDefault	0.00	Normal	✓	✓		Directly entered	2050	100	100
Ec	1	✓	50.09	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	2	✓	48.43	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	46.77	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	4	✓	45.93	CTM	0.00	Normal	✓	✓		Directly entered	2250	100	100
Ecf	1	✓	45.94	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	2	✓	46.37	CTM	0.00	Normal	✓			Directly entered	2100	100	100
	3	✓	46.93	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	4	✓	50.37	CTM	0.00	Normal	✓			Directly entered	2300	100	100

Ef	1	✓	127.54	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	127.54	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
Exp	1	✓	51.83	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	53.71	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
F	1	✓	85.13	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	2	✓	85.72	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
	3	✓	87.25	CTM	0.00	Normal	✓	✓		Directly entered	2100	100	100
Fc	1	✓	183.21	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	2	✓	181.45	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	3	✓	180.28	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
Ff	1	✓	275.73	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
	2	✓	275.39	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
G	1	✓	155.36	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2	✓	151.80	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
Gf	1	✓	40.48	CTM	0.00	Normal	✓			Directly entered	2050	100	100
	2	✓	40.06	CTM	0.00	Normal	✓			Directly entered	2050	100	100
xA	1	✓	229.66	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	2	✓	229.97	CTM	0.00	Normal	✓			Directly entered	2263	100	100
xB	1	✓	77.15	NetworkDefault	0.00	Normal						100	100
xC	1	✓	115.60	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
	2	✓	115.98	CTM	0.00	Normal	✓			Sum of lanes	1900	100	100
xD	1	✓	121.71	NetworkDefault	0.00	Normal						100	100
	2	✓	122.74	NetworkDefault	0.00	Normal						100	100
xE	1	✓	173.89	NetworkDefault	0.00	Normal						100	100
	2	✓	173.83	NetworkDefault	0.00	Normal						100	100
xF	1	✓	162.53	NetworkDefault	0.00	Normal						100	100
Cc1	1	✓	95.84	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E1	1		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
	2		80.00	CTM	0.00	Normal	✓	✓		Directly entered	2200	100	100
Gf1	1	✓	49.26	NetworkDefault	0.00	Normal			✓			100	100
Cc2	2	✓	91.58	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	3	✓	89.25	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100

	4	✓	88.96	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	5	✓	88.65	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
E2	3	✓	53.28	CTM	0.00	Normal	✓	✓		Directly entered	2150	100	100
	4	✓	54.33	CTM	0.00	Normal	✓	✓		Directly entered	2050	100	100
TC5	2	✓	23.03	CTM	0.00	Normal	✓	✓		Sum of lanes	2263	100	100
	3	✓	23.02	CTM	0.00	Normal	✓	✓		Directly entered	2263	100	100
	4	✓	24.43	CTM	0.00	Normal	✓	✓		Sum of lanes	1800	100	100
TC9	1	✓	91.71	CTM	0.00	Normal	✓	✓		Directly entered	1925	100	100
	2	✓	92.11	CTM	0.00	Normal	✓	✓		Sum of lanes	1966	100	100
	3	✓	92.69	CTM	0.00	Normal	✓	✓		Sum of lanes	1947	100	100
TC35	1	✓	24.16	CTM	0.00	Normal	✓	✓		Directly entered	1900	100	100
TC36	1	✓	25.22	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
TC37	1	✓	44.32	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
TC38	1	✓	21.32	CTM	0.00	Normal	✓		✓	Directly entered	1850	100	100
TC39	2	✓	35.24	CTM	0.00	Normal	✓			Directly entered	2263	100	100
	3	✓	33.28	CTM	0.00	Normal	✓			Directly entered	2263	100	100
TC40	2	✓	58.74	PDM	0.00	Normal						100	100
	3	✓	55.82	PDM	0.00	Normal						100	100
TC41	1	✓	54.63	CTM	0.00	Normal	✓	✓		Directly entered	1850	100	100
TC42	1	✓	23.35	NetworkDefault	0.00	Normal	✓	✓		Sum of lanes	1771	100	100
TC43	1	✓	51.77	NetworkDefault	0.00	Normal	✓			Sum of lanes	1800	100	100
47	1	✓	133.63	CTM	0.00	Normal	✓			Directly entered	1300	100	100
48	1	✓	55.12	NetworkDefault	0.00	Normal	✓			Sum of lanes	1965	100	100
49	1	✓	26.24	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
	2	✓	26.24	NetworkDefault	0.00	Normal	✓			Directly entered	1900	100	100
50	1	✓	48.15	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100
51	1	✓	37.47	NetworkDefault	0.00	Normal	✓			Sum of lanes	1900	100	100

