Appendix E – Access Option 1 - Scenario 3a TRANSYT results

A38/A4097 Minworth Roundabout - Peddimore Lane Junction

Project Name: Peddimore Access Modelling
Project Number: 60316941
Subject: Scenario 3 - TRANSYT flows Inputs
Date: Feb-14

Source:
These flows are taken from PJA
Development Scenarios v2.xlsx

Applying these percentages from zones 1,2,7 to zones 3,4,5 and 6

	3	4	5	6	
AM Peak	13	639	1495	264	2411
	1%	27%	62%	11%	
PM Peak	30	552	1319	358	2260
	1%	24%	58%	16%	

Applying these percentages from zones 3,4,5 and 6 to zones 1,2 and 7

	AM Peak		PM Peak	
3	31	2%	11	1%
4	617	31%	589	27%
5	1152	58%	1357	63%
6	180	9%	199	9%
	1979		2156	

AM Peak

2031 Scenario 3 vehicle flows
Step 1: Flows provided by PJA

2031 Scenario 3 vehicle flows

Zones in TRANSYT	1	2	3	4	5	6	7	Total	
1	0	70	6	317	741	131	23	1289	
2	16	0	1	59	137	24	44	281	check
3	11	15	0	65	39	19	5	154	31
4	222	304	7	0	339	363	91	1326	617
5	415	567	6	412	0	256	169	1824	1151
6	65	88	5	375	801	0	26	1360	179
7	79	172	5	263	616	109	0	1244	
Total	807	1216	30	1491	2673	902	358		
check	13	639	1494	264					

2013 HGV Percentages — 2013 base flows - HGV percent.xls
Dev access HGV Percentages — Development Scenarios HGV %ages.xlsx
Step 2: Based on the 2013 base flows pecentages for Zone 1, 3, 4, 5 and 6
PJA have provided HGV percentages for development access. For zones 2 and 7 took an average of all HGV percentages for AM peak and is assumed as 4%

2031 HGV percentages

Zones in TRANSYT	1	2	3	4	5	6	7	Total
1	0%	0%	0%	7%	8%	2%	0%	
2	1%	0%	0%	3%	8%	1%	0%	13%
3	0%	0%	0%	4%	0%	5%	0%	
4	5%	1%	0%	0%	13%	3%	0%	
5	13%	2%	27%	8%	0%	5%	0%	
6	3%	0%	0%	2%	2%	0%	0%	
7	0%	0%	0%	0%	0%	0%	0%	
Total		3%						

2031 HGV
Step 3: Step 1* Step 2

2031 HGV

Zones in TRANSYT	1	2	3	4	5	6	7	Total
1	0	2	0	22	59	2	0	
2	2	0	0	9	21	4	0	37
3	0	1	0	2	0	1	0	
4	12	11	0	0	43	12	0	
5	55	20	2	33	0	13	0	
6	2	3	0	8	13	0	0	
7	0	0	0	0	0	0	0	
Total		36						

2031 cars
Step 4: step 1- step 3

2031 Cars

Zones in TRANSYT	1	2	3	4	5	6	7	Total
1	0	68	6	295	683	129	23	
2	13	0	1	50	116	20	44	
3	11	15	0	63	39	18	5	
4	210	293	7	0	296	351	91	
5	360	547	4	379	0	243	169	
6	63	85	5	367	788	0	26	
7	79	172	5	263	616	109	0	
Total		1179						

2031 Scenario 3 - pcus
Step 5: Step 4 + (2*Step 3)

Assumptions
Car 1 pcu
HGV 2 pcu

2031 Pcus

Zones in TRANSYT	1	2	3	4	5	6	7	Total
1	0	72	6	339	800	133	23	1374
2	18	0	1	68	158	28	44	318
3	11	16	0	68	39	20	5	158
4	234	315	7	0	382	375	91	1404
5	469	587	8	444	0	269	169	1945
6	66	92	5	382	814	0	26	1385
7	79	172	5	263	616	109	0	1244
Total	878	1252	32	1564	2809	934	358	7828

PM Peak

2031 Scenario 3 vehicle flows
Step 1: Flows provided by PJA

2031 Scenario 3 vehicle flows

Zones in TRANSYT	1	2	3	4	5	6	7	Total	
1	0	10	12	222	529	144	63	979	
2	60	0	11	205	490	133	141	1040	check
3	6	1	0	18	10	12	4	50	11
4	338	39	2	0	295	636	211	1521	587
5	778	90	38	542	0	520	485	2453	1353
6	114	13	14	236	598	0	71	1046	198
7	41	55	7	124	297	81	0	605	
Total	1338	209	85	1347	2219	1525	974		
check	30	551	1316	357					

2013 HGV Percentages
Step 2: Based on the 2013 base flows pecentages for Zone 1, 3, 4, 5 and 6
PJA have provided HGV percentages for development access. For zones 2 and 7 took an average of all HGV percentages for AM peak and is assumed as 4%

2031 HGV percentages

Zones in TRANSYT	1	2	3	4	5	6	7	Total
1	0%	1%	0%	12%	6%	1%	0%	
2	0%	0%	0%	1%	2%	0%	0%	3%
3	0%	0%	0%	0%	0%	0%	0%	
4	2%	3%	0%	0%	10%	1%	0%	
5	5%	7%	0%	2%	0%	1%	0%	
6	2%	1%	0%	3%	2%	0%	0%	
7	0%	0%	0%	0%	0%	0%	0%	
Total		12%						

2031 HGV
Step 3: Step 1* Step 2

2031 HGV

Zones in TRANSYT	1	2	3	4	5	6	7	Total
1	0	2	0	26	33	2	0	
2	2	0	0	7	17	5	0	31
3	0	0	0	0	0	0	0	
4	7	6	0	0	29	6	0	
5	37	15	0	12	0	7	0	
6	2	2	0	7	13	0	0	
7	0	0	0	0	0	0	0	
Total		25						

2031 cars
Step 4: step 1- step 3

2031 Cars

Zones in TRANSYT	1	2	3	4	5	6	7	Total
1	0	9	12	195	496	142	63	
2	58	0	11	198	473	128	141	
3	6	1	0	18	10	12	4	
4	330	33	2	0	266	630	211	
5	741	75	38	531	0	513	485	
6	112	11	14	228	585	0	71	
7	41	55	7	124	297	81	0	
Total		184						

2031 Scenario 3 - pcus
Step 5: Step 4 + (2*Step 3)

Assumptions
Car 1 pcu
HGV 2 pcu

2031 Pcus

Zones in TRANSYT	1	2	3	4	5	6	7	Total
1	0	12	12	248	562	146	63	1043
2	62	0	12	212	507	138	141	1071
3	6	1	0	18	10	12	4	50
4	345	46	2	0	324	642	211	1570
5	815	105	38	554	0	527	485	2524
6	116	15	14	243	611	0	71	1071
7	41	55	7	124	297	81	0	605
Total	1386	234	85	1399	2311	1545	974	7934

Prepared by:	**Sravani Vuppala**	**04.03.14**
Checked by:	**Jenny Oakes**	**12.03.14**

TRANSYT 15

Version: 15.0.1.2976 []

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Last run: 26/06/2014 16:25:23
Analysis Set used for last run: A1 - 2031 AM Scenario 3

Filename: Option 4 with AM-PM Scenario 3 Rev 2.t15
Path: F:\TEM\Project\BCC - Peddimore Access Modelling\3. EXECUTION\Modelling\Scenario 3
Report generation date: 26/06/2014 16:33:17

File summary

File Description

Title	A38 Peddimore Lane Junction - Minworth roundabout
Location	Birmingham
Site Number	
UTCRegion	
Driving Side	Left
Date	02/03/2014
Version	
Status	Proposed Option
Identifier	
Client	Birmingham City Council
Jobnumber	60316941
Enumerator	EU\vuppalas
Description	2031 SC3 - Peddimore Lane junction flows tested in preferred Option Model for Minworth roundabout

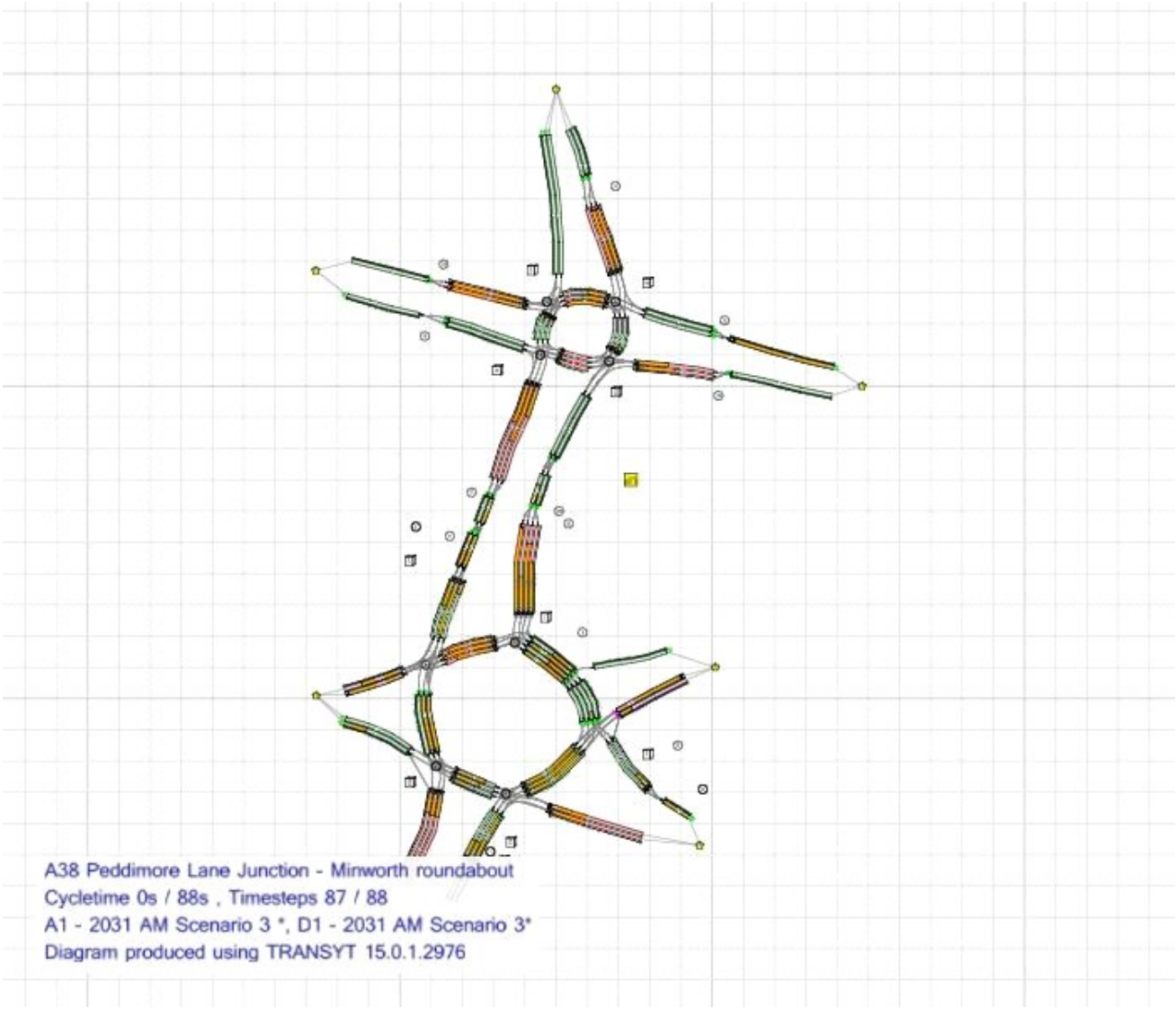
Units

Cost Units	Speed Units	Distance Units	Fuel Economy Units	Fuel Rate Units	Mass Units	Flow Units	Average Delay Units	Total Delay Units	Rate Of Delay Units
£	kph	m	mpg	l/h	kg	perHour	s	-Hour	perHour

Sorting

Show Names Instead of IDs (For Aimsun)	Sorting Direction	Sorting Type	Ignore Prefixes When Sorting	Link Grouping	Source Grouping
	Ascending	Numerical		Normal	Normal

Network Diagrams



A1 - 2031 AM Scenario 3 *: D1 - 2031 AM Scenario 3*

Summary

Data Errors and Warnings

No errors or warnings

Run Summary

Analysis Set Used	Run Start Time	Run Finish Time	Modelling Start Time (HH:mm)	Network Cycle Time (s)	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	Netw Wit Capa
A1 - 2031 AM Scenario 3	26/06/2014 16:22:56	26/06/2014 16:25:23	08:00	88	235.13	114.71	B/2	9	10	G/1	B/2	B/2	

Analysis Set Details

Name	Description	Demand Set	Include In Report	Locked
2031 AM Scenario 3		D1	✓	

Demand Set Details

Demand Set	Name	Description	Composite	Demand Sets	Start Time (HH:mm)	Locked
D1	2031 AM Scenario 3				08:00	

Network Options

Network Timings

Network Cycle Time (s)	Restrict To SCOOT Cycle Times	Time Segment Length (min)	Number Of Time Segments	Modelled Time Period (min)
88		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 (£)
10000.00	10000.00	10000.00

Traffic Options

Traffic Model	Vehicle Flow Scaling Factor (%)	Pedestrian Flow Scaling Factor (%)	Cruise Times Or Speeds
Force To PDM	100	100	Cruise Speeds

Advanced

Resolution	DOS Threshold (%)	Cruise Scaling Factor (%)	Use Link Stop Weightings	Use Link Delay Weightings	Exclude Pedestrian Links	Random Delay Mode	Type of Vehicle-in-Service	Type Of Random Parameter	PCU Length (m)	Calculate results for Path Segments
1	90	100	✓	✓		Complex	Uniform (TRANSYT)	Uniform (TRANSYT)	5.75	

Normal Parameters

Dispersal Type	Dispersal Coefficient	Travel Time Coefficient
Default	35	80

Bus Parameters

Dispersion Coefficient1	Dispersion Coefficient2	Acceleration (ms^[-2])	Travel Time Coefficient1	Travel Time Coefficient2
70	15	0.47	30	85

Tram Parameters

Dispersion Coefficient1	Dispersion Coefficient2	Acceleration (ms^[-2])	Travel Time Coefficient1	Travel Time Coefficient2
0	0	0.47	100	100

Pedestrian Parameters

Dispersal Type	Dispersal Coefficient	Travel Time Coefficient
Default	35	80

Optimisation Options

Enable Optimisation	Auto Redistribute	Optimisation Level	Enable Out Profile Accuracy
✓		Offsets Only	✓

Advanced

Optimisation Type	Hill Climb Increments	OUTProfile Accuracy	Use Enhanced Optimisation	Auto Optimisation Order	Optimisation Order
Hill Climb (Fast)	15,40,15,40,15,1,1	50,50,5,5,0.5,0.05,0.05		✓	2,1,3,5,6,7,8,9,10,11

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

ID	Name	Description
1	A38 N	
2	Lindridge Drive	
3	A4097 Kinsbury Road	
4	A38 S	
5	Wamley Ash Road	
6	Lindridge Drive Circulatory	
7	A38 South Exit	
8	A38 North Exit	
9	A4097 Kingsbury Road Exit	
10	A38 NB	
11	Dev Access	
12	A38 South bound	
13	Peddimore	
14	Dev Access	
15	A38 Southbound	
16	Peddimore	
17	A38 North Exit	
18	Dev Access Exit	
19	Peddimore	
20	A30 Southbound Exit	
21	(untitled)	
22	(untitled)	

Arms and Traffic Streams

Arms

Arm	Name	Description	Traffic Node
A	A38 North		1
Ac	A38 North Circulatory		1
Ax	A38 North Exit		8
Ax1	(untitled)		21
Ax2	A38 North Exit		17
B	Lindridge Drive		2
C	A4097 Kingsbury Road		3
Bc	Lindridge Drive Circulatory		6
Bc1	Lindridge Drive Circulatory 2		2
Bx	Lindridge drive Exit		
Cc	A4097 Kingsbury Road Circulatory		3
Cx	A4097 Kinsbury Road Exit		9
Cx1	A4097 Kingsbury Road Exit		
D	A38 South		4
E	Wamley Ash Road		5
F	A38 South Entry		10
G	Dev Access Entry		11
H	A38 North Entry		12
I	Peddimore Entry		13
Dc	A38 South Circulatory		4
Dx	A38 South Exit		7
Dx1	A38 South Exit		
Ec	Wamley Ash Road Circulatory		5
Ex	Wamley Ash Road Exit		
Fc	A38 South Circulatory		10
Fx	A38 South Exit		20
Fx1	(untitled)		22
G1	Dev Access Entry 1		14
Gc	Dev access Circulatory		11
Gx	Dev Access exit		18
Gx1	Dev Access Exit 1		
H1	A38 North Entry		15
Hc	A38 North Circulatory		12
Hx	A38 North Exit		
I1	Peddimore Entry 1		16
Ic	Peddimore Circulatory		13
Ix	Peddimore Exit		19
Ix1	Peddimore Exit		

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto Length	Length (m)	Has Restricted Flow	Saturation Flow Source	Saturation Flow (PCU/hr)	Is Signal Controlled	Is Give Way	Traffic Type
A	1	(untitled)			100.00	✓	SumOfLanes	2128	✓		Normal
A	2	(untitled)			150.00	✓	SumOfLanes	2279	✓		Normal
A	3	A38 North Entry			150.00	✓	SumOfLanes	2279	✓		Normal
A	4	(untitled)			150.00	✓	SumOfLanes	2279	✓		Normal

Ax1	**1**	(untitled)			20.00	✓	SumOfLanes	1800			Normal
Ax1	**2**	(untitled)			20.00	✓	SumOfLanes	1800			Normal
Ax2	**1**	A38 North Exit			80.00	✓	SumOfLanes	1800			Normal
Ax2	**2**	A38 North Exit			80.00	✓	SumOfLanes	1800			Normal
B	**1**	(untitled)			30.00					✓	Normal
B	**2**	(untitled)			30.00					✓	Normal
Bc1	**1**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
Bc1	**2**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
Bc1	**3**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
Bc1	**4**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
C	**1**	(untitled)			200.00	✓	SumOfLanes	2263	✓		Normal
C	**2**	(untitled)			200.00	✓	SumOfLanes	2263	✓		Normal
Cx1	**1**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
D	**1**	(untitled)			300.00	✓	SumOfLanes	2159	✓		Normal
D	**2**	(untitled)			300.00	✓	SumOfLanes	2317	✓		Normal
D	**3**	(untitled)			300.00	✓	SumOfLanes	2317	✓		Normal
Ac	**1**	(untitled)			54.00	✓	SumOfLanes	2112	✓		Normal
Ac	**2**	(untitled)			54.00	✓	SumOfLanes	2263	✓		Normal
Ac	**3**	(untitled)			54.00	✓	SumOfLanes	2263	✓		Normal
Ax	**1**	(untitled)			100.00	✓	SumOfLanes	1965	✓		Normal
Ax	**2**	(untitled)			100.00	✓	SumOfLanes	2105	✓		Normal
Ax	**3**	(untitled)			100.00	✓	SumOfLanes	2105	✓		Normal
Bc	**1**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc	**2**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc	**3**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc	**4**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bx	**1**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Cc	**1**	(untitled)			65.00	✓	SumOfLanes	2059	✓		Normal
Cc	**2**	(untitled)			65.00	✓	SumOfLanes	2209	✓		Normal
Cc	**3**	(untitled)			65.00	✓	SumOfLanes	2181	✓		Normal
Cx	**1**	A4097 Kinsbury Road Exit			100.00	✓	SumOfLanes	2120	✓		Normal
Cx	**2**	A4097 Kinsbury Road Exit			100.00	✓	SumOfLanes	2120	✓		Normal
Dc	**1**	(untitled)			90.00	✓	SumOfLanes	2059	✓		Normal
Dc	**2**	(untitled)			90.00	✓	SumOfLanes	2172	✓		Normal
Dc	**3**	(untitled)			90.00	✓	SumOfLanes	2185	✓		Normal
Dx	**1**	(untitled)			56.00	✓	SumOfLanes	1915	✓		Normal
Dx	**2**	(untitled)			56.00	✓	SumOfLanes	2055	✓		Normal
Dx	**3**	(untitled)			56.00	✓	SumOfLanes	2055	✓		Normal
Dx1	**1**	A38 South Exit			250.00	✓	SumOfLanes	2155			Normal
Dx1	**2**	A38 South Exit			250.00	✓	SumOfLanes	2155			Normal
E	**1**	(untitled)			200.00					✓	Normal
E	**2**	(untitled)			200.00					✓	Normal
F	**1**	(untitled)			210.00	✓	SumOfLanes	2134	✓		Normal
F	**2**	(untitled)			210.00	✓	SumOfLanes	2284	✓		Normal
F	**3**	(untitled)			210.00	✓	SumOfLanes	2284	✓		Normal
Ec	**1**	(untitled)			50.00	✓	SumOfLanes	1800			Normal

Ec	2	(untitled)			50.00	✓	SumOfLanes	1800			Normal
Ec	3	(untitled)			50.00	✓	SumOfLanes	1800			Normal
Ex	1	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Ex	2	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Fc	1	(untitled)			74.00	✓	SumOfLanes	2166	✓		Normal
Fc	2	(untitled)			74.00	✓	SumOfLanes	2317	✓		Normal
Fc	3	(untitled)			74.00	✓	SumOfLanes	2317	✓		Normal
Fx	1	(untitled)			290.00	✓	SumOfLanes	2112			Normal
Fx	2	(untitled)			290.00	✓	SumOfLanes	2263			Normal
Fx1	1	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Fx1	2	(untitled)			100.00	✓	SumOfLanes	1800			Normal
G	1	(untitled)			76.00	✓	SumOfLanes	2123	✓		Normal
G	2	(untitled)			76.00	✓	SumOfLanes	2274	✓		Normal
G1	1	(untitled)			60.00	✓	SumOfLanes	2112			Normal
Gc	1	(untitled)			70.00	✓	SumOfLanes	2166	✓		Normal
Gc	2	(untitled)			70.00	✓	SumOfLanes	2317	✓		Normal
Gc	3	(untitled)			70.00	✓	SumOfLanes	2317	✓		Normal
Gx	1	(untitled)			56.00	✓	SumOfLanes	2112			Normal, Bus, Tram
Gx	2	(untitled)			56.00	✓	SumOfLanes	2263			Normal, Bus, Tram
Gx1	1	(untitled)			20.00	✓	SumOfLanes	1965			Normal, Bus, Tram
H	1	(untitled)			96.00	✓	SumOfLanes	2134	✓		Normal
H	2	(untitled)			96.00	✓	SumOfLanes	2284	✓		Normal
H	3	(untitled)			96.00	✓	SumOfLanes	2284	✓		Normal
I	1	(untitled)			60.00	✓	SumOfLanes	2123	✓		Normal
I	2	(untitled)			60.00	✓	SumOfLanes	2274	✓		Normal
H1	1	(untitled)			100.00	✓	SumOfLanes	2112			Normal
H1	2	(untitled)			100.00	✓	SumOfLanes	2263			Normal
Hc	1	(untitled)			67.00	✓	SumOfLanes	2166	✓		Normal
Hc	2	(untitled)			67.00	✓	SumOfLanes	2317	✓		Normal
Hc	3	(untitled)			67.00	✓	SumOfLanes	2317	✓		Normal
Hx	1	(untitled)			100.00	✓	SumOfLanes	2112			Normal
Hx	2	(untitled)			100.00	✓	SumOfLanes	2263			Normal
I1	1	(untitled)			100.00	✓	SumOfLanes	2112			Normal
Ic	1	(untitled)			65.00	✓	SumOfLanes	2166	✓		Normal
Ic	2	(untitled)			65.00	✓	SumOfLanes	2317	✓		Normal
Ic	3	(untitled)			65.00	✓	SumOfLanes	2317	✓		Normal
Ix	1	(untitled)			45.00	✓	SumOfLanes	2112			Normal, Bus, Tram
Ix	2	(untitled)			45.00	✓	SumOfLanes	2263			Normal, Bus, Tram
Ix1	1	(untitled)			15.00	✓	SumOfLanes	2112			Normal, Bus, Tram

Lanes

Arm	Traffic Stream	Lane	Name	Description	Use RR67	Surface Condition	Site Quality Factor	Gradient (%)	Width (m)	Use Connector Turning Radius	Proportion That Turn (%)	Turning Radius (m)	Nearside Lane	Saturation Flow (PCU/hr)
A	1	2	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00	✓	2128

A	**2**	**1**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
A	**3**	**3**	(untitled)		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
A	**4**	**2**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
Ax1	**1**	**1**	(untitled)											1800
Ax1	**2**	**1**	(untitled)											1800
Ax2	**1**	**1**	(untitled)											1800
Ax2	**2**	**1**	(untitled)											1800
B	**1**	**1**	Lindridge Drive Entry											
B	**2**	**2**	Lindridge Drive Entry											
Bc1	**1**	**2**	Lindridge Drive Circulatory											1800
Bc1	**2**	**1**	Lindridge Drive Circulatory											1800
Bc1	**3**	**3**	Lindridge Drive Circulatory											1800
Bc1	**4**	**3**	Lindridge Drive Circulatory											1800
C	**1**	**1**	A4097 Kingsbury Road Entry		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
C	**2**	**2**	A4097 Kingsbury Road Entry		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Cx1	**1**	**1**	(untitled)											1800
D	**1**	**2**	A38 South Entry		✓	N/A	Clearly Good	0	4.00		10	42.00	✓	2159
D	**2**	**1**	A38 South Entry		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
D	**3**	**3**	A38 South Entry		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
Ac	**1**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Ac	**2**	**2**	A38 North Circulatory		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Ac	**3**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Ax	**1**	**2**	A38 North Exit		✓	N/A	N/A	0	3.50		0	10.00	✓	1965
Ax	**2**	**1**	A38 North Exit		✓	N/A	N/A	0	3.50		0	10.00		2105
Ax	**3**	**1**	A38 North Exit		✓	N/A	N/A	0	3.50		0	10.00		2105
Bc	**1**	**2**	Lindridge Drive Circulatory											1800
Bc	**2**	**1**	Lindridge Drive Circulatory											1800
Bc	**3**	**3**	Lindridge Drive Circulatory											1800

Bc	**4**	**3**	Lindridge Drive Circulatory										1800
Bx	**1**	**2**	Lindridge drive Exit										1800
Cc	**1**	**1**	A4097 Kingsbury Road Circulatory		✓	N/A	Clearly Good	0	3.00		0	10.00	✓	2059
Cc	**2**	**2**	A4097 Kingsbury Road Circulatory		✓	N/A	Clearly Good	0	3.00		0	10.00		2209
Cc	**3**	**2**	A4097 Kingsbury Road Circulatory		✓	N/A	Clearly Good	0	3.00		43	50.00		2181
Cx	**1**	**2**	A4097 Kinsbury Road Exit		✓	N/A	N/A	0	3.65		0	10.00		2120
Cx	**2**	**3**	A4097 Kinsbury Road Exit		✓	N/A	N/A	0	3.65		0	10.00		2120
Dc	**1**	**2**	A38 South Circulatory		✓	N/A	Clearly Good	0	3.00		0	10.00	✓	2059
Dc	**2**	**1**	A38 South Circulatory		✓	N/A	Clearly Good	0	3.00		56	49.00		2172
Dc	**3**	**1**	A38 South Circulatory		✓	N/A	Clearly Good	0	3.00		35	49.00		2185
Dx	**1**	**1**	A38 South Exit		✓	N/A	N/A	0	3.00		0	10.00	✓	1915
Dx	**2**	**2**	A38 South Exit		✓	N/A	N/A	0	3.00		0	10.00		2055
Dx	**3**	**2**	A38 South Exit		✓	N/A	N/A	0	3.00		0	10.00		2055
Dx1	**1**	**1**	(untitled)		✓	N/A	N/A	0	4.00		0	10.00		2155
Dx1	**2**	**1**	(untitled)		✓	N/A	N/A	0	4.00		0	10.00		2155
E	**1**	**3**	(untitled)											
E	**2**	**3**	(untitled)											
F	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.70		0	10.00	✓	2134
F	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.70		0	10.00		2284
F	**3**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.70		0	10.00		2284
Ec	**1**	**2**	Wamley Ash Road Circulatory											1800
Ec	**2**	**1**	Wamley Ash Road Circulatory											1800
Ec	**3**	**3**	(untitled)											1800
Ex	**1**	**1**	Wamley Ash Road Exit											1800
Ex	**2**	**2**	Wamley Ash Road Exit											1800
Fc	**1**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00	✓	2166

Fc	**2**	**2**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
Fc	**3**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
Fx	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Fx	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Fx1	**1**	**1**	(untitled)											1800
Fx1	**2**	**1**	(untitled)											1800
G	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.60		0	10.00	✓	2123
G	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.60		0	10.00		2274
G1	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Gc	**1**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00	✓	2166
Gc	**2**	**2**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
Gc	**3**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
Gx	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Gx	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Gx1	**1**	**2**	A38 North Exit		✓	N/A	N/A	0	3.50		0	10.00	✓	1965
H	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.70		0	10.00	✓	2134
H	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.70		0	10.00		2284
H	**3**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.70		0	10.00		2284
I	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.60		0	10.00	✓	2123
I	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.60		0	10.00		2274
H1	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
H1	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Hc	**1**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00	✓	2166
Hc	**2**	**2**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
Hc	**3**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
Hx	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Hx	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
I1	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Ic	**1**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00	✓	2166
Ic	**2**	**2**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
Ic	**3**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00		2317

Ix	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Ix	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Ix1	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112

Modelling

Arm	Traffic Stream	Traffic Model	Stop Weighting Multiplier (%)	Delay Weighting Multiplier (%)	Exclude From Results Calculation	Max Queue Storage (PCU)	Has Queue Limit	Queue Limit (PCU)	Excess Queue Penalty (£)	Has Degree Of Saturation Limit
A	**1**	[Forced to PDM]	20	40	✓	0.00				
A	**2**	[Forced to PDM]	20	40	✓	0.00				
A	**3**	[Forced to PDM]	20	40	✓	0.00				
A	**4**	[Forced to PDM]	20	40	✓	0.00				
Ax1	**1**	[Forced to PDM]	100	100		0.00				
Ax1	**2**	[Forced to PDM]	100	100		0.00				
Ax2	**1**	[Forced to PDM]	100	100		0.00				
Ax2	**2**	[Forced to PDM]	100	100		0.00				
B	**1**	[Forced to PDM]	100	100		0.00				
B	**2**	[Forced to PDM]	100	100		0.00				
Bc1	**1**	[Forced to PDM]	100	100		0.00	✓	5	0.00	
Bc1	**2**	[Forced to PDM]	100	100		0.00	✓	5	0.00	
Bc1	**3**	[Forced to PDM]	100	100		0.00	✓	5	0.00	
Bc1	**4**	[Forced to PDM]	100	100		0.00	✓	5	0.00	
C	**1**	[Forced to PDM]	0	40		0.00				
C	**2**	[Forced to PDM]	0	40		0.00				
Cx1	**1**	[Forced to PDM]	100	100		0.00				
D	**1**	[Forced to PDM]	0	40		0.00				
D	**2**	[Forced to PDM]	0	40		0.00				
D	**3**	[Forced to PDM]	0	40		0.00				
Ac	**1**	[Forced to PDM]	100	100		7.00	✓	7	80.00	
Ac	**2**	[Forced to PDM]	100	100		7.00	✓	7	0.00	
Ac	**3**	[Forced to PDM]	100	100		7.00	✓	7	0.00	
Ax	**1**	[Forced to PDM]	100	100		0.00				

Ax	**2**	[Forced to PDM]	100	100		0.00				
Ax	**3**	[Forced to PDM]	100	100		0.00				
Bc	**1**	[Forced to PDM]	100	100		0.00	✓	15	0.00	
Bc	**2**	[Forced to PDM]	100	100		0.00	✓	15	0.00	
Bc	**3**	[Forced to PDM]	100	100		0.00	✓	15	0.00	
Bc	**4**	[Forced to PDM]	100	100		0.00	✓	15	0.00	
Bx	**1**	[Forced to PDM]	100	100		0.00				
Cc	**1**	[Forced to PDM]	100	100		6.00	✓	6	60.00	
Cc	**2**	[Forced to PDM]	100	100		6.00	✓	6	60.00	
Cc	**3**	[Forced to PDM]	100	100		6.00	✓	6	60.00	
Cx	**1**	[Forced to PDM]	100	100		0.00				
Cx	**2**	[Forced to PDM]	100	100		0.00				
Dc	**1**	[Forced to PDM]	1000	1000		0.00	✓	13	60.00	
Dc	**2**	[Forced to PDM]	100	100		0.00	✓	13	30.00	
Dc	**3**	[Forced to PDM]	100	100		0.00	✓	13	0.00	
Dx	**1**	[Forced to PDM]	100	100		0.00				
Dx	**2**	[Forced to PDM]	100	100		0.00				
Dx	**3**	[Forced to PDM]	100	100		0.00				
Dx1	**1**	[Forced to PDM]	100	100		0.00				
Dx1	**2**	[Forced to PDM]	100	100		0.00				
E	**1**	[Forced to PDM]	100	40		0.00				
E	**2**	[Forced to PDM]	100	40		0.00				
F	**1**	[Forced to PDM]	100	100		0.00				
F	**2**	[Forced to PDM]	100	100		0.00				
F	**3**	[Forced to PDM]	100	100		0.00				
Ec	**1**	[Forced to PDM]	100	100		0.00	✓	6	0.00	
Ec	**2**	[Forced to PDM]	100	100		0.00	✓	6	60.00	
Ec	**3**	[Forced to PDM]	100	100		0.00	✓	6	60.00	
Ex	**1**	[Forced to PDM]	100	100		0.00				
Ex	**2**	[Forced to PDM]	100	100		0.00				

Fc	**1**	[Forced to PDM]	100	100		7.00	✓	3	0.00	
Fc	**2**	[Forced to PDM]	100	100		7.00	✓	3	0.00	
Fc	**3**	[Forced to PDM]	100	100		7.00	✓	3	0.00	
Fx	**1**	[Forced to PDM]	100	100		0.00				
Fx	**2**	[Forced to PDM]	100	100		0.00				
Fx1	**1**	[Forced to PDM]	100	100		0.00				
Fx1	**2**	[Forced to PDM]	100	100		0.00				
G	**1**	[Forced to PDM]	20	50		0.00				
G	**2**	[Forced to PDM]	20	50		0.00				
G1	**1**	[Forced to PDM]	100	100		0.00				
Gc	**1**	[Forced to PDM]	100	100		7.00	✓	2	100.00	
Gc	**2**	[Forced to PDM]	100	100		7.00	✓	2	100.00	
Gc	**3**	[Forced to PDM]	100	100		7.00	✓	2	100.00	
Gx	**1**	[Forced to PDM]	100	100		0.00				
Gx	**2**	[Forced to PDM]	100	100		0.00				
Gx1	**1**	[Forced to PDM]	100	100		0.00				
H	**1**	[Forced to PDM]	100	100		0.00				
H	**2**	[Forced to PDM]	100	100		0.00				
H	**3**	[Forced to PDM]	100	100		0.00				
I	**1**	[Forced to PDM]	0	40	✓	0.00				
I	**2**	[Forced to PDM]	0	40	✓	0.00				
H1	**1**	[Forced to PDM]	100	100		0.00				
H1	**2**	[Forced to PDM]	100	100		0.00				
Hc	**1**	[Forced to PDM]	100	100		7.00	✓	3	2000.00	
Hc	**2**	[Forced to PDM]	100	100		7.00	✓	3	2000.00	
Hc	**3**	[Forced to PDM]	100	100	✓	7.00	✓	3	2000.00	
Hx	**1**	[Forced to PDM]	100	100		0.00				
Hx	**2**	[Forced to PDM]	100	100		0.00				
I1	**1**	[Forced to PDM]	100	100		0.00				
Ic	**1**	[Forced to PDM]	100	100		7.00	✓	2	80.00	

Ic	**2**	[Forced to PDM]	100	100		7.00	✓	2	100.00	
Ic	**3**	[Forced to PDM]	100	100		7.00	✓	2	0.00	
Ix	**1**	[Forced to PDM]	100	100		0.00				
Ix	**2**	[Forced to PDM]	100	100		0.00				
Ix1	**1**	[Forced to PDM]	100	100		0.00				

Modelling - Advanced

Arm	Traffic Stream	Cruise Sensitivity Multiplier (%)	Initial Queue (PCU)	Type of Vehicle-in-Service	Vehicle-in-Service	Type Of Random Parameter	Random Parameter	Auto Cycle Time	Cycle Time
A	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
A	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
A	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
A	**4**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax1	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax2	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax2	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
B	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
B	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc1	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc1	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc1	**4**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
D	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
D	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
D	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ac	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ac	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ac	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc	**4**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cc	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cc	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cc	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dc	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88

Dc	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dc	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dx	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dx	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dx1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dx1	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
E	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
E	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
F	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
F	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
F	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ec	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ec	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ec	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ex	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ex	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Fc	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Fc	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Fc	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Fx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Fx	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Fx1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Fx1	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
G	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
G	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
G1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Gc	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Gc	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Gc	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Gx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Gx	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Gx1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
H	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
H	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
H	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
I	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
I	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
H1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
H1	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Hc	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Hc	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Hc	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Hx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Hx	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
I1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ic	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ic	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ic	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88

Ix	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ix	2	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ix1	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88

Normal - Modelling

Arm	Traffic Stream	Stop Weighting (%)	Delay Weighting (%)
A	1	100	100
A	2	100	100
A	3	100	100
A	4	100	100
Ax1	1	100	100
Ax1	2	100	100
Ax2	1	100	100
Ax2	2	100	100
B	1	100	100
B	2	100	100
Bc1	1	100	100
Bc1	2	100	100
Bc1	3	100	100
Bc1	4	100	100
C	1	100	100
C	2	100	100
Cx1	1	100	100
D	1	100	100
D	2	100	100
D	3	100	100
Ac	1	100	100
Ac	2	100	100
Ac	3	100	100
Ax	1	100	100
Ax	2	100	100
Ax	3	100	100
Bc	1	100	100
Bc	2	100	100
Bc	3	100	100
Bc	4	100	100
Bx	1	100	100
Cc	1	100	100
Cc	2	100	100
Cc	3	100	100
Cx	1	100	100
Cx	2	100	100
Dc	1	100	100
Dc	2	100	100
Dc	3	100	100
Dx	1	100	100
Dx	2	100	100
Dx	3	100	100
Dx1	1	100	100
Dx1	2	100	100
E	1	100	100
E	2	100	100

F	**1**	100	100
F	**2**	100	100
F	**3**	100	100
Ec	**1**	100	100
Ec	**2**	100	100
Ec	**3**	100	100
Ex	**1**	100	100
Ex	**2**	100	100
Fc	**1**	100	100
Fc	**2**	100	100
Fc	**3**	100	100
Fx	**1**	100	100
Fx	**2**	100	100
Fx1	**1**	100	100
Fx1	**2**	100	100
G	**1**	100	100
G	**2**	100	100
G1	**1**	100	100
Gc	**1**	100	100
Gc	**2**	100	100
Gc	**3**	100	100
Gx	**1**	100	100
Gx	**2**	100	100
Gx1	**1**	100	100
H	**1**	100	100
H	**2**	100	100
H	**3**	100	100
I	**1**	100	100
I	**2**	100	100
H1	**1**	100	100
H1	**2**	100	100
Hc	**1**	100	100
Hc	**2**	100	100
Hc	**3**	100	100
Hx	**1**	100	100
Hx	**2**	100	100
I1	**1**	100	100
Ic	**1**	100	100
Ic	**2**	100	100
Ic	**3**	100	100
Ix	**1**	100	100
Ix	**2**	100	100
Ix1	**1**	100	100

Bus - Modelling

Arm	Traffic Stream	Stationary Time (seconds)	Stop Weighting (%)	Delay Weighting (%)
Gx	1	0.00	100	100
Gx	2	0.00	100	100
Gx1	1	0.00	100	100
Ix	1	0.00	100	100
Ix	2	0.00	100	100
Ix1	1	0.00	100	100

Tram - Modelling

Arm	Traffic Stream	Stationary Time (seconds)	Stop Weighting (%)	Delay Weighting (%)
Gx	1	0.00	100	100
Gx	2	0.00	100	100
Gx1	1	0.00	100	100
Ix	1	0.00	100	100
Ix	2	0.00	100	100
Ix1	1	0.00	100	100

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)	Bus Flow (PCU/hr)	Tram Flow (PCU/hr)
A	1	488	488	0	0
A	2	729	729	0	0
A	3	525	525	0	0
A	4	795	795	0	0
Ax1	1	665	665	0	0
Ax1	2	1425	1425	0	0
Ax2	1	681	681	0	0
Ax2	2	1410	1410	0	0
B	1	80	80	0	0
B	2	80	80	0	0
Bc1	1	962	962	0	0
Bc1	2	1330	1330	0	0
Bc1	3	796	796	0	0
Bc1	4	1066	1066	0	0
C	1	702	702	0	0
C	2	702	702	0	0
Cx1	1	1564	1564	0	0
D	1	618	618	0	0
D	2	664	664	0	0
D	3	664	664	0	0
Ac	1	506	506	0	0
Ac	2	602	602	0	0
Ac	3	543	543	0	0
Ax	1	665	665	0	0
Ax	2	980	980	0	0
Ax	3	445	445	0	0
Bc	1	994	994	0	0
Bc	2	1330	1330	0	0
Bc	3	796	796	0	0
Bc	4	1066	1066	0	0
Bx	1	32	32	0	0