Data entry - Link

Results - Pedestrian

Pedestrian Crossings: Pedestrian summary

Path Journey Time

Path	From Location	To Location	Normal Calculated Flow (PCU/hr)	Normal journey time (s)	Normal journey dist (m)	Bus journeydist (m)	Tram journey dist (m)	Pedestrian journey dist (m)	Calculated Total Flow (PCU/hr)	Avg journey time (s)	Avg journey dist (m)
23	C28	A28	375	587.84	834.67	0.00	0.00	0.00	375	587.84	834.67
24	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
25	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
32	C28	E28	105	342.29	526.66	0.00	0.00	0.00	105	342.29	526.66
36	C28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
41	E28	A28	472	463.69	693.05	0.00	0.00	0.00	472	463.69	693.05
42	E28	C28	47	971.93	1065.88	0.00	0.00	0.00	47	971.93	1065.88
43	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
44	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
45	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
49	C28	D28	306	343.20	514.00	0.00	0.00	0.00	306	343.20	514.00
50	E28	D28	114	202.33	370.08	0.00	0.00	0.00	114	202.33	370.08
68	E28	G28	99	244.23	737.43	0.00	0.00	0.00	99	244.23	737.43
86	F28	D28	46	129.90	871.13	0.00	0.00	0.00	46	129.90	871.13
91	C28	F28	7	465.00	787.40	0.00	0.00	0.00	7	465.00	787.40
92	E28	F28	5	235.61	644.57	0.00	0.00	0.00	5	235.61	644.57
96	A28	C28	71	584.82	699.00	0.00	0.00	0.00	71	584.82	699.00
97	G28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
98	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
99	C28	B28	40	536.65	753.91	0.00	0.00	0.00	40	536.65	753.91
100	E28	B28	245	306.89	623.35	0.00	0.00	0.00	245	306.89	623.35
101	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
102	A28	C28	282	431.69	696.48	0.00	0.00	0.00	282	431.69	696.48
103	F28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
104	C28	G28	331	473.10	880.25	0.00	0.00	0.00	331	473.10	880.25
105	D28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
106	G28	C28	460	756.69	769.84	0.00	0.00	0.00	460	756.69	769.84
107	A28	B28	28	487.98	716.08	0.00	0.00	0.00	28	487.98	716.08
108	B28	G28	125	139.07	1057.75	0.00	0.00	0.00	125	139.07	1057.75
109	C28	G28	64	444.47	873.55	0.00	0.00	0.00	64	444.47	873.55
110	E28	G28	67	243.00	731.08	0.00	0.00	0.00	67	243.00	731.08
111	B28	G28	19	158.14	1057.51	0.00	0.00	0.00	19	158.14	1057.51
112	F28	G28	43	15.22	149.60	0.00	0.00	0.00	43	15.22	149.60
113	F28	A28	69	96.77	347.74	0.00	0.00	0.00	69	96.77	347.74
114	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
115	B28	C28	4	440.98	558.16	0.00	0.00	0.00	4	440.98	558.16
116	F28	C28	3	369.39	731.34	0.00	0.00	0.00	3	369.39	731.34
117	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
118	F28	C28	35	133.43	731.82	0.00	0.00	0.00	35	133.43	731.82
119	F28	E28	9	148.73	882.77	0.00	0.00	0.00	9	148.73	882.77
120	F28	E28	9	130.14	886.05	0.00	0.00	0.00	9	130.14	886.05
121	A28	A28	2	449.46	1161.19	0.00	0.00	0.00	2	449.46	1161.19
122	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
123	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
124	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
125	H28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
126	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
127	D28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
128	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
129	F28	C28	3	134.10	732.12	0.00	0.00	0.00	3	134.10	732.12
130	G28	C28	369	757.48	770.24	0.00	0.00	0.00	369	757.48	770.24

131	G28	E28	72	773.37	921.19	0.00	0.00	0.00	72	773.37	921.19
132	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
133	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
134	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
135	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
136	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
137	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
138	H28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
139	D28	E28	2	2082.23	1229.52	0.00	0.00	0.00	2	2082.23	1229.52
140	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
141	D28	E28	2	2082.56	1232.51	0.00	0.00	0.00	2	2082.56	1232.51
142	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
143	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
144	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
145	H28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
146	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
147	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
148	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
149	C28	B28	4	873.75	757.09	0.00	0.00	0.00	4	873.75	757.09
150	E28	B28	372	874.60	625.89	0.00	0.00	0.00	372	874.60	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	16	288.51	751.33	0.00	0.00	0.00	16	288.51	751.33
154	E28	A28	24	287.47	694.21	0.00	0.00	0.00	24	287.47	694.21
155	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
156	C28	G28	60	471.06	875.68	0.00	0.00	0.00	60	471.06	875.68
157	H28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
158	B28	D28	180	125.75	699.67	0.00	0.00	0.00	180	125.75	699.67
159	B28	E28	108	121.40	714.59	0.00	0.00	0.00	108	121.40	714.59
160	B28	G28	111	158.98	1062.09	0.00	0.00	0.00	111	158.98	1062.09
161	B28	F28	6	150.88	969.24	0.00	0.00	0.00	6	150.88	969.24
162	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
163	B28	A28	19	283.55	1018.87	0.00	0.00	0.00	19	283.55	1018.87
164	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
165	B28	B28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
166	B28	C28	95	443.72	555.13	0.00	0.00	0.00	95	443.72	555.13
167	B28	E28	404	461.23	709.11	0.00	0.00	0.00	404	461.23	709.11
168	G28	A28	836	86.02	385.83	0.00	0.00	0.00	836	86.02	385.83
169	G28	B28	160	275.00	789.43	0.00	0.00	0.00	160	275.00	789.43
170	G28	B28	160	175.76	789.81	0.00	0.00	0.00	160	175.76	789.81
171	G28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
175	G28	C28	110	400.73	770.89	0.00	0.00	0.00	110	400.73	770.89
176	G28	E28	131	416.03	921.85	0.00	0.00	0.00	131	416.03	921.85
177	G28	D28	137	399.16	910.21	0.00	0.00	0.00	137	399.16	910.21
178	G28	E28	57	398.62	925.13	0.00	0.00	0.00	57	398.62	925.13
181	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
185	A28	B28	28	585.97	715.70	0.00	0.00	0.00	28	585.97	715.70
186	A28	C28	59	582.33	699.40	0.00	0.00	0.00	59	582.33	699.40
187	A28	E28	241	600.37	850.36	0.00	0.00	0.00	241	600.37	850.36
195	D28	G28	160	697.80	744.99	0.00	0.00	0.00	160	697.80	744.99
196	D28	F28	8	688.73	652.14	0.00	0.00	0.00	8	688.73	652.14
197	D28	G28	20	696.00	740.41	0.00	0.00	0.00	20	696.00	740.41
198	D28	A28	6	745.12	704.14	0.00	0.00	0.00	6	745.12	704.14
199	D28	B28	151	904.11	1101.91	0.00	0.00	0.00	151	904.11	1101.91
200	D28	B28	151	806.28	1102.29	0.00	0.00	0.00	151	806.28	1102.29
201	D28	C28	267	2057.99	1078.16	0.00	0.00	0.00	267	2057.99	1078.16