Cc	**1**	808	808	0	0
Cc	**2**	810	810	0	0
Cc	**3**	1132	1132	0	0
Cx	**1**	1030	1030	0	0
Cx	**2**	534	534	0	0
Dc	**1**	320	320	0	0
Dc	**2**	569	569	0	0
Dc	**3**	455	455	0	0
Dx	**1**	1190	1190	0	0
Dx	**2**	810	810	0	0
Dx	**3**	810	810	0	0
Dx1	**1**	1190	1190	0	0
Dx1	**2**	1620	1620	0	0
E	**1**	462	462	0	0
E	**2**	923	923	0	0
F	**1**	681	681	0	0
F	**2**	895	895	0	0
F	**3**	515	515	0	0
Ec	**1**	573	573	0	0
Ec	**2**	888	888	0	0
Ec	**3**	895	895	0	0
Ex	**1**	589	589	0	0
Ex	**2**	345	345	0	0
Fc	**1**	22	22	0	0
Fc	**2**	54	54	0	0
Fc	**3**	9	9	0	0
Fx	**1**	1087	1087	0	0
Fx	**2**	1448	1448	0	0
Fx1	**1**	1216	1216	0	0
Fx1	**2**	1319	1319	0	0
G	**1**	601	601	0	0
G	**2**	643	643	0	0
G1	**1**	1244	1244	0	0
Gc	**1**	399	399	0	0
Gc	**2**	904	904	0	0
Gc	**3**	515	515	0	0
Gx	**1**	313	313	0	0
Gx	**2**	45	45	0	0
Gx1	**1**	358	358	0	0
H	**1**	652	652	0	0
H	**2**	698	698	0	0
H	**3**	23	23	0	0
I	**1**	153	153	0	0
I	**2**	164	164	0	0
H1	**1**	1350	1350	0	0
H1	**2**	23	23	0	0
Hc	**1**	591	591	0	0
Hc	**2**	945	945	0	0
Hc	**3**	648	648	0	0
Hx	**1**	478	478	0	0
Hx	**2**	399	399	0	0
I1	**1**	317	317	0	0

lc	**1**	934	934	0	0
lc	**2**	1346	1346	0	0
lc	**3**	23	23	0	0
lx	**1**	663	663	0	0
lx	**2**	591	591	0	0
lx1	**1**	1254	1254	0	0

Signals

Arm	Traffic Stream	Controller Stream	Phase	Phase2 Enabled
A	1	1	A	
A	2	1	A	
A	3	1	A	
A	4	1	A	
C	1	3	A	
C	2	3	A	
D	1	2	A	
D	2	2	A	
D	3	2	A	
Ac	1	1	B	
Ac	2	1	B	
Ac	3	1	B	
Ax	1	5	A	
Ax	2	5	A	
Ax	3	5	A	
Cc	1	3	B	
Cc	2	3	B	
Cc	3	3	B	
Cx	1	6	A	
Cx	2	6	A	
Dc	1	2	B	
Dc	2	2	B	
Dc	3	2	B	
Dx	1	7	A	
Dx	2	7	A	
Dx	3	7	A	
F	1	8	A	
F	2	8	A	
F	3	8	A	
Fc	1	8	B	
Fc	2	8	B	
Fc	3	8	B	
G	1	9	A	
G	2	9	A	
Gc	1	9	B	
Gc	2	9	B	
Gc	3	9	B	
H	1	10	A	
H	2	10	A	
H	3	10	A	
I	1	11	A	
I	2	11	A	
Hc	1	10	B	
Hc	2	10	B	
Hc	3	10	B	
Ic	1	11	B	
Ic	2	11	B	
Ic	3	11	B	

Entry Sources

Arm	Traffic Stream	Normal Cruise Time (seconds)	Normal Cruise Speed (kph)
B	1	2.24	48.28
B	2	2.24	48.28
C	1	11.19	64.37
C	2	11.19	64.37
D	1	16.78	64.37
D	2	16.78	64.37
D	3	16.78	64.37
E	1	14.91	48.28
E	2	14.91	48.28
G1	1	4.47	48.28
H1	1	7.46	48.28
H1	2	7.46	48.28
I1	1	7.46	48.28

Sources

Arm	Traffic Stream	Source	Source Type	Source Traffic Stream	Destination Traffic Stream	Normal Cruise Time (seconds)	Normal Cruise Speed (kph)	Bus Free Running Speed (kph)	Tram Free Running Speed (kph)	Auto Turning Radius	Traffic Turn Style	Turning Radius (m)
A	1	1	TrafficStream	Fx1/1	A/1	12.00	30.00			✓	Straight	Straight Movement
A	2	1	TrafficStream	Fx1/1	A/2	18.00	30.00			✓	Straight	Straight Movement
A	3	1	TrafficStream	Fx1/2	A/3	18.00	30.00			✓	Straight	Straight Movement
A	4	1	TrafficStream	Fx1/2	A/4	18.00	30.00			✓	Straight	Straight Movement
F	1	1	TrafficStream	Ax2/1	F/1	15.66	48.28			✓	Straight	Straight Movement
F	2	1	TrafficStream	Ax2/2	F/2	15.66	48.28			✓	Straight	Straight Movement
F	3	1	TrafficStream	Ax2/2	F/3	15.66	48.28			✓	Straight	Straight Movement
G	1	1	TrafficStream	G1/1	G/1	5.67	48.28			✓	Straight	Straight Movement
G	2	1	TrafficStream	G1/1	G/2	5.67	48.28			✓	Straight	Straight Movement
H	1	1	TrafficStream	H1/1	H/1	7.16	48.28			✓	Straight	Straight Movement
H	2	1	TrafficStream	H1/1	H/2	7.16	48.28			✓	Straight	Straight Movement
H	3	1	TrafficStream	H1/2	H/3	7.16	48.28			✓	Straight	Straight Movement
I	1	1	TrafficStream	I1/1	I/1	4.47	48.28			✓	Straight	Straight Movement
I	2	1	TrafficStream	I1/1	I/2	4.47	48.28			✓	Straight	Straight Movement
Ac	1	1	TrafficStream	E/1	Ac/1	4.03	48.28			✓	Straight	Straight Movement
Ac	2	1	TrafficStream	Ec/3	Ac/2	4.03	48.28			✓	Straight	Straight Movement
Ac	3	1	TrafficStream	E/2	Ac/3	4.03	48.28			✓	Straight	Straight Movement
Ax	1	1	TrafficStream	Ec/1	Ax/1	5.59	64.37			✓	Straight	Straight Movement

Ax	**2**	**1**	TrafficStream	Ec/2	Ax/2	5.59	64.37			✓	Straight	Straight Movement
Ax	**3**	**1**	TrafficStream	Ec/3	Ax/3	5.59	64.37			✓	Straight	Straight Movement
Ax1	**1**	**1**	TrafficStream	Ax/1	Ax1/1	2.40	30.00			✓	Straight	Straight Movement
Ax1	**2**	**1**	TrafficStream	Ax/2	Ax1/2	2.40	30.00			✓	Straight	Straight Movement
Ax2	**1**	**1**	TrafficStream	Ax1/1	Ax2/1	9.60	30.00			✓	Straight	Straight Movement
Ax2	**2**	**1**	TrafficStream	Ax1/1	Ax2/2	9.60	30.00			✓	Straight	Straight Movement
Bc	**1**	**1**	TrafficStream	Ac/1	Bc/1	7.46	48.28			✓	Straight	Straight Movement
Bc	**2**	**1**	TrafficStream	A/2	Bc/2	7.46	48.28			✓	Straight	Straight Movement
Bc	**3**	**1**	TrafficStream	Ac/3	Bc/3	7.46	48.28			✓	Straight	Straight Movement
Bc	**4**	**1**	TrafficStream	Ac/3	Bc/4	7.46	48.28			✓	Straight	Straight Movement
Bc1	**1**	**1**	TrafficStream	Bc/1	Bc1/1	2.24	48.28			✓	Straight	Straight Movement
Bc1	**2**	**1**	TrafficStream	Bc/2	Bc1/2	2.24	48.28			✓	Straight	Straight Movement
Bc1	**3**	**1**	TrafficStream	Bc/3	Bc1/3	2.24	48.28			✓	Straight	Straight Movement
Bc1	**4**	**1**	TrafficStream	Bc/4	Bc1/4	2.24	48.28			✓	Straight	Straight Movement
Bx	**1**	**1**	TrafficStream	Bc/1	Bx/1	7.46	48.28			✓	Nearside	76.24
Cc	**1**	**1**	TrafficStream	B/1	Cc/1	4.85	48.28			✓	Straight	Straight Movement
Cc	**2**	**1**	TrafficStream	B/2	Cc/2	4.85	48.28			✓	Straight	Straight Movement
Cc	**3**	**1**	TrafficStream	B/2	Cc/3	4.85	48.28			✓	Straight	Straight Movement
Cx	**1**	**1**	TrafficStream	Bc1/1	Cx/1	5.59	64.37			✓	Straight	Straight Movement
Cx	**2**	**1**	TrafficStream	Bc1/2	Cx/2	5.59	64.37			✓	Straight	Straight Movement
Cx1	**1**	**1**	TrafficStream	Cx/1	Cx1/1	7.46	48.28			✓	Straight	Straight Movement
Dc	**1**	**1**	TrafficStream	C/1	Dc/1	6.71	48.28			✓	Straight	Straight Movement
Dc	**2**	**1**	TrafficStream	C/2	Dc/2	6.71	48.28			✓	Straight	Straight Movement
Dc	**3**	**1**	TrafficStream	C/2	Dc/3	6.71	48.28			✓	Straight	Straight Movement
Dx	**1**	**1**	TrafficStream	Cc/1	Dx/1	3.13	64.37			✓	Straight	Straight Movement
Dx	**2**	**1**	TrafficStream	Cc/2	Dx/2	3.13	64.37			✓	Straight	Straight Movement
Dx	**3**	**1**	TrafficStream	Cc/3	Dx/3	3.13	64.37			✓	Straight	Straight Movement
Dx1	**1**	**1**	TrafficStream	Dx/1	Dx1/1	13.98	64.37			✓	Straight	Straight Movement
Dx1	**2**	**1**	TrafficStream	Dx/2	Dx1/2	13.98	64.37			✓	Straight	Straight Movement
Ec	**1**	**1**	TrafficStream	D/1	Ec/1	3.73	48.28			✓	Straight	Straight Movement

Ec	**2**	**1**	TrafficStream	D/2	Ec/2	3.73	48.28			✓	Straight	Straight Movement
Ec	**3**	**1**	TrafficStream	D/3	Ec/3	3.73	48.28			✓	Straight	Straight Movement
Ex	**1**	**1**	TrafficStream	Dc/1	Ex/1	7.46	48.28			✓	Straight	Straight Movement
Ex	**2**	**1**	TrafficStream	Dc/2	Ex/2	7.46	48.28			✓	Straight	Straight Movement
Fc	**1**	**1**	TrafficStream	Ic/2	Fc/1	8.28	32.19			✓	Straight	Straight Movement
Fc	**2**	**1**	TrafficStream	I/2	Fc/2	8.28	32.19			✓	Straight	Straight Movement
Fc	**3**	**1**	TrafficStream	Ic/3	Fc/3	8.28	32.19			✓	Offside	91.25
Fx	**1**	**1**	TrafficStream	I/1	Fx/1	21.62	48.28			✓	Straight	Straight Movement
Fx	**2**	**1**	TrafficStream	I/2	Fx/2	21.62	48.28			✓	Straight	Straight Movement
Fx1	**1**	**1**	TrafficStream	Fx/1	Fx1/1	12.00	30.00			✓	Straight	Straight Movement
Fx1	**2**	**1**	TrafficStream	Fx/1	Fx1/2	12.00	30.00			✓	Straight	Straight Movement
Gc	**1**	**1**	TrafficStream	F/1	Gc/1	7.83	32.19			✓	Straight	Straight Movement
Gc	**2**	**1**	TrafficStream	F/2	Gc/2	7.83	32.19			✓	Straight	Straight Movement
Gc	**3**	**1**	TrafficStream	Fc/3	Gc/3	7.83	32.19			✓	Offside	52.91
Gx	**1**	**1**	TrafficStream	F/1	Gx/1	4.18	48.28	15.00	15.00	✓	Nearside	63.89
Gx	**2**	**1**	TrafficStream	Fc/2	Gx/2	4.18	48.28	15.00	15.00	✓	Straight	Straight Movement
Gx1	**1**	**1**	TrafficStream	Gx/1	Gx1/1	1.49	48.28	15.00	15.00	✓	Straight	Straight Movement
Hc	**1**	**1**	TrafficStream	G/1	Hc/1	7.49	32.19			✓	Straight	Straight Movement
Hc	**2**	**1**	TrafficStream	Gc/3	Hc/2	7.49	32.19			✓	Straight	Straight Movement
Hc	**3**	**1**	TrafficStream	Gc/3	Hc/3	7.49	32.19			✓	Straight	Straight Movement
Hx	**1**	**1**	TrafficStream	G/1	Hx/1	7.46	48.28			✓	Nearside	100.00
Hx	**2**	**1**	TrafficStream	Gc/2	Hx/2	7.46	48.28			✓	Straight	Straight Movement
Ic	**1**	**1**	TrafficStream	H/1	Ic/1	7.27	32.19			✓	Straight	Straight Movement
Ic	**2**	**1**	TrafficStream	H/2	Ic/2	7.27	32.19			✓	Straight	Straight Movement
Ic	**3**	**1**	TrafficStream	Hc/3	Ic/3	7.27	32.19			✓	Offside	49.48
Ix	**1**	**1**	TrafficStream	Hc/1	Ix/1	3.36	48.28	15.00	15.00	✓	Straight	Straight Movement
Ix	**2**	**1**	TrafficStream	Hc/2	Ix/2	3.36	48.28	15.00	15.00	✓	Straight	Straight Movement
Ix1	**1**	**1**	TrafficStream	Ix/2	Ix1/1	1.12	48.28	15.00	15.00	✓	Straight	Straight Movement
Ac	**1**	**2**	TrafficStream	Ec/3	Ac/1	4.03	48.28			✓	Straight	Straight Movement
Ac	**2**	**2**	TrafficStream	E/2	Ac/2	4.03	48.28			✓	Straight	Straight Movement
Ax	**1**	**2**	TrafficStream	E/1	Ax/1	5.59	64.37			✓	Straight	Straight Movement
Ax	**2**	**2**	TrafficStream	E/1	Ax/2	12.00	30.00			✓	Straight	Straight Movement

Ax1	**2**	**2**	TrafficStream	Ax/3	Ax1/2	2.40	30.00			✓	Straight	Straight Movement
Ax2	**1**	**2**	TrafficStream	Ax1/2	Ax2/1	9.60	30.00			✓	Straight	Straight Movement
Ax2	**2**	**2**	TrafficStream	Ax1/2	Ax2/2	9.60	30.00			✓	Straight	Straight Movement
Bc	**1**	**2**	TrafficStream	A/1	Bc/1	7.46	48.28			✓	Nearside	83.93
Bc	**2**	**2**	TrafficStream	Ac/2	Bc/2	12.00	30.00			✓	Straight	Straight Movement
Bc	**3**	**2**	TrafficStream	A/3	Bc/3	12.00	30.00			✓	Straight	Straight Movement
Bc	**4**	**2**	TrafficStream	A/4	Bc/4	7.46	48.28			✓	Straight	Straight Movement
Cc	**1**	**2**	TrafficStream	Bc1/2	Cc/1	4.85	48.28			✓	Straight	Straight Movement
Cc	**2**	**2**	TrafficStream	Bc1/3	Cc/2	4.85	48.28			✓	Straight	Straight Movement
Cc	**3**	**2**	TrafficStream	Bc1/4	Cc/3	4.85	48.28			✓	Straight	Straight Movement
Cx	**1**	**2**	TrafficStream	B/1	Cx/1	5.59	64.37			✓	Nearside	73.56
Cx1	**1**	**2**	TrafficStream	Cx/2	Cx1/1	7.46	48.28			✓	Straight	Straight Movement
Dc	**2**	**2**	TrafficStream	Cc/3	Dc/2	6.71	48.28			✓	Straight	Straight Movement
Dc	**3**	**2**	TrafficStream	Cc/3	Dc/3	6.71	48.28			✓	Straight	Straight Movement
Dx	**1**	**2**	TrafficStream	C/1	Dx/1	3.13	64.37			✓	Straight	Straight Movement
Dx1	**2**	**2**	TrafficStream	Dx/3	Dx1/2	13.98	64.37			✓	Straight	Straight Movement
Ec	**1**	**2**	TrafficStream	Dc/2	Ec/1	3.73	48.28			✓	Straight	Straight Movement
Ec	**2**	**2**	TrafficStream	Dc/3	Ec/2	3.73	48.28			✓	Straight	Straight Movement
Ec	**3**	**2**	TrafficStream	Dc/3	Ec/3	3.73	48.28			✓	Straight	Straight Movement
Ex	**1**	**2**	TrafficStream	D/1	Ex/1	7.46	48.28			✓	Straight	Straight Movement
Fc	**1**	**2**	TrafficStream	I/2	Fc/1	8.88	30.00			✓	Straight	Straight Movement
Fc	**2**	**2**	TrafficStream	Ic/3	Fc/2	8.28	32.19			✓	Straight	Straight Movement
Fc	**3**	**2**	TrafficStream	I/2	Fc/3	8.28	32.19			✓	Straight	Straight Movement
Fx	**1**	**2**	TrafficStream	Ic/1	Fx/1	21.62	48.28			✓	Straight	Straight Movement
Fx	**2**	**2**	TrafficStream	Ic/2	Fx/2	21.62	48.28			✓	Straight	Straight Movement
Fx1	**1**	**2**	TrafficStream	Fx/2	Fx1/1	12.00	30.00			✓	Straight	Straight Movement
Fx1	**2**	**2**	TrafficStream	Fx/2	Fx1/2	12.00	30.00			✓	Straight	Straight Movement
Gc	**1**	**2**	TrafficStream	Fc/2	Gc/1	7.83	32.19			✓	Offside	72.91
Gc	**2**	**2**	TrafficStream	Fc/3	Gc/2	7.83	32.19			✓	Offside	52.91
Gc	**3**	**2**	TrafficStream	F/3	Gc/3	7.83	32.19			✓	Straight	Straight Movement
Gx	**1**	**2**	TrafficStream	Fc/1	Gx/1	4.18	48.28	15.00	15.00	✓	Straight	Straight Movement

Gx1	**1**	**2**	TrafficStream	Gx/2	Gx1/1	1.49	48.28	15.00	15.00	✓	Straight	Straight Movement
Hc	**1**	**2**	TrafficStream	Gc/2	Hc/1	7.49	32.19			✓	Straight	Straight Movement
Hc	**2**	**2**	TrafficStream	G/1	Hc/2	8.04	30.00			✓	Straight	Straight Movement
Hc	**3**	**2**	TrafficStream	G/2	Hc/3	7.49	32.19			✓	Straight	Straight Movement
Hx	**1**	**2**	TrafficStream	Gc/1	Hx/1	7.46	48.28			✓	Straight	Straight Movement
Ic	**1**	**2**	TrafficStream	Hc/2	Ic/1	7.27	32.19			✓	Offside	69.48
Ic	**2**	**2**	TrafficStream	Hc/3	Ic/2	7.27	32.19			✓	Offside	49.48
Ic	**3**	**2**	TrafficStream	H/3	Ic/3	7.27	32.19			✓	Straight	Straight Movement
Ix	**1**	**2**	TrafficStream	H/1	Ix/1	3.36	48.28	15.00	15.00	✓	Straight	Straight Movement
Ix1	**1**	**2**	TrafficStream	Ix/1	Ix1/1	1.12	48.28	15.00	15.00	✓	Straight	Straight Movement

Give Way Data

Arm	Traffic Stream	Opposed Traffic	Use Step-wise Opposed Turn Model	Visibility Restricted
B	**1**	AllTraffic		
B	**2**	AllTraffic		
E	**1**	AllTraffic		
E	**2**	AllTraffic		

Give Way Data - All Movements - Conflicts

Traffic Stream	Description	Controlling Type	Controlling Traffic Stream	Percentage Opposing (%)	Slope Coefficient	Upstream Signals Visible	Conflict Shift	Conflict Duration
1		TrafficStream	Bc1/1	100	0.18		0	0
1		TrafficStream	Bc1/2	100	0.18		0	0
2		TrafficStream	Bc1/1	100	0.18		0	0
2		TrafficStream	Bc1/2	100	0.18		0	0
2		TrafficStream	Bc1/3	100	0.18		0	0
2		TrafficStream	Bc1/4	100	0.44		0	0
1	Roundabout Circulating	TrafficStream	Ec/1	100	0.21		0	0
1		TrafficStream	Ec/2	100	0.21		0	0
1		TrafficStream	Ec/3	100	0.21		0	0
2	Roundabout Circulating	TrafficStream	Ec/1	100	0.42		0	0
2		TrafficStream	Ec/2	100	0.42		0	0
2		TrafficStream	Ec/3	100	0.42		0	0

Quick Flares

Arm	Traffic Stream	Description	Saturation Flow (PCU/hr)	Use Que Prob	Effective Storage (Vehs)
C	**1**		1800		7.00
C	**2**		1800		7.00
G	**2**		1800		3.00
I	**2**		1800		2.00

Local OD Matrix - Local Matrix: 2031 S3

Normal Input Flows (PCU/hr)

		To						
		1	2	3	4	5	6	7
From	1	0	72	6	339	800	133	23
	2	18	0	1	68	158	28	44
	3	11	16	0	68	39	20	5
	4	234	315	7	0	382	375	91
	5	469	587	8	444	0	269	169
	6	66	92	5	382	814	0	26
	7	79	172	5	263	616	109	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
2031 S3	1	(untitled)	H1/1,H1/2	Hx/2,Hx/1
2031 S3	2	(untitled)	I1/1	Ix1/1
2031 S3	3	(untitled)	B/1,B/2	Bx/1
2031 S3	4	(untitled)	C/1,C/2	Cx1/1
2031 S3	5	(untitled)	D/1,D/2,D/3	Dx1/2,Dx1/1
2031 S3	6	(untitled)	E/1,E/2	Ex/1,Ex/2
2031 S3	7	(untitled)	G1/1	Gx1/1

Paths

OD Matrix	Path	Description	From Location	To Location	Path Items
2031 S3	1		5	7	D/1,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	2		5	1	D/1,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	3		5	1	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	4		5	2	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	5		5	2	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	6		5	3	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	7		5	4	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	8		5	5	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	9		5	4	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	10		5	5	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	11		5	5	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2

2031 S3	**12**		5	3	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**13**		5	4	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**14**		5	5	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**15**		5	4	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**16**		5	5	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**17**		5	5	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**18**		5	6	D/1,Ex/1
2031 S3	**19**		5	7	D/2,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**20**		5	1	D/2,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**21**		5	1	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**22**		5	2	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**23**		5	2	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**24**		5	3	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**25**		5	4	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**26**		5	5	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**27**		5	4	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**28**		5	5	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**29**		5	5	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**30**		5	3	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**31**		5	4	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**32**		5	5	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**33**		5	4	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**34**		5	5	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**35**		5	5	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**36**		5	7	D/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**37**		5	1	D/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**38**		5	1	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**39**		5	2	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**40**		5	2	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**41**		5	3	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1

2031 S3	**42**		5	4	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**43**		5	5	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**44**		5	4	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**45**		5	5	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**46**		5	5	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**47**		5	3	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**48**		5	4	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**49**		5	5	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**50**		5	4	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**51**		5	5	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**52**		5	5	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**53**		5	3	D/3,Ec/3,Ac/1,Bc/1,Bx/1
2031 S3	**54**		5	4	D/3,Ec/3,Ac/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**55**		5	5	D/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**56**		5	4	D/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**57**		6	7	E/1,Ax/1,Ax1/1,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**58**		6	1	E/1,Ax/1,Ax1/1,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**59**		6	1	E/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**60**		6	2	E/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**61**		6	2	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**62**		6	3	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**63**		6	4	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**64**		6	5	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**65**		6	4	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**66**		6	5	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**67**		6	6	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	**68**		6	5	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**69**		6	3	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**70**		6	4	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**71**		6	5	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1

2031 S3	**72**		6	4	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**73**		6	5	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**74**		6	6	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	**75**		6	5	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**76**		6	7	E/1,Ax/2,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**77**		6	1	E/1,Ax/2,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**78**		6	1	E/1,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**79**		6	2	E/1,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**80**		6	2	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**81**		6	3	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**82**		6	4	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**83**		6	5	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**84**		6	4	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**85**		6	5	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**86**		6	6	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	**87**		6	5	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**88**		6	3	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**89**		6	4	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**90**		6	5	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**91**		6	4	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**92**		6	5	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**93**		6	6	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	**94**		6	5	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**95**		6	3	E/1,Ac/1,Bc/1,Bx/1
2031 S3	**96**		6	4	E/1,Ac/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**97**		6	5	E/2,Ac/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**98**		6	4	E/2,Ac/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**99**		6	5	E/2,Ac/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**100**		6	6	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	**101**		6	5	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2

2031 S3	**102**		3	5	B/1,Cc/1,Dx/1,Dx1/1
2031 S3	**103**		3	4	B/1,Cx/1,Cx1/1
2031 S3	**104**		3	5	B/2,Cc/2,Dx/2,Dx1/2
2031 S3	**105**		3	7	B/2,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**106**		3	1	B/2,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**107**		3	1	B/2,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**108**		3	2	B/2,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**109**		3	2	B/2,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**110**		3	3	B/2,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**111**		3	3	B/2,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**112**		3	6	B/2,Cc/3,Dc/2,Ex/2
2031 S3	**113**		3	7	B/2,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**114**		3	1	B/2,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**115**		3	1	B/2,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**116**		3	2	B/2,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**117**		3	2	B/2,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**118**		3	3	B/2,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**119**		3	3	B/2,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**120**		3	7	B/2,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**121**		3	1	B/2,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**122**		3	1	B/2,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**123**		3	2	B/2,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**124**		3	2	B/2,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**125**		3	3	B/2,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**126**		3	3	B/2,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**127**		3	3	B/2,Cc/3,Dc/3,Ec/3,Ac/1,Bc/1,Bx/1
2031 S3	**128**		3	5	B/2,Cc/3,Dx/3,Dx1/2
2031 S3	**129**		4	6	C/1,Dc/1,Ex/1
2031 S3	**130**		4	5	C/1,Dx/1,Dx1/1
2031 S3	**131**		4	7	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gx/1,Gx1/1

2031 S3	**132**		4	1	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**133**		4	1	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**134**		4	2	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**135**		4	2	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**136**		4	3	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**137**		4	4	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**138**		4	4	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**139**		4	3	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**140**		4	4	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**141**		4	4	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**142**		4	6	C/2,Dc/2,Ex/2
2031 S3	**143**		4	7	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**144**		4	1	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**145**		4	1	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**146**		4	2	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**147**		4	2	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**148**		4	3	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**149**		4	4	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**150**		4	4	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**151**		4	3	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**152**		4	4	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**153**		4	4	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**154**		4	7	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**155**		4	1	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**156**		4	1	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**157**		4	2	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**158**		4	2	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**159**		4	3	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**160**		4	4	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**161**		4	4	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1

2031 S3	**162**		4	3	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**163**		4	4	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**164**		4	4	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**165**		4	3	C/2,Dc/3,Ec/3,Ac/1,Bc/1,Bx/1
2031 S3	**166**		4	4	C/2,Dc/3,Ec/3,Ac/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**167**		4	4	C/2,Dc/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**168**		2	3	I1/1,I/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**169**		2	4	I1/1,I/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**170**		2	5	I1/1,I/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**171**		2	4	I1/1,I/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**172**		2	5	I1/1,I/1,Fx/1,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**173**		2	7	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**174**		2	1	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**175**		2	1	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**176**		2	2	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**177**		2	2	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**178**		2	6	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	**179**		2	7	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**180**		2	1	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**181**		2	1	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**182**		2	2	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**183**		2	2	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**184**		2	7	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**185**		2	1	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**186**		2	1	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**187**		2	2	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**188**		2	2	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**189**		2	5	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**190**		2	3	I1/1,I/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**191**		2	4	I1/1,I/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1

2031 S3	**192**		2	5	I1/1,I/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**193**		2	4	I1/1,I/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**194**		2	5	I1/1,I/2,Fx/2,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**195**		2	7	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**196**		2	1	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**197**		2	1	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**198**		2	2	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**199**		2	2	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**200**		2	6	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	**201**		2	7	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**202**		2	1	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**203**		2	1	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**204**		2	2	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**205**		2	2	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**206**		2	7	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**207**		2	1	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**208**		2	1	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**209**		2	2	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**210**		2	2	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**211**		2	5	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**212**		2	7	I1/1,I/2,Fc/1,Gx/1,Gx1/1
2031 S3	**213**		2	7	I1/1,I/2,Fc/2,Gx/2,Gx1/1
2031 S3	**214**		2	1	I1/1,I/2,Fc/2,Gc/1,Hx/1
2031 S3	**215**		2	1	I1/1,I/2,Fc/3,Gc/2,Hx/2
2031 S3	**216**		2	2	I1/1,I/2,Fc/3,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**217**		2	2	I1/1,I/2,Fc/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**218**		7	1	G1/1,G/1,Hx/1
2031 S3	**219**		7	2	G1/1,G/1,Hc/1,Ix/1,Ix1/1
2031 S3	**220**		7	2	G1/1,G/1,Hc/2,Ix/2,Ix1/1
2031 S3	**221**		7	3	G1/1,G/1,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1

2031 S3	222		7	4	G1/1,G/1,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	223		7	5	G1/1,G/1,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	224		7	4	G1/1,G/1,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	225		7	5	G1/1,G/1,Hc/2,Ic/1,Fx/1,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	226		7	7	G1/1,G/1,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	227		7	6	G1/1,G/1,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	228		7	7	G1/1,G/1,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	229		7	7	G1/1,G/1,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	230		7	5	G1/1,G/1,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	231		7	3	G1/1,G/2,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	232		7	4	G1/1,G/2,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	233		7	5	G1/1,G/2,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	234		7	4	G1/1,G/2,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	235		7	5	G1/1,G/2,Hc/3,Ic/2,Fx/2,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	236		7	7	G1/1,G/2,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	237		7	6	G1/1,G/2,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	238		7	7	G1/1,G/2,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	239		7	7	G1/1,G/2,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	240		7	5	G1/1,G/2,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	241		7	7	G1/1,G/2,Hc/3,Ic/2,Fc/1,Gx/1,Gx1/1
2031 S3	242		7	7	G1/1,G/2,Hc/3,Ic/3,Fc/2,Gx/2,Gx1/1
2031 S3	243		1	2	H1/1,H/1,Ix/1,Ix1/1
2031 S3	244		1	3	H1/1,H/1,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	245		1	4	H1/1,H/1,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	246		1	5	H1/1,H/1,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	247		1	4	H1/1,H/1,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	248		1	5	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	249		1	7	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	250		1	1	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	251		1	1	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hx/2

2031 S3	252		1	6	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	253		1	7	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	254		1	1	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	255		1	1	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	256		1	7	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	257		1	1	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	258		1	1	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	259		1	5	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	260		1	3	H1/1,H/2,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	261		1	4	H1/1,H/2,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	262		1	5	H1/1,H/2,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	263		1	4	H1/1,H/2,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	264		1	5	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	265		1	7	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	266		1	1	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	267		1	1	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	268		1	6	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	269		1	7	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	270		1	1	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	271		1	1	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	272		1	7	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	273		1	1	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	274		1	1	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	275		1	5	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	276		1	7	H1/1,H/2,Ic/2,Fc/1,Gx/1,Gx1/1
2031 S3	277		1	7	H1/2,H/3,Ic/3,Fc/2,Gx/2,Gx1/1
2031 S3	278		1	1	H1/2,H/3,Ic/3,Fc/2,Gc/1,Hx/1
2031 S3	279		1	1	H1/2,H/3,Ic/3,Fc/3,Gc/2,Hx/2

Normal Path Flows

OD Matrix	Path	Permitted Flow Type	Allocation Type

2031 S3	**1**	✓	Normal
2031 S3	**2**	✓	Normal
2031 S3	**3**	✓	Normal
2031 S3	**4**	✓	Normal
2031 S3	**5**	✓	Normal
2031 S3	**6**	✓	Normal
2031 S3	**7**	✓	Normal
2031 S3	**8**	✓	Disabled
2031 S3	**9**	✓	Disabled
2031 S3	**10**	✓	Disabled
2031 S3	**11**	✓	Normal
2031 S3	**12**	✓	Normal
2031 S3	**13**	✓	Normal
2031 S3	**14**	✓	Normal
2031 S3	**15**	✓	Normal
2031 S3	**16**	✓	Normal
2031 S3	**17**	✓	Normal
2031 S3	**18**	✓	Normal
2031 S3	**19**	✓	Normal
2031 S3	**20**	✓	Normal
2031 S3	**21**	✓	Normal
2031 S3	**22**	✓	Normal
2031 S3	**23**	✓	Normal
2031 S3	**24**	✓	Normal
2031 S3	**25**	✓	Normal
2031 S3	**26**	✓	Normal
2031 S3	**27**	✓	Normal
2031 S3	**28**	✓	Normal
2031 S3	**29**	✓	Normal
2031 S3	**30**	✓	Normal
2031 S3	**31**	✓	Normal
2031 S3	**32**	✓	Normal
2031 S3	**33**	✓	Normal
2031 S3	**34**	✓	Normal
2031 S3	**35**	✓	Normal
2031 S3	**36**	✓	Normal
2031 S3	**37**	✓	Normal
2031 S3	**38**	✓	Normal
2031 S3	**39**	✓	Normal
2031 S3	**40**	✓	Normal
2031 S3	**41**	✓	Disabled
2031 S3	**42**	✓	Disabled
2031 S3	**43**	✓	Normal
2031 S3	**44**	✓	Disabled
2031 S3	**45**	✓	Normal
2031 S3	**46**	✓	Normal
2031 S3	**47**	✓	Disabled
2031 S3	**48**	✓	Disabled
2031 S3	**49**	✓	Normal

2031 S3	**50**	✓	Disabled
2031 S3	**51**	✓	Normal
2031 S3	**52**	✓	Normal
2031 S3	**53**	✓	Normal
2031 S3	**54**	✓	Normal
2031 S3	**55**	✓	Normal
2031 S3	**56**	✓	Normal
2031 S3	**57**	✓	Normal
2031 S3	**58**	✓	Normal
2031 S3	**59**	✓	Normal
2031 S3	**60**	✓	Normal
2031 S3	**61**	✓	Normal
2031 S3	**62**	✓	Disabled
2031 S3	**63**	✓	Disabled
2031 S3	**64**	✓	Disabled
2031 S3	**65**	✓	Disabled
2031 S3	**66**	✓	Disabled
2031 S3	**67**	✓	Normal
2031 S3	**68**	✓	Disabled
2031 S3	**69**	✓	Disabled
2031 S3	**70**	✓	Disabled
2031 S3	**71**	✓	Disabled
2031 S3	**72**	✓	Disabled
2031 S3	**73**	✓	Disabled
2031 S3	**74**	✓	Normal
2031 S3	**75**	✓	Disabled
2031 S3	**76**	✓	Normal
2031 S3	**77**	✓	Normal
2031 S3	**78**	✓	Normal
2031 S3	**79**	✓	Normal
2031 S3	**80**	✓	Normal
2031 S3	**81**	✓	Disabled
2031 S3	**82**	✓	Disabled
2031 S3	**83**	✓	Disabled
2031 S3	**84**	✓	Disabled
2031 S3	**85**	✓	Disabled
2031 S3	**86**	✓	Normal
2031 S3	**87**	✓	Disabled
2031 S3	**88**	✓	Disabled
2031 S3	**89**	✓	Disabled
2031 S3	**90**	✓	Disabled
2031 S3	**91**	✓	Disabled
2031 S3	**92**	✓	Disabled
2031 S3	**93**	✓	Normal
2031 S3	**94**	✓	Disabled
2031 S3	**95**	✓	Normal
2031 S3	**96**	✓	Normal
2031 S3	**97**	✓	Normal
2031 S3	**98**	✓	Normal

2031 S3	**99**	✓	Normal
2031 S3	**100**	✓	Normal
2031 S3	**101**	✓	Normal
2031 S3	**102**	✓	Normal
2031 S3	**103**	✓	Normal
2031 S3	**104**	✓	Normal
2031 S3	**105**	✓	Normal
2031 S3	**106**	✓	Normal
2031 S3	**107**	✓	Normal
2031 S3	**108**	✓	Normal
2031 S3	**109**	✓	Normal
2031 S3	**110**	✓	Normal
2031 S3	**111**	✓	Normal
2031 S3	**112**	✓	Normal
2031 S3	**113**	✓	Normal
2031 S3	**114**	✓	Normal
2031 S3	**115**	✓	Normal
2031 S3	**116**	✓	Normal
2031 S3	**117**	✓	Normal
2031 S3	**118**	✓	Normal
2031 S3	**119**	✓	Normal
2031 S3	**120**	✓	Normal
2031 S3	**121**	✓	Normal
2031 S3	**122**	✓	Normal
2031 S3	**123**	✓	Normal
2031 S3	**124**	✓	Normal
2031 S3	**125**	✓	Normal
2031 S3	**126**	✓	Normal
2031 S3	**127**	✓	Normal
2031 S3	**128**	✓	Normal
2031 S3	**129**	✓	Normal
2031 S3	**130**	✓	Normal
2031 S3	**131**	✓	Normal
2031 S3	**132**	✓	Normal
2031 S3	**133**	✓	Normal
2031 S3	**134**	✓	Normal
2031 S3	**135**	✓	Normal
2031 S3	**136**	✓	Disabled
2031 S3	**137**	✓	Normal
2031 S3	**138**	✓	Normal
2031 S3	**139**	✓	Disabled
2031 S3	**140**	✓	Normal
2031 S3	**141**	✓	Normal
2031 S3	**142**	✓	Normal
2031 S3	**143**	✓	Normal
2031 S3	**144**	✓	Normal
2031 S3	**145**	✓	Normal
2031 S3	**146**	✓	Normal
2031 S3	**147**	✓	Normal

2031 S3	**148**	✓	Disabled
2031 S3	**149**	✓	Normal
2031 S3	**150**	✓	Normal
2031 S3	**151**	✓	Disabled
2031 S3	**152**	✓	Normal
2031 S3	**153**	✓	Normal
2031 S3	**154**	✓	Normal
2031 S3	**155**	✓	Normal
2031 S3	**156**	✓	Normal
2031 S3	**157**	✓	Normal
2031 S3	**158**	✓	Normal
2031 S3	**159**	✓	Disabled
2031 S3	**160**	✓	Normal
2031 S3	**161**	✓	Normal
2031 S3	**162**	✓	Disabled
2031 S3	**163**	✓	Normal
2031 S3	**164**	✓	Normal
2031 S3	**165**	✓	Normal
2031 S3	**166**	✓	Normal
2031 S3	**167**	✓	Normal
2031 S3	**168**	✓	Normal
2031 S3	**169**	✓	Normal
2031 S3	**170**	✓	Normal
2031 S3	**171**	✓	Normal
2031 S3	**172**	✓	Normal
2031 S3	**173**	✓	Disabled
2031 S3	**174**	✓	Disabled
2031 S3	**175**	✓	Disabled
2031 S3	**176**	✓	Normal
2031 S3	**177**	✓	Normal
2031 S3	**178**	✓	Normal
2031 S3	**179**	✓	Disabled
2031 S3	**180**	✓	Disabled
2031 S3	**181**	✓	Disabled
2031 S3	**182**	✓	Normal
2031 S3	**183**	✓	Normal
2031 S3	**184**	✓	Disabled
2031 S3	**185**	✓	Disabled
2031 S3	**186**	✓	Disabled
2031 S3	**187**	✓	Normal
2031 S3	**188**	✓	Normal
2031 S3	**189**	✓	Normal
2031 S3	**190**	✓	Normal
2031 S3	**191**	✓	Normal
2031 S3	**192**	✓	Normal
2031 S3	**193**	✓	Normal
2031 S3	**194**	✓	Normal
2031 S3	**195**	✓	Disabled
2031 S3	**196**	✓	Disabled