204	D28	C28	45	1919.41	1077.09	0.00	0.00	0.00	45	1919.41	1077.09
205	D28	E28	12	1935.92	1228.05	0.00	0.00	0.00	12	1935.92	1228.05
206	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
207	D28	E28	2	1920.63	1231.32	0.00	0.00	0.00	2	1920.63	1231.32
210	A28	G28	257	312.20	1200.07	0.00	0.00	0.00	257	312.20	1200.07
211	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
212	A28	D28	13	290.30	841.86	0.00	0.00	0.00	13	290.30	841.86
213	A28	E28	175	290.31	856.77	0.00	0.00	0.00	175	290.31	856.77
214	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
215	G28	F28	6	433.01	1179.78	0.00	0.00	0.00	6	433.01	1179.78
218	A28	G28	135	326.86	1204.28	0.00	0.00	0.00	135	326.86	1204.28
219	A28	F28	8	318.76	1111.43	0.00	0.00	0.00	8	318.76	1111.43
220	H28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
221	F28	F28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
222	A28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
223	A28	E28	53	597.66	853.35	0.00	0.00	0.00	53	597.66	853.35
224	D28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
225	D28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
226	H28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
227	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
228	F28	D28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
229	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
230	G28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
231	A28	G28	10	326.02	1199.70	0.00	0.00	0.00	10	326.02	1199.70
232	A28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
233	B28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
234	C28	G28	41	472.26	875.67	0.00	0.00	0.00	41	472.26	875.67
235	E28	G28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
236	E28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
237	F28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
238	D28	B28	44	2073.21	1099.55	0.00	0.00	0.00	44	2073.21	1099.55
239	D28	B28	43	1975.29	1099.93	0.00	0.00	0.00	43	1975.29	1099.93
240	G28	C28	50	119.28	770.21	0.00	0.00	0.00	50	119.28	770.21
241	E28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
242	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
243	G28	D28	11	776.55	909.27	0.00	0.00	0.00	11	776.55	909.27
244	G28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
245	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
246	E28	C28	47	971.55	1066.29	0.00	0.00	0.00	47	971.55	1066.29
247	E28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
248	D28	C28	31	2057.83	1078.57	0.00	0.00	0.00	31	2057.83	1078.57
249	H28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
250	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
251	H28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
252	F28	C28	3	371.79	731.74	0.00	0.00	0.00	3	371.79	731.74
253	F28	E28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
254	A28	A28	2	377.29	1163.20	0.00	0.00	0.00	2	377.29	1163.20
255	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
256	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
257	C28	H28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
258	C28	A28	10	545.05	838.81	0.00	0.00	0.00	10	545.05	838.81
259	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
260	C28	A28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
261	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
262	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00
263	C28	C28	0	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00

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

Final Prediction Table

Traffic Stream Results

			SIGNALS		FLOWS		PERFORMANCE				PER PCU		QUEUES	WEIGHTS		PENALTIES	P.I.		
Arm	Traffic Stream	Name	Traffic node	Cont roller stream	Phase	Calcu lated flow entering (PCU/hr)	Calcu lated sat flow (PCU/hr)	Act ual gre en (s (per cycle))	Waste d time total (s (per cycle))	Degree of saturation (%)	Practi cal reserve capacity (%)	Journe yTime (s)	Me an Delay per Veh (s)	Me an stops per Veh (%)	Me an max que ue (PCU)	Del ay weig hting multiplier (%)	Stop weig hting multiplier (%)	Cost of traffic penalties (£ per hr)	P.I.
A	1	(untitled)	6	771-2	E	905 <	2050	28	0.00	91	-1	32.00	26.41	74.53	13.71+	100	100	0.00	115.92
	2	(untitled)	6	771-2	E	389	2050	28	0.00	39	129	13.51	7.75	28.94	2.47	100	100	0.00	15.50
	3	(untitled)	6	771-2	E	780 <	2050	28	6.18	100	-10	100.81	94.91	15.740	25.04+	100	100	0.00	331.25
	4	(untitled)	6	771-2	E	473	2050	28	9.00	48	89	21.40	15.37	82.01	7.69	100	100	0.00	41.14
Ac	1	(untitled)	6	771-2	D	845 <	2263	22	0.00	97	-8	69.92	62.73	15.734	23.62+	100	100	0.00	251.80
	2	(untitled)	6	771-2	D	203	2263	22	14.43	25	260	11.50	2.00	33.47	3.48	100	100	0.00	2.76
	3	(untitled)	6	771-2	D	391 <	2263	22	12.64	100	-10	199.37	19.278	24.747	23.32+	100	100	0.00	328.06
Ac f	1	(untitled)	6			1048	2263	60	12.02	46	94	5.91	0.69	1.20	2.52	100	100	0.00	3.24
	2	(untitled)	6			391 <	2263	60	49.64	100	-10	178.62	17.138	22.757	21.24+	100	100	0.00	279.23
Af	1	(untitled)	6			1294	2050	60	6.00	63	43	7.92	1.50	0.00	0.54	100	100	0.00	7.65
	2	(untitled)	6			780 <	2050	60	36.49	68	32	24.39	18.00	73.43	9.37+	100	100	0.00	62.54
	3	(untitled)	6			473	2050	60	15.00	23	290	6.62	0.26	0.00	0.03	100	100	0.00	0.49
B	1	(untitled)	1	769-1	B	314	2050	10	1.00	84	8	59.26	52.16	13.402	7.19	100	100	0.00	78.16
	2	(untitled)	1	769-1	B	394 <	2150	10	0.00	100	-10	212.50	20.521	31.423	25.68+	100	100	0.00	358.82
	3	(untitled)	1	769-1	B	317	2100	10	0.19	84	7	50.49	43.01	11.175	6.08	100	100	0.00	65.15
	4	(untitled)	1	769-1	B	243	2050	10	0.00	65	39	42.93	30.64	96.24	3.91	100	100	0.00	32.26
Bc	1	(untitled)	1	769-1	A	651	2050	38	4.00	49	84	15.13	3.17	25.37	4.34	100	100	0.00	11.83
	2	(untitled)	1	769-1	A	1072 <	2050	38	7.62	100	-10	102.79	90.96	22.305	37.10+	100	100	0.00	437.92

	3	(untitled)	1	769-1	A	513	2050	38	15.91	50	80	16.42	4.71	42.91	11.85	100	100	0.00	14.42
Bc f	1	(untitled)	1			1750	2263	60	8.00	77	16	7.03	2.69	0.00	1.31	100	100	0.00	18.58
	2	(untitled)	1			651	2263	60	9.00	29	213	5.92	0.32	0.00	0.06	100	100	0.00	0.82
	3	(untitled)	1			1072 <	2263	60	31.58	100	-10	74.35	68.47	133.27	25.55+	100	100	0.00	323.91
	4	(untitled)	1			513	2263	60	24.00	23	297	6.62	0.23	0.00	0.03	100	100	0.00	0.47
Bf	1	(untitled)	1			708 <	1800	60	34.41	92	-2	160.39	133.06	345.34	43.68+	100	100	0.00	402.46
	2	(untitled)	1			560	1800	60	0.00	31	189	27.86	0.45	0.00	0.07	100	100	0.00	1.00
C	1	(untitled)	2	769-2	G	481 <	2100	13	0.00	98	-8	194.40	179.87	333.05	28.81+	100	100	0.00	361.51
	2	(untitled)	2	769-2	G	424	2200	13	0.00	83	9	52.38	37.70	114.51	8.21	100	100	0.00	69.14
	3	(untitled)	2	769-2	G	144	2050	13	0.00	30	199	35.53	20.61	82.68	1.98	100	100	0.00	13.20
Cf	1	(untitled)	2			503 <	1965	60	45.31	105	-14	209.67	192.31	323.18	32.86+	100	100	0.00	401.06
	2	(untitled)	2			568	1965	60	0.00	29	211	17.88	0.37	0.00	0.06	100	100	0.00	0.83
D	1	(untitled)	3	770-1	B	367	2050	12	0.00	83	9	60.19	56.07	123.05	7.66	100	100	0.00	95.64
	2	(untitled)	3	770-1	B	401 <	1850	12	0.00	100	-10	155.07	150.95	225.66	18.81+	100	100	0.00	267.69
	3	(untitled)	3	770-1	B	436 <	2250	12	1.38	100	-10	132.84	128.87	181.16	16.92+	100	100	0.00	246.90
Dc	1	(untitled)	3	770-1	A	801	2100	38	1.31	59	52	11.55	7.75	51.82	6.94	100	100	0.00	37.83
	2	(untitled)	3	770-1	A	744	2100	38	2.00	54	65	9.17	5.52	41.51	5.33	100	100	0.00	26.10
	3	(untitled)	3	770-1	A	283	2100	38	25.00	21	334	7.20	3.69	45.01	2.41	100	100	0.00	8.22
	4	(untitled)	3	770-1	A	387	2100	38	26.00	28	218	8.01	4.65	40.93	2.58	100	100	0.00	12.17
Dc f	1	(untitled)	3			1090	2050	60	12.00	53	69	5.94	0.99	0.00	0.30	100	100	0.00	4.27
	2	(untitled)	3			1400	2100	60	12.04	69	30	6.93	1.99	7.76	3.08	100	100	0.00	14.47
	3	(untitled)	3			744	2100	60	17.00	35	154	5.86	0.47	0.00	0.10	100	100	0.00	1.38
	4	(untitled)	3			283	2100	60	36.00	13	567	6.70	0.13	0.00	0.01	100	100	0.00	0.15
	5	(untitled)	3			387	2100	60	38.00	18	389	5.21	0.19	0.00	0.02	100	100	0.00	0.29
Df	1	(untitled)	3-2			860 <	1900	60	35.76	112	-20	246.80	222.80	281.59	62.48+	100	100	0.00	782.90
	2	(untitled)	3-2			483	2250	60	48.38	111	-19	244.72	220.72	277.72	34.56	100	100	0.00	435.68
Dx P	1	(untitled)	3-2	770-2	D	1090	2050	41	1.00	76	19	8.22	4.73	14.33	2.72	100	100	0.00	25.33
	2	(untitled)	3-2	770-2	D	599	2050	41	5.00	42	116	4.61	0.96	2.11	0.22	100	100	0.00	2.68