2031 S3	**197**	✓	Disabled
2031 S3	**198**	✓	Normal
2031 S3	**199**	✓	Normal
2031 S3	**200**	✓	Normal
2031 S3	**201**	✓	Disabled
2031 S3	**202**	✓	Disabled
2031 S3	**203**	✓	Disabled
2031 S3	**204**	✓	Normal
2031 S3	**205**	✓	Normal
2031 S3	**206**	✓	Disabled
2031 S3	**207**	✓	Disabled
2031 S3	**208**	✓	Disabled
2031 S3	**209**	✓	Normal
2031 S3	**210**	✓	Normal
2031 S3	**211**	✓	Normal
2031 S3	**212**	✓	Normal
2031 S3	**213**	✓	Normal
2031 S3	**214**	✓	Normal
2031 S3	**215**	✓	Normal
2031 S3	**216**	✓	Normal
2031 S3	**217**	✓	Normal
2031 S3	**218**	✓	Normal
2031 S3	**219**	✓	Normal
2031 S3	**220**	✓	Normal
2031 S3	**221**	✓	Normal
2031 S3	**222**	✓	Normal
2031 S3	**223**	✓	Normal
2031 S3	**224**	✓	Disabled
2031 S3	**225**	✓	Normal
2031 S3	**226**	✓	Normal
2031 S3	**227**	✓	Normal
2031 S3	**228**	✓	Normal
2031 S3	**229**	✓	Normal
2031 S3	**230**	✓	Normal
2031 S3	**231**	✓	Normal
2031 S3	**232**	✓	Disabled
2031 S3	**233**	✓	Normal
2031 S3	**234**	✓	Disabled
2031 S3	**235**	✓	Normal
2031 S3	**236**	✓	Normal
2031 S3	**237**	✓	Normal
2031 S3	**238**	✓	Normal
2031 S3	**239**	✓	Normal
2031 S3	**240**	✓	Normal
2031 S3	**241**	✓	Normal
2031 S3	**242**	✓	Normal
2031 S3	**243**	✓	Normal
2031 S3	**244**	✓	Normal
2031 S3	**245**	✓	Normal

2031 S3	**246**	✓	Normal
2031 S3	**247**	✓	Normal
2031 S3	**248**	✓	Normal
2031 S3	**249**	✓	Normal
2031 S3	**250**	✓	Normal
2031 S3	**251**	✓	Normal
2031 S3	**252**	✓	Normal
2031 S3	**253**	✓	Normal
2031 S3	**254**	✓	Normal
2031 S3	**255**	✓	Normal
2031 S3	**256**	✓	Normal
2031 S3	**257**	✓	Normal
2031 S3	**258**	✓	Normal
2031 S3	**259**	✓	Normal
2031 S3	**260**	✓	Normal
2031 S3	**261**	✓	Normal
2031 S3	**262**	✓	Normal
2031 S3	**263**	✓	Normal
2031 S3	**264**	✓	Normal
2031 S3	**265**	✓	Normal
2031 S3	**266**	✓	Normal
2031 S3	**267**	✓	Normal
2031 S3	**268**	✓	Normal
2031 S3	**269**	✓	Normal
2031 S3	**270**	✓	Normal
2031 S3	**271**	✓	Normal
2031 S3	**272**	✓	Normal
2031 S3	**273**	✓	Normal
2031 S3	**274**	✓	Normal
2031 S3	**275**	✓	Normal
2031 S3	**276**	✓	Normal
2031 S3	**277**	✓	Normal
2031 S3	**278**	✓	Normal
2031 S3	**279**	✓	Normal

Signal Timings

Network Default: 88s cycle time; 88 steps

Controller Stream 1

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
1	(untitled)		1	NetworkDefault	88

Controller Stream 1 - Properties

Controller Stream	Manufacturer Name	Type	Model Number	(Telephone) Line Number	Site Number	Grid Reference	Gaining Delay Type
1	Unspecified						Absolute

Controller Stream 1 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
1	✓	✓	Offsets Only		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
1	A	(untitled)	7	300	0	0	Not Specified
1	B	(untitled)	7	300	0	0	Not Specified
1	C	(untitled)	7	300	0	0	Not Specified

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
1	1	A	1
1	2	B,C	1

Losing/ Gaining delays at each Controller Stream

Controller Stream	Delay	Type	Phase	From Stage	To Stage	Relative Delay	Absolute Delay
1	1	Losing	B	2	1	9	
1	2	Gaining	A	2	1	0	10
1	3	Losing	A	1	2	2	

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
1	1	(untitled)	Single	1,2	85,44

Resultant Stages

Controller Stream	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)
1	1	✓	1	A	58	85	27	1	5
1	2	✓	2	B,C	4	44	40	1	7

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
1	A	1	✓	58	87	29
1	B	1	✓	4	53	49
1	C	1	✓	4	44	40

Intergreen Matrix for Controller Stream 1

		To		
		A	B	C
From	A		5	5
	B	5		
	C	14		

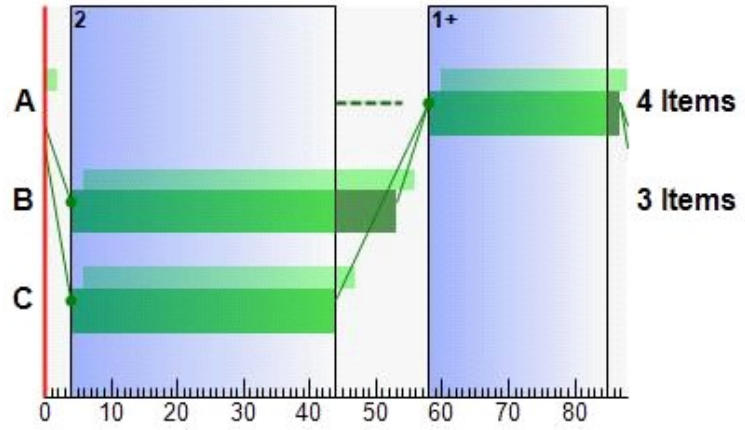
Interstage Matrix for Controller Stream 1

		To	
		1	2
From	1	0	7
	2	14	0

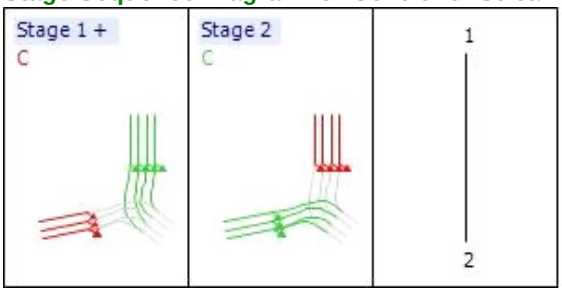
Banned Stage transitions for Controller Stream 1

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 1



Stage Sequence Diagram for Controller Stream 1



Controller Stream 2

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
2	(untitled)		1	NetworkDefault	88

Controller Stream 2 - Properties

Controller Stream	Manufacturer Name	Type	Model Number	(Telephone) Line Number	Site Number	Grid Reference	Gaining Delay Type
2	Unspecified						Absolute

Controller Stream 2 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
2	✓	✓	Offsets Only		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
2	A	(untitled)	7	300	0	0	Not Specified
2	B	(untitled)	7	300	0	0	Not Specified
2	C	(untitled)	5	300	0	0	Not Specified

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
2	1	A	1
2	2	B,C	1

Losing/ Gaining delays at each Controller Stream

Controller Stream	Delay	Type	Phase	From Stage	To Stage	Relative Delay
2	1	Losing	B	2	1	5

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
2	1	(untitled)	Single	1,2	70,21

Resultant Stages

Controller Stream	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)
2	1	✓	1	A	31	70	39	1	7
2	2	✓	2	B,C	75	21	34	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
2	A	1	✓	31	70	39
2	B	1	✓	75	26	39
2	C	1	✓	75	21	34

Intergreen Matrix for Controller Stream 2

		To		
		A	B	C
From	A		5	5
	B	5		
	C	10		

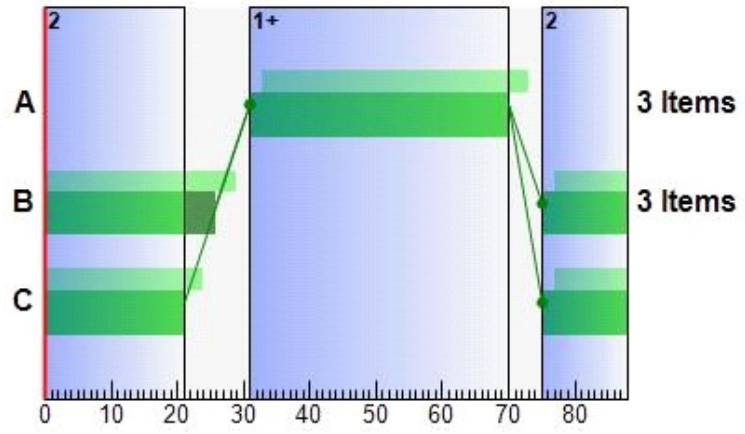
Interstage Matrix for Controller Stream 2

		To	
		1	2
From	1	0	5
	2	10	0

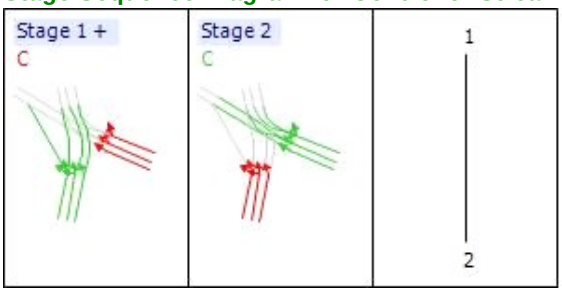
Banned Stage transitions for Controller Stream 2

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 2



Stage Sequence Diagram for Controller Stream 2



Controller Stream 3

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
3	(untitled)		1	NetworkDefault	88

Controller Stream 3 - Properties

Controller Stream	Manufacturer Name	Type	Model Number	(Telephone) Line Number	Site Number	Grid Reference	Gaining Delay Type
3	Unspecified						Absolute

Controller Stream 3 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
3	✓	✓	Offsets Only		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
3	**A**	(untitled)	7	300	0	0	Not Specified
3	**B**	(untitled)	7	300	0	0	Not Specified
3	**C**	(untitled)	5	300	0	0	Not Specified

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
3	**1**	A	1
3	**2**	B,C	1

Losing/ Gaining delays at each Controller Stream

Controller Stream	Delay	Type	Phase	From Stage	To Stage	Relative Delay
3	1	Losing	B	2	1	9

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
3	1	(untitled)	Single	1,2	60,16

Resultant Stages

Controller Stream	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)
3	1	✓	1	A	30	60	30	1	7
3	2	✓	2	B,C	65	16	39	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
3	A	1	✓	30	60	30
3	B	1	✓	65	25	48
3	C	1	✓	65	16	39

Intergreen Matrix for Controller Stream 3

		To		
		A	B	C
From	A		5	5
	B	5		
	C	14		

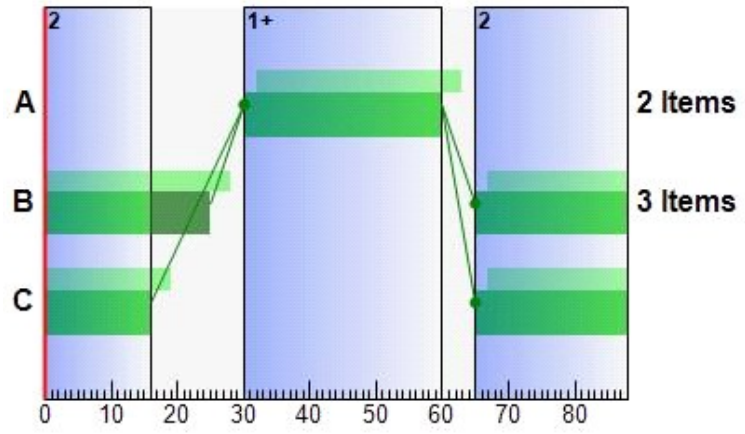
Interstage Matrix for Controller Stream 3

		To	
		1	2
From	1	0	5
	2	14	0

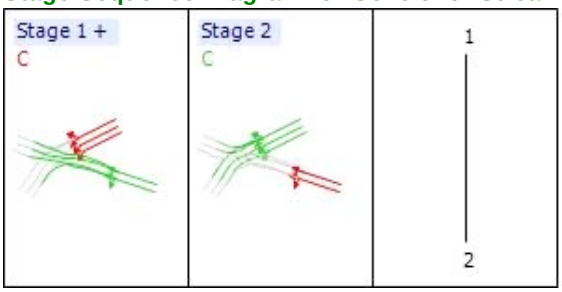
Banned Stage transitions for Controller Stream 3

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 3



Stage Sequence Diagram for Controller Stream 3



Controller Stream 5

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
5	(untitled)		1	NetworkDefault	88

Controller Stream 5 - Properties

Controller Stream	Manufacturer Name	Type	Model Number	(Telephone) Line Number	Site Number	Grid Reference	Gaining Delay Type
5	Unspecified						Absolute

Controller Stream 5 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
5	✓	✓	Offsets Only		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
5	**A**	(untitled)	7	300	0	0	Not Specified
5	**B**	(untitled)	5	300	0	0	Not Specified

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
5	**1**	A	1
5	**2**	B	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
5	**1**	(untitled)	Single	1,2	32,42

Resultant Stages

Controller Stream	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)
5	**1**	✓	1	A	53	32	67	1	7
5	**2**	✓	2	B	37	42	5	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
5	**A**	**1**	✓	53	32	67
5	**B**	**1**	✓	37	42	5

Intergreen Matrix for Controller Stream 5

		To	
		A	**B**
From	**A**		5
	B	11	

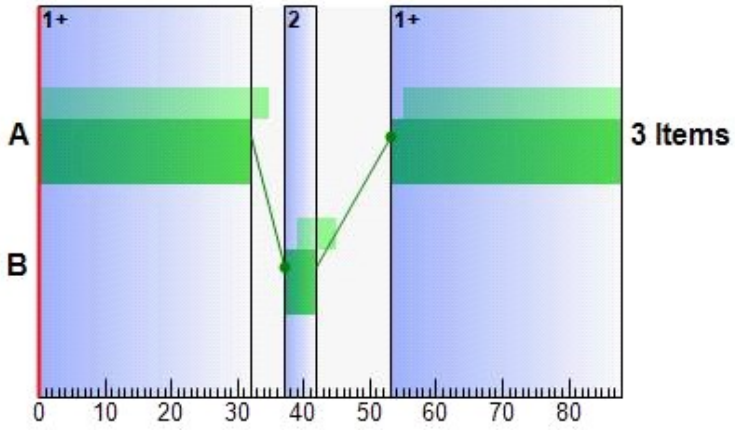
Interstage Matrix for Controller Stream 5

		To	
		1	**2**
From	**1**	0	5
	2	11	0

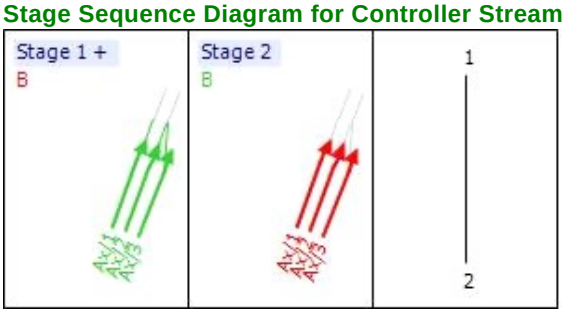
Banned Stage transitions for Controller Stream 5

		To	
		1	**2**
From	**1**		
	2		

Phase Timings Diagram for Controller Stream 5



Stage Sequence Diagram for Controller Stream 5



Controller Stream 6

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
6	(untitled)		1	NetworkDefault	88

Controller Stream 6 - Properties

Controller Stream	Manufacturer Name	Type	Model Number	(Telephone) Line Number	Site Number	Grid Reference	Gaining Delay Type
6	Unspecified						Absolute

Controller Stream 6 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
6	✓	✓	Offsets Only		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
6	**A**	(untitled)	7	300	0	0	Not Specified
6	**B**	(untitled)	5	300	0	0	Not Specified

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
6	**1**	A	1
6	**2**	B	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
6	**1**	(untitled)	Single	1,2	42,52

Resultant Stages

Controller Stream	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)
6	**1**	✓	1	A	60	42	70	1	7
6	**2**	✓	2	B	47	52	5	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
6	**A**	**1**	✓	60	42	70
6	**B**	**1**	✓	47	52	5

Intergreen Matrix for Controller Stream 6

		To	
		A	B
From	A		5
	B	8	

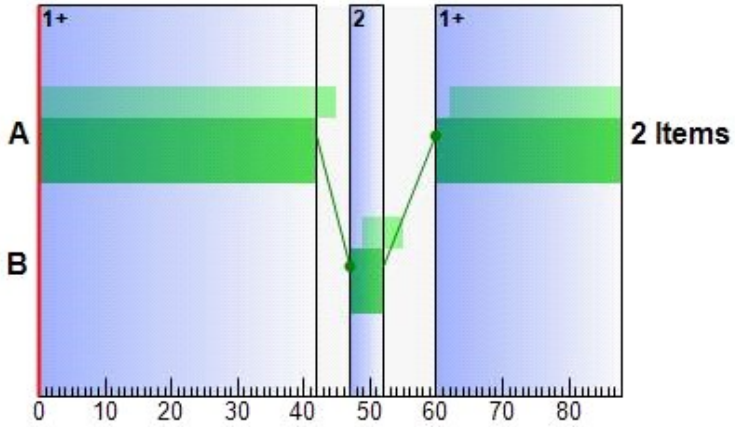
Interstage Matrix for Controller Stream 6

		To	
		1	2
From	1	0	5
	2	8	0

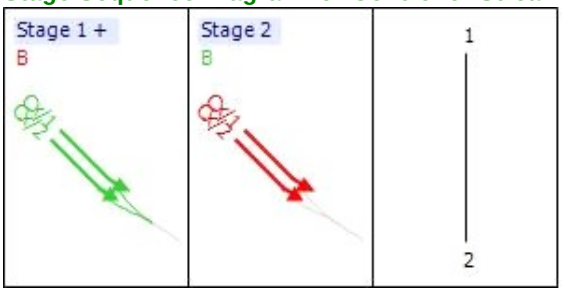
Banned Stage transitions for Controller Stream 6

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 6



Stage Sequence Diagram for Controller Stream 6



Controller Stream 7

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
7	(untitled)		1	NetworkDefault	88

Controller Stream 7 - Properties

Controller Stream	Manufacturer Name	Type	Model Number	(Telephone) Line Number	Site Number	Grid Reference	Gaining Delay Type
7	Unspecified						Absolute

Controller Stream 7 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
7	✓	✓	Offsets Only		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
7	A	(untitled)	7	300	0	0	Not Specified
7	B	(untitled)	5	300	0	0	Not Specified

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
7	1	A	1
7	2	B	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
7	1	(untitled)	Single	1,2	48,58

Resultant Stages

Controller Stream	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)
7	1	✓	1	A	68	48	68	1	7
7	2	✓	2	B	53	58	5	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
7	A	1	✓	68	48	68
7	B	1	✓	53	58	5

Intergreen Matrix for Controller Stream 7

		To	
		A	B
From	A		5
	B	10	

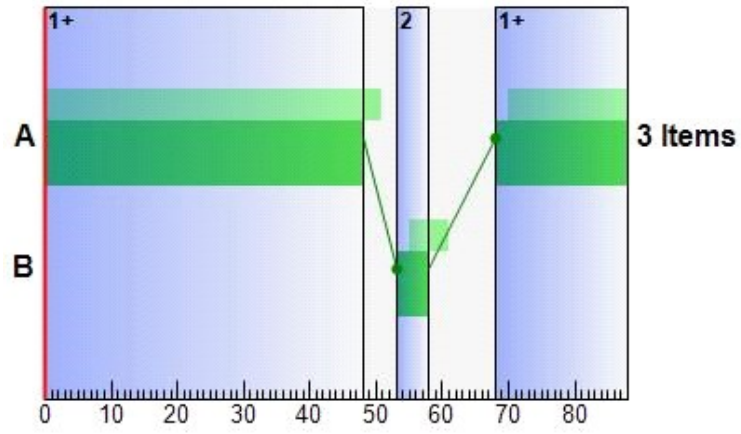
Interstage Matrix for Controller Stream 7

		To	
		1	2
From	1	0	5
	2	10	0

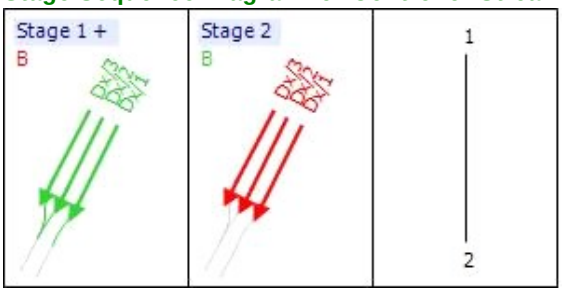
Banned Stage transitions for Controller Stream 7

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 7



Stage Sequence Diagram for Controller Stream 7



Controller Stream 8

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
8	(untitled)		1	NetworkDefault	88

Controller Stream 8 - Properties

Controller Stream	Manufacturer Name	Type	Model Number	(Telephone) Line Number	Site Number	Grid Reference	Gaining Delay Type
8	Unspecified						Absolute

Controller Stream 8 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
8	✓	✓	Offsets Only		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
8	**A**	(untitled)	7	300	0	0	Not Specified
8	**B**	(untitled)	7	300	0	0	Not Specified

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
8	**1**	A	1
8	**2**	B	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
8	**1**	(untitled)	Single	1,2	86,40

Resultant Stages

Controller Stream	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)
8	**1**	✓	1	A	45	86	41	1	7
8	**2**	✓	2	B	3	40	37	1	7

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
8	**A**	**1**	✓	45	86	41
8	**B**	**1**	✓	3	40	37

Intergreen Matrix for Controller Stream 8

		To	
		A	**B**
From	**A**		5
	B	5	

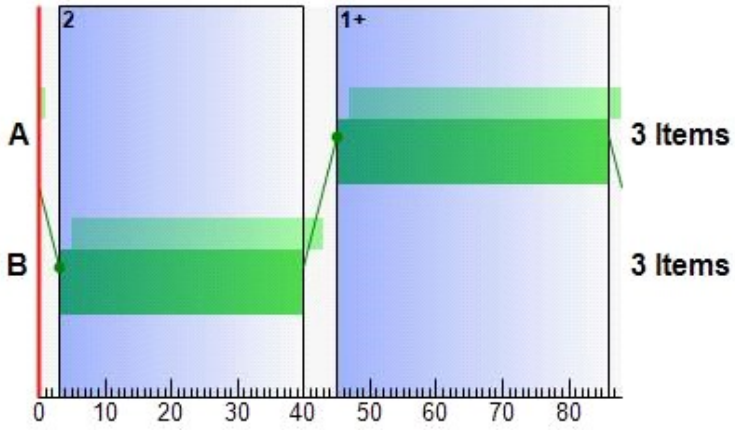
Interstage Matrix for Controller Stream 8

		To	
		1	**2**
From	**1**	0	5
	2	5	0

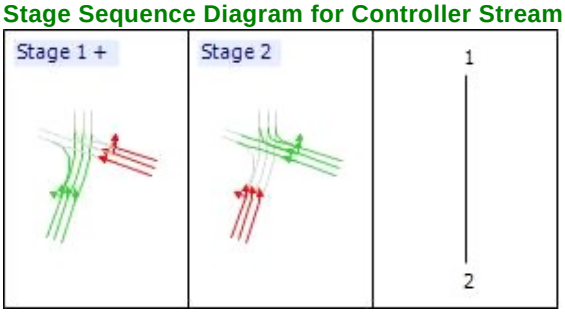
Banned Stage transitions for Controller Stream 8

		To	
		1	**2**
From	**1**		
	2		

Phase Timings Diagram for Controller Stream 8



Stage Sequence Diagram for Controller Stream 8



Controller Stream 9

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
9	(untitled)		1	NetworkDefault	88

Controller Stream 9 - Properties

Controller Stream	Manufacturer Name	Type	Model Number	(Telephone) Line Number	Site Number	Grid Reference	Gaining Delay Type
9	Unspecified						Absolute

Controller Stream 9 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
9	✓	✓	Offsets Only		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
9	**A**	(untitled)	7	300	0	0	Not Specified
9	**B**	(untitled)	7	300	0	0	Not Specified

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
9	**1**	A	1
9	**2**	B	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
9	**1**	(untitled)	Single	1,2	48,20

Resultant Stages

Controller Stream	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)
9	**1**	✓	1	A	25	48	23	1	7
9	**2**	✓	2	B	53	20	55	1	7

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
9	**A**	**1**	✓	25	48	23
9	**B**	**1**	✓	53	20	55

Intergreen Matrix for Controller Stream 9

		To	
		A	B
From	A		5
	B	5	

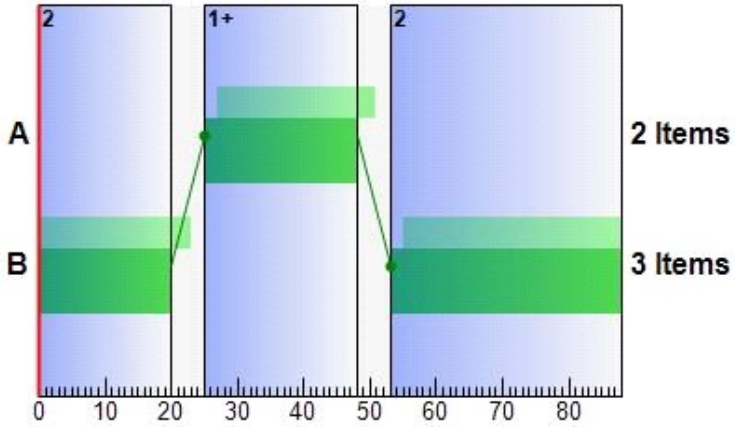
Interstage Matrix for Controller Stream 9

		To	
		1	2
From	1	0	5
	2	5	0

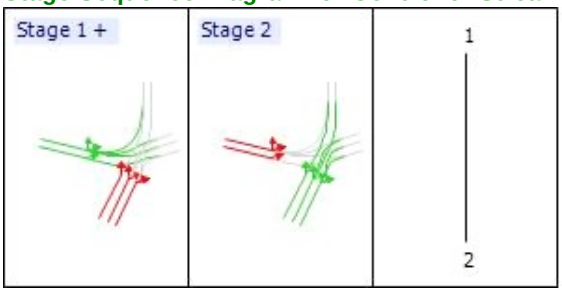
Banned Stage transitions for Controller Stream 9

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 9



Stage Sequence Diagram for Controller Stream 9



Controller Stream 10

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
10	(untitled)		1	NetworkDefault	88

Controller Stream 10 - Properties

Controller Stream	Manufacturer Name	Type	Model Number	(Telephone) Line Number	Site Number	Grid Reference	Gaining Delay Type
10	Unspecified						Absolute

Controller Stream 10 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
10	✓	✓	Offsets Only		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
10	**A**	(untitled)	7	300	0	0	Not Specified
10	**B**	(untitled)	7	300	0	0	Not Specified

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
10	**1**	A	1
10	**2**	B	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
10	**1**	(untitled)	Single	1,2	29,87

Resultant Stages

Controller Stream	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)
10	**1**	✓	1	A	4	29	25	1	7
10	**2**	✓	2	B	34	87	53	1	7

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
10	**A**	**1**	✓	4	29	25
10	**B**	**1**	✓	34	87	53

Intergreen Matrix for Controller Stream 10

		To	
		A	**B**
From	**A**		5
	B	5	

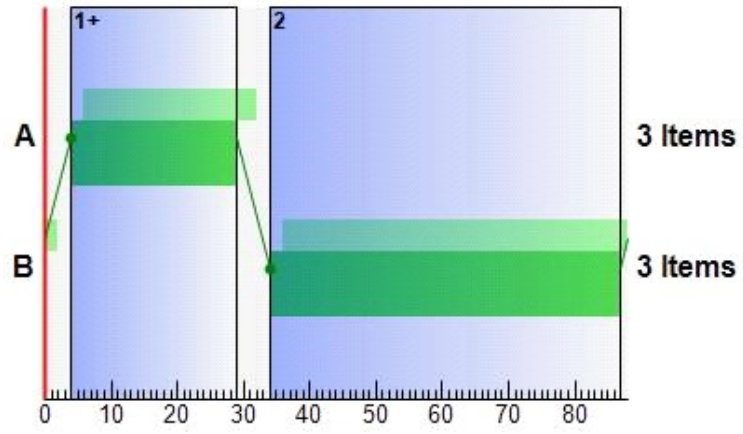
Interstage Matrix for Controller Stream 10

		To	
		1	**2**
From	**1**	0	5
	2	5	0

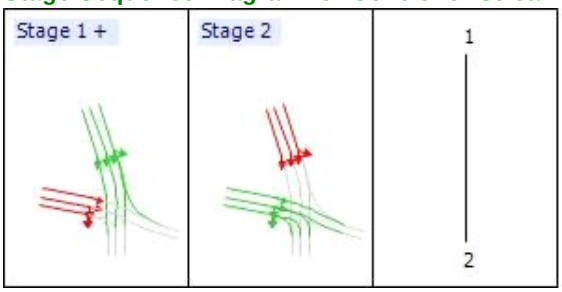
Banned Stage transitions for Controller Stream 10

		To	
		1	**2**
From	**1**		
	2		

Phase Timings Diagram for Controller Stream 10



Stage Sequence Diagram for Controller Stream 10



Controller Stream 11

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
11	(untitled)		1	NetworkDefault	88

Controller Stream 11 - Properties

Controller Stream	Manufacturer Name	Type	Model Number	(Telephone) Line Number	Site Number	Grid Reference	Gaining Delay Type
11	Unspecified						Absolute

Controller Stream 11 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
11	✓	✓	Offsets Only		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
11	**A**	(untitled)	7	300	0	0	Not Specified
11	**B**	(untitled)	7	300	0	0	Not Specified

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
11	**1**	A	1
11	**2**	B	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
11	**1**	(untitled)	Single	1,2	77,65

Resultant Stages

Controller Stream	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)
11	**1**	✓	1	A	70	77	7	1	7
11	**2**	✓	2	B	82	65	71	1	7

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
11	**A**	**1**	✓	70	77	7
11	**B**	**1**	✓	82	65	71

Intergreen Matrix for Controller Stream 11

		To	
		A	**B**
From	**A**		5
	B	5	

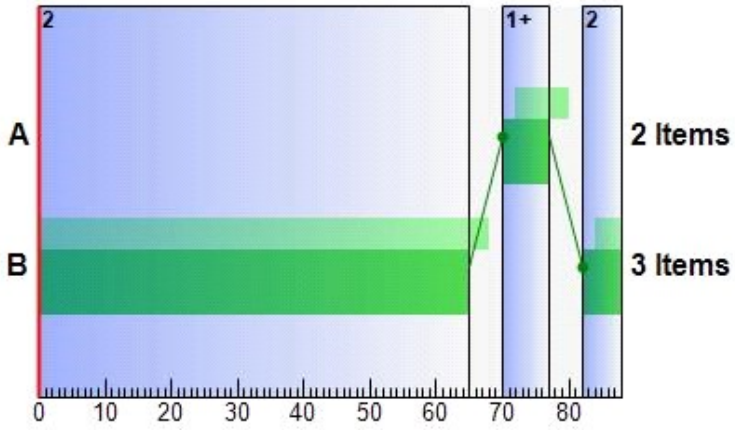
Interstage Matrix for Controller Stream 11

		To	
		1	**2**
From	**1**	0	5
	2	5	0

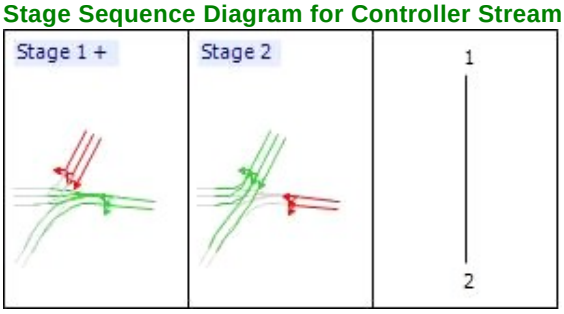
Banned Stage transitions for Controller Stream 11

		To	
		1	**2**
From	**1**		
	2		

Phase Timings Diagram for Controller Stream 11



Stage Sequence Diagram for Controller Stream 11



Final Prediction Table

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES	
Arm	Traffic Stream	Name	Traffic Node	Controller Stream	Phase	Calculated Flow Entering (PCU/hr)	Calculated Sat Flow (PCU/hr)	Actual Green (s (per cycle))	Wasted Time Total (s (per cycle))	Degree Of Saturation (%)	Practical Reserve Capacity (%)	Journey Time Per PCU (s)	Mean Delay Per PCU (s)	Mean Stops Per PCU (%)	Mean Max Queue (PCU)	Max End Of Red Queu (PCU
A	1	(untitled)	1	1	A	471	2128	29	0.00	65	39	46.93	34.93	84.79	10.08	8.24
A	2	(untitled)	1	1	A	714	2279	29	0.00	92!	-2	66.08	48.08	108.81	20.35	14.0
A	3	A38 North Entry	1	1	A	516	2279	29	0.00	66	36	49.58	31.58	79.86	10.36	8.53
A	4	(untitled)	1	1	A	778 <	2279	29	0.00	100!	-10	112.79	94.79	156.10	32.48 +	25.7
Ax1	1	(untitled)	21			661 <	1800	88	27.00	37	145	3.17	0.77	11.19	6.84 +	
Ax1	2	(untitled)	21			1423 <	1800	88	15.00	79	14	17.24	14.84	98.44	36.24 +	
Ax2	1	A38 North Exit	17			680	1800	88	11.00	38	138	10.21	0.61	0.00	0.11	
Ax2	2	A38 North Exit	17			1404 <	1800	88	9.00	78	15	14.44	4.84	47.95	19.40 +	
B	1	(untitled)	2			80	191	88	32.00	42	115	13.23	11.00	59.04	0.93	
B	2	(untitled)	2			84 <	73	88	55.00	115!	-22	355.53	353.30	292.77	9.31 +	
Bc1	1	(untitled)	2			939	1800	88	0.00	52	73	3.33	1.09	0.00	0.28	
Bc1	2	(untitled)	2			1308	1800	88	32.00	73	24	4.88	2.64	0.00	0.96	
Bc1	3	(untitled)	2			782	1800	88	17.00	43	107	3.00	0.77	0.00	0.17	
Bc1	4	(untitled)	2			1043	1800	88	55.00	58	55	3.61	1.37	0.00	0.40	
C	1	(untitled)	3	3	A	702	3076 f	30	0.00	65	39	36.54	25.35	77.14	13.85	11.7
C	2	(untitled)	3	3	A	698	3076 f	30	0.00	64	40	36.47	25.28	77.05	13.76	11.6
Cx1	1	(untitled)				1533 <	1800	88	10.00	85	6	16.10	8.64	73.45	39.30 +	
D	1	(untitled)	4	2	A	617	2159	39	0.00	63	43	38.20	21.42	74.70	12.01	8.76
D	2	(untitled)	4	2	A	664	2317	39	13.00	63	43	38.03	21.25	74.61	12.89	9.39
D	3	(untitled)	4	2	A	665	2317	39	13.00	63	43	38.05	21.27	74.68	12.91	9.40
Ac	1	(untitled)	1	1	B	499	2112	49	0.00	42	116	16.61	12.59	46.93	6.03	5.26
Ac	2	(untitled)	1	1	B	594 <	2263	49	7.00	46	95	16.21	12.18	46.45	7.17 +	6.05
Ac	3	(untitled)	1	1	B	532	2263	49	23.00	41	118	11.65	7.63	38.37	5.33	4.45
Ax	1	(untitled)	8	5	A	661	1965	67	7.00	44	107	10.80	5.21	41.82	7.64	4.72

Ax	**2**	(untitled)	8	5	A	977 <	2105	67	64.00	60	50	16.04	9.85	69.09	17.61 +	7.70
Ax	**3**	(untitled)	8	5	A	445	2105	67	64.00	27	229	7.88	2.28	21.77	3.07	2.23
Bc	**1**	(untitled)	6			970	1800	88	0.00	54	67	8.96	1.50	16.20	8.50	
Bc	**2**	(untitled)	6			1308 <	1800	88	1.00	73	24	13.83	4.31	41.99	18.12 +	
Bc	**3**	(untitled)	6			782	1800	88	18.00	43	107	11.59	1.14	18.00	7.90	
Bc	**4**	(untitled)	6			1043 <	1800	88	14.00	58	55	11.18	3.73	49.86	20.05 +	
Bx	**1**	(untitled)				31	1800	88	72.00	2	5044	7.47	0.02	0.00	0.00	
Cc	**1**	(untitled)	3	3	B	794 <	2059	48	19.00	69	30	18.38	13.53	47.71	11.19 +	7.19
Cc	**2**	(untitled)	3	3	B	794	2209	48	0.00	65	39	14.81	9.96	28.79	5.62	5.50
Cc	**3**	(untitled)	3	3	B	1104 <	2181	48	0.00	91!	-1	25.16	20.31	52.40	18.18 +	10.0
Cx	**1**	A4097 Kinsbury Road Exit	9	6	A	1007	2120	70	38.00	59	53	8.56	2.97	15.90	4.69	3.41
Cx	**2**	A4097 Kinsbury Road Exit	9	6	A	526	2120	70	38.00	31	193	6.98	1.39	9.99	1.61	1.35
Dc	**1**	(untitled)	4	2	B	320	2059	39	26.00	34	163	43.36	36.65	101.13	7.91	7.91
Dc	**2**	(untitled)	4	2	B	557	2172	39	0.00	56	60	28.10	21.39	66.05	9.60	7.38
Dc	**3**	(untitled)	4	2	B	452	2185	39	21.00	46	98	44.52	37.81	101.59	11.24	10.7
Dx	**1**	(untitled)	7	7	A	1176 <	1915	68	2.00	78	15	9.79	6.65	52.69	18.08 +	3.09
Dx	**2**	(untitled)	7	7	A	794	2055	68	17.00	49	83	4.24	1.10	2.10	3.25	0.24
Dx	**3**	(untitled)	7	7	A	793	2055	68	16.00	49	83	4.22	1.09	1.71	3.17	0.24
Dx1	**1**	A38 South Exit				1176	2155	88	6.00	55	65	14.98	1.00	0.00	0.33	
Dx1	**2**	A38 South Exit				1587	2155	88	21.00	74	22	23.00	9.02	77.17	38.27	
E	**1**	(untitled)	5			464	453	88	3.00	102!	-12	135.65	120.74	187.72	24.35	
E	**2**	(untitled)	5			922 <	905	88	1.00	102!	-12	107.92	93.01	167.43	41.39 +	
F	**1**	(untitled)	10	8	A	680	2134	41	3.00	67	35	44.68	29.02	87.86	14.78	11.4
F	**2**	(untitled)	10	8	A	893	2284	41	0.00	82	10	49.98	34.33	99.04	21.72	15.9
F	**3**	(untitled)	10	8	A	511	2284	41	5.00	47	92	37.44	21.78	89.57	11.52	8.61
Ec	**1**	(untitled)	5			570	1800	88	29.00	32	184	4.19	0.46	0.00	0.07	
Ec	**2**	(untitled)	5			886 <	1800	88	26.00	49	83	6.09	2.36	34.96	13.27 +	
Ec	**3**	(untitled)	5			894 <	1800	88	23.00	50	81	6.10	2.38	34.81	13.30 +	
Ex	**1**	(untitled)				589	1800	88	23.00	33	175	8.10	0.65	7.90	5.59	
Ex	**2**	(untitled)				334	1800	88	43.00	19	384	7.68	0.23	0.00	0.02	
Fc	**1**	(untitled)	10	8	B	22	2166	37	37.00	2	3726	19.06	10.18	96.97	0.53	0.53
Fc	**2**	(untitled)	10	8	B	54	2317	37	26.00	5	1568	15.83	7.56	59.49	0.79	0.79
Fc	**3**	(untitled)	10	8	B	9	2317	37	37.00	1	9905	18.58	10.31	97.23	0.22	0.22
Fx	**1**	(untitled)	20			1056	2112	88	0.00	50	80	22.48	0.85	0.00	0.25	
Fx	**2**	(untitled)	20			1423	2263	88	0.00	63	43	22.97	1.34	1.53	1.79	
Fx1	**1**	(untitled)	22			1185	1800	88	0.00	66	37	13.94	1.94	3.06	5.14	
Fx1	**2**	(untitled)	22			1294	1800	88	26.00	72	25	14.72	2.72	15.34	10.98	