Ec	1	(untitled)	4	770-3	F	637	2150	35	2.00	49	82	12.86	9.10	62.11	6.40	100	100	0.00	35.55
	2	(untitled)	4	770-3	F	622	2263	35	16.00	46	97	13.53	9.90	67.10	6.85	100	100	0.00	37.66
	3	(untitled)	4	770-3	F	486	2263	35	21.00	36	151	7.46	3.95	34.84	4.79	100	100	0.00	13.01
	4	(untitled)	4	770-3	F	359	2250	35	26.00	27	238	17.47	14.02	10.083	5.93	100	100	0.00	31.50
Ec	1	(untitled)	4			895	2100	60	10.80	44	105	4.68	1.24	7.77	5.09	100	100	0.00	6.60
	2	(untitled)	4			1017	2100	60	11.73	50	81	4.60	1.13	6.73	2.76	100	100	0.00	6.71
	3	(untitled)	4			622	2263	60	35.20	31	188	4.62	1.10	12.03	2.41	100	100	0.00	5.10
	4	(untitled)	4			885	2300	60	34.00	38	134	4.43	0.49	0.00	0.12	100	100	0.00	1.71
Ef	1	(untitled)	4			875 <	1900	60	33.76	105	-15	148.05	13.274	22.772	42.59+	100	100	0.00	481.86
	2	(untitled)	4			617 <	1900	60	40.92	102	-12	122.61	10.730	20.186	25.46+	100	100	0.00	276.44
Exp	1	(untitled)	4-2	770-4	L	895	2050	40	2.00	64	41	8.18	4.29	21.19	5.65	100	100	0.00	21.24
	2	(untitled)	4-2	770-4	L	380	2050	40	8.00	27	232	4.51	0.48	0.00	0.05	100	100	0.00	0.72
F	1	(untitled)	5	771-1	B	126	2100	10	0.00	33	174	18.21	11.82	72.24	2.40	100	100	0.00	8.83
	2	(untitled)	5	771-1	B	207	2100	10	0.00	54	67	22.17	15.74	83.29	3.00	100	100	0.00	18.40
	3	(untitled)	5	771-1	B	301 <	2100	10	2.39	100	-10	246.93	24.039	30.828	22.12+	100	100	0.00	315.56
Fc	1	(untitled)	5	771-1	A	720	2263	40	18.00	47	93	20.55	1.46	11.41	1.87	100	100	0.00	5.52
	2	(untitled)	5	771-1	A	572	2263	40	24.04	38	137	20.33	1.40	19.05	3.46	100	100	0.00	4.97
	3	(untitled)	5	771-1	A	897	2263	40	17.22	100	-10	98.06	78.47	21.894	30.61	100	100	0.00	307.78
Ff	1	(untitled)	5			334	1900	60	18.00	18	413	33.29	0.20	0.00	0.02	100	100	0.00	0.27
	2	(untitled)	5			301 <	1900	60	50.48	100	-10	612.38	57.934	57.526	56.03+	100	100	0.00	710.37
G	1	(untitled)	2	769-2	F	370 <	2050	13	3.15	100	-10	304.75	28.877	41.114	34.24+	100	100	0.00	447.12
	2	(untitled)	2	769-2	F	275	2050	13	5.59	60	50	55.40	44.01	11.961	5.37	100	100	0.00	58.39
Gf	1	(untitled)	4			364 <	2050	60	49.29	99	-10	114.27	11.123	20.592	15.25+	100	100	0.00	183.97
	2	(untitled)	4			239	2050	60	47.00	12	671	3.12	0.12	0.20	2.33	100	100	0.00	0.13
xA	1	(untitled)	10			769	2263	60	25.56	34	163	17.67	0.44	2.31	2.41	100	100	0.00	1.92
	2	(untitled)	10			617	2263	60	34.00	27	230	17.55	0.30	0.00	0.05	100	100	0.00	0.73
xB	1	(untitled)				1750	Unrestricted	60	0.00	0	Unrestricted	5.79	0.00	0.00	0.00	100	100	0.00	0.00
xC	1	(untitled)				704 <	1900	60	37.67	100	-10	119.48	11.081	14.041	29.46+	100	100	0.00	339.54