G	**1**	(untitled)	11	9	A	601 <	2123	23	0.00	104!	-13	147.00	141.33	195.36	32.44 +	28.7
G	**2**	(untitled)	11	9	A	642 <	2724 f	23	10.00	86	4	48.92	43.26	105.66	17.20 +	13.9
G1	**1**	(untitled)	14			1243	2112	88	88.00	59	53	5.69	1.22	0.00	0.42	
Gc	**1**	(untitled)	11	9	B	399	2166	55	7.00	29	211	8.41	0.59	2.46	0.36	0.36
Gc	**2**	(untitled)	11	9	B	902	2317	55	6.00	61	47	9.81	1.98	4.99	2.48	1.02
Gc	**3**	(untitled)	11	9	B	511	2317	55	17.00	35	160	8.58	0.75	5.64	2.09	0.63
Gx	**1 NBT**	(untitled)	18			312	2112	88	41.00	15	510	4.32	0.15	0.00	0.01	
Gx	**2 NBT**	(untitled)	18			45	2263	88	71.00	2	4426	4.19	0.02	0.00	0.00	
Gx1	**1 NBT**	(untitled)				357	1965	88	27.00	18	396	1.69	0.20	0.00	0.02	
H	**1**	(untitled)	12	10	A	653 <	2134	25	0.00	104!	-13	142.38	135.22	191.69	34.33 +	29.9
H	**2**	(untitled)	12	10	A	699 <	2284	25	0.00	104!	-13	140.57	133.41	190.54	36.40 +	31.7
H	**3**	(untitled)	12	10	A	23	2284	25	25.00	3	2541	29.45	22.29	68.28	0.40	0.40
I	**1**	(untitled)	13	11	A	154	2123	7	0.00	80	13	76.78	72.31	129.41	5.09	4.84
I	**2**	(untitled)	13	11	A	164	3174 f	7	0.00	57	58	50.49	46.01	100.96	4.15	4.01
H1	**1**	(untitled)	15			1352	2112	88	88.00	64	41	8.97	1.51	0.00	0.57	
H1	**2**	(untitled)	15			23	2263	88	88.00	1	8755	7.46	0.01	0.00	0.00	
Hc	**1**	(untitled)	12	10	B	586	2166	53	0.00	44	104	13.68	6.19	20.12	2.97	2.68
Hc	**2**	(untitled)	12	10	B	927	2317	53	0.00	65	38	11.11	3.37	12.15	3.89	2.02
Hc	**3**	(untitled)	12	10	B	646 <	2317	53	25.00	45	98	12.88	5.39	87.29	15.75 +	1.97
Hx	**1**	(untitled)				476	2112	88	9.00	23	300	7.70	0.25	0.00	0.03	
Hx	**2**	(untitled)				399	2263	88	36.00	18	410	7.63	0.17	0.00	0.02	
I1	**1**	(untitled)	16			318	2112	88	0.00	15	498	7.61	0.15	0.00	0.01	
Ic	**1**	(untitled)	13	11	B	902	2166	71	15.00	51	77	8.59	1.32	3.24	0.72	0.72
Ic	**2**	(untitled)	13	11	B	1321	2317	71	14.00	70	29	9.79	2.52	5.00	1.62	1.62
Ic	**3**	(untitled)	13	11	B	23	2317	71	65.00	1	7318	7.28	0.01	0.00	0.00	0.00
Ix	**1 NBT**	(untitled)	19			655	2112	88	38.00	31	190	3.74	0.38	0.00	0.07	
Ix	**2 NBT**	(untitled)	19			586	2263	88	58.00	26	248	3.63	0.28	0.00	0.05	
Ix1	**1 NBT**	(untitled)				1241 <	2112	88	2.00	59	53	5.90	4.78	54.53	20.97 +	

Network Results

	Distance Travelled (PCU-km/hr)	Time Spent (PCU-hr/hr)	Mean Journey Speed (kph)	Uniform Delay (PCU-hr/hr)	Random Plus Oversat 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)
TOTAL	6286.93	365.95	17.18	101.65	133.48	3015.28	771.95	344.52	4131.76
BUSES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRAMS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PEDESTRIANS									
OTHER (NORMAL)	6697.59	424.58	15.77	125.48	154.93	3280.70	787.11	4676.54	8744.35

- *B = at least one source for this link carries buses*
- *T = at least one source for this link carries trams*
- *P = this link is a pedestrian link*
- *< = adjusted flow warning (upstream links are over-saturated)*
- *! = DoS threshold exceeded*
- *f = average saturation flow for flared link*
- ** = Traffic Stream - Normal, Bus or Tram Stop or Delay weighting has been set to a value other than 100%*
- *^ = Traffic Stream - Normal, Bus or Tram Stop or Delay Path weighting has been set to a value other than 100%*
- *+ = average link excess queue is greater than 0*
- ***P.I. = PERFORMANCE INDEX***

Traffic Stream Results

Traffic Stream Results: Vehicle Summary

Time Segment	Arm	Traffic Stream	Degree Of Saturation (%)	Practical Reserve Capacity (%)	Calculated Flow Entering (PCU/hr)	Calculated Sat Flow (PCU/hr)	Actual Green (s (per cycle))	Mean Delay Per PCU (s)	Mean Max Queue (PCU)	Utilised Storage (%)	Weighted Cost Of Delay (£ per hr)	Weighted Cost Of Stops (£ per hr)	Performance Index (£ per hr)
08:00-09:00	**A**	**1**	65	39	471	2128	29	34.93	10.08	57.96	25.97	1.00	26.97
08:00-09:00	**A**	**2**	92!	-2	714	2279	29	48.08	20.35	78.02	54.15	1.95	56.10
08:00-09:00	**A**	**3**	66	36	516	2279	29	31.58	10.36	39.72	25.70	1.03	26.73
08:00-09:00	**A**	**4**	100!	-10	778	2279	29	94.79	32.48	124.49	116.39	3.04	119.43
08:00-09:00	**Ax1**	**1**	37	145	661	1800	88	0.77	6.84	196.78	2.02	0.93	2.94
08:00-09:00	**Ax1**	**2**	79	14	1423	1800	88	14.84	36.24	1041.81	83.28	17.56	100.84
08:00-09:00	**Ax2**	**1**	38	138	680	1800	88	0.61	0.11	0.82	1.63	0.00	1.63
08:00-09:00	**Ax2**	**2**	78	15	1404	1800	88	4.84	19.40	139.46	26.83	8.44	35.27
08:00-09:00	**B**	**1**	42	115	80	191	88	11.00	0.93	17.77	3.47	1.53	5.00
08:00-09:00	**B**	**2**	115!	-22	84	73	88	353.30	9.31	178.38	117.06	6.96	124.02
08:00-09:00	**Bc1**	**1**	52	73	939	1800	88	1.09	0.28	5.44	4.03	0.00	4.03
08:00-09:00	**Bc1**	**2**	73	24	1308	1800	88	2.64	0.96	18.38	13.62	0.00	13.62
08:00-09:00	**Bc1**	**3**	43	107	782	1800	88	0.77	0.17	3.19	2.36	0.00	2.36
08:00-09:00	**Bc1**	**4**	58	55	1043	1800	88	1.37	0.40	7.63	5.65	0.00	5.65

08:00-09:00	C	1	65	39	702	3076	30	25.35	13.85	39.82	28.08	0.00	28.08
08:00-09:00	C	2	64	40	698	3076	30	25.28	13.76	39.57	27.84	0.00	27.84
08:00-09:00	Cx1	1	85	6	1533	1800	88	8.64	39.30	225.97	52.28	36.57	88.85
08:00-09:00	D	1	63	43	617	2159	39	21.42	12.01	23.02	20.85	0.00	20.85
08:00-09:00	D	2	63	43	664	2317	39	21.25	12.89	24.71	22.26	0.00	22.26
08:00-09:00	D	3	63	43	665	2317	39	21.27	12.91	24.75	22.32	0.00	22.32
08:00-09:00	Ac	1	42	116	499	2112	49	12.59	6.03	86.12	24.79	7.61	32.40
08:00-09:00	Ac	2	46	95	594	2263	49	12.18	7.17	102.50	28.54	8.96	37.50
08:00-09:00	Ac	3	41	118	532	2263	49	7.63	5.33	76.13	16.00	6.63	22.63
08:00-09:00	Ax	1	44	107	661	1965	67	5.21	7.64	43.93	13.58	15.96	29.55
08:00-09:00	Ax	2	60	50	977	2105	67	9.85	17.61	101.24	37.98	37.10	75.07
08:00-09:00	Ax	3	27	229	445	2105	67	2.28	3.07	17.67	4.01	5.60	9.61
08:00-09:00	Bc	1	54	67	970	1800	88	1.50	8.50	48.85	5.75	5.11	10.85
08:00-09:00	Bc	2	73	24	1308	1800	88	4.31	18.12	104.21	22.23	16.33	38.56
08:00-09:00	Bc	3	43	107	782	1800	88	1.14	7.90	45.44	3.51	1.81	5.32
08:00-09:00	Bc	4	58	55	1043	1800	88	3.73	20.05	115.26	15.33	16.89	32.22
08:00-09:00	Bx	1	2	5044	31	1800	88	0.02	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Cc	1	69	30	794	2059	48	13.53	11.19	186.48	42.38	12.30	92.20
08:00-09:00	Cc	2	65	39	794	2209	48	9.96	5.62	93.62	31.20	7.42	38.62
08:00-09:00	Cc	3	91!	-1	1104	2181	48	20.31	18.18	303.02	88.44	18.79	270.91
08:00-09:00	Cx	1	59	53	1007	2120	70	2.97	4.69	26.94	11.80	9.24	21.04
08:00-09:00	Cx	2	31	193	526	2120	70	1.39	1.61	9.27	2.89	3.04	5.92
08:00-09:00	Dc	1	34	163	320	2059	39	36.65	7.91	50.54	462.56	105.09	567.66
08:00-09:00	Dc	2	56	60	557	2172	39	21.39	9.60	61.36	46.98	11.94	58.92
08:00-09:00	Dc	3	46	98	452	2185	39	37.81	11.24	71.78	67.40	14.91	82.31
08:00-09:00	Dx	1	78	15	1176	1915	68	6.65	18.08	185.67	30.86	35.76	66.62
08:00-09:00	Dx	2	49	83	794	2055	68	1.10	3.25	33.40	3.46	0.96	4.42
08:00-09:00	Dx	3	49	83	793	2055	68	1.09	3.17	32.55	3.42	0.78	4.20
08:00-09:00	Dx1	1	55	65	1176	2155	88	1.00	0.33	0.75	4.64	0.00	4.64
08:00-09:00	Dx1	2	74	22	1587	2155	88	9.02	38.27	88.01	56.45	70.71	127.16

08:00-09:00	E	1	102!	-12	464	453	88	120.74	24.35	70.02	88.39	27.61	116.00
08:00-09:00	E	2	102!	-12	922	905	88	93.01	41.39	118.99	135.30	49.21	184.50
08:00-09:00	F	1	67	35	680	2134	41	29.02	14.78	40.46	77.84	19.40	97.25
08:00-09:00	F	2	82	10	893	2284	41	34.33	21.72	59.47	120.93	28.73	149.66
08:00-09:00	F	3	47	92	511	2284	41	21.78	11.52	31.55	43.88	14.86	58.73
08:00-09:00	Ec	1	32	184	570	1800	88	0.46	0.07	0.84	1.04	0.00	1.04
08:00-09:00	Ec	2	49	83	886	1800	88	2.36	13.27	152.63	8.26	10.06	73.01
08:00-09:00	Ec	3	50	81	894	1800	88	2.38	13.30	152.94	8.38	10.11	73.36
08:00-09:00	Ex	1	33	175	589	1800	88	0.65	5.59	32.12	1.50	1.51	3.01
08:00-09:00	Ex	2	19	384	334	1800	88	0.23	0.02	0.12	0.30	0.00	0.30
08:00-09:00	Fc	1	2	3726	22	2166	37	10.18	0.53	7.56	0.88	0.27	1.15
08:00-09:00	Fc	2	5	1568	54	2317	37	7.56	0.79	11.34	1.61	0.46	2.07
08:00-09:00	Fc	3	1	9905	9	2317	37	10.31	0.22	3.10	0.37	0.13	0.49
08:00-09:00	Fx	1	50	80	1056	2112	88	0.85	0.25	0.50	3.55	0.00	3.55
08:00-09:00	Fx	2	63	43	1423	2263	88	1.34	1.79	3.55	7.54	0.71	8.25
08:00-09:00	Fx1	1	66	37	1185	1800	88	1.94	5.14	29.55	9.05	0.45	9.50
08:00-09:00	Fx1	2	72	25	1294	1800	88	2.72	10.98	63.15	13.87	2.49	16.36
08:00-09:00	G	1	104!	-13	601	2123	23	141.33	32.44	245.44	167.52	7.35	174.87
08:00-09:00	G	2	86	4	642	2724	23	43.26	17.20	130.11	54.77	4.41	59.18
08:00-09:00	G1	1	59	53	1243	2112	88	1.22	0.42	4.02	5.96	0.00	5.96
08:00-09:00	Gc	1	29	211	399	2166	55	0.59	0.36	5.16	0.92	0.14	1.06
08:00-09:00	Gc	2	61	47	902	2317	55	1.98	2.48	35.40	7.05	0.65	8.24
08:00-09:00	Gc	3	35	160	511	2317	55	0.75	2.09	29.80	1.51	0.42	2.03
08:00-09:00	Gx	1	15	510	312	2112	88	0.15	0.01	0.13	0.18	0.00	0.18
08:00-09:00	Gx	2	2	4426	45	2263	88	0.02	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Gx1	1	18	396	357	1965	88	0.20	0.02	0.58	0.29	0.00	0.29
08:00-09:00	H	1	104!	-13	653	2134	25	135.22	34.33	205.65	348.28	39.25	387.53
08:00-09:00	H	2	104!	-13	699	2284	25	133.41	36.40	218.03	367.84	41.75	409.60
08:00-09:00	H	3	3	2541	23	2284	25	22.29	0.40	2.38	2.02	0.51	2.53
08:00-09:00	I	1	80	13	154	2123	7	72.31	5.09	48.82	17.57	0.00	17.57

08:00-09:00	I	2	57	58	164	3174	7	46.01	4.15	39.77	11.91	0.00	11.91
08:00-09:00	H1	1	64	41	1352	2112	88	1.51	0.57	3.26	8.06	0.00	8.06
08:00-09:00	H1	2	1	8755	23	2263	88	0.01	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Hc	1	44	104	586	2166	53	6.19	2.97	42.48	14.29	1.70	16.00
08:00-09:00	Hc	2	65	38	927	2317	53	3.37	3.89	55.54	12.32	1.50	46.94
08:00-09:00	Hc	3	45	98	646	2317	53	5.39	15.75	225.05	13.73	8.14	4353.89
08:00-09:00	Hx	1	23	300	476	2112	88	0.25	0.03	0.19	0.46	0.00	0.46
08:00-09:00	Hx	2	18	410	399	2263	88	0.17	0.02	0.11	0.27	0.00	0.27
08:00-09:00	I1	1	15	498	318	2112	88	0.15	0.01	0.08	0.19	0.00	0.19
08:00-09:00	Ic	1	51	77	902	2166	71	1.32	0.72	10.29	4.70	0.42	5.12
08:00-09:00	Ic	2	70	29	1321	2317	71	2.52	1.62	23.16	13.14	0.95	14.09
08:00-09:00	Ic	3	1	7318	23	2317	71	0.01	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Ix	1	31	190	655	2112	88	0.38	0.07	0.89	0.99	0.00	0.99
08:00-09:00	Ix	2	26	248	586	2263	88	0.28	0.05	0.58	0.64	0.00	0.64
08:00-09:00	Ix1	1	59	53	1241	2112	88	4.78	20.97	804.01	23.38	21.97	45.35

Traffic Stream Results: Flows And Signals

Time Segment	Arm	Traffic Stream	Calculated Flow Entering (PCU/hr)	Calculated Flow Out (PCU/hr)	Flow Discrepancy (PCU/hr)	Adjusted Flow Warning	Calculated Sat Flow (PCU/hr)	Calculated Capacity (PCU/hr)	Degree Of Saturation (%)	DOS Threshold Exceeded	Practical Reserve Capacity (%)	Mean Modulus Of Error	Actual Green (s (per cycle))	Effective Green (s (per cycle))
08:00-09:00	A	1	471	471	15	✓	2128	725	65		39	0.39	29	30
08:00-09:00	A	2	714	714	14	✓	2279	777	92!	✓	-2	0.35	29	30
08:00-09:00	A	3	516	516	9	✓	2279	777	66		36	0.34	29	30
08:00-09:00	A	4	778	777	16	✓	2279	777	100!	✓	-10	0.34	29	30
08:00-09:00	Ax1	1	661	661	3	✓	1800	1800	37		145	0.91	88	88
08:00-09:00	Ax1	2	1423	1423	2	✓	1800	1800	79		14	0.78	88	88
08:00-09:00	Ax2	1	680	680	1	✓	1800	1800	38		138	0.44	88	88
08:00-09:00	Ax2	2	1404	1404	4	✓	1800	1800	78		15	0.41	88	88
08:00-09:00	B	1	80	80	-1		191	191	42		115	0.00	88	88
08:00-09:00	B	2	84	73	-5		73	73	115!	✓	-22	0.00	88	88
08:00-09:00	Bc1	1	939	939	21	✓	1800	1800	52		73	0.52	88	88
08:00-09:00	Bc1	2	1308	1308	22	✓	1800	1800	73		24	0.38	88	88

08:00-09:00	Bc1	3	782	782	14	✓	1800	1800	43		107	0.65	88	88
08:00-09:00	Bc1	4	1043	1043	23	✓	1800	1800	58		55	0.67	88	88
08:00-09:00	C	1	702	702	0		3076	1084	65		39	0.00	30	31
08:00-09:00	C	2	698	698	4		3076	1084	64		40	0.00	30	31
08:00-09:00	Cx1	1	1533	1533	29	✓	1800	1800	85		6	0.42	88	88
08:00-09:00	D	1	617	617	0		2159	981	63		43	0.00	39	40
08:00-09:00	D	2	664	664	0		2317	1053	63		43	0.00	39	40
08:00-09:00	D	3	665	665	-1		2317	1053	63		43	0.00	39	40
08:00-09:00	Ac	1	499	499	7	✓	2112	1200	42		116	0.25	49	50
08:00-09:00	Ac	2	594	594	8	✓	2263	1286	46		95	0.25	49	50
08:00-09:00	Ac	3	532	532	11	✓	2263	1286	41		118	0.72	49	50
08:00-09:00	Ax	1	661	661	3	✓	1965	1518	44		107	0.64	67	68
08:00-09:00	Ax	2	977	977	3	✓	2105	1627	60		50	0.56	67	68
08:00-09:00	Ax	3	445	445	0		2105	1627	27		229	0.68	67	68
08:00-09:00	Bc	1	970	970	22	✓	1800	1800	54		67	0.56	88	88
08:00-09:00	Bc	2	1308	1308	22	✓	1800	1800	73		24	0.50	88	88
08:00-09:00	Bc	3	782	782	14	✓	1800	1800	43		107	0.66	88	88
08:00-09:00	Bc	4	1043	1043	23	✓	1800	1800	58		55	0.72	88	88
08:00-09:00	Bx	1	31	31	0		1800	1800	2		5044	0.83	88	88
08:00-09:00	Cc	1	794	794	14	✓	2059	1146	69		30	0.50	48	49
08:00-09:00	Cc	2	794	794	16	✓	2209	1230	65		39	0.61	48	49
08:00-09:00	Cc	3	1104	1104	28	✓	2181	1214	91!	✓	-1	0.56	48	49
08:00-09:00	Cx	1	1007	1007	21	✓	2120	1710	59		53	0.42	70	71
08:00-09:00	Cx	2	526	526	8	✓	2120	1710	31		193	0.35	70	71
08:00-09:00	Dc	1	320	320	0		2059	936	34		163	1.25	39	40
08:00-09:00	Dc	2	557	557	12	✓	2172	987	56		60	0.54	39	40
08:00-09:00	Dc	3	452	452	3		2185	993	46		98	1.17	39	40
08:00-09:00	Dx	1	1176	1176	14	✓	1915	1502	78		15	0.54	68	69
08:00-09:00	Dx	2	794	794	16	✓	2055	1611	49		83	0.88	68	69
08:00-09:00	Dx	3	793	793	17	✓	2055	1611	49		83	0.85	68	69

08:00-09:00	Dx1	1	1176	1176	14	✓	2155	2155	55		65	0.49	88	88
08:00-09:00	Dx1	2	1587	1587	32	✓	2155	2155	74		22	0.75	88	88
08:00-09:00	E	1	464	453	-2	✓	453	453	102!	✓	-12	0.00	88	88
08:00-09:00	E	2	922	905	1		905	905	102!	✓	-12	0.00	88	88
08:00-09:00	F	1	680	680	1	✓	2134	1019	67		35	0.36	41	42
08:00-09:00	F	2	893	893	2	✓	2284	1090	82		10	0.33	41	42
08:00-09:00	F	3	511	511	2	✓	2284	1090	47		92	0.42	41	42
08:00-09:00	Ec	1	570	570	1		1800	1800	32		184	0.90	88	88
08:00-09:00	Ec	2	886	886	1		1800	1800	49		83	0.74	88	88
08:00-09:00	Ec	3	894	894	0		1800	1800	50		81	0.74	88	88
08:00-09:00	Ex	1	589	589	0		1800	1800	33		175	0.86	88	88
08:00-09:00	Ex	2	334	334	11	✓	1800	1800	19		384	1.01	88	88
08:00-09:00	Fc	1	22	22	0		2166	935	2		3726	1.66	37	38
08:00-09:00	Fc	2	54	54	0		2317	1001	5		1568	1.23	37	38
08:00-09:00	Fc	3	9	9	0		2317	1001	1		9905	1.68	37	38
08:00-09:00	Fx	1	1056	1056	31	✓	2112	2112	50		80	0.39	88	88
08:00-09:00	Fx	2	1423	1423	24	✓	2263	2263	63		43	0.44	88	88
08:00-09:00	Fx1	1	1185	1185	30	✓	1800	1800	66		37	0.37	88	88
08:00-09:00	Fx1	2	1294	1294	25	✓	1800	1800	72		25	0.37	88	88
08:00-09:00	G	1	601	579	0		2123	579	104!	✓	-13	0.00	23	24
08:00-09:00	G	2	642	642	1		2724	743	86		4	0.00	23	24
08:00-09:00	G1	1	1243	1243	1		2112	2112	59		53	0.00	88	88
08:00-09:00	Gc	1	399	399	0	✓	2166	1378	29		211	1.05	55	56
08:00-09:00	Gc	2	902	902	2	✓	2317	1474	61		47	1.00	55	56
08:00-09:00	Gc	3	511	511	2	✓	2317	1474	35		160	1.30	55	56
08:00-09:00	Gx	1	312	312	1		2112	2112	15		510	1.07	88	88
08:00-09:00	Gx	2	45	45	0		2263	2263	2		4426	1.35	88	88
08:00-09:00	Gx1	1	357	357	1		1965	1965	18		396	0.92	88	88
08:00-09:00	H	1	653	631	-1		2134	631	104!	✓	-13	0.00	25	26
08:00-09:00	H	2	699	675	-1		2284	675	104!	✓	-13	0.00	25	26

08:00-09:00	H	3	23	23	0		2284	675	3		2541	0.00	25	26
08:00-09:00	I	1	154	154	-1		2123	193	80		13	0.00	7	8
08:00-09:00	I	2	164	164	0		3174	289	57		58	0.00	7	8
08:00-09:00	H1	1	1352	1352	-2		2112	2112	64		41	0.00	88	88
08:00-09:00	H1	2	23	23	0		2263	2263	1		8755	0.00	88	88
08:00-09:00	Hc	1	586	586	5	✓	2166	1329	44		104	0.82	53	54
08:00-09:00	Hc	2	927	927	18	✓	2317	1422	65		38	0.78	53	54
08:00-09:00	Hc	3	646	646	1		2317	1422	45		98	1.38	53	54
08:00-09:00	Hx	1	476	476	2	✓	2112	2112	23		300	0.74	88	88
08:00-09:00	Hx	2	399	399	0	✓	2263	2263	18		410	0.91	88	88
08:00-09:00	I1	1	318	318	-1		2112	2112	15		498	0.00	88	88
08:00-09:00	Ic	1	902	902	32	✓	2166	1772	51		77	0.76	71	72
08:00-09:00	Ic	2	1321	1321	24	✓	2317	1896	70		29	0.72	71	72
08:00-09:00	Ic	3	23	23	0		2317	1896	1		7318	1.36	71	72
08:00-09:00	Ix	1	655	655	8	✓	2112	2112	31		190	0.78	88	88
08:00-09:00	Ix	2	586	586	5	✓	2263	2263	26		248	1.05	88	88
08:00-09:00	Ix1	1	1241	1241	13	✓	2112	2112	59		53	0.86	88	88

Traffic Stream Results: Stops And Delays

Time Segment	Arm	Traffic Stream	Mean Cruise Time Per PCU (s)	Mean Delay Per PCU (s)	Uniform Delay (PCU-hr/hr)	Random Plus Oversat Delay (PCU-hr/hr)	Unweighted Cost Of Delay (£ per hr)	Weighted Cost Of Delay (£ per hr)	Mean Stops Per PCU (%)	Uniform Stops (Stops per hr)	Random Stops (Stops per hr)	Unweighted Cost Of Stops (£ per hr)	Weighted Cost Of Stops (£ per hr)
08:00-09:00	A	1	12.00	34.93	3.98	0.60	64.92	25.97	84.79	375.43	24.06	5.01	1.00
08:00-09:00	A	2	18.00	48.08	5.09	4.45	135.39	54.15	108.81	605.96	170.88	9.74	1.95
08:00-09:00	A	3	18.00	31.58	3.87	0.65	64.24	25.70	79.86	385.70	26.21	5.16	1.03
08:00-09:00	A	4	18.00	94.79	6.71	13.78	290.97	116.39	156.10	739.78	472.98	15.21	3.04
08:00-09:00	Ax1	1	2.40	0.77	0.04	0.11	2.02	2.02	11.19	69.65	4.35	0.93	0.93
08:00-09:00	Ax1	2	2.40	14.84	4.39	1.47	83.28	83.28	98.44	1340.93	59.61	17.56	17.56
08:00-09:00	Ax2	1	9.60	0.61	0.00	0.11	1.63	1.63	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Ax2	2	9.60	4.84	0.52	1.37	26.83	26.83	47.95	563.52	109.69	8.44	8.44
08:00-													

08:00-09:00	B	2	2.24	353.30	0.71	7.54	117.06	117.06	292.77	73.20	141.19	6.96	6.96
08:00-09:00	Bc1	1	2.24	1.09	0.00	0.28	4.03	4.03	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Bc1	2	2.24	2.64	0.00	0.96	13.62	13.62	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Bc1	3	2.24	0.77	0.00	0.17	2.36	2.36	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Bc1	4	2.24	1.37	0.00	0.40	5.65	5.65	0.00	0.00	0.00	0.00	0.00
08:00-09:00	C	1	11.19	25.35	4.35	0.59	70.21	28.08	77.14	517.53	24.02	31.26	0.00
08:00-09:00	C	2	11.19	25.28	4.32	0.58	69.61	27.84	77.05	514.33	23.50	31.05	0.00
08:00-09:00	Cx1	1	7.46	8.64	1.29	2.39	52.28	52.28	73.45	1029.97	96.17	36.57	36.57
08:00-09:00	D	1	16.78	21.42	3.14	0.53	52.12	20.85	74.70	439.43	21.45	26.60	0.00
08:00-09:00	D	2	16.78	21.25	3.38	0.53	55.66	22.26	74.61	473.69	21.69	28.60	0.00
08:00-09:00	D	3	16.78	21.27	3.39	0.54	55.80	22.32	74.68	474.83	21.81	28.67	0.00
08:00-09:00	Ac	1	4.03	12.59	1.60	0.15	24.79	24.79	46.93	228.29	6.04	7.61	7.61
08:00-09:00	Ac	2	4.03	12.18	1.81	0.20	28.54	28.54	46.45	267.85	8.07	8.96	8.96
08:00-09:00	Ac	3	4.03	7.63	0.98	0.15	16.00	16.00	38.37	198.21	5.95	6.63	6.63
08:00-09:00	Ax	1	5.59	5.21	0.79	0.17	13.58	13.58	41.82	269.71	6.84	15.96	15.96
08:00-09:00	Ax	2	6.19	9.85	2.22	0.45	37.98	37.98	69.09	656.82	18.35	37.10	37.10
08:00-09:00	Ax	3	5.59	2.28	0.23	0.05	4.01	4.01	21.77	94.86	2.11	5.60	5.60
08:00-09:00	Bc	1	7.46	1.50	0.09	0.31	5.75	5.75	16.20	131.62	25.58	5.11	5.11
08:00-09:00	Bc	2	9.52	4.31	0.61	0.96	22.23	22.23	41.99	471.83	77.30	16.33	16.33
08:00-09:00	Bc	3	10.45	1.14	0.08	0.17	3.51	3.51	18.00	133.89	6.80	1.81	1.81
08:00-09:00	Bc	4	7.46	3.73	0.68	0.40	15.33	15.33	49.86	503.75	16.22	16.89	16.89
08:00-09:00	Bx	1	7.46	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Cc	1	4.85	13.53	2.21	0.77	42.38	42.38	47.71	347.45	31.30	12.30	12.30
08:00-09:00	Cc	2	4.85	9.96	1.61	0.58	31.20	31.20	28.79	204.82	23.73	7.42	7.42
08:00-09:00	Cc	3	4.85	20.31	2.07	4.16	88.44	88.44	52.40	414.67	163.82	18.79	18.79
08:00-09:00	Cx	1	5.59	2.97	0.41	0.42	11.80	11.80	15.90	142.98	17.12	9.24	9.24
08:00-09:00	Cx	2	5.59	1.39	0.13	0.07	2.89	2.89	9.99	49.79	2.79	3.04	3.04
08:00-09:00	Dc	1	6.71	36.65	3.17	0.09	46.26	462.56	101.13	320.00	3.62	10.51	105.09
08:00-09:00	Dc	2	6.71	21.39	2.94	0.36	46.98	46.98	66.05	353.04	14.77	11.94	11.94
08:00-09:00	Dc	3	6.71	37.81	4.56	0.19	67.40	67.40	101.59	451.40	7.72	14.91	14.91

08:00-09:00	Dx	1	3.13	6.65	0.78	1.39	30.86	30.86	52.69	508.14	111.37	35.76	35.76
08:00-09:00	Dx	2	3.13	1.10	0.00	0.24	3.46	3.46	2.10	6.90	9.74	0.96	0.96
08:00-09:00	Dx	3	3.13	1.09	0.00	0.24	3.42	3.42	1.71	3.87	9.71	0.78	0.78
08:00-09:00	Dx1	1	13.98	1.00	0.00	0.33	4.64	4.64	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Dx1	2	13.98	9.02	2.95	1.02	56.45	56.45	77.17	1183.28	41.57	70.71	70.71
08:00-09:00	E	1	14.91	120.74	2.15	13.41	220.98	88.39	187.72	436.08	414.15	27.61	27.61
08:00-09:00	E	2	14.91	93.01	4.30	19.52	338.24	135.30	167.43	867.29	647.98	49.21	49.21
08:00-09:00	F	1	15.66	29.02	4.82	0.67	77.84	77.84	87.86	570.53	26.95	19.40	19.40
08:00-09:00	F	2	15.66	34.33	6.71	1.81	120.93	120.93	99.04	812.10	72.53	28.73	28.73
08:00-09:00	F	3	15.66	21.78	2.88	0.21	43.88	43.88	89.57	449.09	8.39	14.86	14.86
08:00-09:00	Ec	1	3.73	0.46	0.00	0.07	1.04	1.04	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Ec	2	3.73	2.36	0.34	0.24	8.26	8.26	34.96	300.15	9.73	10.06	10.06
08:00-09:00	Ec	3	3.73	2.38	0.35	0.25	8.38	8.38	34.81	301.40	10.00	10.11	10.11
08:00-09:00	Ex	1	7.46	0.65	0.03	0.08	1.50	1.50	7.90	43.26	3.25	1.51	1.51
08:00-09:00	Ex	2	7.46	0.23	0.00	0.02	0.30	0.30	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Fc	1	8.88	10.18	0.06	0.00	0.88	0.88	96.97	21.32	0.01	0.27	0.27
08:00-09:00	Fc	2	8.28	7.56	0.11	0.00	1.61	1.61	59.49	32.06	0.06	0.46	0.46
08:00-09:00	Fc	3	8.28	10.31	0.03	0.00	0.37	0.37	97.23	8.75	0.00	0.13	0.13
08:00-09:00	Fx	1	21.62	0.85	0.00	0.25	3.55	3.55	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Fx	2	21.62	1.34	0.00	0.53	7.54	7.54	1.53	0.11	21.64	0.71	0.71
08:00-09:00	Fx1	1	12.00	1.94	0.01	0.63	9.05	9.05	3.06	10.55	25.70	0.45	0.45
08:00-09:00	Fx1	2	12.00	2.72	0.06	0.91	13.87	13.87	15.34	124.89	73.65	2.49	2.49
08:00-09:00	G	1	5.67	141.33	5.15	18.45	335.04	167.52	195.36	570.67	560.45	36.73	7.35
08:00-09:00	G	2	5.67	43.26	5.14	2.57	109.54	54.77	105.66	577.25	101.09	22.03	4.41
08:00-09:00	G1	1	4.47	1.22	0.00	0.42	5.96	5.96	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Gc	1	7.83	0.59	0.01	0.06	0.92	0.92	2.46	7.40	2.41	0.14	0.14
08:00-09:00	Gc	2	7.83	1.98	0.02	0.48	7.05	7.05	4.99	25.44	19.55	0.65	0.65
08:00-09:00	Gc	3	7.83	0.75	0.01	0.09	1.51	1.51	5.64	25.06	3.74	0.42	0.42
08:00-09:00	Gx	1	4.18	0.15	0.00	0.01	0.18	0.18	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Gx	2	4.18	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

08:00-09:00	Gx1	1	1.49	0.20	0.00	0.02	0.29	0.29	0.00	0.00	0.00	0.00	0.00
08:00-09:00	H	1	7.16	135.22	5.43	19.10	348.28	348.28	191.69	620.63	587.97	39.25	39.25
08:00-09:00	H	2	7.16	133.41	5.81	20.09	367.84	367.84	190.54	664.29	621.49	41.75	41.75
08:00-09:00	H	3	7.16	22.29	0.14	0.00	2.02	2.02	68.28	15.68	0.02	0.51	0.51
08:00-09:00	I	1	4.47	72.31	1.68	1.42	43.92	17.57	129.41	146.51	52.78	6.47	0.00
08:00-09:00	I	2	4.47	46.01	1.73	0.37	29.77	11.91	100.96	150.84	14.74	5.38	0.00
08:00-09:00	H1	1	7.46	1.51	0.00	0.57	8.06	8.06	0.00	0.00	0.00	0.00	0.00
08:00-09:00	H1	2	7.46	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Hc	1	7.49	6.19	0.83	0.17	14.29	14.29	20.12	110.78	7.06	1.70	1.70
08:00-09:00	Hc	2	7.74	3.37	0.26	0.61	12.32	12.32	12.15	87.91	24.67	1.50	1.50
08:00-09:00	Hc	3	7.49	5.39	0.78	0.19	13.73	13.73	87.29	556.20	7.70	8.14	8.14
08:00-09:00	Hx	1	7.46	0.25	0.00	0.03	0.46	0.46	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Hx	2	7.46	0.17	0.00	0.02	0.27	0.27	0.00	0.00	0.00	0.00	0.00
08:00-09:00	I1	1	7.46	0.15	0.00	0.01	0.19	0.19	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Ic	1	7.27	1.32	0.07	0.26	4.70	4.70	3.24	18.53	10.75	0.42	0.42
08:00-09:00	Ic	2	7.27	2.52	0.13	0.80	13.14	13.14	5.00	33.62	32.37	0.95	0.95
08:00-09:00	Ic	3	7.27	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Ix	1	3.36	0.38	0.00	0.07	0.99	0.99	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Ix	2	3.36	0.28	0.00	0.05	0.64	0.64	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Ix1	1	1.12	4.78	1.23	0.42	23.38	23.38	54.53	642.66	33.91	21.97	21.97

Traffic Stream Results: Queues And Blocking

Time Segment	Arm	Traffic Stream	Initial Queue (PCU)	Mean Max Queue (PCU)	Max Queue Storage (PCU)	Utilised Storage (%)	Average Link Excess Queue (PCU)	Average Limit Excess Queue (PCU)	Excess Queue Penalty (£ per hr)	Max End Of Green Queue (PCU)	Max End Of Red Queue (PCU)	Wasted Time Starvation (s (per cycle))	Wasted Time Blocking Back (s (per cycle))	Wasted Time Total (s (per cycle))	Estimated Blocking
08:00-09:00	A	1	0.00	10.08	17.39	57.96	0.00	0.00	0.00	0.60	8.24	0.00	0.00	0.00	
08:00-09:00	A	2	0.00	20.35	26.09	78.02	0.00	0.00	0.00	4.45	14.05	0.00	0.00	0.00	
08:00-09:00	A	3	0.00	10.36	26.09	39.72	0.00	0.00	0.00	0.65	8.53	0.00	0.00	0.00	
08:00-09:00	A	4	0.00	32.48	26.09	124.49	0.86	0.00	0.00	13.78	25.70	0.00	0.00	0.00	
08:00-09:00	Ax1	1	0.00	6.84	3.48	196.78	0.16	0.00	0.00			19.00	8.00	27.00	
08:00-09:00	Ax1	2	0.00	36.24	3.48	1041.81	16.56	0.00	0.00			0.00	15.00	15.00	

08:00-09:00	**Ax2**	**1**	0.00	0.11	13.91	0.82	0.00	0.00	0.00			11.00	0.00	11.00	
08:00-09:00	**Ax2**	**2**	0.00	19.40	13.91	139.46	0.49	0.00	0.00			9.00	0.00	9.00	
08:00-09:00	**B**	**1**	0.00	0.93	5.22	17.77	0.00	0.00	0.00			0.00	32.00	32.00	
08:00-09:00	**B**	**2**	0.00	9.31	5.22	178.38	3.20	0.00	0.00			0.00	55.00	55.00	
08:00-09:00	**Bc1**	**1**	0.00	0.28	5.22	5.44	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	**Bc1**	**2**	0.00	0.96	5.22	18.38	0.00	0.00	0.00			0.00	32.00	32.00	
08:00-09:00	**Bc1**	**3**	0.00	0.17	5.22	3.19	0.00	0.00	0.00			17.00	0.00	17.00	
08:00-09:00	**Bc1**	**4**	0.00	0.40	5.22	7.63	0.00	0.00	0.00			13.00	42.00	55.00	
08:00-09:00	**C**	**1**	0.00	13.85	34.78	39.82	0.00	0.00	0.00	0.59	11.71	0.00	0.00	0.00	
08:00-09:00	**C**	**2**	0.00	13.76	34.78	39.57	0.00	0.00	0.00	0.58	11.63	0.00	0.00	0.00	
08:00-09:00	**Cx1**	**1**	0.00	39.30	17.39	225.97	6.25	0.00	0.00			10.00	0.00	10.00	
08:00-09:00	**D**	**1**	0.00	12.01	52.17	23.02	0.00	0.00	0.00	0.53	8.76	0.00	0.00	0.00	
08:00-09:00	**D**	**2**	0.00	12.89	52.17	24.71	0.00	0.00	0.00	0.53	9.39	0.00	13.00	13.00	
08:00-09:00	**D**	**3**	0.00	12.91	52.17	24.75	0.00	0.00	0.00	0.54	9.40	0.00	13.00	13.00	
08:00-09:00	**Ac**	**1**	0.00	6.03	7.00	86.12	0.00	0.00	0.00	0.15	5.26	0.00	0.00	0.00	
08:00-09:00	**Ac**	**2**	0.00	7.17	7.00	102.50	0.00	0.00	0.00	0.20	6.05	0.00	7.00	7.00	
08:00-09:00	**Ac**	**3**	0.00	5.33	7.00	76.13	0.00	0.00	0.00	0.15	4.45	12.00	11.00	23.00	
08:00-09:00	**Ax**	**1**	0.00	7.64	17.39	43.93	0.00	0.00	0.00	0.17	4.72	0.00	7.00	7.00	
08:00-09:00	**Ax**	**2**	0.00	17.61	17.39	101.24	0.00	0.00	0.00	0.45	7.70	0.00	64.00	64.00	
08:00-09:00	**Ax**	**3**	0.00	3.07	17.39	17.67	0.00	0.00	0.00	0.05	2.23	14.00	50.00	64.00	
08:00-09:00	**Bc**	**1**	0.00	8.50	17.39	48.85	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	**Bc**	**2**	0.00	18.12	17.39	104.21	0.04	0.30	0.00			1.00	0.00	1.00	
08:00-09:00	**Bc**	**3**	0.00	7.90	17.39	45.44	0.00	0.00	0.00			18.00	0.00	18.00	
08:00-09:00	**Bc**	**4**	0.00	20.05	17.39	115.26	0.16	0.54	0.00			14.00	0.00	14.00	
08:00-09:00	**Bx**	**1**	0.00	0.00	17.39	0.00	0.00	0.00	0.00			72.00	0.00	72.00	
08:00-09:00	**Cc**	**1**	0.00	11.19	6.00	186.48	0.63	0.63	37.53	0.77	7.19	0.00	19.00	19.00	
08:00-09:00	**Cc**	**2**	0.00	5.62	6.00	93.62	0.00	0.00	0.00	0.58	5.50	0.00	0.00	0.00	
08:00-09:00	**Cc**	**3**	0.00	18.18	6.00	303.02	2.73	2.73	163.68	4.16	10.07	0.00	0.00	0.00	
08:00-09:00	**Cx**	**1**	0.00	4.69	17.39	26.94	0.00	0.00	0.00	0.42	3.41	0.00	38.00	38.00	
08:00-09:00	**Cx**	**2**	0.00	1.61	17.39	9.27	0.00	0.00	0.00	0.07	1.35	0.00	38.00	38.00	