	2	(untitled)				592	1900	60	40.53	76	18	22.85	14.15	70.03	8.20	100	100	0.00	46.35
xD	1	(untitled)				1090	Unrestricted	60	11.00	0	Unrestricted	9.13	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				599	Unrestricted	60	17.00	0	Unrestricted	9.21	0.00	0.00	0.00	100	100	0.00	0.00
xE	1	(untitled)				895	Unrestricted	60	14.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
	2	(untitled)				380	Unrestricted	60	23.00	0	Unrestricted	13.04	0.00	0.00	0.00	100	100	0.00	0.00
xF	1	(untitled)				745	Unrestricted	60	2.00	0	Unrestricted	12.19	0.00	0.00	0.00	100	100	0.00	0.00
Cc 1	1	(untitled)	2	769-2	E	650	2050	32	4.00	58	56	18.10	11.53	63.24	8.32	100	100	0.00	45.65
E1	1	(untitled)	4	770-3	G	293	2050	14	6.00	57	57	42.09	36.09	107.39	5.26	100	100	0.00	51.89
	2	(untitled)	4	770-3	G	537 <	2200	14	0.00	98	-8	130.13	124.13	224.26	22.32 +	100	100	0.00	301.85
Gf 1	1	(untitled)	4			40	667	60	55.61	7	1175	8.71	5.02	76.13	0.64	100	100	0.00	1.76
Cc 2	2	(untitled)	2	769-2	D	999	2150	33	1.02	85	7	26.58	19.77	81.34	13.33	100	100	0.00	105.98
	3	(untitled)	2	769-2	D	543	2050	33	6.14	47	92	17.84	10.68	74.45	9.10	100	100	0.00	34.96
	4	(untitled)	2	769-2	D	1069 <	2150	33	0.01	88	3	27.64	21.08	88.98	16.71 +	100	100	0.00	122.22
	5	(untitled)	2	769-2	D	243	2050	33	26.00	21	331	21.15	13.17	105.48	4.21	100	100	0.00	18.31
E2	3	(untitled)	4	770-3	H	364 <	2150	14	4.84	100	-10	149.47	145.47	203.35	16.05 +	100	100	0.00	232.78
	4	(untitled)	4	770-3	H	240	2050	14	2.00	47	92	37.03	32.96	79.75	3.18	100	100	0.00	37.31
TC5	2	(untitled)	TC 771-6	TC77 7-1	A	734	2263	38	14.00	49	85	5.72	2.96	17.53	2.12	100	100	0.00	10.16
	3	(untitled)	TC 771-6	TC77 7-1	A	617	2263	38	16.00	41	120	3.83	1.07	3.55	0.37	100	100	0.00	2.87
	4	(untitled)	TC 771-6	TC77 7-1	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)	TC 771-6	TC77 7-1	B	1206 <	1925	39	0.00	89	1	28.94	17.94	79.62	17.12 +	100	100	0.00	97.37
	2	(untitled)	TC 771-6	TC77 7-1	B	774 <	1966	39	18.39	100	-10	116.98	105.93	266.16	29.36 +	100	100	0.00	349.04
	3	(untitled)	TC 771-6	TC77 7-1	B	374	1947	39	9.00	27	228	16.48	5.36	39.21	2.44	100	100	0.00	9.75
TC35	1	(untitled)	TC 771-6	TC77 7-1	A	35	1900	38	30.00	3	3166	4.87	1.97	16.70	0.10	100	100	0.00	0.34
TC36	1	(untitled)	TC 771-6			236	1800	60	0.00	13	586	3.18	0.15	0.00	0.01	100	100	0.00	0.14
TC37	1	(untitled)	TC 771-6	TC77 7-2	J	43	1850	45	45.00	3	2869	4.98	1.79	23.40	0.17	100	100	0.00	0.65
TC38	1	(untitled)	TC 771-6			43	465	60	39.00	9	874	2.83	1.30	27.74	2.42	100	100	0.00	0.64

T C39	2	(untitled)	TC 771-6			734	2263	60	34.00	32	178	2.92	0.38	0.00	0.08	100	100	0.00	1.10
	3	(untitled)	TC 771-6			617	2263	60	36.00	27	230	2.69	0.30	0.00	0.05	100	100	0.00	0.73
T C40	2	(untitled)	TC 771-6			777	Unrestricted	60	21.00	0	Unrestricted	4.23	0.00	0.00	0.00	100	100	0.00	0.00
	3	(untitled)	TC 771-6			617	Unrestricted	60	29.00	0	Unrestricted	4.02	0.00	0.00	0.00	100	100	0.00	0.00
T C41	1	(untitled)	TC 771-6	TC77-7-1	D	193	1850	11	0.00	52	73	30.64	26.71	91.55	2.98	100	100	0.00	26.49
T C42	1	(untitled)	TC 771-6	TC77-7-1	E	0	0	0	0.00	0	-100	0.00	0.00	0.00	0.00	100	100	0.00	0.00
T C43	1	(untitled)				0	1800	60	60.00	0	Unrestricted	0.00	0.00	0.00	0.00	100	100	0.00	0.00
47	1	(untitled)	2			1300	1300	60	0.00	100	-10	64.61	48.58	0.00	17.54	100	100	0.00	249.09
48	1	(untitled)	2			1071	1965	60	0.00	55	65	7.71	1.10	0.00	0.33	100	100	0.00	4.63
49	1	(untitled)	TC 771-6			1206	1900	60	0.00	63	42	4.79	1.64	0.00	0.55	100	100	0.00	7.80
	2	(untitled)	TC 771-6			1353 <	1900	60	23.76	118	-24	289.41	28.62	30.92	124.17+	100	100	0.00	157.22
50	1	(untitled)	1			1364 <	1900	60	19.96	108	-16	155.35	14.95	24.50	74.20+	100	100	0.00	843.70
51	1	(untitled)	4-2			944 <	1900	60	39.95	149	-39	605.62	60.11	39.10	165.93+	100	100	0.00	226.94

Pedestrian Crossing Results

				SIGNALS			FLOWS		PERFORMANCE			PER PED		QUES	WEIG	PENAL	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 queue (Ped)	Delay weighting (%)	Cost of traffic penalties (£ per hr)	P.I	
1	1	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00	
	2	(untitled)	3-2	770-2	E	0	11000	7	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00	
2	1	(untitled)	3	770-1	C	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00	
	2	(untitled)	3	770-1	C	0	11000	36	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00	
3	1	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00	
	2	(untitled)	4-2	770-4	M	0	11000	8	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00	
4	1	(untitled)	4	770-3	J	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00	
	2	(untitled)	4	770-3	J	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00	
5	1	(untitled)	4	770-3	I	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00	

	2	(untitled)	4	770-3	I	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
6	1	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	4	770-3	K	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
7	1	(untitled)	5	771-1	C	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	5	771-1	C	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
8	1	(untitled)	1	769-1	C	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	1	769-1	C	0	11000	34	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
9	1	(untitled)	2	769-2	J	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	J	0	11000	10	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
10	1	(untitled)	2	769-2	K	0	11000	15	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	K	0	11000	15	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
11	1	(untitled)		769-2	H	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		769-2	H	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
12	1	(untitled)	2	769-2	I	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)	2	769-2	I	0	11000	30	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
13	1	(untitled)		TC777-1	I	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	I	0	11000	11	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
14	1	(untitled)		TC777-1	F	0	11000	39	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	F	0	11000	39	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
15	1	(untitled)		TC777-1	G	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	G	0	0	0	0	-100	0.00	0.00	0.00	100	0.00	0.00
16	1	(untitled)		TC777-1	H	0	11000	9	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-1	H	0	11000	9	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
17	1	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00
	2	(untitled)		TC777-2	K	0	11000	5	0	Unrestricted	0.00	0.00	0.00	100	0.00	0.00

Network Results

	Distance travelled (PCU-km/hr)	Time spent (PCU-hr/hr)	Mean journey speed (kph)	Total delay (PCU-hr/hr)	Weighted cost of delay (£ per hr)	Weighted cost of stops (£ per hr)	Excess queue penalty (£ per hr)	Performance Index (£ per hr)
Normal traffic	6227.61	1186.34	5.25	1025.18	14557.53	1202.08	0.00	15759.61
Bus								
Tram								
Pedestrians	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	6227.61	1186.34	5.25	1025.18	14557.53	1202.08	0.00	15759.61

- < = 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%

- \wedge = 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**