08:00-09:00	Dc	1	0.00	7.91	15.65	50.54	0.00	0.00	0.00	0.09	7.91	26.00	0.00	26.00	
08:00-09:00	Dc	2	0.00	9.60	15.65	61.36	0.00	0.00	0.00	0.36	7.38	0.00	0.00	0.00	
08:00-09:00	Dc	3	0.00	11.24	15.65	71.78	0.00	0.00	0.00	0.19	10.72	21.00	0.00	21.00	
08:00-09:00	Dx	1	0.00	18.08	9.74	185.67	1.03	0.00	0.00	1.39	3.09	2.00	0.00	2.00	
08:00-09:00	Dx	2	0.00	3.25	9.74	33.40	0.00	0.00	0.00	0.24	0.24	17.00	0.00	17.00	
08:00-09:00	Dx	3	0.00	3.17	9.74	32.55	0.00	0.00	0.00	0.24	0.24	16.00	0.00	16.00	
08:00-09:00	Dx1	1	0.00	0.33	43.48	0.75	0.00	0.00	0.00			6.00	0.00	6.00	
08:00-09:00	Dx1	2	0.00	38.27	43.48	88.01	0.00	0.00	0.00			21.00	0.00	21.00	
08:00-09:00	E	1	0.00	24.35	34.78	70.02	0.00	0.00	0.00			0.00	3.00	3.00	
08:00-09:00	E	2	0.00	41.39	34.78	118.99	1.02	0.00	0.00			0.00	1.00	1.00	
08:00-09:00	F	1	0.00	14.78	36.52	40.46	0.00	0.00	0.00	0.67	11.46	3.00	0.00	3.00	
08:00-09:00	F	2	0.00	21.72	36.52	59.47	0.00	0.00	0.00	1.81	15.96	0.00	0.00	0.00	
08:00-09:00	F	3	0.00	11.52	36.52	31.55	0.00	0.00	0.00	0.21	8.61	5.00	0.00	5.00	
08:00-09:00	Ec	1	0.00	0.07	8.70	0.84	0.00	0.00	0.00			29.00	0.00	29.00	
08:00-09:00	Ec	2	0.00	13.27	8.70	152.63	0.45	0.91	54.68			23.00	3.00	26.00	
08:00-09:00	Ec	3	0.00	13.30	8.70	152.94	0.45	0.91	54.87			23.00	0.00	23.00	
08:00-09:00	Ex	1	0.00	5.59	17.39	32.12	0.00	0.00	0.00			23.00	0.00	23.00	
08:00-09:00	Ex	2	0.00	0.02	17.39	0.12	0.00	0.00	0.00			43.00	0.00	43.00	
08:00-09:00	Fc	1	0.00	0.53	7.00	7.56	0.00	0.00	0.00	0.00	0.53	37.00	0.00	37.00	
08:00-09:00	Fc	2	0.00	0.79	7.00	11.34	0.00	0.00	0.00	0.00	0.79	26.00	0.00	26.00	
08:00-09:00	Fc	3	0.00	0.22	7.00	3.10	0.00	0.00	0.00	0.00	0.22	37.00	0.00	37.00	
08:00-09:00	Fx	1	0.00	0.25	50.43	0.50	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Fx	2	0.00	1.79	50.43	3.55	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Fx1	1	0.00	5.14	17.39	29.55	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Fx1	2	0.00	10.98	17.39	63.15	0.00	0.00	0.00			0.00	26.00	26.00	
08:00-09:00	G	1	0.00	32.44	13.22	245.44	12.23	0.00	0.00	18.45	28.74	0.00	0.00	0.00	
08:00-09:00	G	2	0.00	17.20	13.22	130.11	0.53	0.00	0.00	2.57	13.99	0.00	10.00	10.00	
08:00-09:00	G1	1	0.00	0.42	10.43	4.02	0.00	0.00	0.00			0.00	88.00	88.00	
08:00-09:00	Gc	1	0.00	0.36	7.00	5.16	0.00	0.00	0.00	0.06	0.36	7.00	0.00	7.00	
08:00-09:00	Gc	2	0.00	2.48	7.00	35.40	0.00	0.01	0.54	0.48	1.02	6.00	0.00	6.00	

08:00-09:00	Gc	3	0.00	2.09	7.00	29.80	0.00	0.00	0.10	0.09	0.63	12.00	5.00	17.00	
08:00-09:00	Gx	1	0.00	0.01	9.74	0.13	0.00	0.00	0.00			41.00	0.00	41.00	
08:00-09:00	Gx	2	0.00	0.00	9.74	0.00	0.00	0.00	0.00			71.00	0.00	71.00	
08:00-09:00	Gx1	1	0.00	0.02	3.48	0.58	0.00	0.00	0.00			27.00	0.00	27.00	
08:00-09:00	H	1	0.00	34.33	16.70	205.65	10.02	0.00	0.00	19.10	29.96	0.00	0.00	0.00	
08:00-09:00	H	2	0.00	36.40	16.70	218.03	11.55	0.00	0.00	20.09	31.72	0.00	0.00	0.00	
08:00-09:00	H	3	0.00	0.40	16.70	2.38	0.00	0.00	0.00	0.00	0.40	25.00	0.00	25.00	
08:00-09:00	I	1	0.00	5.09	10.43	48.82	0.00	0.00	0.00	1.42	4.84	0.00	0.00	0.00	
08:00-09:00	I	2	0.00	4.15	10.43	39.77	0.00	0.00	0.00	0.37	4.01	0.00	0.00	0.00	
08:00-09:00	H1	1	0.00	0.57	17.39	3.26	0.00	0.00	0.00			0.00	88.00	88.00	
08:00-09:00	H1	2	0.00	0.00	17.39	0.00	0.00	0.00	0.00			88.00	0.00	88.00	
08:00-09:00	Hc	1	0.00	2.97	7.00	42.48	0.00	0.00	0.00	0.17	2.68	0.00	0.00	0.00	
08:00-09:00	Hc	2	0.00	3.89	7.00	55.54	0.00	0.02	33.12	0.61	2.02	0.00	0.00	0.00	
08:00-09:00	Hc	3	0.00	15.75	7.00	225.05	1.20	2.17	4332.02	0.19	1.97	25.00	0.00	25.00	
08:00-09:00	Hx	1	0.00	0.03	17.39	0.19	0.00	0.00	0.00			9.00	0.00	9.00	
08:00-09:00	Hx	2	0.00	0.02	17.39	0.11	0.00	0.00	0.00			36.00	0.00	36.00	
08:00-09:00	I1	1	0.00	0.01	17.39	0.08	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Ic	1	0.00	0.72	7.00	10.29	0.00	0.00	0.00	0.26	0.72	15.00	0.00	15.00	
08:00-09:00	Ic	2	0.00	1.62	7.00	23.16	0.00	0.00	0.00	0.80	1.62	14.00	0.00	14.00	
08:00-09:00	Ic	3	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	65.00	0.00	65.00	
08:00-09:00	Ix	1	0.00	0.07	7.83	0.89	0.00	0.00	0.00			3.00	35.00	38.00	
08:00-09:00	Ix	2	0.00	0.05	7.83	0.58	0.00	0.00	0.00			33.00	25.00	58.00	
08:00-09:00	Ix1	1	0.00	20.97	2.61	804.01	4.60	0.00	0.00			2.00	0.00	2.00	

Traffic Stream Results: Flare

Time Segment	Arm	Traffic Stream	Flare Present	Flare Components	Degree Of Saturation (%)	Mean Max Queue (PCU)	Calculated Capacity (PCU/hr)	Practical Reserve Capacity (%)
08:00-09:00	C	1	✓	Quick Flare	65	13.85	1084	39
08:00-09:00	C	2	✓	Quick Flare	64	13.76	1084	40
08:00-09:00	G	2	✓	Quick Flare	86	17.20	743	4
08:00-09:00	I	2	✓	Quick Flare	57	4.15	289	58

Traffic Stream Results: Advanced

Time Segment	Arm	Traffic Stream	Degree Of Saturation Penalty (£ per hr)	Phase Min Max Penalty (£ per hr)	Intergreen Broken Penalty (£ per hr)	Stage Constraint Broken Penalty (£ per hr)	Ped Gap Accepting Penalty (£ per hr)	Warmed Up	Warmed Up Error	Mean Max Queue EoTS (PCU)	Max End Of Green Queue Eo TS (PCU)	Max End Of Red Queue Eo TS (PCU)	Cost Of Penalties (£ per hr)	Unweighted Performance Index (£ per hr)	Perform Index (£ hr)
08:00-09:00	A	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.08	0.60	8.24	0.00	69.93	26.9
08:00-09:00	A	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	20.68	4.77	14.38	0.00	145.13	56.1
08:00-09:00	A	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.36	0.65	8.53	0.00	69.40	26.7
08:00-09:00	A	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	38.57	19.87	31.79	0.00	306.18	119.
08:00-09:00	Ax1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.84			0.00	2.94	2.9
08:00-09:00	Ax1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	36.25			0.00	100.84	100.
08:00-09:00	Ax2	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.11			0.00	1.63	1.6
08:00-09:00	Ax2	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	19.41			0.00	35.27	35.2
08:00-09:00	B	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.93			0.00	5.00	5.0
08:00-09:00	B	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	15.10			0.00	124.02	124.
08:00-09:00	Bc1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.28			0.00	4.03	4.0
08:00-09:00	Bc1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.96			0.00	13.62	13.6
08:00-09:00	Bc1	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.17			0.00	2.36	2.3
08:00-09:00	Bc1	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.40			0.00	5.65	5.6
08:00-09:00	C	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	13.85	0.59	11.71	0.00	101.47	28.0
08:00-09:00	C	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	13.77	0.58	11.63	0.00	100.65	27.8
08:00-09:00	Cx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	39.33			0.00	88.85	88.8
08:00-09:00	D	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	12.01	0.53	8.76	0.00	78.73	20.8
08:00-09:00	D	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	12.89	0.54	9.39	0.00	84.26	22.2
08:00-09:00	D	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	12.92	0.54	9.41	0.00	84.47	22.3
08:00-09:00	Ac	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.03	0.15	5.26	0.00	32.40	32.4
08:00-09:00	Ac	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.18	0.20	6.05	0.00	37.50	37.5
08:00-09:00	Ac	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.33	0.15	4.45	0.00	22.63	22.6
08:00-09:00	Ax	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.64	0.17	4.72	0.00	29.55	29.5
08:00-09:00	Ax	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	17.61	0.45	7.70	0.00	75.07	75.0
08:00-09:00	Ax	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.07	0.05	2.23	0.00	9.61	9.6

08:00-09:00	Bc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	8.50			0.00	10.85	10.8
08:00-09:00	Bc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	18.13			0.00	38.56	38.5
08:00-09:00	Bc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.90			0.00	5.32	5.3
08:00-09:00	Bc	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	20.05			0.00	32.22	32.2
08:00-09:00	Bx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.00			0.00	0.00	0.0
08:00-09:00	Cc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	11.19	0.78	7.19	37.53	54.67	92.2
08:00-09:00	Cc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.62	0.59	5.50	0.00	38.62	38.6
08:00-09:00	Cc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	18.36	4.34	10.24	163.68	107.22	270.
08:00-09:00	Cx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.69	0.42	3.41	0.00	21.04	21.0
08:00-09:00	Cx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.61	0.07	1.35	0.00	5.92	5.9
08:00-09:00	Dc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.91	0.09	7.91	0.00	56.77	567.
08:00-09:00	Dc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.60	0.36	7.39	0.00	58.92	58.9
08:00-09:00	Dc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	11.24	0.19	10.72	0.00	82.31	82.3
08:00-09:00	Dx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	18.09	1.40	3.10	0.00	66.62	66.6
08:00-09:00	Dx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.25	0.24	0.24	0.00	4.42	4.4
08:00-09:00	Dx	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.17	0.24	0.24	0.00	4.20	4.2
08:00-09:00	Dx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.33			0.00	4.64	4.6
08:00-09:00	Dx1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	38.27			0.00	127.16	127.
08:00-09:00	E	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	32.21			0.00	248.59	116.
08:00-09:00	E	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	52.94			0.00	387.45	184.
08:00-09:00	F	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	14.78	0.67	11.46	0.00	97.25	97.2
08:00-09:00	F	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	21.74	1.83	15.98	0.00	149.66	149.
08:00-09:00	F	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	11.52	0.21	8.61	0.00	58.73	58.7
08:00-09:00	Ec	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.07			0.00	1.04	1.0
08:00-09:00	Ec	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	13.27			54.68	18.33	73.0
08:00-09:00	Ec	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	13.30			54.87	18.49	73.3
08:00-09:00	Ex	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.59			0.00	3.01	3.0
08:00-09:00	Ex	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.02			0.00	0.30	0.3
08:00-09:00	Fc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.53	0.00	0.53	0.00	1.15	1.1
08:00-09:00	Fc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.79	0.00	0.79	0.00	2.07	2.0

08:00-09:00	Fc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.22	0.00	0.22	0.00	0.49	0.4
08:00-09:00	Fx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.25			0.00	3.55	3.5
08:00-09:00	Fx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.79			0.00	8.25	8.2
08:00-09:00	Fx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.14			0.00	9.50	9.5
08:00-09:00	Fx1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.99			0.00	16.36	16.3
08:00-09:00	G	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	45.03	31.04	41.33	0.00	371.78	174.
08:00-09:00	G	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	17.28	2.66	14.07	0.00	131.57	59.1
08:00-09:00	G1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.42			0.00	5.96	5.9
08:00-09:00	Gc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.36	0.06	0.36	0.00	1.06	1.0
08:00-09:00	Gc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.48	0.48	1.02	0.54	7.70	8.2
08:00-09:00	Gc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.09	0.09	0.63	0.10	1.93	2.0
08:00-09:00	Gx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.01			0.00	0.18	0.1
08:00-09:00	Gx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.00			0.00	0.00	0.0
08:00-09:00	Gx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.02			0.00	0.29	0.2
08:00-09:00	H	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	47.28	32.04	42.90	0.00	387.53	387.
08:00-09:00	H	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	50.17	33.86	45.48	0.00	409.60	409.
08:00-09:00	H	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.40	0.00	0.40	0.00	2.53	2.5
08:00-09:00	I	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.17	1.49	4.91	0.00	50.39	17.5
08:00-09:00	I	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.15	0.37	4.02	0.00	35.14	11.9
08:00-09:00	H1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.57			0.00	8.06	8.0
08:00-09:00	H1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.00			0.00	0.00	0.0
08:00-09:00	Hc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.97	0.17	2.68	0.00	16.00	16.0
08:00-09:00	Hc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.89	0.61	2.02	33.12	13.82	46.9
08:00-09:00	Hc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	15.75	0.19	1.97	4332.02	21.87	4353.
08:00-09:00	Hx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.03			0.00	0.46	0.4
08:00-09:00	Hx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.02			0.00	0.27	0.2
08:00-09:00	I1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.01			0.00	0.19	0.1
08:00-09:00	Ic	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.72	0.26	0.72	0.00	5.12	5.1
08:00-09:00	Ic	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.62	0.80	1.62	0.00	14.09	14.0
08:00-09:00	Ic	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.00	0.00	0.00	0.00	0.00	0.0

08:00-09:00	Ix	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.07			0.00	0.99	0.9
08:00-09:00	Ix	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.05			0.00	0.64	0.6
08:00-09:00	Ix1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	20.97			0.00	45.35	45.3

Network Results

Run Summary

Analysis Set Used	Run Start Time	Run Finish Time	Modelling Start Time (HH:mm)	Network Cycle Time (s)	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	Netw Wit Capa
A1 - 2031 AM Scenario 3	26/06/2014 16:22:56	26/06/2014 16:25:23	08:00	88	235.13	114.71	B/2	9	10	G/1	B/2	B/2	

Network Results: Vehicle Summary

Time Segment	Degree Of Saturation (%)	Practical Reserve Capacity (%)	Calculated Flow Entering (PCU/hr)	Actual Green (s (per cycle))	Mean Delay Per PCU (s)	Weighted Cost Of Delay (£ per hr)	Weighted Cost Of Stops (£ per hr)	Performance Index (£ per hr)
08:00-09:00	115!	-22	59188	5577	14.30	3015.28	771.95	4131.76

Network Results: Pedestrian Summary

Time Segment	Degree Of Saturation (%)	Calculated Flow Entering (Ped/hr)	Actual Green (s (per cycle))	Mean Delay Per Ped (s)	Weighted Cost Of Delay (£ per hr)	Performance Index (£ per hr)
08:00-09:00	115!	0	0	0.00	0.00	0.00

Network Results: Flows And Signals

Time Segment	Calculated Flow Entering (PCU/hr)	Calculated Flow Out (PCU/hr)	Flow Discrepancy (PCU/hr)	Adjusted Flow Warning	Degree Of Saturation (%)	DOS Threshold Exceeded	Practical Reserve Capacity (%)	Actual Green (s (per cycle))	Effective Green (s (per cycle))
08:00-09:00	59188	59081	660	✓	115!	✓	-22	5577	5618

Network Results: Stops And Delays

Time Segment	Mean Cruise Time Per PCU (s)	Mean Delay Per PCU (s)	Uniform Delay (PCU-hr/hr)	Random Plus Oversat Delay (PCU-hr/hr)	Unweighted Cost Of Delay (£ per hr)	Weighted Cost Of Delay (£ per hr)	Mean Stops Per PCU (%)	Uniform Stops (Stops per hr)	Random Stops (Stops per hr)	Unweighted Cost Of Stops (£ per hr)	Weighted Cost Of Stops (£ per hr)
08:00-09:00	7.96	14.30	101.65	133.48	3338.84	3015.28	41.45	19853.23	4465.34	870.55	771.95

Network Results: Queues And Blocking

Time Segment	Max Queue Storage (PCU)	Excess Queue Penalty (£ per hr)	Wasted Time Starvation (s (per cycle))	Wasted Time Blocking Back (s (per cycle))	Wasted Time Total (s (per cycle))
08:00-09:00	1353.39	344.52	1022.00	728.00	1750.00

Network Results: Journey Times

Time Segment	Distance Travelled (PCU-km/hr)	Time Spent (PCU-hr/hr)	Mean Journey Speed (kph)
08:00-09:00	6286.93	365.95	17.18

TRANSYT 15

Version: 15.0.1.2976 []

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Last run: 26/06/2014 16:00:48
Analysis Set used for last run: A2 - 2031 PM Scenario 3

Filename: Option 4 with AM-PM Scenario 3 Rev 2.t15
Path: F:\TEM\Project\BCC - Peddimore Access Modelling\3. EXECUTION\Modelling\Scenario 3
Report generation date: 26/06/2014 16:05:40

File summary

File Description

Title	A38 Peddimore Lane Junction - Minworth roundabout
Location	Birmingham
Site Number	
UTCRegion	
Driving Side	Left
Date	02/03/2014
Version	
Status	Proposed Option
Identifier	
Client	Birmingham City Council
Jobnumber	60316941
Enumerator	EU\vuppalas
Description	2031 SC3 - Peddimore Lane junction flows tested in preferred Option Model for Minworth roundabout

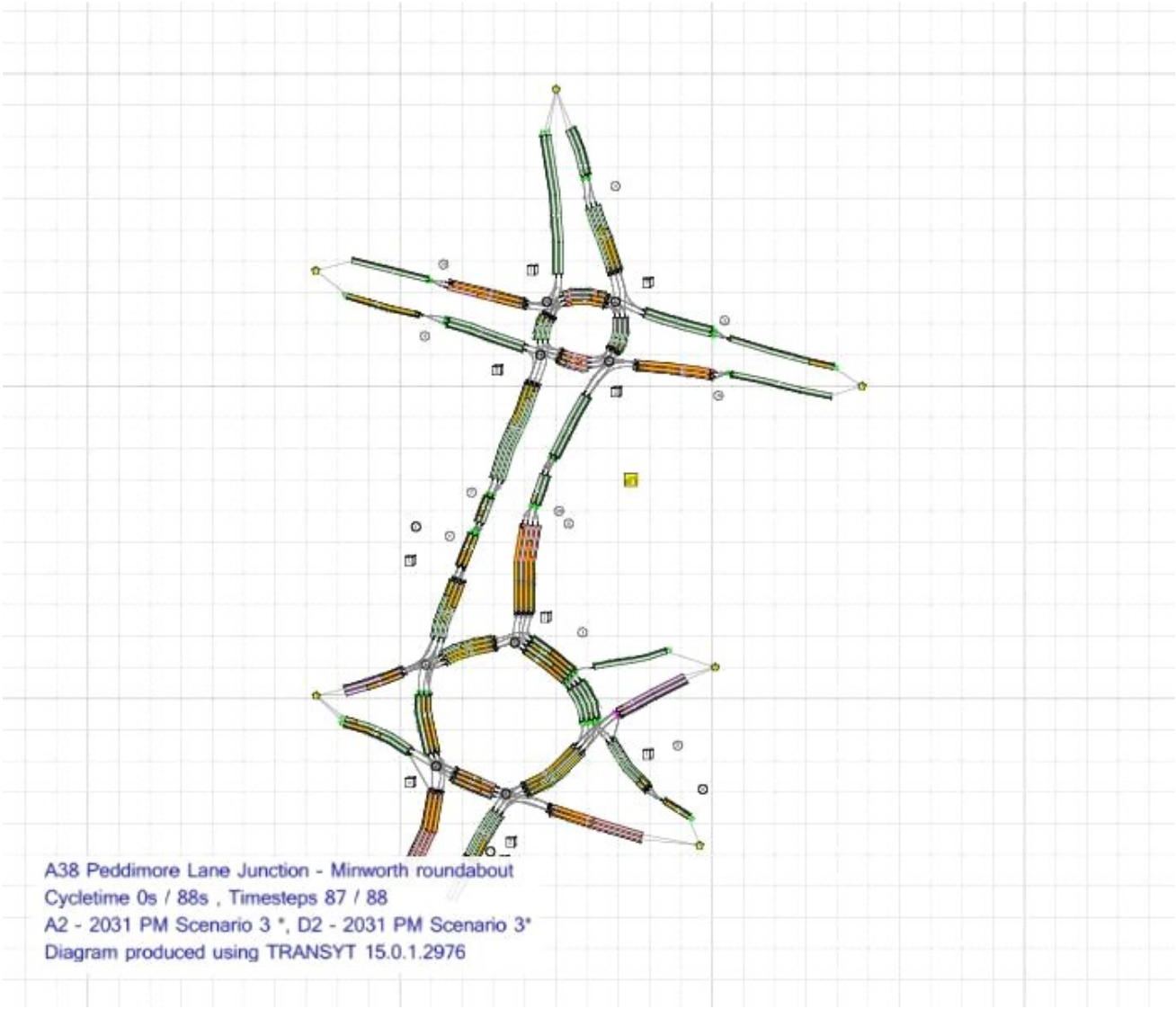
Units

Cost Units	Speed Units	Distance Units	Fuel Economy Units	Fuel Rate Units	Mass Units	Flow Units	Average Delay Units	Total Delay Units	Rate Of Delay Units
£	kph	m	mpg	l/h	kg	perHour	s	-Hour	perHour

Sorting

Show Names Instead of IDs (For Aimsun)	Sorting Direction	Sorting Type	Ignore Prefixes When Sorting	Link Grouping	Source Grouping
	Ascending	Numerical		Normal	Normal

Network Diagrams



A2 - 2031 PM Scenario 3 *: D2 - 2031 PM Scenario 3*

Summary

Data Errors and Warnings

No errors or warnings

Run Summary

Analysis Set Used	Run Start Time	Run Finish Time	Modelling Start Time (HH:mm)	Network Cycle Time (s)	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	Netw Wit Capa
A2 - 2031 PM Scenario 3	26/06/2014 15:58:27	26/06/2014 16:00:48	17:00	88	146.21	101.21	A/4	6	7	A/4	Ax1/2	A/4	

Analysis Set Details

Name	Description	Demand Set	Include In Report	Locked
2031 PM Scenario 3		D2	✓	

Demand Set Details

Demand Set	Name	Description	Composite	Demand Sets	Start Time (HH:mm)	Locked
D2	2031 PM Scenario 3				17:00	

Network Options

Network Timings

Network Cycle Time (s)	Restrict To SCOOT Cycle Times	Time Segment Length (min)	Number Of Time Segments	Modelled Time Period (min)
88		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 (£)
10000.00	10000.00	10000.00

Traffic Options

Traffic Model	Vehicle Flow Scaling Factor (%)	Pedestrian Flow Scaling Factor (%)	Cruise Times Or Speeds
Force To PDM	100	100	Cruise Speeds

Advanced

Resolution	DOS Threshold (%)	Cruise Scaling Factor (%)	Use Link Stop Weightings	Use Link Delay Weightings	Exclude Pedestrian Links	Random Delay Mode	Type of Vehicle-in-Service	Type Of Random Parameter	PCU Length (m)	Calculate results for Path Segments
1	90	100	✓	✓		Complex	Uniform (TRANSYT)	Uniform (TRANSYT)	5.75	

Normal Parameters

Dispersal Type	Dispersal Coefficient	Travel Time Coefficient
Default	35	80

Bus Parameters

Dispersion Coefficient1	Dispersion Coefficient2	Acceleration (ms^[-2])	Travel Time Coefficient1	Travel Time Coefficient2
70	15	0.47	30	85

Tram Parameters

Dispersion Coefficient1	Dispersion Coefficient2	Acceleration (ms^[-2])	Travel Time Coefficient1	Travel Time Coefficient2
0	0	0.47	100	100

Pedestrian Parameters

Dispersal Type	Dispersal Coefficient	Travel Time Coefficient
Default	35	80

Optimisation Options

Enable Optimisation	Auto Redistribute	Optimisation Level	Enable Out Profile Accuracy
✓		Offsets Only	✓

Advanced

Optimisation Type	Hill Climb Increments	OUTProfile Accuracy	Use Enhanced Optimisation	Auto Optimisation Order	Optimisation Order
Hill Climb (Fast)	15,40,15,40,15,1,1	50,50,5,5,0.5,0.05,0.05		✓	2,1,3,5,6,7,8,9,10,11

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

ID	Name	Description
1	A38 N	
2	Lindridge Drive	
3	A4097 Kinsbury Road	
4	A38 S	
5	Wamley Ash Road	
6	Lindridge Drive Circulatory	
7	A38 South Exit	
8	A38 North Exit	
9	A4097 Kingsbury Road Exit	
10	A38 NB	
11	Dev Access	
12	A38 South bound	
13	Peddimore	
14	Dev Access	
15	A38 Southbound	
16	Peddimore	
17	A38 North Exit	
18	Dev Access Exit	
19	Peddimore	
20	A30 Southbound Exit	
21	(untitled)	
22	(untitled)	

Arms and Traffic Streams

Arms

Arm	Name	Description	Traffic Node
A	A38 North		1
Ac	A38 North Circulatory		1
Ax	A38 North Exit		8
Ax1	(untitled)		21
Ax2	A38 North Exit		17
B	Lindridge Drive		2
C	A4097 Kingsbury Road		3
Bc	Lindridge Drive Circulatory		6
Bc1	Lindridge Drive Circulatory 2		2
Bx	Lindridge drive Exit		
Cc	A4097 Kingsbury Road Circulatory		3
Cx	A4097 Kinsbury Road Exit		9
Cx1	A4097 Kingsbury Road Exit		
D	A38 South		4
E	Wamley Ash Road		5
F	A38 South Entry		10
G	Dev Access Entry		11
H	A38 North Entry		12
I	Peddimore Entry		13
Dc	A38 South Circulatory		4
Dx	A38 South Exit		7
Dx1	A38 South Exit		
Ec	Wamley Ash Road Circulatory		5
Ex	Wamley Ash Road Exit		
Fc	A38 South Circulatory		10
Fx	A38 South Exit		20
Fx1	(untitled)		22
G1	Dev Access Entry 1		14
Gc	Dev access Circulatory		11
Gx	Dev Access exit		18
Gx1	Dev Access Exit 1		
H1	A38 North Entry		15
Hc	A38 North Circulatory		12
Hx	A38 North Exit		
I1	Peddimore Entry 1		16
Ic	Peddimore Circulatory		13
Ix	Peddimore Exit		19
Ix1	Peddimore Exit		

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto Length	Length (m)	Has Restricted Flow	Saturation Flow Source	Saturation Flow (PCU/hr)	Is Signal Controlled	Is Give Way	Traffic Type
A	1	(untitled)			100.00	✓	SumOfLanes	2128	✓		Normal
A	2	(untitled)			150.00	✓	SumOfLanes	2279	✓		Normal
A	3	A38 North Entry			150.00	✓	SumOfLanes	2279	✓		Normal
A	4	(untitled)			150.00	✓	SumOfLanes	2279	✓		Normal

Ax1	**1**	(untitled)			20.00	✓	SumOfLanes	1800			Normal
Ax1	**2**	(untitled)			20.00	✓	SumOfLanes	1800			Normal
Ax2	**1**	A38 North Exit			80.00	✓	SumOfLanes	1800			Normal
Ax2	**2**	A38 North Exit			80.00	✓	SumOfLanes	1800			Normal
B	**1**	(untitled)			30.00					✓	Normal
B	**2**	(untitled)			30.00					✓	Normal
Bc1	**1**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
Bc1	**2**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
Bc1	**3**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
Bc1	**4**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
C	**1**	(untitled)			200.00	✓	SumOfLanes	2263	✓		Normal
C	**2**	(untitled)			200.00	✓	SumOfLanes	2263	✓		Normal
Cx1	**1**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
D	**1**	(untitled)			300.00	✓	SumOfLanes	2159	✓		Normal
D	**2**	(untitled)			300.00	✓	SumOfLanes	2317	✓		Normal
D	**3**	(untitled)			300.00	✓	SumOfLanes	2317	✓		Normal
Ac	**1**	(untitled)			54.00	✓	SumOfLanes	2112	✓		Normal
Ac	**2**	(untitled)			54.00	✓	SumOfLanes	2263	✓		Normal
Ac	**3**	(untitled)			54.00	✓	SumOfLanes	2263	✓		Normal
Ax	**1**	(untitled)			100.00	✓	SumOfLanes	1965	✓		Normal
Ax	**2**	(untitled)			100.00	✓	SumOfLanes	2105	✓		Normal
Ax	**3**	(untitled)			100.00	✓	SumOfLanes	2105	✓		Normal
Bc	**1**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc	**2**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc	**3**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc	**4**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bx	**1**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Cc	**1**	(untitled)			65.00	✓	SumOfLanes	2059	✓		Normal
Cc	**2**	(untitled)			65.00	✓	SumOfLanes	2209	✓		Normal
Cc	**3**	(untitled)			65.00	✓	SumOfLanes	2181	✓		Normal
Cx	**1**	A4097 Kinsbury Road Exit			100.00	✓	SumOfLanes	2120	✓		Normal
Cx	**2**	A4097 Kinsbury Road Exit			100.00	✓	SumOfLanes	2120	✓		Normal
Dc	**1**	(untitled)			90.00	✓	SumOfLanes	2059	✓		Normal
Dc	**2**	(untitled)			90.00	✓	SumOfLanes	2172	✓		Normal
Dc	**3**	(untitled)			90.00	✓	SumOfLanes	2185	✓		Normal
Dx	**1**	(untitled)			56.00	✓	SumOfLanes	1915	✓		Normal
Dx	**2**	(untitled)			56.00	✓	SumOfLanes	2055	✓		Normal
Dx	**3**	(untitled)			56.00	✓	SumOfLanes	2055	✓		Normal
Dx1	**1**	A38 South Exit			250.00	✓	SumOfLanes	2155			Normal
Dx1	**2**	A38 South Exit			250.00	✓	SumOfLanes	2155			Normal
E	**1**	(untitled)			200.00					✓	Normal
E	**2**	(untitled)			200.00					✓	Normal
F	**1**	(untitled)			210.00	✓	SumOfLanes	2134	✓		Normal
F	**2**	(untitled)			210.00	✓	SumOfLanes	2284	✓		Normal
F	**3**	(untitled)			210.00	✓	SumOfLanes	2284	✓		Normal
Ec	**1**	(untitled)			50.00	✓	SumOfLanes	1800			Normal

Ec	2	(untitled)			50.00	✓	SumOfLanes	1800			Normal
Ec	3	(untitled)			50.00	✓	SumOfLanes	1800			Normal
Ex	1	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Ex	2	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Fc	1	(untitled)			74.00	✓	SumOfLanes	2166	✓		Normal
Fc	2	(untitled)			74.00	✓	SumOfLanes	2317	✓		Normal
Fc	3	(untitled)			74.00	✓	SumOfLanes	2317	✓		Normal
Fx	1	(untitled)			290.00	✓	SumOfLanes	2112			Normal
Fx	2	(untitled)			290.00	✓	SumOfLanes	2263			Normal
Fx1	1	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Fx1	2	(untitled)			100.00	✓	SumOfLanes	1800			Normal
G	1	(untitled)			76.00	✓	SumOfLanes	2123	✓		Normal
G	2	(untitled)			76.00	✓	SumOfLanes	2274	✓		Normal
G1	1	(untitled)			60.00	✓	SumOfLanes	2112			Normal
Gc	1	(untitled)			70.00	✓	SumOfLanes	2166	✓		Normal
Gc	2	(untitled)			70.00	✓	SumOfLanes	2317	✓		Normal
Gc	3	(untitled)			70.00	✓	SumOfLanes	2317	✓		Normal
Gx	1	(untitled)			56.00	✓	SumOfLanes	2112			Normal, Bus, Tram
Gx	2	(untitled)			56.00	✓	SumOfLanes	2263			Normal, Bus, Tram
Gx1	1	(untitled)			20.00	✓	SumOfLanes	1965			Normal, Bus, Tram
H	1	(untitled)			96.00	✓	SumOfLanes	2134	✓		Normal
H	2	(untitled)			96.00	✓	SumOfLanes	2284	✓		Normal
H	3	(untitled)			96.00	✓	SumOfLanes	2284	✓		Normal
I	1	(untitled)			60.00	✓	SumOfLanes	2123	✓		Normal
I	2	(untitled)			60.00	✓	SumOfLanes	2274	✓		Normal
H1	1	(untitled)			100.00	✓	SumOfLanes	2112			Normal
H1	2	(untitled)			100.00	✓	SumOfLanes	2263			Normal
Hc	1	(untitled)			67.00	✓	SumOfLanes	2166	✓		Normal
Hc	2	(untitled)			67.00	✓	SumOfLanes	2317	✓		Normal
Hc	3	(untitled)			67.00	✓	SumOfLanes	2317	✓		Normal
Hx	1	(untitled)			100.00	✓	SumOfLanes	2112			Normal
Hx	2	(untitled)			100.00	✓	SumOfLanes	2263			Normal
I1	1	(untitled)			100.00	✓	SumOfLanes	2112			Normal
Ic	1	(untitled)			65.00	✓	SumOfLanes	2166	✓		Normal
Ic	2	(untitled)			65.00	✓	SumOfLanes	2317	✓		Normal
Ic	3	(untitled)			65.00	✓	SumOfLanes	2317	✓		Normal
Ix	1	(untitled)			45.00	✓	SumOfLanes	2112			Normal, Bus, Tram
Ix	2	(untitled)			45.00	✓	SumOfLanes	2263			Normal, Bus, Tram
Ix1	1	(untitled)			15.00	✓	SumOfLanes	2112			Normal, Bus, Tram

Lanes

Arm	Traffic Stream	Lane	Name	Description	Use RR67	Surface Condition	Site Quality Factor	Gradient (%)	Width (m)	Use Connector Turning Radius	Proportion That Turn (%)	Turning Radius (m)	Nearside Lane	Saturation Flow (PCU/hr)
A	1	2	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00	✓	2128

A	**2**	**1**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
A	**3**	**3**	(untitled)		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
A	**4**	**2**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
Ax1	**1**	**1**	(untitled)											1800
Ax1	**2**	**1**	(untitled)											1800
Ax2	**1**	**1**	(untitled)											1800
Ax2	**2**	**1**	(untitled)											1800
B	**1**	**1**	Lindridge Drive Entry											
B	**2**	**2**	Lindridge Drive Entry											
Bc1	**1**	**2**	Lindridge Drive Circulatory											1800
Bc1	**2**	**1**	Lindridge Drive Circulatory											1800
Bc1	**3**	**3**	Lindridge Drive Circulatory											1800
Bc1	**4**	**3**	Lindridge Drive Circulatory											1800
C	**1**	**1**	A4097 Kingsbury Road Entry		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
C	**2**	**2**	A4097 Kingsbury Road Entry		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Cx1	**1**	**1**	(untitled)											1800
D	**1**	**2**	A38 South Entry		✓	N/A	Clearly Good	0	4.00		10	42.00	✓	2159
D	**2**	**1**	A38 South Entry		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
D	**3**	**3**	A38 South Entry		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
Ac	**1**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Ac	**2**	**2**	A38 North Circulatory		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Ac	**3**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Ax	**1**	**2**	A38 North Exit		✓	N/A	N/A	0	3.50		0	10.00	✓	1965
Ax	**2**	**1**	A38 North Exit		✓	N/A	N/A	0	3.50		0	10.00		2105
Ax	**3**	**1**	A38 North Exit		✓	N/A	N/A	0	3.50		0	10.00		2105
Bc	**1**	**2**	Lindridge Drive Circulatory											1800
Bc	**2**	**1**	Lindridge Drive Circulatory											1800
Bc	**3**	**3**	Lindridge Drive Circulatory											1800

Bc	**4**	**3**	Lindridge Drive Circulatory										1800
Bx	**1**	**2**	Lindridge drive Exit										1800
Cc	**1**	**1**	A4097 Kingsbury Road Circulatory		✓	N/A	Clearly Good	0	3.00		0	10.00	✓	2059
Cc	**2**	**2**	A4097 Kingsbury Road Circulatory		✓	N/A	Clearly Good	0	3.00		0	10.00		2209
Cc	**3**	**2**	A4097 Kingsbury Road Circulatory		✓	N/A	Clearly Good	0	3.00		43	50.00		2181
Cx	**1**	**2**	A4097 Kinsbury Road Exit		✓	N/A	N/A	0	3.65		0	10.00		2120
Cx	**2**	**3**	A4097 Kinsbury Road Exit		✓	N/A	N/A	0	3.65		0	10.00		2120
Dc	**1**	**2**	A38 South Circulatory		✓	N/A	Clearly Good	0	3.00		0	10.00	✓	2059
Dc	**2**	**1**	A38 South Circulatory		✓	N/A	Clearly Good	0	3.00		56	49.00		2172
Dc	**3**	**1**	A38 South Circulatory		✓	N/A	Clearly Good	0	3.00		35	49.00		2185
Dx	**1**	**1**	A38 South Exit		✓	N/A	N/A	0	3.00		0	10.00	✓	1915
Dx	**2**	**2**	A38 South Exit		✓	N/A	N/A	0	3.00		0	10.00		2055
Dx	**3**	**2**	A38 South Exit		✓	N/A	N/A	0	3.00		0	10.00		2055
Dx1	**1**	**1**	(untitled)		✓	N/A	N/A	0	4.00		0	10.00		2155
Dx1	**2**	**1**	(untitled)		✓	N/A	N/A	0	4.00		0	10.00		2155
E	**1**	**3**	(untitled)											
E	**2**	**3**	(untitled)											
F	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.70		0	10.00	✓	2134
F	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.70		0	10.00		2284
F	**3**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.70		0	10.00		2284
Ec	**1**	**2**	Wamley Ash Road Circulatory											1800
Ec	**2**	**1**	Wamley Ash Road Circulatory											1800
Ec	**3**	**3**	(untitled)											1800
Ex	**1**	**1**	Wamley Ash Road Exit											1800
Ex	**2**	**2**	Wamley Ash Road Exit											1800
Fc	**1**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00	✓	2166

Fc	**2**	**2**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
Fc	**3**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
Fx	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Fx	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Fx1	**1**	**1**	(untitled)											1800
Fx1	**2**	**1**	(untitled)											1800
G	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.60		0	10.00	✓	2123
G	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.60		0	10.00		2274
G1	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Gc	**1**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00	✓	2166
Gc	**2**	**2**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
Gc	**3**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
Gx	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Gx	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Gx1	**1**	**2**	A38 North Exit		✓	N/A	N/A	0	3.50		0	10.00	✓	1965
H	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.70		0	10.00	✓	2134
H	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.70		0	10.00		2284
H	**3**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.70		0	10.00		2284
I	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.60		0	10.00	✓	2123
I	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.60		0	10.00		2274
H1	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
H1	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Hc	**1**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00	✓	2166
Hc	**2**	**2**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
Hc	**3**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
Hx	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Hx	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
I1	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Ic	**1**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00	✓	2166
Ic	**2**	**2**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
Ic	**3**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	4.00		0	10.00		2317

Ix	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Ix	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Ix1	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112

Modelling

Arm	Traffic Stream	Traffic Model	Stop Weighting Multiplier (%)	Delay Weighting Multiplier (%)	Exclude From Results Calculation	Max Queue Storage (PCU)	Has Queue Limit	Queue Limit (PCU)	Excess Queue Penalty (£)	Has Degree Of Saturation Limit
A	**1**	[Forced to PDM]	20	40	✓	0.00				
A	**2**	[Forced to PDM]	20	40	✓	0.00				
A	**3**	[Forced to PDM]	20	40	✓	0.00				
A	**4**	[Forced to PDM]	20	40	✓	0.00				
Ax1	**1**	[Forced to PDM]	100	100		0.00				
Ax1	**2**	[Forced to PDM]	100	100		0.00				
Ax2	**1**	[Forced to PDM]	100	100		0.00				
Ax2	**2**	[Forced to PDM]	100	100		0.00				
B	**1**	[Forced to PDM]	100	100		0.00				
B	**2**	[Forced to PDM]	100	100		0.00				
Bc1	**1**	[Forced to PDM]	100	100		0.00	✓	5	0.00	
Bc1	**2**	[Forced to PDM]	100	100		0.00	✓	5	0.00	
Bc1	**3**	[Forced to PDM]	100	100		0.00	✓	5	0.00	
Bc1	**4**	[Forced to PDM]	100	100		0.00	✓	5	0.00	
C	**1**	[Forced to PDM]	0	40		0.00				
C	**2**	[Forced to PDM]	0	40		0.00				
Cx1	**1**	[Forced to PDM]	100	100		0.00				
D	**1**	[Forced to PDM]	0	40		0.00				
D	**2**	[Forced to PDM]	0	40		0.00				
D	**3**	[Forced to PDM]	0	40		0.00				
Ac	**1**	[Forced to PDM]	100	100		7.00	✓	7	80.00	
Ac	**2**	[Forced to PDM]	100	100		7.00	✓	7	0.00	
Ac	**3**	[Forced to PDM]	100	100		7.00	✓	7	0.00	
Ax	**1**	[Forced to PDM]	100	100		0.00				

Ax	**2**	[Forced to PDM]	100	100		0.00				
Ax	**3**	[Forced to PDM]	100	100		0.00				
Bc	**1**	[Forced to PDM]	100	100		0.00	✓	15	0.00	
Bc	**2**	[Forced to PDM]	100	100		0.00	✓	15	0.00	
Bc	**3**	[Forced to PDM]	100	100		0.00	✓	15	0.00	
Bc	**4**	[Forced to PDM]	100	100		0.00	✓	15	0.00	
Bx	**1**	[Forced to PDM]	100	100		0.00				
Cc	**1**	[Forced to PDM]	100	100		6.00	✓	6	60.00	
Cc	**2**	[Forced to PDM]	100	100		6.00	✓	6	60.00	
Cc	**3**	[Forced to PDM]	100	100		6.00	✓	6	60.00	
Cx	**1**	[Forced to PDM]	100	100		0.00				
Cx	**2**	[Forced to PDM]	100	100		0.00				
Dc	**1**	[Forced to PDM]	1000	1000		0.00	✓	13	60.00	
Dc	**2**	[Forced to PDM]	100	100		0.00	✓	13	30.00	
Dc	**3**	[Forced to PDM]	100	100		0.00	✓	13	0.00	
Dx	**1**	[Forced to PDM]	100	100		0.00				
Dx	**2**	[Forced to PDM]	100	100		0.00				
Dx	**3**	[Forced to PDM]	100	100		0.00				
Dx1	**1**	[Forced to PDM]	100	100		0.00				
Dx1	**2**	[Forced to PDM]	100	100		0.00				
E	**1**	[Forced to PDM]	100	40		0.00				
E	**2**	[Forced to PDM]	100	40		0.00				
F	**1**	[Forced to PDM]	100	100		0.00				
F	**2**	[Forced to PDM]	100	100		0.00				
F	**3**	[Forced to PDM]	100	100		0.00				
Ec	**1**	[Forced to PDM]	100	100		0.00	✓	6	0.00	
Ec	**2**	[Forced to PDM]	100	100		0.00	✓	6	60.00	
Ec	**3**	[Forced to PDM]	100	100		0.00	✓	6	60.00	
Ex	**1**	[Forced to PDM]	100	100		0.00				
Ex	**2**	[Forced to PDM]	100	100		0.00				

Fc	**1**	[Forced to PDM]	100	100		7.00	✓	3	0.00	
Fc	**2**	[Forced to PDM]	100	100		7.00	✓	3	0.00	
Fc	**3**	[Forced to PDM]	100	100		7.00	✓	3	0.00	
Fx	**1**	[Forced to PDM]	100	100		0.00				
Fx	**2**	[Forced to PDM]	100	100		0.00				
Fx1	**1**	[Forced to PDM]	100	100		0.00				
Fx1	**2**	[Forced to PDM]	100	100		0.00				
G	**1**	[Forced to PDM]	20	50		0.00				
G	**2**	[Forced to PDM]	20	50		0.00				
G1	**1**	[Forced to PDM]	100	100		0.00				
Gc	**1**	[Forced to PDM]	100	100		7.00	✓	2	100.00	
Gc	**2**	[Forced to PDM]	100	100		7.00	✓	2	100.00	
Gc	**3**	[Forced to PDM]	100	100		7.00	✓	2	100.00	
Gx	**1**	[Forced to PDM]	100	100		0.00				
Gx	**2**	[Forced to PDM]	100	100		0.00				
Gx1	**1**	[Forced to PDM]	100	100		0.00				
H	**1**	[Forced to PDM]	100	100		0.00				
H	**2**	[Forced to PDM]	100	100		0.00				
H	**3**	[Forced to PDM]	100	100		0.00				
I	**1**	[Forced to PDM]	0	40	✓	0.00				
I	**2**	[Forced to PDM]	0	40	✓	0.00				
H1	**1**	[Forced to PDM]	100	100		0.00				
H1	**2**	[Forced to PDM]	100	100		0.00				
Hc	**1**	[Forced to PDM]	100	100		7.00	✓	3	2000.00	
Hc	**2**	[Forced to PDM]	100	100		7.00	✓	3	2000.00	
Hc	**3**	[Forced to PDM]	100	100	✓	7.00	✓	3	2000.00	
Hx	**1**	[Forced to PDM]	100	100		0.00				
Hx	**2**	[Forced to PDM]	100	100		0.00				
I1	**1**	[Forced to PDM]	100	100		0.00				
Ic	**1**	[Forced to PDM]	100	100		7.00	✓	2	80.00	

Ic	**2**	[Forced to PDM]	100	100		7.00	✓	2	100.00	
Ic	**3**	[Forced to PDM]	100	100		7.00	✓	2	0.00	
Ix	**1**	[Forced to PDM]	100	100		0.00				
Ix	**2**	[Forced to PDM]	100	100		0.00				
Ix1	**1**	[Forced to PDM]	100	100		0.00				

Modelling - Advanced

Arm	Traffic Stream	Cruise Sensitivity Multiplier (%)	Initial Queue (PCU)	Type of Vehicle-in-Service	Vehicle-in-Service	Type Of Random Parameter	Random Parameter	Auto Cycle Time	Cycle Time
A	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
A	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
A	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
A	**4**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax1	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax2	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax2	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
B	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
B	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc1	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc1	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc1	**4**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
D	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
D	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
D	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ac	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ac	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ac	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc	**4**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cc	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cc	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cc	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dc	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88

Dc	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dc	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dx	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dx	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dx1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dx1	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
E	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
E	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
F	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
F	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
F	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ec	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ec	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ec	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ex	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ex	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Fc	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Fc	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Fc	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Fx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Fx	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Fx1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Fx1	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
G	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
G	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
G1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Gc	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Gc	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Gc	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Gx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Gx	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Gx1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
H	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
H	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
H	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
I	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
I	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
H1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
H1	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Hc	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Hc	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Hc	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Hx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Hx	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
I1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ic	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ic	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ic	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88

Ix	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ix	2	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ix1	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88

Normal - Modelling

Arm	Traffic Stream	Stop Weighting (%)	Delay Weighting (%)
A	1	100	100
A	2	100	100
A	3	100	100
A	4	100	100
Ax1	1	100	100
Ax1	2	100	100
Ax2	1	100	100
Ax2	2	100	100
B	1	100	100
B	2	100	100
Bc1	1	100	100
Bc1	2	100	100
Bc1	3	100	100
Bc1	4	100	100
C	1	100	100
C	2	100	100
Cx1	1	100	100
D	1	100	100
D	2	100	100
D	3	100	100
Ac	1	100	100
Ac	2	100	100
Ac	3	100	100
Ax	1	100	100
Ax	2	100	100
Ax	3	100	100
Bc	1	100	100
Bc	2	100	100
Bc	3	100	100
Bc	4	100	100
Bx	1	100	100
Cc	1	100	100
Cc	2	100	100
Cc	3	100	100
Cx	1	100	100
Cx	2	100	100
Dc	1	100	100
Dc	2	100	100
Dc	3	100	100
Dx	1	100	100
Dx	2	100	100
Dx	3	100	100
Dx1	1	100	100
Dx1	2	100	100
E	1	100	100
E	2	100	100

F	**1**	100	100
F	**2**	100	100
F	**3**	100	100
Ec	**1**	100	100
Ec	**2**	100	100
Ec	**3**	100	100
Ex	**1**	100	100
Ex	**2**	100	100
Fc	**1**	100	100
Fc	**2**	100	100
Fc	**3**	100	100
Fx	**1**	100	100
Fx	**2**	100	100
Fx1	**1**	100	100
Fx1	**2**	100	100
G	**1**	100	100
G	**2**	100	100
G1	**1**	100	100
Gc	**1**	100	100
Gc	**2**	100	100
Gc	**3**	100	100
Gx	**1**	100	100
Gx	**2**	100	100
Gx1	**1**	100	100
H	**1**	100	100
H	**2**	100	100
H	**3**	100	100
I	**1**	100	100
I	**2**	100	100
H1	**1**	100	100
H1	**2**	100	100
Hc	**1**	100	100
Hc	**2**	100	100
Hc	**3**	100	100
Hx	**1**	100	100
Hx	**2**	100	100
I1	**1**	100	100
Ic	**1**	100	100
Ic	**2**	100	100
Ic	**3**	100	100
Ix	**1**	100	100
Ix	**2**	100	100
Ix1	**1**	100	100

Bus - Modelling

Arm	Traffic Stream	Stationary Time (seconds)	Stop Weighting (%)	Delay Weighting (%)
Gx	1	0.00	100	100
Gx	2	0.00	100	100
Gx1	1	0.00	100	100
Ix	1	0.00	100	100
Ix	2	0.00	100	100
Ix1	1	0.00	100	100

Tram - Modelling

Arm	Traffic Stream	Stationary Time (seconds)	Stop Weighting (%)	Delay Weighting (%)
Gx	1	0.00	100	100
Gx	2	0.00	100	100
Gx1	1	0.00	100	100
Ix	1	0.00	100	100
Ix	2	0.00	100	100
Ix1	1	0.00	100	100

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)	Bus Flow (PCU/hr)	Tram Flow (PCU/hr)
A	1	476	476	0	0
A	2	718	718	0	0
A	3	455	455	0	0
A	4	820	820	0	0
Ax1	1	581	581	0	0
Ax1	2	1763	1763	0	0
Ax2	1	1412	1412	0	0
Ax2	2	931	931	0	0
B	1	26	26	0	0
B	2	26	26	0	0
Bc1	1	782	782	0	0
Bc1	2	1258	1258	0	0
Bc1	3	659	659	0	0
Bc1	4	1024	1024	0	0
C	1	785	785	0	0
C	2	785	785	0	0
Cx1	1	1399	1399	0	0
D	1	802	802	0	0
D	2	861	861	0	0
D	3	861	861	0	0
Ac	1	391	391	0	0
Ac	2	540	540	0	0
Ac	3	407	407	0	0
Ax	1	581	581	0	0
Ax	2	1166	1166	0	0
Ax	3	596	596	0	0
Bc	1	867	867	0	0
Bc	2	1258	1258	0	0
Bc	3	659	659	0	0
Bc	4	1024	1024	0	0
Bx	1	85	85	0	0

Cc	**1**	667	667	0	0
Cc	**2**	660	660	0	0
Cc	**3**	1048	1048	0	0
Cx	**1**	800	800	0	0
Cx	**2**	599	599	0	0
Dc	**1**	461	461	0	0
Dc	**2**	762	762	0	0
Dc	**3**	411	411	0	0
Dx	**1**	991	991	0	0
Dx	**2**	660	660	0	0
Dx	**3**	660	660	0	0
Dx1	**1**	991	991	0	0
Dx1	**2**	1321	1321	0	0
E	**1**	357	357	0	0
E	**2**	713	713	0	0
F	**1**	1412	1412	0	0
F	**2**	725	725	0	0
F	**3**	207	207	0	0
Ec	**1**	480	480	0	0
Ec	**2**	1065	1065	0	0
Ec	**3**	1067	1067	0	0
Ex	**1**	988	988	0	0
Ex	**2**	558	558	0	0
Fc	**1**	71	71	0	0
Fc	**2**	165	165	0	0
Fc	**3**	31	31	0	0
Fx	**1**	1226	1226	0	0
Fx	**2**	1243	1243	0	0
Fx1	**1**	1193	1193	0	0
Fx1	**2**	1276	1276	0	0
G	**1**	292	292	0	0
G	**2**	313	313	0	0
G1	**1**	605	605	0	0
Gc	**1**	672	672	0	0
Gc	**2**	756	756	0	0
Gc	**3**	207	207	0	0
Gx	**1**	842	842	0	0
Gx	**2**	134	134	0	0
Gx1	**1**	975	975	0	0
H	**1**	473	473	0	0
H	**2**	507	507	0	0
H	**3**	63	63	0	0
I	**1**	518	518	0	0
I	**2**	554	554	0	0
H1	**1**	980	980	0	0
H1	**2**	63	63	0	0
Hc	**1**	111	111	0	0
Hc	**2**	358	358	0	0
Hc	**3**	385	385	0	0
Hx	**1**	713	713	0	0
Hx	**2**	672	672	0	0
I1	**1**	1072	1072	0	0

Ic	**1**	709	709	0	0
Ic	**2**	891	891	0	0
Ic	**3**	63	63	0	0
Ix	**1**	123	123	0	0
Ix	**2**	111	111	0	0
Ix1	**1**	234	234	0	0

Signals

Arm	Traffic Stream	Controller Stream	Phase	Phase2 Enabled
A	**1**	1	A	
A	**2**	1	A	
A	**3**	1	A	
A	**4**	1	A	
C	**1**	3	A	
C	**2**	3	A	
D	**1**	2	A	
D	**2**	2	A	
D	**3**	2	A	
Ac	**1**	1	B	
Ac	**2**	1	B	
Ac	**3**	1	B	
Ax	**1**	5	A	
Ax	**2**	5	A	
Ax	**3**	5	A	
Cc	**1**	3	B	
Cc	**2**	3	B	
Cc	**3**	3	B	
Cx	**1**	6	A	
Cx	**2**	6	A	
Dc	**1**	2	B	
Dc	**2**	2	B	
Dc	**3**	2	B	
Dx	**1**	7	A	
Dx	**2**	7	A	
Dx	**3**	7	A	
F	**1**	8	A	
F	**2**	8	A	
F	**3**	8	A	
Fc	**1**	8	B	
Fc	**2**	8	B	
Fc	**3**	8	B	
G	**1**	9	A	
G	**2**	9	A	
Gc	**1**	9	B	
Gc	**2**	9	B	
Gc	**3**	9	B	
H	**1**	10	A	
H	**2**	10	A	
H	**3**	10	A	
I	**1**	11	A	
I	**2**	11	A	
Hc	**1**	10	B	
Hc	**2**	10	B	
Hc	**3**	10	B	
Ic	**1**	11	B	
Ic	**2**	11	B	
Ic	**3**	11	B	

Entry Sources

Arm	Traffic Stream	Normal Cruise Time (seconds)	Normal Cruise Speed (kph)
B	1	2.24	48.28
B	2	2.24	48.28
C	1	11.19	64.37
C	2	11.19	64.37
D	1	16.78	64.37
D	2	16.78	64.37
D	3	16.78	64.37
E	1	14.91	48.28
E	2	14.91	48.28
G1	1	4.47	48.28
H1	1	7.46	48.28
H1	2	7.46	48.28
I1	1	7.46	48.28

Sources

Arm	Traffic Stream	Source	Source Type	Source Traffic Stream	Destination Traffic Stream	Normal Cruise Time (seconds)	Normal Cruise Speed (kph)	Bus Free Running Speed (kph)	Tram Free Running Speed (kph)	Auto Turning Radius	Traffic Turn Style	Turning Radius (m)
A	1	1	TrafficStream	Fx1/1	A/1	12.00	30.00			✓	Straight	Straight Movement
A	2	1	TrafficStream	Fx1/1	A/2	18.00	30.00			✓	Straight	Straight Movement
A	3	1	TrafficStream	Fx1/2	A/3	18.00	30.00			✓	Straight	Straight Movement
A	4	1	TrafficStream	Fx1/2	A/4	18.00	30.00			✓	Straight	Straight Movement
F	1	1	TrafficStream	Ax2/1	F/1	15.66	48.28			✓	Straight	Straight Movement
F	2	1	TrafficStream	Ax2/2	F/2	15.66	48.28			✓	Straight	Straight Movement
F	3	1	TrafficStream	Ax2/2	F/3	15.66	48.28			✓	Straight	Straight Movement
G	1	1	TrafficStream	G1/1	G/1	5.67	48.28			✓	Straight	Straight Movement
G	2	1	TrafficStream	G1/1	G/2	5.67	48.28			✓	Straight	Straight Movement
H	1	1	TrafficStream	H1/1	H/1	7.16	48.28			✓	Straight	Straight Movement
H	2	1	TrafficStream	H1/1	H/2	7.16	48.28			✓	Straight	Straight Movement
H	3	1	TrafficStream	H1/2	H/3	7.16	48.28			✓	Straight	Straight Movement
I	1	1	TrafficStream	I1/1	I/1	4.47	48.28			✓	Straight	Straight Movement
I	2	1	TrafficStream	I1/1	I/2	4.47	48.28			✓	Straight	Straight Movement
Ac	1	1	TrafficStream	E/1	Ac/1	4.03	48.28			✓	Straight	Straight Movement
Ac	2	1	TrafficStream	Ec/3	Ac/2	4.03	48.28			✓	Straight	Straight Movement
Ac	3	1	TrafficStream	E/2	Ac/3	4.03	48.28			✓	Straight	Straight Movement
Ax	1	1	TrafficStream	Ec/1	Ax/1	5.59	64.37			✓	Straight	Straight Movement

Ax	**2**	**1**	TrafficStream	Ec/2	Ax/2	5.59	64.37			✓	Straight	Straight Movement
Ax	**3**	**1**	TrafficStream	Ec/3	Ax/3	5.59	64.37			✓	Straight	Straight Movement
Ax1	**1**	**1**	TrafficStream	Ax/1	Ax1/1	2.40	30.00			✓	Straight	Straight Movement
Ax1	**2**	**1**	TrafficStream	Ax/2	Ax1/2	2.40	30.00			✓	Straight	Straight Movement
Ax2	**1**	**1**	TrafficStream	Ax1/1	Ax2/1	9.60	30.00			✓	Straight	Straight Movement
Ax2	**2**	**1**	TrafficStream	Ax1/1	Ax2/2	9.60	30.00			✓	Straight	Straight Movement
Bc	**1**	**1**	TrafficStream	Ac/1	Bc/1	7.46	48.28			✓	Straight	Straight Movement
Bc	**2**	**1**	TrafficStream	A/2	Bc/2	7.46	48.28			✓	Straight	Straight Movement
Bc	**3**	**1**	TrafficStream	Ac/3	Bc/3	7.46	48.28			✓	Straight	Straight Movement
Bc	**4**	**1**	TrafficStream	Ac/3	Bc/4	7.46	48.28			✓	Straight	Straight Movement
Bc1	**1**	**1**	TrafficStream	Bc/1	Bc1/1	2.24	48.28			✓	Straight	Straight Movement
Bc1	**2**	**1**	TrafficStream	Bc/2	Bc1/2	2.24	48.28			✓	Straight	Straight Movement
Bc1	**3**	**1**	TrafficStream	Bc/3	Bc1/3	2.24	48.28			✓	Straight	Straight Movement
Bc1	**4**	**1**	TrafficStream	Bc/4	Bc1/4	2.24	48.28			✓	Straight	Straight Movement
Bx	**1**	**1**	TrafficStream	Bc/1	Bx/1	7.46	48.28			✓	Nearside	76.24
Cc	**1**	**1**	TrafficStream	B/1	Cc/1	4.85	48.28			✓	Straight	Straight Movement
Cc	**2**	**1**	TrafficStream	B/2	Cc/2	4.85	48.28			✓	Straight	Straight Movement
Cc	**3**	**1**	TrafficStream	B/2	Cc/3	4.85	48.28			✓	Straight	Straight Movement
Cx	**1**	**1**	TrafficStream	Bc1/1	Cx/1	5.59	64.37			✓	Straight	Straight Movement
Cx	**2**	**1**	TrafficStream	Bc1/2	Cx/2	5.59	64.37			✓	Straight	Straight Movement
Cx1	**1**	**1**	TrafficStream	Cx/1	Cx1/1	7.46	48.28			✓	Straight	Straight Movement
Dc	**1**	**1**	TrafficStream	C/1	Dc/1	6.71	48.28			✓	Straight	Straight Movement
Dc	**2**	**1**	TrafficStream	C/2	Dc/2	6.71	48.28			✓	Straight	Straight Movement
Dc	**3**	**1**	TrafficStream	C/2	Dc/3	6.71	48.28			✓	Straight	Straight Movement
Dx	**1**	**1**	TrafficStream	Cc/1	Dx/1	3.13	64.37			✓	Straight	Straight Movement
Dx	**2**	**1**	TrafficStream	Cc/2	Dx/2	3.13	64.37			✓	Straight	Straight Movement
Dx	**3**	**1**	TrafficStream	Cc/3	Dx/3	3.13	64.37			✓	Straight	Straight Movement
Dx1	**1**	**1**	TrafficStream	Dx/1	Dx1/1	13.98	64.37			✓	Straight	Straight Movement
Dx1	**2**	**1**	TrafficStream	Dx/2	Dx1/2	13.98	64.37			✓	Straight	Straight Movement
Ec	**1**	**1**	TrafficStream	D/1	Ec/1	3.73	48.28			✓	Straight	Straight Movement

Ec	**2**	**1**	TrafficStream	D/2	Ec/2	3.73	48.28			✓	Straight	Straight Movement
Ec	**3**	**1**	TrafficStream	D/3	Ec/3	3.73	48.28			✓	Straight	Straight Movement
Ex	**1**	**1**	TrafficStream	Dc/1	Ex/1	7.46	48.28			✓	Straight	Straight Movement
Ex	**2**	**1**	TrafficStream	Dc/2	Ex/2	7.46	48.28			✓	Straight	Straight Movement
Fc	**1**	**1**	TrafficStream	Ic/2	Fc/1	8.28	32.19			✓	Straight	Straight Movement
Fc	**2**	**1**	TrafficStream	I/2	Fc/2	8.28	32.19			✓	Straight	Straight Movement
Fc	**3**	**1**	TrafficStream	Ic/3	Fc/3	8.28	32.19			✓	Offside	91.25
Fx	**1**	**1**	TrafficStream	I/1	Fx/1	21.62	48.28			✓	Straight	Straight Movement
Fx	**2**	**1**	TrafficStream	I/2	Fx/2	21.62	48.28			✓	Straight	Straight Movement
Fx1	**1**	**1**	TrafficStream	Fx/1	Fx1/1	12.00	30.00			✓	Straight	Straight Movement
Fx1	**2**	**1**	TrafficStream	Fx/1	Fx1/2	12.00	30.00			✓	Straight	Straight Movement
Gc	**1**	**1**	TrafficStream	F/1	Gc/1	7.83	32.19			✓	Straight	Straight Movement
Gc	**2**	**1**	TrafficStream	F/2	Gc/2	7.83	32.19			✓	Straight	Straight Movement
Gc	**3**	**1**	TrafficStream	Fc/3	Gc/3	7.83	32.19			✓	Offside	52.91
Gx	**1**	**1**	TrafficStream	F/1	Gx/1	4.18	48.28	15.00	15.00	✓	Nearside	63.89
Gx	**2**	**1**	TrafficStream	Fc/2	Gx/2	4.18	48.28	15.00	15.00	✓	Straight	Straight Movement
Gx1	**1**	**1**	TrafficStream	Gx/1	Gx1/1	1.49	48.28	15.00	15.00	✓	Straight	Straight Movement
Hc	**1**	**1**	TrafficStream	G/1	Hc/1	7.49	32.19			✓	Straight	Straight Movement
Hc	**2**	**1**	TrafficStream	Gc/3	Hc/2	7.49	32.19			✓	Straight	Straight Movement
Hc	**3**	**1**	TrafficStream	Gc/3	Hc/3	7.49	32.19			✓	Straight	Straight Movement
Hx	**1**	**1**	TrafficStream	G/1	Hx/1	7.46	48.28			✓	Nearside	100.00
Hx	**2**	**1**	TrafficStream	Gc/2	Hx/2	7.46	48.28			✓	Straight	Straight Movement
Ic	**1**	**1**	TrafficStream	H/1	Ic/1	7.27	32.19			✓	Straight	Straight Movement
Ic	**2**	**1**	TrafficStream	H/2	Ic/2	7.27	32.19			✓	Straight	Straight Movement
Ic	**3**	**1**	TrafficStream	Hc/3	Ic/3	7.27	32.19			✓	Offside	49.48
Ix	**1**	**1**	TrafficStream	Hc/1	Ix/1	3.36	48.28	15.00	15.00	✓	Straight	Straight Movement
Ix	**2**	**1**	TrafficStream	Hc/2	Ix/2	3.36	48.28	15.00	15.00	✓	Straight	Straight Movement
Ix1	**1**	**1**	TrafficStream	Ix/2	Ix1/1	1.12	48.28	15.00	15.00	✓	Straight	Straight Movement
Ac	**1**	**2**	TrafficStream	Ec/3	Ac/1	4.03	48.28			✓	Straight	Straight Movement
Ac	**2**	**2**	TrafficStream	E/2	Ac/2	4.03	48.28			✓	Straight	Straight Movement
Ax	**1**	**2**	TrafficStream	E/1	Ax/1	5.59	64.37			✓	Straight	Straight Movement
Ax	**2**	**2**	TrafficStream	E/1	Ax/2	12.00	30.00			✓	Straight	Straight Movement

Ax1	**2**	**2**	TrafficStream	Ax/3	Ax1/2	2.40	30.00			✓	Straight	Straight Movement
Ax2	**1**	**2**	TrafficStream	Ax1/2	Ax2/1	9.60	30.00			✓	Straight	Straight Movement
Ax2	**2**	**2**	TrafficStream	Ax1/2	Ax2/2	9.60	30.00			✓	Straight	Straight Movement
Bc	**1**	**2**	TrafficStream	A/1	Bc/1	7.46	48.28			✓	Nearside	83.93
Bc	**2**	**2**	TrafficStream	Ac/2	Bc/2	12.00	30.00			✓	Straight	Straight Movement
Bc	**3**	**2**	TrafficStream	A/3	Bc/3	12.00	30.00			✓	Straight	Straight Movement
Bc	**4**	**2**	TrafficStream	A/4	Bc/4	7.46	48.28			✓	Straight	Straight Movement
Cc	**1**	**2**	TrafficStream	Bc1/2	Cc/1	4.85	48.28			✓	Straight	Straight Movement
Cc	**2**	**2**	TrafficStream	Bc1/3	Cc/2	4.85	48.28			✓	Straight	Straight Movement
Cc	**3**	**2**	TrafficStream	Bc1/4	Cc/3	4.85	48.28			✓	Straight	Straight Movement
Cx	**1**	**2**	TrafficStream	B/1	Cx/1	5.59	64.37			✓	Nearside	73.56
Cx1	**1**	**2**	TrafficStream	Cx/2	Cx1/1	7.46	48.28			✓	Straight	Straight Movement
Dc	**2**	**2**	TrafficStream	Cc/3	Dc/2	6.71	48.28			✓	Straight	Straight Movement
Dc	**3**	**2**	TrafficStream	Cc/3	Dc/3	6.71	48.28			✓	Straight	Straight Movement
Dx	**1**	**2**	TrafficStream	C/1	Dx/1	3.13	64.37			✓	Straight	Straight Movement
Dx1	**2**	**2**	TrafficStream	Dx/3	Dx1/2	13.98	64.37			✓	Straight	Straight Movement
Ec	**1**	**2**	TrafficStream	Dc/2	Ec/1	3.73	48.28			✓	Straight	Straight Movement
Ec	**2**	**2**	TrafficStream	Dc/3	Ec/2	3.73	48.28			✓	Straight	Straight Movement
Ec	**3**	**2**	TrafficStream	Dc/3	Ec/3	3.73	48.28			✓	Straight	Straight Movement
Ex	**1**	**2**	TrafficStream	D/1	Ex/1	7.46	48.28			✓	Straight	Straight Movement
Fc	**1**	**2**	TrafficStream	I/2	Fc/1	8.88	30.00			✓	Straight	Straight Movement
Fc	**2**	**2**	TrafficStream	Ic/3	Fc/2	8.28	32.19			✓	Straight	Straight Movement
Fc	**3**	**2**	TrafficStream	I/2	Fc/3	8.28	32.19			✓	Straight	Straight Movement
Fx	**1**	**2**	TrafficStream	Ic/1	Fx/1	21.62	48.28			✓	Straight	Straight Movement
Fx	**2**	**2**	TrafficStream	Ic/2	Fx/2	21.62	48.28			✓	Straight	Straight Movement
Fx1	**1**	**2**	TrafficStream	Fx/2	Fx1/1	12.00	30.00			✓	Straight	Straight Movement
Fx1	**2**	**2**	TrafficStream	Fx/2	Fx1/2	12.00	30.00			✓	Straight	Straight Movement
Gc	**1**	**2**	TrafficStream	Fc/2	Gc/1	7.83	32.19			✓	Offside	72.91
Gc	**2**	**2**	TrafficStream	Fc/3	Gc/2	7.83	32.19			✓	Offside	52.91
Gc	**3**	**2**	TrafficStream	F/3	Gc/3	7.83	32.19			✓	Straight	Straight Movement
Gx	**1**	**2**	TrafficStream	Fc/1	Gx/1	4.18	48.28	15.00	15.00	✓	Straight	Straight Movement

Gx1	**1**	**2**	TrafficStream	Gx/2	Gx1/1	1.49	48.28	15.00	15.00	✓	Straight	Straight Movement
Hc	**1**	**2**	TrafficStream	Gc/2	Hc/1	7.49	32.19			✓	Straight	Straight Movement
Hc	**2**	**2**	TrafficStream	G/1	Hc/2	8.04	30.00			✓	Straight	Straight Movement
Hc	**3**	**2**	TrafficStream	G/2	Hc/3	7.49	32.19			✓	Straight	Straight Movement
Hx	**1**	**2**	TrafficStream	Gc/1	Hx/1	7.46	48.28			✓	Straight	Straight Movement
Ic	**1**	**2**	TrafficStream	Hc/2	Ic/1	7.27	32.19			✓	Offside	69.48
Ic	**2**	**2**	TrafficStream	Hc/3	Ic/2	7.27	32.19			✓	Offside	49.48
Ic	**3**	**2**	TrafficStream	H/3	Ic/3	7.27	32.19			✓	Straight	Straight Movement
Ix	**1**	**2**	TrafficStream	H/1	Ix/1	3.36	48.28	15.00	15.00	✓	Straight	Straight Movement
Ix1	**1**	**2**	TrafficStream	Ix/1	Ix1/1	1.12	48.28	15.00	15.00	✓	Straight	Straight Movement

Give Way Data

Arm	Traffic Stream	Opposed Traffic	Use Step-wise Opposed Turn Model	Visibility Restricted
B	**1**	AllTraffic		
B	**2**	AllTraffic		
E	**1**	AllTraffic		
E	**2**	AllTraffic		

Give Way Data - All Movements - Conflicts

Traffic Stream	Description	Controlling Type	Controlling Traffic Stream	Percentage Opposing (%)	Slope Coefficient	Upstream Signals Visible	Conflict Shift	Conflict Duration
1		TrafficStream	Bc1/1	100	0.18		0	0
1		TrafficStream	Bc1/2	100	0.18		0	0
2		TrafficStream	Bc1/1	100	0.18		0	0
2		TrafficStream	Bc1/2	100	0.18		0	0
2		TrafficStream	Bc1/3	100	0.18		0	0
2		TrafficStream	Bc1/4	100	0.44		0	0
1	Roundabout Circulating	TrafficStream	Ec/1	100	0.21		0	0
1		TrafficStream	Ec/2	100	0.21		0	0
1		TrafficStream	Ec/3	100	0.21		0	0
2	Roundabout Circulating	TrafficStream	Ec/1	100	0.42		0	0
2		TrafficStream	Ec/2	100	0.42		0	0
2		TrafficStream	Ec/3	100	0.42		0	0

Quick Flares

Arm	Traffic Stream	Description	Saturation Flow (PCU/hr)	Use Que Prob	Effective Storage (Vehs)
C	**1**		1800		7.00
C	**2**		1800		7.00
G	**2**		1800		3.00
I	**2**		1800		2.00

Local OD Matrix - Local Matrix: 2031 S3

Normal Input Flows (PCU/hr)

		To						
		1	2	3	4	5	6	7
From	1	0	12	12	248	562	146	63
	2	62	0	12	212	507	138	141
	3	6	1	0	18	10	12	4
	4	345	46	2	0	324	642	211
	5	815	105	38	554	0	527	485
	6	116	15	14	243	611	0	71
	7	41	55	7	124	297	81	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
2031 S3	1	(untitled)	H1/1,H1/2	Hx/2,Hx/1
2031 S3	2	(untitled)	I1/1	Ix1/1
2031 S3	3	(untitled)	B/1,B/2	Bx/1
2031 S3	4	(untitled)	C/1,C/2	Cx1/1
2031 S3	5	(untitled)	D/1,D/2,D/3	Dx1/2,Dx1/1
2031 S3	6	(untitled)	E/1,E/2	Ex/1,Ex/2
2031 S3	7	(untitled)	G1/1	Gx1/1

Paths

OD Matrix	Path	Description	From Location	To Location	Path Items
2031 S3	1		5	7	D/1,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	2		5	1	D/1,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	3		5	1	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	4		5	2	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	5		5	2	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	6		5	3	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	7		5	4	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	8		5	5	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	9		5	4	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	10		5	5	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	11		5	5	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2

2031 S3	**12**		5	3	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**13**		5	4	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**14**		5	5	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**15**		5	4	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**16**		5	5	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**17**		5	5	D/1,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**18**		5	6	D/1,Ex/1
2031 S3	**19**		5	7	D/2,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**20**		5	1	D/2,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**21**		5	1	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**22**		5	2	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**23**		5	2	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**24**		5	3	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**25**		5	4	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**26**		5	5	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**27**		5	4	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**28**		5	5	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**29**		5	5	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**30**		5	3	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**31**		5	4	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**32**		5	5	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**33**		5	4	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**34**		5	5	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**35**		5	5	D/2,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**36**		5	7	D/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**37**		5	1	D/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**38**		5	1	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**39**		5	2	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**40**		5	2	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**41**		5	3	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1

2031 S3	**42**		5	4	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**43**		5	5	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**44**		5	4	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**45**		5	5	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**46**		5	5	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**47**		5	3	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**48**		5	4	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**49**		5	5	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**50**		5	4	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**51**		5	5	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**52**		5	5	D/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**53**		5	3	D/3,Ec/3,Ac/1,Bc/1,Bx/1
2031 S3	**54**		5	4	D/3,Ec/3,Ac/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**55**		5	5	D/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**56**		5	4	D/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**57**		6	7	E/1,Ax/1,Ax1/1,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**58**		6	1	E/1,Ax/1,Ax1/1,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**59**		6	1	E/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**60**		6	2	E/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**61**		6	2	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**62**		6	3	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**63**		6	4	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**64**		6	5	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**65**		6	4	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**66**		6	5	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**67**		6	6	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	**68**		6	5	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**69**		6	3	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**70**		6	4	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**71**		6	5	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1

2031 S3	**72**		6	4	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**73**		6	5	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**74**		6	6	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	**75**		6	5	E/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**76**		6	7	E/1,Ax/2,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**77**		6	1	E/1,Ax/2,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**78**		6	1	E/1,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**79**		6	2	E/1,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**80**		6	2	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**81**		6	3	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**82**		6	4	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**83**		6	5	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**84**		6	4	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**85**		6	5	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**86**		6	6	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	**87**		6	5	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**88**		6	3	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**89**		6	4	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**90**		6	5	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**91**		6	4	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**92**		6	5	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**93**		6	6	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	**94**		6	5	E/1,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**95**		6	3	E/1,Ac/1,Bc/1,Bx/1
2031 S3	**96**		6	4	E/1,Ac/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**97**		6	5	E/2,Ac/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**98**		6	4	E/2,Ac/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**99**		6	5	E/2,Ac/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**100**		6	6	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	**101**		6	5	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2

2031 S3	**102**		3	5	B/1,Cc/1,Dx/1,Dx1/1
2031 S3	**103**		3	4	B/1,Cx/1,Cx1/1
2031 S3	**104**		3	5	B/2,Cc/2,Dx/2,Dx1/2
2031 S3	**105**		3	7	B/2,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**106**		3	1	B/2,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**107**		3	1	B/2,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**108**		3	2	B/2,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**109**		3	2	B/2,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**110**		3	3	B/2,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**111**		3	3	B/2,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**112**		3	6	B/2,Cc/3,Dc/2,Ex/2
2031 S3	**113**		3	7	B/2,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**114**		3	1	B/2,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**115**		3	1	B/2,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**116**		3	2	B/2,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**117**		3	2	B/2,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**118**		3	3	B/2,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**119**		3	3	B/2,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**120**		3	7	B/2,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**121**		3	1	B/2,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**122**		3	1	B/2,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**123**		3	2	B/2,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**124**		3	2	B/2,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**125**		3	3	B/2,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**126**		3	3	B/2,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**127**		3	3	B/2,Cc/3,Dc/3,Ec/3,Ac/1,Bc/1,Bx/1
2031 S3	**128**		3	5	B/2,Cc/3,Dx/3,Dx1/2
2031 S3	**129**		4	6	C/1,Dc/1,Ex/1
2031 S3	**130**		4	5	C/1,Dx/1,Dx1/1
2031 S3	**131**		4	7	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gx/1,Gx1/1

2031 S3	**132**		4	1	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**133**		4	1	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**134**		4	2	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**135**		4	2	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**136**		4	3	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**137**		4	4	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**138**		4	4	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**139**		4	3	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**140**		4	4	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**141**		4	4	C/2,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**142**		4	6	C/2,Dc/2,Ex/2
2031 S3	**143**		4	7	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**144**		4	1	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**145**		4	1	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**146**		4	2	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**147**		4	2	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**148**		4	3	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**149**		4	4	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**150**		4	4	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**151**		4	3	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**152**		4	4	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**153**		4	4	C/2,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**154**		4	7	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**155**		4	1	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**156**		4	1	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**157**		4	2	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**158**		4	2	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**159**		4	3	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**160**		4	4	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**161**		4	4	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1

2031 S3	**162**		4	3	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**163**		4	4	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**164**		4	4	C/2,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**165**		4	3	C/2,Dc/3,Ec/3,Ac/1,Bc/1,Bx/1
2031 S3	**166**		4	4	C/2,Dc/3,Ec/3,Ac/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**167**		4	4	C/2,Dc/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**168**		2	3	I1/1,I/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**169**		2	4	I1/1,I/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	**170**		2	5	I1/1,I/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**171**		2	4	I1/1,I/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**172**		2	5	I1/1,I/1,Fx/1,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**173**		2	7	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**174**		2	1	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**175**		2	1	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**176**		2	2	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**177**		2	2	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**178**		2	6	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	**179**		2	7	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**180**		2	1	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**181**		2	1	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**182**		2	2	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**183**		2	2	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**184**		2	7	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**185**		2	1	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**186**		2	1	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**187**		2	2	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**188**		2	2	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**189**		2	5	I1/1,I/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**190**		2	3	I1/1,I/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	**191**		2	4	I1/1,I/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1

2031 S3	**192**		2	5	I1/1,I/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	**193**		2	4	I1/1,I/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	**194**		2	5	I1/1,I/2,Fx/2,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	**195**		2	7	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**196**		2	1	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**197**		2	1	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**198**		2	2	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**199**		2	2	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**200**		2	6	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	**201**		2	7	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**202**		2	1	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**203**		2	1	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**204**		2	2	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**205**		2	2	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**206**		2	7	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	**207**		2	1	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	**208**		2	1	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	**209**		2	2	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**210**		2	2	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**211**		2	5	I1/1,I/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	**212**		2	7	I1/1,I/2,Fc/1,Gx/1,Gx1/1
2031 S3	**213**		2	7	I1/1,I/2,Fc/2,Gx/2,Gx1/1
2031 S3	**214**		2	1	I1/1,I/2,Fc/2,Gc/1,Hx/1
2031 S3	**215**		2	1	I1/1,I/2,Fc/3,Gc/2,Hx/2
2031 S3	**216**		2	2	I1/1,I/2,Fc/3,Gc/2,Hc/1,Ix/1,Ix1/1
2031 S3	**217**		2	2	I1/1,I/2,Fc/3,Gc/3,Hc/2,Ix/2,Ix1/1
2031 S3	**218**		7	1	G1/1,G/1,Hx/1
2031 S3	**219**		7	2	G1/1,G/1,Hc/1,Ix/1,Ix1/1
2031 S3	**220**		7	2	G1/1,G/1,Hc/2,Ix/2,Ix1/1
2031 S3	**221**		7	3	G1/1,G/1,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1

2031 S3	222		7	4	G1/1,G/1,Hc/2,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	223		7	5	G1/1,G/1,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	224		7	4	G1/1,G/1,Hc/2,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	225		7	5	G1/1,G/1,Hc/2,Ic/1,Fx/1,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	226		7	7	G1/1,G/1,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	227		7	6	G1/1,G/1,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	228		7	7	G1/1,G/1,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	229		7	7	G1/1,G/1,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	230		7	5	G1/1,G/1,Hc/2,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	231		7	3	G1/1,G/2,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	232		7	4	G1/1,G/2,Hc/3,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	233		7	5	G1/1,G/2,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	234		7	4	G1/1,G/2,Hc/3,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	235		7	5	G1/1,G/2,Hc/3,Ic/2,Fx/2,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	236		7	7	G1/1,G/2,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	237		7	6	G1/1,G/2,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	238		7	7	G1/1,G/2,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	239		7	7	G1/1,G/2,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	240		7	5	G1/1,G/2,Hc/3,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	241		7	7	G1/1,G/2,Hc/3,Ic/2,Fc/1,Gx/1,Gx1/1
2031 S3	242		7	7	G1/1,G/2,Hc/3,Ic/3,Fc/2,Gx/2,Gx1/1
2031 S3	243		1	2	H1/1,H/1,Ix/1,Ix1/1
2031 S3	244		1	3	H1/1,H/1,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	245		1	4	H1/1,H/1,Ic/1,Fx/1,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	246		1	5	H1/1,H/1,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	247		1	4	H1/1,H/1,Ic/1,Fx/1,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	248		1	5	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	249		1	7	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	250		1	1	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	251		1	1	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hx/2

2031 S3	252		1	6	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	253		1	7	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	254		1	1	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	255		1	1	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	256		1	7	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	257		1	1	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	258		1	1	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	259		1	5	H1/1,H/1,Ic/1,Fx/1,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	260		1	3	H1/1,H/2,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bx/1
2031 S3	261		1	4	H1/1,H/2,Ic/2,Fx/2,Fx1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S3	262		1	5	H1/1,H/2,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S3	263		1	4	H1/1,H/2,Ic/2,Fx/2,Fx1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S3	264		1	5	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S3	265		1	7	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	266		1	1	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	267		1	1	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	268		1	6	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S3	269		1	7	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	270		1	1	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	271		1	1	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	272		1	7	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gx/1,Gx1/1
2031 S3	273		1	1	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/1,F/1,Gc/1,Hx/1
2031 S3	274		1	1	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2,Ax2/2,F/2,Gc/2,Hx/2
2031 S3	275		1	5	H1/1,H/2,Ic/2,Fx/2,Fx1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S3	276		1	7	H1/1,H/2,Ic/2,Fc/1,Gx/1,Gx1/1
2031 S3	277		1	7	H1/2,H/3,Ic/3,Fc/2,Gx/2,Gx1/1
2031 S3	278		1	1	H1/2,H/3,Ic/3,Fc/2,Gc/1,Hx/1
2031 S3	279		1	1	H1/2,H/3,Ic/3,Fc/3,Gc/2,Hx/2

Normal Path Flows

OD Matrix	Path	Permitted Flow Type	Allocation Type

2031 S3	**1**	✓	Normal
2031 S3	**2**	✓	Normal
2031 S3	**3**	✓	Normal
2031 S3	**4**	✓	Normal
2031 S3	**5**	✓	Normal
2031 S3	**6**	✓	Normal
2031 S3	**7**	✓	Normal
2031 S3	**8**	✓	Disabled
2031 S3	**9**	✓	Disabled
2031 S3	**10**	✓	Disabled
2031 S3	**11**	✓	Normal
2031 S3	**12**	✓	Normal
2031 S3	**13**	✓	Normal
2031 S3	**14**	✓	Normal
2031 S3	**15**	✓	Normal
2031 S3	**16**	✓	Normal
2031 S3	**17**	✓	Normal
2031 S3	**18**	✓	Normal
2031 S3	**19**	✓	Normal
2031 S3	**20**	✓	Normal
2031 S3	**21**	✓	Normal
2031 S3	**22**	✓	Normal
2031 S3	**23**	✓	Normal
2031 S3	**24**	✓	Normal
2031 S3	**25**	✓	Normal
2031 S3	**26**	✓	Normal
2031 S3	**27**	✓	Normal
2031 S3	**28**	✓	Normal
2031 S3	**29**	✓	Normal
2031 S3	**30**	✓	Normal
2031 S3	**31**	✓	Normal
2031 S3	**32**	✓	Normal
2031 S3	**33**	✓	Normal
2031 S3	**34**	✓	Normal
2031 S3	**35**	✓	Normal
2031 S3	**36**	✓	Normal
2031 S3	**37**	✓	Normal
2031 S3	**38**	✓	Normal
2031 S3	**39**	✓	Normal
2031 S3	**40**	✓	Normal
2031 S3	**41**	✓	Disabled
2031 S3	**42**	✓	Disabled
2031 S3	**43**	✓	Normal
2031 S3	**44**	✓	Disabled
2031 S3	**45**	✓	Normal
2031 S3	**46**	✓	Normal
2031 S3	**47**	✓	Disabled
2031 S3	**48**	✓	Disabled
2031 S3	**49**	✓	Normal

2031 S3	**50**	✓	Disabled
2031 S3	**51**	✓	Normal
2031 S3	**52**	✓	Normal
2031 S3	**53**	✓	Normal
2031 S3	**54**	✓	Normal
2031 S3	**55**	✓	Normal
2031 S3	**56**	✓	Normal
2031 S3	**57**	✓	Normal
2031 S3	**58**	✓	Normal
2031 S3	**59**	✓	Normal
2031 S3	**60**	✓	Normal
2031 S3	**61**	✓	Normal
2031 S3	**62**	✓	Disabled
2031 S3	**63**	✓	Disabled
2031 S3	**64**	✓	Disabled
2031 S3	**65**	✓	Disabled
2031 S3	**66**	✓	Disabled
2031 S3	**67**	✓	Normal
2031 S3	**68**	✓	Disabled
2031 S3	**69**	✓	Disabled
2031 S3	**70**	✓	Disabled
2031 S3	**71**	✓	Disabled
2031 S3	**72**	✓	Disabled
2031 S3	**73**	✓	Disabled
2031 S3	**74**	✓	Normal
2031 S3	**75**	✓	Disabled
2031 S3	**76**	✓	Normal
2031 S3	**77**	✓	Normal
2031 S3	**78**	✓	Normal
2031 S3	**79**	✓	Normal
2031 S3	**80**	✓	Normal
2031 S3	**81**	✓	Disabled
2031 S3	**82**	✓	Disabled
2031 S3	**83**	✓	Disabled
2031 S3	**84**	✓	Disabled
2031 S3	**85**	✓	Disabled
2031 S3	**86**	✓	Normal
2031 S3	**87**	✓	Disabled
2031 S3	**88**	✓	Disabled
2031 S3	**89**	✓	Disabled
2031 S3	**90**	✓	Disabled
2031 S3	**91**	✓	Disabled
2031 S3	**92**	✓	Disabled
2031 S3	**93**	✓	Normal
2031 S3	**94**	✓	Disabled
2031 S3	**95**	✓	Normal
2031 S3	**96**	✓	Normal
2031 S3	**97**	✓	Normal
2031 S3	**98**	✓	Normal

2031 S3	**99**	✓	Normal
2031 S3	**100**	✓	Normal
2031 S3	**101**	✓	Normal
2031 S3	**102**	✓	Normal
2031 S3	**103**	✓	Normal
2031 S3	**104**	✓	Normal
2031 S3	**105**	✓	Normal
2031 S3	**106**	✓	Normal
2031 S3	**107**	✓	Normal
2031 S3	**108**	✓	Normal
2031 S3	**109**	✓	Normal
2031 S3	**110**	✓	Normal
2031 S3	**111**	✓	Normal
2031 S3	**112**	✓	Normal
2031 S3	**113**	✓	Normal
2031 S3	**114**	✓	Normal
2031 S3	**115**	✓	Normal
2031 S3	**116**	✓	Normal
2031 S3	**117**	✓	Normal
2031 S3	**118**	✓	Normal
2031 S3	**119**	✓	Normal
2031 S3	**120**	✓	Normal
2031 S3	**121**	✓	Normal
2031 S3	**122**	✓	Normal
2031 S3	**123**	✓	Normal
2031 S3	**124**	✓	Normal
2031 S3	**125**	✓	Normal
2031 S3	**126**	✓	Normal
2031 S3	**127**	✓	Normal
2031 S3	**128**	✓	Normal
2031 S3	**129**	✓	Normal
2031 S3	**130**	✓	Normal
2031 S3	**131**	✓	Normal
2031 S3	**132**	✓	Normal
2031 S3	**133**	✓	Normal
2031 S3	**134**	✓	Normal
2031 S3	**135**	✓	Normal
2031 S3	**136**	✓	Disabled
2031 S3	**137**	✓	Normal
2031 S3	**138**	✓	Normal
2031 S3	**139**	✓	Disabled
2031 S3	**140**	✓	Normal
2031 S3	**141**	✓	Normal
2031 S3	**142**	✓	Normal
2031 S3	**143**	✓	Normal
2031 S3	**144**	✓	Normal
2031 S3	**145**	✓	Normal
2031 S3	**146**	✓	Normal
2031 S3	**147**	✓	Normal

2031 S3	**148**	✓	Disabled
2031 S3	**149**	✓	Normal
2031 S3	**150**	✓	Normal
2031 S3	**151**	✓	Disabled
2031 S3	**152**	✓	Normal
2031 S3	**153**	✓	Normal
2031 S3	**154**	✓	Normal
2031 S3	**155**	✓	Normal
2031 S3	**156**	✓	Normal
2031 S3	**157**	✓	Normal
2031 S3	**158**	✓	Normal
2031 S3	**159**	✓	Disabled
2031 S3	**160**	✓	Normal
2031 S3	**161**	✓	Normal
2031 S3	**162**	✓	Disabled
2031 S3	**163**	✓	Normal
2031 S3	**164**	✓	Normal
2031 S3	**165**	✓	Normal
2031 S3	**166**	✓	Normal
2031 S3	**167**	✓	Normal
2031 S3	**168**	✓	Normal
2031 S3	**169**	✓	Normal
2031 S3	**170**	✓	Normal
2031 S3	**171**	✓	Normal
2031 S3	**172**	✓	Normal
2031 S3	**173**	✓	Disabled
2031 S3	**174**	✓	Disabled
2031 S3	**175**	✓	Disabled
2031 S3	**176**	✓	Normal
2031 S3	**177**	✓	Normal
2031 S3	**178**	✓	Normal
2031 S3	**179**	✓	Disabled
2031 S3	**180**	✓	Disabled
2031 S3	**181**	✓	Disabled
2031 S3	**182**	✓	Normal
2031 S3	**183**	✓	Normal
2031 S3	**184**	✓	Disabled
2031 S3	**185**	✓	Disabled
2031 S3	**186**	✓	Disabled
2031 S3	**187**	✓	Normal
2031 S3	**188**	✓	Normal
2031 S3	**189**	✓	Normal
2031 S3	**190**	✓	Normal
2031 S3	**191**	✓	Normal
2031 S3	**192**	✓	Normal
2031 S3	**193**	✓	Normal
2031 S3	**194**	✓	Normal
2031 S3	**195**	✓	Disabled
2031 S3	**196**	✓	Disabled

2031 S3	**197**	✓	Disabled
2031 S3	**198**	✓	Normal
2031 S3	**199**	✓	Normal
2031 S3	**200**	✓	Normal
2031 S3	**201**	✓	Disabled
2031 S3	**202**	✓	Disabled
2031 S3	**203**	✓	Disabled
2031 S3	**204**	✓	Normal
2031 S3	**205**	✓	Normal
2031 S3	**206**	✓	Disabled
2031 S3	**207**	✓	Disabled
2031 S3	**208**	✓	Disabled
2031 S3	**209**	✓	Normal
2031 S3	**210**	✓	Normal
2031 S3	**211**	✓	Normal
2031 S3	**212**	✓	Normal
2031 S3	**213**	✓	Normal
2031 S3	**214**	✓	Normal
2031 S3	**215**	✓	Normal
2031 S3	**216**	✓	Normal
2031 S3	**217**	✓	Normal
2031 S3	**218**	✓	Normal
2031 S3	**219**	✓	Normal
2031 S3	**220**	✓	Normal
2031 S3	**221**	✓	Normal
2031 S3	**222**	✓	Normal
2031 S3	**223**	✓	Normal
2031 S3	**224**	✓	Disabled
2031 S3	**225**	✓	Normal
2031 S3	**226**	✓	Normal
2031 S3	**227**	✓	Normal
2031 S3	**228**	✓	Normal
2031 S3	**229**	✓	Normal
2031 S3	**230**	✓	Normal
2031 S3	**231**	✓	Normal
2031 S3	**232**	✓	Disabled
2031 S3	**233**	✓	Normal
2031 S3	**234**	✓	Disabled
2031 S3	**235**	✓	Normal
2031 S3	**236**	✓	Normal
2031 S3	**237**	✓	Normal
2031 S3	**238**	✓	Normal
2031 S3	**239**	✓	Normal
2031 S3	**240**	✓	Normal
2031 S3	**241**	✓	Normal
2031 S3	**242**	✓	Normal
2031 S3	**243**	✓	Normal
2031 S3	**244**	✓	Normal
2031 S3	**245**	✓	Normal

2031 S3	**246**	✓	Normal
2031 S3	**247**	✓	Normal
2031 S3	**248**	✓	Normal
2031 S3	**249**	✓	Normal
2031 S3	**250**	✓	Normal
2031 S3	**251**	✓	Normal
2031 S3	**252**	✓	Normal
2031 S3	**253**	✓	Normal
2031 S3	**254**	✓	Normal
2031 S3	**255**	✓	Normal
2031 S3	**256**	✓	Normal
2031 S3	**257**	✓	Normal
2031 S3	**258**	✓	Normal
2031 S3	**259**	✓	Normal
2031 S3	**260**	✓	Normal
2031 S3	**261**	✓	Normal
2031 S3	**262**	✓	Normal
2031 S3	**263**	✓	Normal
2031 S3	**264**	✓	Normal
2031 S3	**265**	✓	Normal
2031 S3	**266**	✓	Normal
2031 S3	**267**	✓	Normal
2031 S3	**268**	✓	Normal
2031 S3	**269**	✓	Normal
2031 S3	**270**	✓	Normal
2031 S3	**271**	✓	Normal
2031 S3	**272**	✓	Normal
2031 S3	**273**	✓	Normal
2031 S3	**274**	✓	Normal
2031 S3	**275**	✓	Normal
2031 S3	**276**	✓	Normal
2031 S3	**277**	✓	Normal
2031 S3	**278**	✓	Normal
2031 S3	**279**	✓	Normal

Signal Timings

Network Default: 88s cycle time; 88 steps

Controller Stream 1

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
1	(untitled)		1	NetworkDefault	88

Controller Stream 1 - Properties

Controller Stream	Manufacturer Name	Type	Model Number	(Telephone) Line Number	Site Number	Grid Reference	Gaining Delay Type
1	Unspecified						Absolute

Controller Stream 1 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
1	✓	✓	Offsets Only		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
1	A	(untitled)	7	300	0	0	Not Specified
1	B	(untitled)	7	300	0	0	Not Specified
1	C	(untitled)	7	300	0	0	Not Specified

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
1	1	A	1
1	2	B,C	1

Losing/ Gaining delays at each Controller Stream

Controller Stream	Delay	Type	Phase	From Stage	To Stage	Relative Delay	Absolute Delay
1	1	Losing	B	2	1	9	
1	2	Gaining	A	2	1	0	10
1	3	Losing	A	1	2	2	

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
1	1	(untitled)	Single	1,2	71,30

Resultant Stages

Controller Stream	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)
1	1	✓	1	A	44	71	27	1	5
1	2	✓	2	B,C	78	30	40	1	7

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
1	A	1	✓	44	73	29
1	B	1	✓	78	39	49
1	C	1	✓	78	30	40

Intergreen Matrix for Controller Stream 1

		To		
		A	B	C
From	A		5	5
	B	5		
	C	14		

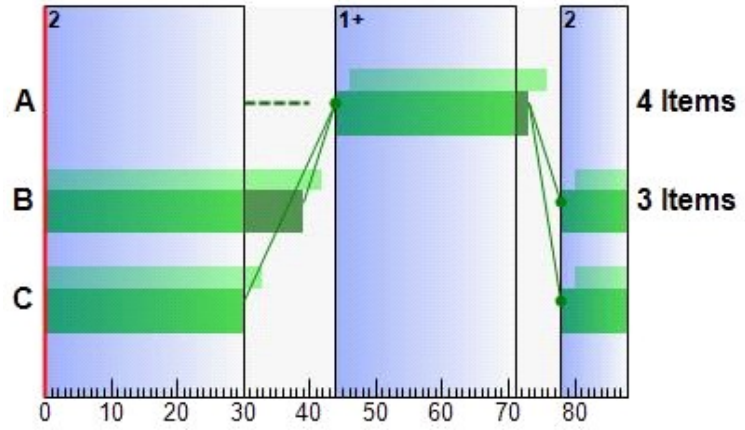
Interstage Matrix for Controller Stream 1

		To	
		1	2
From	1	0	7
	2	14	0

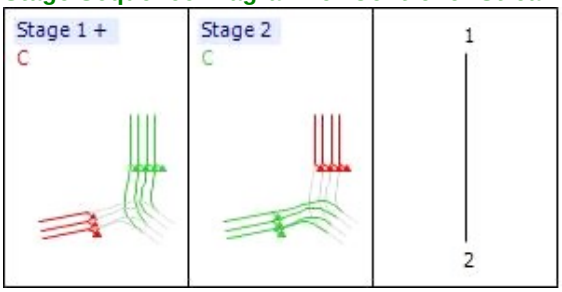
Banned Stage transitions for Controller Stream 1

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 1



Stage Sequence Diagram for Controller Stream 1



Controller Stream 2

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
2	(untitled)		1	NetworkDefault	88

Controller Stream 2 - Properties

Controller Stream	Manufacturer Name	Type	Model Number	(Telephone) Line Number	Site Number	Grid Reference	Gaining Delay Type
2	Unspecified						Absolute

Controller Stream 2 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
2	✓	✓	Offsets Only		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
2	A	(untitled)	7	300	0	0	Not Specified
2	B	(untitled)	7	300	0	0	Not Specified
2	C	(untitled)	5	300	0	0	Not Specified

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
2	1	A	1
2	2	B,C	1

Losing/ Gaining delays at each Controller Stream

Controller Stream	Delay	Type	Phase	From Stage	To Stage	Relative Delay
2	1	Losing	B	2	1	5

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
2	1	(untitled)	Single	1,2	37,79

Resultant Stages

Controller Stream	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)
2	1	✓	1	A	1	37	36	1	7
2	2	✓	2	B,C	42	79	37	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
2	A	1	✓	1	37	36
2	B	1	✓	42	84	42
2	C	1	✓	42	79	37

Intergreen Matrix for Controller Stream 2

		To		
		A	B	C
From	A		5	5
	B	5		
	C	10		

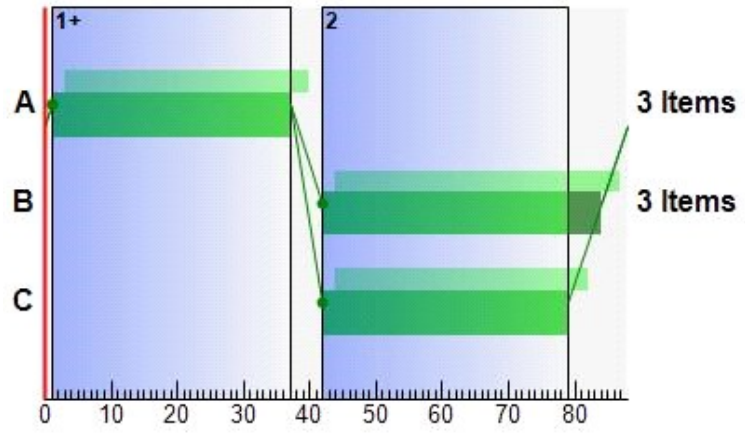
Interstage Matrix for Controller Stream 2

		To	
		1	2
From	1	0	5
	2	10	0

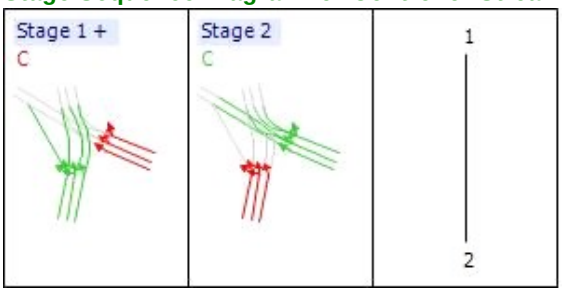
Banned Stage transitions for Controller Stream 2

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 2



Stage Sequence Diagram for Controller Stream 2



Controller Stream 3

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
3	(untitled)		1	NetworkDefault	88

Controller Stream 3 - Properties

Controller Stream	Manufacturer Name	Type	Model Number	(Telephone) Line Number	Site Number	Grid Reference	Gaining Delay Type
3	Unspecified						Absolute

Controller Stream 3 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
3	✓	✓	Offsets Only		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
3	**A**	(untitled)	7	300	0	0	Not Specified
3	**B**	(untitled)	7	300	0	0	Not Specified
3	**C**	(untitled)	5	300	0	0	Not Specified

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
3	**1**	A	1
3	**2**	B,C	1

Losing/ Gaining delays at each Controller Stream

Controller Stream	Delay	Type	Phase	From Stage	To Stage	Relative Delay
3	1	Losing	B	2	1	9

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
3	1	(untitled)	Single	1,2	56,11

Resultant Stages

Controller Stream	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)
3	1	✓	1	A	25	56	31	1	7
3	2	✓	2	B,C	61	11	38	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
3	A	1	✓	25	56	31
3	B	1	✓	61	20	47
3	C	1	✓	61	11	38

Intergreen Matrix for Controller Stream 3

		To		
		A	B	C
From	A		5	5
	B	5		
	C	14		

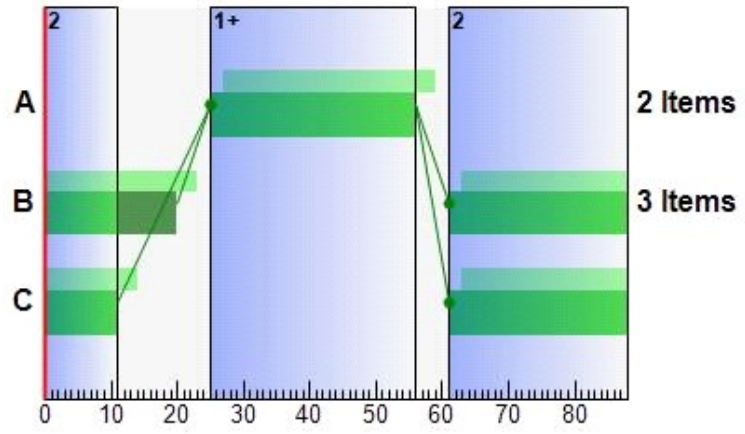
Interstage Matrix for Controller Stream 3

		To	
		1	2
From	1	0	5
	2	14	0

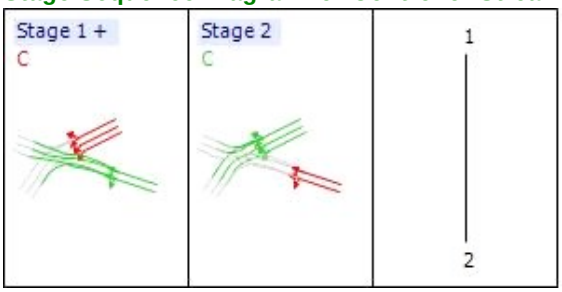
Banned Stage transitions for Controller Stream 3

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 3



Stage Sequence Diagram for Controller Stream 3



Controller Stream 5

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
5	(untitled)		1	NetworkDefault	88

Controller Stream 5 - Properties

Controller Stream	Manufacturer Name	Type	Model Number	(Telephone) Line Number	Site Number	Grid Reference	Gaining Delay Type
5	Unspecified						Absolute

Controller Stream 5 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
5	✓	✓	Offsets Only		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
5	**A**	(untitled)	7	300	0	0	Not Specified
5	**B**	(untitled)	5	300	0	0	Not Specified

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
5	**1**	A	1
5	**2**	B	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
5	**1**	(untitled)	Single	1,2	40,50

Resultant Stages

Controller Stream	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)
5	**1**	✓	1	A	61	40	67	1	7
5	**2**	✓	2	B	45	50	5	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
5	**A**	**1**	✓	61	40	67
5	**B**	**1**	✓	45	50	5

Intergreen Matrix for Controller Stream 5

		To	
		A	**B**
From	**A**		5
	B	11	

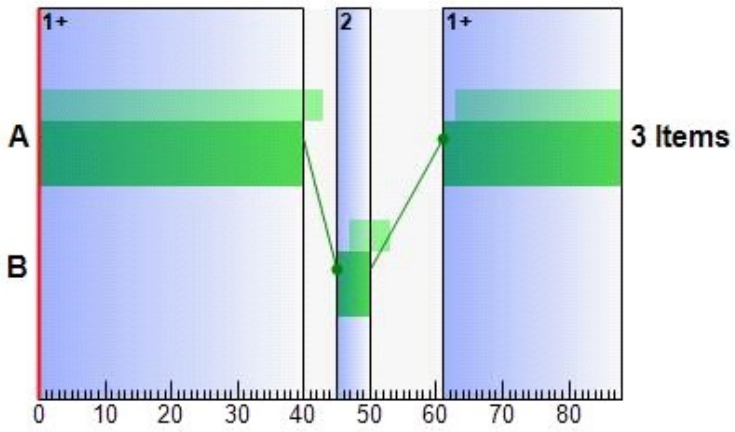
Interstage Matrix for Controller Stream 5

		To	
		1	**2**
From	**1**	0	5
	2	11	0

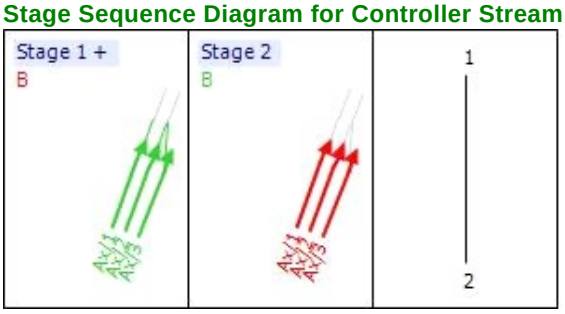
Banned Stage transitions for Controller Stream 5

		To	
		1	**2**
From	**1**		
	2		

Phase Timings Diagram for Controller Stream 5



Stage Sequence Diagram for Controller Stream 5



Controller Stream 6

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
6	(untitled)		1	NetworkDefault	88

Controller Stream 6 - Properties

Controller Stream	Manufacturer Name	Type	Model Number	(Telephone) Line Number	Site Number	Grid Reference	Gaining Delay Type
6	Unspecified						Absolute

Controller Stream 6 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
6	✓	✓	Offsets Only		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
6	**A**	(untitled)	7	300	0	0	Not Specified
6	**B**	(untitled)	5	300	0	0	Not Specified

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
6	**1**	A	1
6	**2**	B	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
6	**1**	(untitled)	Single	1,2	22,32

Resultant Stages

Controller Stream	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)
6	**1**	✓	1	A	40	22	70	1	7
6	**2**	✓	2	B	27	32	5	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
6	**A**	**1**	✓	40	22	70
6	**B**	**1**	✓	27	32	5

Intergreen Matrix for Controller Stream 6

		To	
		A	B
From	A		5
	B	8	

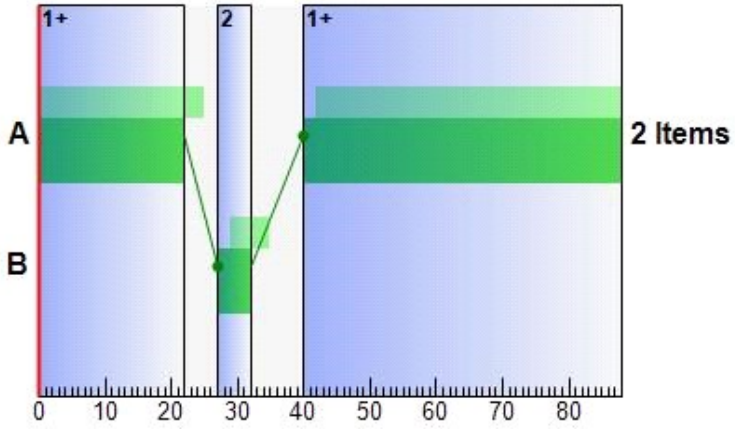
Interstage Matrix for Controller Stream 6

		To	
		1	2
From	1	0	5
	2	8	0

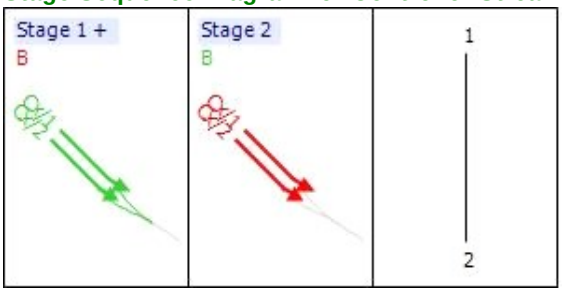
Banned Stage transitions for Controller Stream 6

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 6



Stage Sequence Diagram for Controller Stream 6



Controller Stream 7

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
7	(untitled)		1	NetworkDefault	88

Controller Stream 7 - Properties

Controller Stream	Manufacturer Name	Type	Model Number	(Telephone) Line Number	Site Number	Grid Reference	Gaining Delay Type
7	Unspecified						Absolute

Controller Stream 7 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
7	✓	✓	Offsets Only		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
7	A	(untitled)	7	300	0	0	Not Specified
7	B	(untitled)	5	300	0	0	Not Specified

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
7	1	A	1
7	2	B	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
7	1	(untitled)	Single	1,2	41,51

Resultant Stages

Controller Stream	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)
7	1	✓	1	A	61	41	68	1	7
7	2	✓	2	B	46	51	5	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
7	A	1	✓	61	41	68
7	B	1	✓	46	51	5

Intergreen Matrix for Controller Stream 7

		To	
		A	B
From	A		5
	B	10	

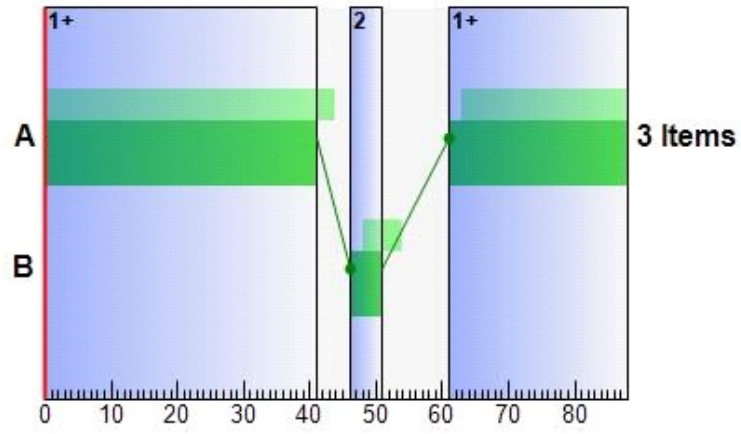
Interstage Matrix for Controller Stream 7

		To	
		1	2
From	1	0	5
	2	10	0

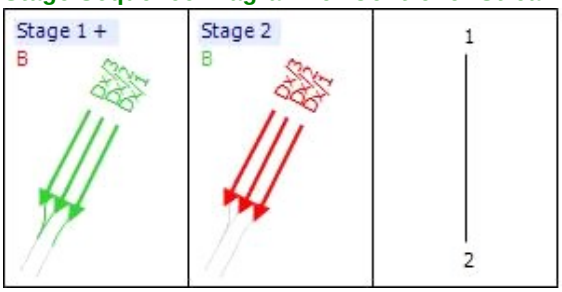
Banned Stage transitions for Controller Stream 7

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 7



Stage Sequence Diagram for Controller Stream 7



Controller Stream 8

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
8	(untitled)		1	NetworkDefault	88

Controller Stream 8 - Properties

Controller Stream	Manufacturer Name	Type	Model Number	(Telephone) Line Number	Site Number	Grid Reference	Gaining Delay Type
8	Unspecified						Absolute

Controller Stream 8 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
8	✓	✓	Offsets Only		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
8	**A**	(untitled)	7	300	0	0	Not Specified
8	**B**	(untitled)	7	300	0	0	Not Specified

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
8	**1**	A	1
8	**2**	B	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
8	**1**	(untitled)	Single	1,2	49,61

Resultant Stages

Controller Stream	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)
8	**1**	✓	1	A	66	49	71	1	7
8	**2**	✓	2	B	54	61	7	1	7

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
8	**A**	**1**	✓	66	49	71
8	**B**	**1**	✓	54	61	7

Intergreen Matrix for Controller Stream 8

		To	
		A	**B**
From	**A**		5
	B	5	

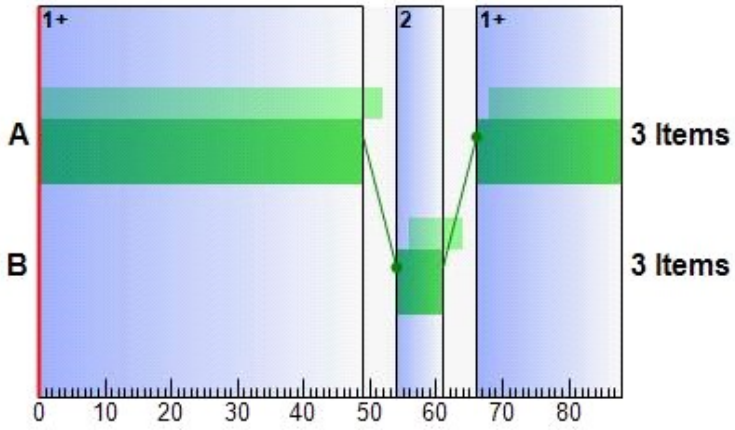
Interstage Matrix for Controller Stream 8

		To	
		1	**2**
From	**1**	0	5
	2	5	0

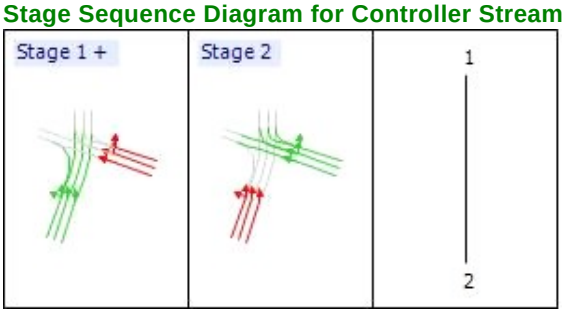
Banned Stage transitions for Controller Stream 8

		To	
		1	**2**
From	**1**		
	2		

Phase Timings Diagram for Controller Stream 8



Stage Sequence Diagram for Controller Stream 8



Controller Stream 9

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
9	(untitled)		1	NetworkDefault	88

Controller Stream 9 - Properties

Controller Stream	Manufacturer Name	Type	Model Number	(Telephone) Line Number	Site Number	Grid Reference	Gaining Delay Type
9	Unspecified						Absolute

Controller Stream 9 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
9	✓	✓	Offsets Only		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
9	**A**	(untitled)	7	300	0	0	Not Specified
9	**B**	(untitled)	7	300	0	0	Not Specified

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
9	**1**	A	1
9	**2**	B	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
9	**1**	(untitled)	Single	1,2	64,48

Resultant Stages

Controller Stream	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)
9	**1**	✓	1	A	53	64	11	1	7
9	**2**	✓	2	B	69	48	67	1	7

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
9	**A**	**1**	✓	53	64	11
9	**B**	**1**	✓	69	48	67

Intergreen Matrix for Controller Stream 9

		To	
		A	B
From	A		5
	B	5	

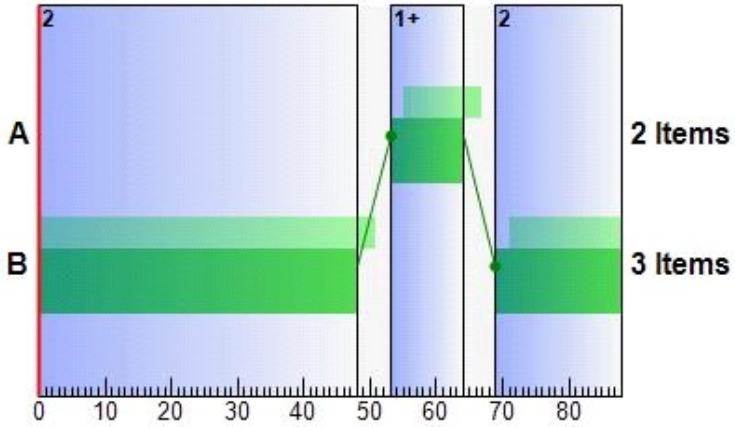
Interstage Matrix for Controller Stream 9

		To	
		1	2
From	1	0	5
	2	5	0

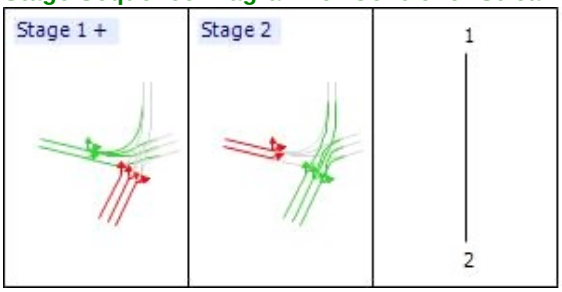
Banned Stage transitions for Controller Stream 9

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 9



Stage Sequence Diagram for Controller Stream 9



Controller Stream 10

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
10	(untitled)		1	NetworkDefault	88

Controller Stream 10 - Properties

Controller Stream	Manufacturer Name	Type	Model Number	(Telephone) Line Number	Site Number	Grid Reference	Gaining Delay Type
10	Unspecified						Absolute

Controller Stream 10 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
10	✓	✓	Offsets Only		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
10	A	(untitled)	7	300	0	0	Not Specified
10	B	(untitled)	7	300	0	0	Not Specified

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
10	1	A	1
10	2	B	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
10	1	(untitled)	Single	1,2	21,76

Resultant Stages

Controller Stream	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)
10	1	✓	1	A	81	21	28	1	7
10	2	✓	2	B	26	76	50	1	7

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
10	A	1	✓	81	21	28
10	B	1	✓	26	76	50

Intergreen Matrix for Controller Stream 10

		To	
		A	B
From	A		5
	B	5	

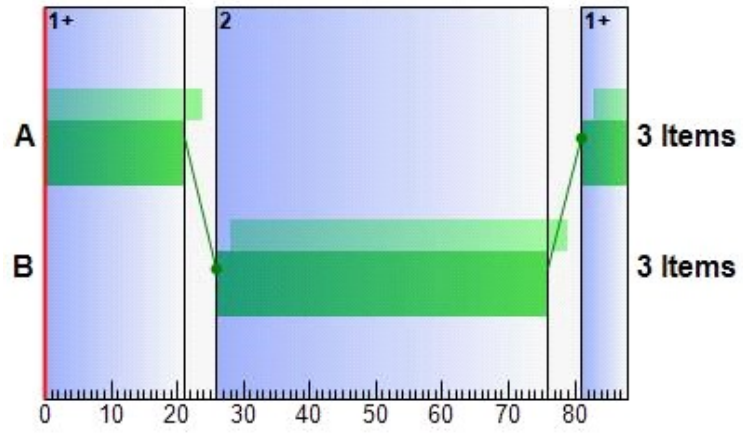
Interstage Matrix for Controller Stream 10

		To	
		1	2
From	1	0	5
	2	5	0

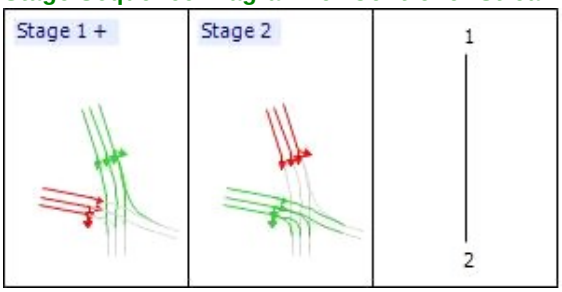
Banned Stage transitions for Controller Stream 10

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 10



Stage Sequence Diagram for Controller Stream 10



Controller Stream 11

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
11	(untitled)		1	NetworkDefault	88

Controller Stream 11 - Properties

Controller Stream	Manufacturer Name	Type	Model Number	(Telephone) Line Number	Site Number	Grid Reference	Gaining Delay Type
11	Unspecified						Absolute

Controller Stream 11 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
11	✓	✓	Offsets Only		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
11	**A**	(untitled)	7	300	0	0	Not Specified
11	**B**	(untitled)	7	300	0	0	Not Specified

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
11	**1**	A	1
11	**2**	B	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
11	**1**	(untitled)	Single	1,2	58,29

Resultant Stages

Controller Stream	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)
11	**1**	✓	1	A	34	58	24	1	7
11	**2**	✓	2	B	63	29	54	1	7

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
11	**A**	**1**	✓	34	58	24
11	**B**	**1**	✓	63	29	54

Intergreen Matrix for Controller Stream 11

		To	
		A	**B**
From	**A**		5
	B	5	

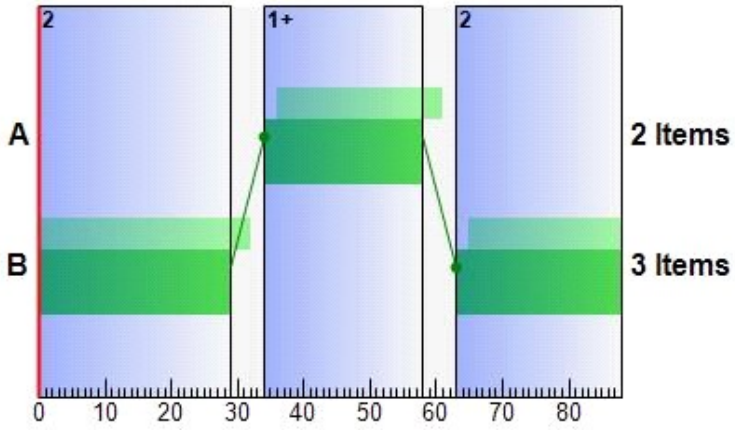
Interstage Matrix for Controller Stream 11

		To	
		1	**2**
From	**1**	0	5
	2	5	0

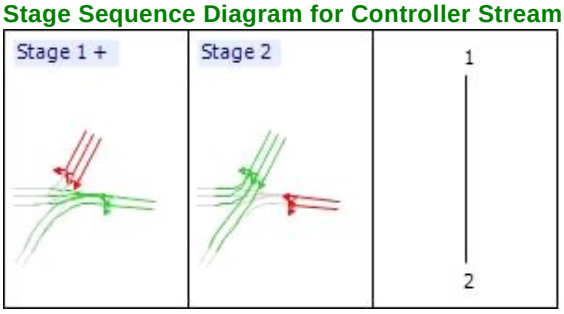
Banned Stage transitions for Controller Stream 11

		To	
		1	**2**
From	**1**		
	2		

Phase Timings Diagram for Controller Stream 11



Stage Sequence Diagram for Controller Stream 11



Final Prediction Table

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES	
Arm	Traffic Stream	Name	Traffic Node	Controller Stream	Phase	Calculated Flow Entering (PCU/hr)	Calculated Sat Flow (PCU/hr)	Actual Green (s (per cycle))	Wasted Time Total (s (per cycle))	Degree Of Saturation (%)	Practical Reserve Capacity (%)	Journey Time Per PCU (s)	Mean Delay Per PCU (s)	Mean Stops Per PCU (%)	Mean Max Queue (PCU)	Max End Of Red Queu (PCU
A	1	(untitled)	1	1	A	475	2128	29	0.00	66	37	39.60	27.60	93.40	11.06	8.64
A	2	(untitled)	1	1	A	718	2279	29	0.00	92!	-3	68.58	50.58	117.51	21.46	15.6
A	3	A38 North Entry	1	1	A	455	2279	29	0.00	59	54	44.08	26.08	77.77	8.89	7.31
A	4	(untitled)	1	1	A	819 <	2279	29	0.00	105!	-15	167.14	149.14	203.48	46.67 +	39.6
Ax1	1	(untitled)	21			582 <	1800	88	18.00	32	178	2.94	0.54	4.18	4.18 +	
Ax1	2	(untitled)	21			1766 <	1800	88	1.00	98!	-8	40.41	38.01	123.69	56.85 +	
Ax2	1	A38 North Exit	17			1412	1800	88	0.00	78	15	13.40	3.80	14.38	10.52	
Ax2	2	A38 North Exit	17			936	1800	88	0.00	52	73	10.68	1.08	0.00	0.28	
B	1	(untitled)	2			26	221	88	65.00	12	665	5.50	3.26	23.11	0.17	
B	2	(untitled)	2			23	144	88	46.00	16	464	22.76	20.53	66.27	0.39	
Bc1	1	(untitled)	2			782	1800	88	0.00	43	107	3.00	0.77	0.00	0.17	
Bc1	2	(untitled)	2			1258	1800	88	1.00	70	29	4.55	2.31	0.00	0.81	
Bc1	3	(untitled)	2			659	1800	88	33.00	37	146	2.81	0.58	0.00	0.11	
Bc1	4	(untitled)	2			981	1800	88	46.00	54	65	3.43	1.20	0.00	0.33	
C	1	(untitled)	3	3	A	785	3051 f	31	0.00	71	27	37.17	25.98	78.78	15.89	13.0
C	2	(untitled)	3	3	A	789	3051 f	31	0.00	71	27	37.26	26.08	78.93	15.99	13.1
Cx1	1	(untitled)				1399	1800	88	10.00	78	16	12.17	4.71	47.17	15.96	
D	1	(untitled)	4	2	A	802	2159	36	0.00	88	2	54.27	37.49	101.59	21.16	14.4
D	2	(untitled)	4	2	A	862	2317	36	19.00	88	2	53.55	36.78	100.91	22.57	15.3
D	3	(untitled)	4	2	A	860	2317	36	19.00	88	2	53.29	36.51	100.51	22.46	15.2
Ac	1	(untitled)	1	1	B	391	2112	49	0.00	33	176	13.56	9.53	40.56	4.22	3.44
Ac	2	(untitled)	1	1	B	540 <	2263	49	7.00	42	114	14.73	10.70	54.96	7.95 +	5.31
Ac	3	(untitled)	1	1	B	408 <	2263	49	39.00	32	184	14.81	10.79	79.99	9.07 +	5.03
Ax	1	(untitled)	8	5	A	582	1965	67	2.00	38	135	7.84	2.25	19.56	4.56	1.90
Ax	2	(untitled)	8	5	A	1169	2105	67	68.00	72	25	15.54	9.38	42.22	12.27	9.50

Ax	**3**	(untitled)	8	5	A	597	2105	67	68.00	37	145	12.28	6.69	47.61	7.46	5.46
Bc	**1**	(untitled)	6			866	1800	88	1.00	48	87	8.82	1.36	18.25	9.44	
Bc	**2**	(untitled)	6			1258 <	1800	88	1.00	70	29	13.50	4.09	44.69	18.04 +	
Bc	**3**	(untitled)	6			659	1800	88	34.00	37	146	11.42	0.83	13.85	6.26	
Bc	**4**	(untitled)	6			981 <	1800	88	30.00	54	65	11.16	3.70	52.81	20.52 +	
Bx	**1**	(untitled)				85	1800	88	53.00	5	1808	7.51	0.05	0.00	0.00	
Cc	**1**	(untitled)	3	3	B	667 <	2059	47	0.00	59	52	12.80	7.95	31.14	6.27 +	3.36
Cc	**2**	(untitled)	3	3	B	660	2209	47	0.00	55	64	8.15	3.30	6.83	1.18	1.07
Cc	**3**	(untitled)	3	3	B	1003 <	2181	47	0.00	84	7	15.31	10.46	39.13	14.40 +	4.56
Cx	**1**	A4097 Kinsbury Road Exit	9	6	A	800	2120	70	0.00	47	93	7.77	2.18	13.35	3.20	2.49
Cx	**2**	A4097 Kinsbury Road Exit	9	6	A	599	2120	70	0.00	35	157	7.76	2.17	15.97	2.80	2.25
Dc	**1**	(untitled)	4	2	B	461	2059	42	19.00	46	96	18.17	11.46	93.58	11.09	6.91
Dc	**2**	(untitled)	4	2	B	743	2172	42	0.00	70	28	27.98	21.27	78.74	14.51	10.7
Dc	**3**	(untitled)	4	2	B	412	2185	42	20.00	39	133	16.07	9.36	86.14	9.27	6.01
Dx	**1**	(untitled)	7	7	A	991	1915	68	1.00	66	36	6.47	3.34	14.46	5.45	2.53
Dx	**2**	(untitled)	7	7	A	660	2055	68	18.00	41	120	3.91	0.77	0.00	0.14	0.14
Dx	**3**	(untitled)	7	7	A	637	2055	68	18.00	40	128	3.86	0.73	0.00	0.13	0.13
Dx1	**1**	A38 South Exit				991	2155	88	5.00	46	96	14.69	0.71	0.00	0.20	
Dx1	**2**	A38 South Exit				1297	2155	88	24.00	60	50	17.60	3.62	51.60	28.98	
E	**1**	(untitled)	5			359	383	88	0.00	94!	-4	83.50	68.59	137.02	13.03	
E	**2**	(untitled)	5			714	765	88	8.00	93!	-4	62.28	47.37	117.22	21.71	
F	**1**	(untitled)	10	8	A	1412	2134	71	0.00	81	11	23.63	7.97	40.53	15.93	7.93
F	**2**	(untitled)	10	8	A	727	2284	71	0.00	39	131	18.62	2.96	24.63	4.90	3.61
F	**3**	(untitled)	10	8	A	209	2284	71	0.00	11	705	18.43	2.78	27.95	1.62	1.46
Ec	**1**	(untitled)	5			480	1800	88	28.00	27	237	4.09	0.36	0.00	0.05	
Ec	**2**	(untitled)	5			1067 <	1800	88	21.00	59	52	8.35	4.62	56.52	21.08 +	
Ec	**3**	(untitled)	5			1067 <	1800	88	21.00	59	52	8.33	4.60	56.25	21.03 +	
Ex	**1**	(untitled)				988	1800	88	18.00	55	64	8.98	1.52	13.62	9.35	
Ex	**2**	(untitled)				538	1800	88	38.00	30	201	7.91	0.46	1.93	2.64	
Fc	**1**	(untitled)	10	8	B	71	2166	7	0.00	36	150	25.89	17.01	81.09	1.52	1.36
Fc	**2**	(untitled)	10	8	B	165	2317	7	0.00	78	15	60.68	52.40	123.56	5.24	4.66
Fc	**3**	(untitled)	10	8	B	31	2317	7	2.00	15	512	20.83	12.55	68.48	0.57	0.57
Fx	**1**	(untitled)	20			1224	2112	88	0.00	58	55	22.80	1.17	0.00	0.40	
Fx	**2**	(untitled)	20			1244	2263	88	0.00	55	64	22.59	0.97	0.00	0.33	
Fx1	**1**	(untitled)	22			1193	1800	88	0.00	66	36	13.96	1.96	0.00	0.65	
Fx1	**2**	(untitled)	22			1274	1800	88	88.00	71	27	14.46	2.46	5.25	6.42	
G	**1**	(untitled)	11	9	A	293 <	2123	11	0.00	101!	-11	153.83	148.17	192.08	16.00 +	15.1
G	**2**	(untitled)	11	9	A	313	3174 f	11	0.00	72	24	51.81	46.14	102.30	8.05	7.53
G1	**1**	(untitled)	14			606	2112	88	35.00	29	214	4.82	0.34	0.00	0.06	

Gc	1	(untitled)	11	9	B	674	2166	67	0.00	40	123	10.60	2.77	15.89	2.71	2.52
Gc	2	(untitled)	11	9	B	758	2317	67	0.00	42	113	10.68	2.85	15.85	3.38	2.80
Gc	3	(untitled)	11	9	B	209	2317	67	1.00	12	671	9.97	2.14	13.25	0.68	0.68
Gx	1 NBT	(untitled)	18			840	2112	88	7.00	40	126	4.74	0.56	0.00	0.13	
Gx	2 NBT	(untitled)	18			134	2263	88	81.00	6	1420	4.23	0.05	0.00	0.00	
Gx1	1 NBT	(untitled)				974 <	1965	88	0.00	50	82	2.57	1.07	7.99	4.68 +	
H	1	(untitled)	12	10	A	472	2134	28	0.00	67	34	37.72	30.56	88.18	10.51	8.41
H	2	(untitled)	12	10	A	507	2284	28	0.00	67	34	37.46	30.31	87.91	11.25	9.00
H	3	(untitled)	12	10	A	63	2284	28	0.00	8	975	27.76	20.60	66.15	1.05	1.04
I	1	(untitled)	13	11	A	518 <	2123	24	0.00	86	5	51.17	46.69	109.33	14.37 +	11.4
I	2	(untitled)	13	11	A	555 <	2562 f	24	0.00	76	18	39.68	35.20	94.79	13.38 +	10.9
H1	1	(untitled)	15			979	2112	88	0.00	46	94	8.19	0.74	0.00	0.20	
H1	2	(untitled)	15			63	2263	88	0.00	3	3133	7.48	0.02	0.00	0.00	
Hc	1	(untitled)	12	10	B	112	2166	50	5.00	9	912	17.21	9.72	44.31	1.26	1.20
Hc	2	(untitled)	12	10	B	357	2317	50	3.00	27	238	14.77	6.94	26.84	2.40	2.27
Hc	3	(untitled)	12	10	B	386	2317	50	30.00	29	213	12.90	5.41	46.60	6.14	1.49
Hx	1	(untitled)				715	2112	88	0.00	34	166	7.89	0.44	0.00	0.09	
Hx	2	(untitled)				674	2263	88	14.00	30	202	7.79	0.34	0.00	0.06	
I1	1	(untitled)	16			1073	2112	88	28.00	51	77	8.34	0.88	0.00	0.26	
Ic	1	(untitled)	13	11	B	706	2166	54	0.00	52	73	10.89	3.62	9.57	1.66	1.65
Ic	2	(untitled)	13	11	B	893	2317	54	0.00	62	46	11.52	4.25	10.35	2.27	2.26
Ic	3	(untitled)	13	11	B	63	2317	54	26.00	4	1969	7.65	0.38	1.10	0.02	0.02
Ix	1 NBT	(untitled)	19			124	2112	88	41.00	6	1437	3.41	0.05	0.00	0.00	
Ix	2 NBT	(untitled)	19			112	2263	88	40.00	5	1724	3.40	0.04	0.00	0.00	
Ix1	1 NBT	(untitled)				235	2112	88	36.00	11	708	1.23	0.11	0.21	0.60	

Network Results

	Distance Travelled (PCU-km/hr)	Time Spent (PCU-hr/hr)	Mean Journey Speed (kph)	Uniform Delay (PCU-hr/hr)	Random Plus Oversat 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)
TOTAL	6235.71	274.66	22.70	77.80	68.41	1693.88	581.07	496.17	2771.11
BUSES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRAMS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PEDESTRIANS									
OTHER (NORMAL)	6672.33	352.03	18.95	104.19	105.72	2060.60	591.74	792.51	3444.85

- *B = at least one source for this link carries buses*
- *T = at least one source for this link carries trams*
- *P = this link is a pedestrian link*
- *< = adjusted flow warning (upstream links are over-saturated)*
- *! = DoS threshold exceeded*
- *f = average saturation flow for flared link*
- ** = Traffic Stream - Normal, Bus or Tram Stop or Delay weighting has been set to a value other than 100%*
- *^ = Traffic Stream - Normal, Bus or Tram Stop or Delay Path weighting has been set to a value other than 100%*
- *+ = average link excess queue is greater than 0*
- ***P.I. = PERFORMANCE INDEX***

Traffic Stream Results

Traffic Stream Results: Vehicle Summary

Time Segment	Arm	Traffic Stream	Degree Of Saturation (%)	Practical Reserve Capacity (%)	Calculated Flow Entering (PCU/hr)	Calculated Sat Flow (PCU/hr)	Actual Green (s (per cycle))	Mean Delay Per PCU (s)	Mean Max Queue (PCU)	Utilised Storage (%)	Weighted Cost Of Delay (£ per hr)	Weighted Cost Of Stops (£ per hr)	Performance Index (£ per hr)
17:00-18:00	A	1	66	37	475	2128	29	27.60	11.06	63.61	20.70	1.11	21.82
17:00-18:00	A	2	92!	-3	718	2279	29	50.58	21.46	82.25	57.30	2.12	59.42
17:00-18:00	A	3	59	54	455	2279	29	26.08	8.89	34.06	18.72	0.89	19.61
17:00-18:00	A	4	105!	-15	819	2279	29	149.14	46.67	178.91	192.77	3.96	196.73
17:00-18:00	Ax1	1	32	178	582	1800	88	0.54	4.18	120.23	1.25	0.31	1.55
17:00-18:00	Ax1	2	98!	-8	1766	1800	88	38.01	56.85	1634.49	264.79	27.39	292.18
17:00-18:00	Ax2	1	78	15	1412	1800	88	3.80	10.52	75.59	21.17	2.55	23.72
17:00-18:00	Ax2	2	52	73	936	1800	88	1.08	0.28	2.02	3.99	0.00	3.99
17:00-18:00	B	1	12	665	26	221	88	3.26	0.17	3.20	0.33	0.20	0.53
17:00-18:00	B	2	16	464	23	144	88	20.53	0.39	7.39	1.86	0.50	2.36
17:00-18:00	Bc1	1	43	107	782	1800	88	0.77	0.17	3.19	2.36	0.00	2.36
17:00-18:00	Bc1	2	70	29	1258	1800	88	2.31	0.81	15.46	11.45	0.00	11.45
17:00-18:00	Bc1	3	37	146	659	1800	88	0.58	0.11	2.02	1.50	0.00	1.50
17:00-18:00	Bc1	4	54	65	981	1800	88	1.20	0.33	6.24	4.62	0.00	4.62
17:00-18:00	C	1	71	27	785	3051	31	25.98	15.89	45.70	32.18	0.00	32.18
17:00-18:00	C	2	71	27	789	3051	31	26.08	15.99	45.97	32.46	0.00	32.46
17:00-18:00	Cx1	1	78	16	1399	1800	88	4.71	15.96	91.75	25.99	21.42	47.41
17:00-18:00	D	1	88	2	802	2159	36	37.49	21.16	40.56	47.44	0.00	47.44
17:00-18:00	D	2	88	2	862	2317	36	36.78	22.57	43.25	50.02	0.00	50.02
17:00-18:00	D	3	88	2	860	2317	36	36.51	22.46	43.04	49.54	0.00	49.54
17:00-18:00	Ac	1	33	176	391	2112	49	9.53	4.22	60.25	14.70	5.15	19.85
17:00-18:00	Ac	2	42	114	540	2263	49	10.70	7.95	113.63	22.80	9.64	32.44
17:00-18:00	Ac	3	32	184	408	2263	49	10.79	9.07	129.59	17.36	10.60	27.96
17:00-18:00	Ax	1	38	135	582	1965	67	2.25	4.56	26.20	5.16	6.57	11.74
17:00-18:00	Ax	2	72	25	1169	2105	67	9.38	12.27	70.53	43.27	26.96	70.23
17:00-18:00	Ax	3	37	145	597	2105	67	6.69	7.46	42.89	15.74	16.41	32.15
17:00-18:00	Bc	1	48	87	866	1800	88	1.36	9.44	54.27	4.65	5.13	9.78

17:00-18:00	Bc	2	70	29	1258	1800	88	4.09	18.04	103.72	20.31	16.39	36.70
17:00-18:00	Bc	3	37	146	659	1800	88	0.83	6.26	35.98	2.16	1.17	3.33
17:00-18:00	Bc	4	54	65	981	1800	88	3.70	20.52	117.97	14.32	16.82	31.14
17:00-18:00	Bx	1	5	1808	85	1800	88	0.05	0.00	0.01	0.02	0.00	0.02
17:00-18:00	Cc	1	59	52	667	2059	47	7.95	6.27	104.58	20.91	6.75	27.85
17:00-18:00	Cc	2	55	64	660	2209	47	3.30	1.18	19.62	8.59	1.46	10.05
17:00-18:00	Cc	3	84	7	1003	2181	47	10.46	14.40	240.06	41.38	12.75	105.20
17:00-18:00	Cx	1	47	93	800	2120	70	2.18	3.20	18.43	6.86	6.16	13.02
17:00-18:00	Cx	2	35	157	599	2120	70	2.17	2.80	16.08	5.12	5.52	10.64
17:00-18:00	Dc	1	46	96	461	2059	42	11.46	11.09	70.87	208.35	140.10	348.45
17:00-18:00	Dc	2	70	28	743	2172	42	21.27	14.51	92.70	62.37	19.01	85.69
17:00-18:00	Dc	3	39	133	412	2185	42	9.36	9.27	59.21	15.21	11.53	26.74
17:00-18:00	Dx	1	66	36	991	1915	68	3.34	5.45	55.97	13.06	8.27	21.33
17:00-18:00	Dx	2	41	120	660	2055	68	0.77	0.14	1.46	2.02	0.00	2.02
17:00-18:00	Dx	3	40	128	637	2055	68	0.73	0.13	1.32	1.83	0.00	1.83
17:00-18:00	Dx1	1	46	96	991	2155	88	0.71	0.20	0.45	2.78	0.00	2.78
17:00-18:00	Dx1	2	60	50	1297	2155	88	3.62	28.98	66.66	18.49	38.62	57.11
17:00-18:00	E	1	94!	-4	359	383	88	68.59	13.03	37.45	38.85	15.97	54.83
17:00-18:00	E	2	93!	-4	714	765	88	47.37	21.71	62.42	53.36	27.18	80.54
17:00-18:00	F	1	81	11	1412	2134	71	7.97	15.93	43.61	44.41	18.58	62.99
17:00-18:00	F	2	39	131	727	2284	71	2.96	4.90	13.42	8.49	5.81	14.30
17:00-18:00	F	3	11	705	209	2284	71	2.78	1.62	4.44	2.29	1.90	4.19
17:00-18:00	Ec	1	27	237	480	1800	88	0.36	0.05	0.56	0.69	0.00	0.69
17:00-18:00	Ec	2	59	52	1067	1800	88	4.62	21.08	242.39	19.45	19.58	248.65
17:00-18:00	Ec	3	59	52	1067	1800	88	4.60	21.03	241.87	19.36	19.49	248.07
17:00-18:00	Ex	1	55	64	988	1800	88	1.52	9.35	53.78	5.93	4.37	10.30
17:00-18:00	Ex	2	30	201	538	1800	88	0.46	2.64	15.15	0.97	0.34	1.31
17:00-18:00	Fc	1	36	150	71	2166	7	17.01	1.52	21.77	4.76	0.72	5.48
17:00-18:00	Fc	2	78	15	165	2317	7	52.40	5.24	74.81	34.10	2.94	37.05
17:00-18:00	Fc	3	15	512	31	2317	7	12.55	0.57	8.08	1.53	0.31	1.84

17:00-18:00	Fx	1	58	55	1224	2112	88	1.17	0.40	0.79	5.65	0.00	5.65
17:00-18:00	Fx	2	55	64	1244	2263	88	0.97	0.33	0.66	4.76	0.00	4.76
17:00-18:00	Fx1	1	66	36	1193	1800	88	1.96	0.65	3.73	9.22	0.00	9.22
17:00-18:00	Fx1	2	71	27	1274	1800	88	2.46	6.42	36.92	12.34	0.84	13.18
17:00-18:00	G	1	101!	-11	293	2123	11	148.17	16.00	121.05	85.62	3.61	89.23
17:00-18:00	G	2	72	24	313	3174	11	46.14	8.05	60.90	28.48	2.08	30.56
17:00-18:00	G1	1	29	214	606	2112	88	0.34	0.06	0.55	0.82	0.00	0.82
17:00-18:00	Gc	1	40	123	674	2166	67	2.77	2.71	38.73	7.35	1.55	13.73
17:00-18:00	Gc	2	42	113	758	2317	67	2.85	3.38	48.29	8.53	1.73	21.92
17:00-18:00	Gc	3	12	671	209	2317	67	2.14	0.68	9.69	1.77	0.40	2.17
17:00-18:00	Gx	1	40	126	840	2112	88	0.56	0.13	1.35	1.86	0.00	1.86
17:00-18:00	Gx	2	6	1420	134	2263	88	0.05	0.00	0.02	0.03	0.00	0.03
17:00-18:00	Gx1	1	50	82	974	1965	88	1.07	4.68	134.45	4.13	2.53	6.65
17:00-18:00	H	1	67	34	472	2134	28	30.56	10.51	62.95	56.90	13.52	70.42
17:00-18:00	H	2	67	34	507	2284	28	30.31	11.25	67.38	60.61	14.47	75.08
17:00-18:00	H	3	8	975	63	2284	28	20.60	1.05	6.31	5.12	1.35	6.47
17:00-18:00	I	1	86	5	518	2123	24	46.69	14.37	137.70	38.16	0.00	38.16
17:00-18:00	I	2	76	18	555	2562	24	35.20	13.38	128.19	30.83	0.00	30.83
17:00-18:00	H1	1	46	94	979	2112	88	0.74	0.20	1.15	2.84	0.00	2.84
17:00-18:00	H1	2	3	3133	63	2263	88	0.02	0.00	0.00	0.01	0.00	0.01
17:00-18:00	Hc	1	9	912	112	2166	50	9.72	1.26	18.00	4.28	0.71	5.00
17:00-18:00	Hc	2	27	238	357	2317	50	6.94	2.40	34.24	9.79	1.37	11.16
17:00-18:00	Hc	3	29	213	386	2317	50	5.41	6.14	87.67	8.23	2.60	307.17
17:00-18:00	Hx	1	34	166	715	2112	88	0.44	0.09	0.50	1.23	0.00	1.23
17:00-18:00	Hx	2	30	202	674	2263	88	0.34	0.06	0.36	0.90	0.00	0.90
17:00-18:00	I1	1	51	77	1073	2112	88	0.88	0.26	1.51	3.72	0.00	3.72
17:00-18:00	Ic	1	52	73	706	2166	54	3.62	1.66	23.70	10.08	0.97	11.05
17:00-18:00	Ic	2	62	46	893	2317	54	4.25	2.27	32.48	14.98	1.33	21.60
17:00-18:00	Ic	3	4	1969	63	2317	54	0.38	0.02	0.24	0.09	0.01	0.10
17:00-18:00	Ix	1	6	1437	124	2112	88	0.05	0.00	0.02	0.03	0.00	0.03

17:00-18:00	Ix	2	5	1724	112	2263	88	0.04	0.00	0.02	0.02	0.00	0.02
17:00-18:00	Ix1	1	11	708	235	2112	88	0.11	0.60	23.16	0.10	0.02	0.12

Traffic Stream Results: Flows And Signals

Time Segment	Arm	Traffic Stream	Calculated Flow Entering (PCU/hr)	Calculated Flow Out (PCU/hr)	Flow Discrepancy (PCU/hr)	Adjusted Flow Warning	Calculated Sat Flow (PCU/hr)	Calculated Capacity (PCU/hr)	Degree Of Saturation (%)	DOS Threshold Exceeded	Practical Reserve Capacity (%)	Mean Modulus Of Error	Actual Green (s (per cycle))	Effective Green (s (per cycle))
17:00-18:00	A	1	475	475	0	✓	2128	725	66		37	0.27	29	30
17:00-18:00	A	2	718	718	0		2279	777	92!	✓	-3	0.22	29	30
17:00-18:00	A	3	455	455	0		2279	777	59		54	0.19	29	30
17:00-18:00	A	4	819	777	1	✓	2279	777	105!	✓	-15	0.19	29	30
17:00-18:00	Ax1	1	582	582	-3		1800	1800	32		178	0.70	88	88
17:00-18:00	Ax1	2	1766	1766	-5		1800	1800	98!	✓	-8	0.74	88	88
17:00-18:00	Ax2	1	1412	1412	-1		1800	1800	78		15	0.13	88	88
17:00-18:00	Ax2	2	936	936	-7		1800	1800	52		73	0.20	88	88
17:00-18:00	B	1	26	26	-1		221	221	12		665	0.00	88	88
17:00-18:00	B	2	23	23	2		144	144	16		464	0.00	88	88
17:00-18:00	Bc1	1	782	782	1	✓	1800	1800	43		107	0.58	88	88
17:00-18:00	Bc1	2	1258	1258	0		1800	1800	70		29	0.45	88	88
17:00-18:00	Bc1	3	659	659	0		1800	1800	37		146	0.86	88	88
17:00-18:00	Bc1	4	981	981	43	✓	1800	1800	54		65	0.80	88	88
17:00-18:00	C	1	785	785	0		3051	1109	71		27	0.00	31	32
17:00-18:00	C	2	789	789	-4		3051	1109	71		27	0.00	31	32
17:00-18:00	Cx1	1	1399	1399	0	✓	1800	1800	78		16	0.46	88	88
17:00-18:00	D	1	802	802	-1		2159	908	88		2	0.00	36	37
17:00-18:00	D	2	862	862	-1		2317	974	88		2	0.00	36	37
17:00-18:00	D	3	860	860	0		2317	974	88		2	0.00	36	37
17:00-18:00	Ac	1	391	391	0		2112	1200	33		176	0.28	49	50
17:00-18:00	Ac	2	540	540	0		2263	1286	42		114	0.21	49	50
17:00-18:00	Ac	3	408	408	-1		2263	1286	32		184	0.83	49	50
17:00-18:00	Ax	1	582	582	-3		1965	1518	38		135	0.50	67	68
17:00-18:00	Ax	2	1169	1169	-3		2105	1627	72		25	0.53	67	68

17:00-18:00	Ax	3	597	597	-2		2105	1627	37		145	0.59	67	68
17:00-18:00	Bc	1	866	866	1	✓	1800	1800	48		87	0.66	88	88
17:00-18:00	Bc	2	1258	1258	0		1800	1800	70		29	0.59	88	88
17:00-18:00	Bc	3	659	659	0		1800	1800	37		146	0.88	88	88
17:00-18:00	Bc	4	981	981	43	✓	1800	1800	54		65	0.84	88	88
17:00-18:00	Bx	1	85	85	0		1800	1800	5		1808	1.02	88	88
17:00-18:00	Cc	1	667	667	-1		2059	1123	59		52	0.66	47	48
17:00-18:00	Cc	2	660	660	0		2209	1205	55		64	0.83	47	48
17:00-18:00	Cc	3	1003	1003	44	✓	2181	1190	84		7	0.75	47	48
17:00-18:00	Cx	1	800	800	1	✓	2120	1710	47		93	0.51	70	71
17:00-18:00	Cx	2	599	599	0		2120	1710	35		157	0.18	70	71
17:00-18:00	Dc	1	461	461	0		2059	1006	46		96	1.23	42	43
17:00-18:00	Dc	2	743	743	19	✓	2172	1061	70		28	0.56	42	43
17:00-18:00	Dc	3	412	412	-2		2185	1068	39		133	1.20	42	43
17:00-18:00	Dx	1	991	991	0		1915	1502	66		36	0.51	68	69
17:00-18:00	Dx	2	660	660	0		2055	1611	41		120	0.89	68	69
17:00-18:00	Dx	3	637	637	24	✓	2055	1611	40		128	0.89	68	69
17:00-18:00	Dx1	1	991	991	0		2155	2155	46		96	0.44	88	88
17:00-18:00	Dx1	2	1297	1297	24	✓	2155	2155	60		50	0.79	88	88
17:00-18:00	E	1	359	359	-2		383	383	94!	✓	-4	0.00	88	88
17:00-18:00	E	2	714	714	-1		765	765	93!	✓	-4	0.00	88	88
17:00-18:00	F	1	1412	1412	-1		2134	1746	81		11	0.10	71	72
17:00-18:00	F	2	727	727	-4		2284	1869	39		131	0.13	71	72
17:00-18:00	F	3	209	209	-4		2284	1869	11		705	0.30	71	72
17:00-18:00	Ec	1	480	480	-2		1800	1800	27		237	0.77	88	88
17:00-18:00	Ec	2	1067	1067	-2		1800	1800	59		52	0.77	88	88
17:00-18:00	Ec	3	1067	1067	-1		1800	1800	59		52	0.77	88	88
17:00-18:00	Ex	1	988	988	0		1800	1800	55		64	0.65	88	88
17:00-18:00	Ex	2	538	538	20	✓	1800	1800	30		201	0.95	88	88
17:00-18:00	Fc	1	71	71	-1	✓	2166	197	36		150	1.37	7	8

17:00-18:00	Fc	2	165	165	-1	✓	2317	211	78		15	0.94	7	8
17:00-18:00	Fc	3	31	31	0		2317	211	15		512	1.37	7	8
17:00-18:00	Fx	1	1224	1224	3	✓	2112	2112	58		55	0.32	88	88
17:00-18:00	Fx	2	1244	1244	-1		2263	2263	55		64	0.30	88	88
17:00-18:00	Fx1	1	1193	1193	0	✓	1800	1800	66		36	0.19	88	88
17:00-18:00	Fx1	2	1274	1274	1	✓	1800	1800	71		27	0.26	88	88
17:00-18:00	G	1	293	290	-1		2123	290	101!	✓	-11	0.00	11	12
17:00-18:00	G	2	313	313	0		3174	433	72		24	0.00	11	12
17:00-18:00	G1	1	606	606	-1		2112	2112	29		214	0.00	88	88
17:00-18:00	Gc	1	674	674	-2		2166	1674	40		123	0.28	67	68
17:00-18:00	Gc	2	758	758	-4		2317	1790	42		113	0.34	67	68
17:00-18:00	Gc	3	209	209	-4		2317	1790	12		671	0.57	67	68
17:00-18:00	Gx	1	840	840	1	✓	2112	2112	40		126	0.29	88	88
17:00-18:00	Gx	2	134	134	-1	✓	2263	2263	6		1420	1.74	88	88
17:00-18:00	Gx1	1	974	974	0	✓	1965	1965	50		82	0.30	88	88
17:00-18:00	H	1	472	472	1		2134	703	67		34	0.00	28	29
17:00-18:00	H	2	507	507	0		2284	753	67		34	0.00	28	29
17:00-18:00	H	3	63	63	0		2284	753	8		975	0.00	28	29
17:00-18:00	I	1	518	518	0		2123	603	86		5	0.00	24	25
17:00-18:00	I	2	555	555	-1	✓	2562	728	76		18	0.00	24	25
17:00-18:00	H1	1	979	979	1		2112	2112	46		94	0.00	88	88
17:00-18:00	H1	2	63	63	0		2263	2263	3		3133	0.00	88	88
17:00-18:00	Hc	1	112	112	-2		2166	1255	9		912	0.30	50	51
17:00-18:00	Hc	2	357	357	0	✓	2317	1343	27		238	0.90	50	51
17:00-18:00	Hc	3	386	386	-1		2317	1343	29		213	1.28	50	51
17:00-18:00	Hx	1	715	715	-2		2112	2112	34		166	0.36	88	88
17:00-18:00	Hx	2	674	674	-2		2263	2263	30		202	0.50	88	88
17:00-18:00	I1	1	1073	1073	-1	✓	2112	2112	51		77	0.00	88	88
17:00-18:00	Ic	1	706	706	3	✓	2166	1354	52		73	0.82	54	55
17:00-18:00	Ic	2	893	893	-2		2317	1448	62		46	0.85	54	55

17:00-18:00	Ic	3	63	63	0		2317	1448	4		1969	1.29	54	55
17:00-18:00	Ix	1	124	124	-2		2112	2112	6		1437	0.85	88	88
17:00-18:00	Ix	2	112	112	-2		2263	2263	5		1724	0.98	88	88
17:00-18:00	Ix1	1	235	235	-4		2112	2112	11		708	0.89	88	88

Traffic Stream Results: Stops And Delays

Time Segment	Arm	Traffic Stream	Mean Cruise Time Per PCU (s)	Mean Delay Per PCU (s)	Uniform Delay (PCU-hr/hr)	Random Plus Oversat Delay (PCU-hr/hr)	Unweighted Cost Of Delay (£ per hr)	Weighted Cost Of Delay (£ per hr)	Mean Stops Per PCU (%)	Uniform Stops (Stops per hr)	Random Stops (Stops per hr)	Unweighted Cost Of Stops (£ per hr)	Weighted Cost Of Stops (£ per hr)
17:00-18:00	A	1	12.00	27.60	3.03	0.62	51.76	20.70	93.40	419.18	24.90	5.57	1.11
17:00-18:00	A	2	18.00	50.58	5.36	4.72	143.25	57.30	117.51	662.84	180.85	10.58	2.12
17:00-18:00	A	3	18.00	26.08	2.88	0.41	46.80	18.72	77.77	337.20	16.67	4.44	0.89
17:00-18:00	A	4	18.00	149.14	6.06	27.87	481.92	192.77	203.48	759.40	821.54	19.82	3.96
17:00-18:00	Ax1	1	2.40	0.54	0.01	0.08	1.25	1.25	4.18	21.18	3.15	0.31	0.31
17:00-18:00	Ax1	2	2.40	38.01	4.96	13.68	264.79	264.79	123.69	1666.70	517.66	27.39	27.39
17:00-18:00	Ax2	1	9.60	3.80	0.08	1.41	21.17	21.17	14.38	145.91	57.15	2.55	2.55
17:00-18:00	Ax2	2	9.60	1.08	0.00	0.28	3.99	3.99	0.00	0.00	0.00	0.00	0.00
17:00-18:00	B	1	2.24	3.26	0.02	0.01	0.33	0.33	23.11	5.69	0.32	0.20	0.20
17:00-18:00	B	2	2.24	20.53	0.12	0.02	1.86	1.86	66.27	14.63	0.61	0.50	0.50
17:00-18:00	Bc1	1	2.24	0.77	0.00	0.17	2.36	2.36	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Bc1	2	2.24	2.31	0.00	0.81	11.45	11.45	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Bc1	3	2.24	0.58	0.00	0.11	1.50	1.50	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Bc1	4	2.24	1.20	0.00	0.33	4.62	4.62	0.00	0.00	0.00	0.00	0.00
17:00-18:00	C	1	11.19	25.98	4.82	0.85	80.45	32.18	78.78	584.13	34.33	35.70	0.00
17:00-18:00	C	2	11.19	26.08	4.85	0.87	81.15	32.46	78.93	587.68	35.10	35.95	0.00
17:00-18:00	Cx1	1	7.46	4.71	0.49	1.34	25.99	25.99	47.17	500.11	159.61	21.42	21.42
17:00-18:00	D	1	16.78	37.49	5.24	3.11	118.61	47.44	101.59	692.27	122.48	47.03	0.00
17:00-18:00	D	2	16.78	36.78	5.64	3.17	125.04	50.02	100.91	744.91	124.93	50.21	0.00
17:00-18:00	D	3	16.78	36.51	5.61	3.11	123.85	49.54	100.51	741.86	122.53	49.90	0.00
17:00-18:00	Ac	1	4.03	9.53	0.96	0.08	14.70	14.70	40.56	155.36	3.21	5.15	5.15
17:00-18:00	Ac	2	4.03	10.70	1.45	0.15	22.80	22.80	54.96	290.61	6.19	9.64	9.64

17:00-18:00	Ac	3	4.03	10.79	1.15	0.07	17.36	17.36	79.99	323.37	3.01	10.60	10.60
17:00-18:00	Ax	1	5.59	2.25	0.24	0.12	5.16	5.16	19.56	108.98	4.86	6.57	6.57
17:00-18:00	Ax	2	6.15	9.38	2.14	0.91	43.27	43.27	42.22	456.52	36.99	26.96	26.96
17:00-18:00	Ax	3	5.59	6.69	1.00	0.11	15.74	15.74	47.61	279.87	4.34	16.41	16.41
17:00-18:00	Bc	1	7.46	1.36	0.10	0.22	4.65	4.65	18.25	139.95	18.15	5.13	5.13
17:00-18:00	Bc	2	9.41	4.09	0.62	0.81	20.31	20.31	44.69	497.02	65.14	16.39	16.39
17:00-18:00	Bc	3	10.59	0.83	0.05	0.11	2.16	2.16	13.85	86.95	4.31	1.17	1.17
17:00-18:00	Bc	4	7.46	3.70	0.68	0.33	14.32	14.32	52.81	504.79	13.28	16.82	16.82
17:00-18:00	Bx	1	7.46	0.05	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Cc	1	4.85	7.95	1.04	0.43	20.91	20.91	31.14	190.15	17.57	6.75	6.75
17:00-18:00	Cc	2	4.85	3.30	0.27	0.33	8.59	8.59	6.83	31.59	13.46	1.46	1.46
17:00-18:00	Cc	3	4.85	10.46	0.72	2.19	41.38	41.38	39.13	304.74	87.74	12.75	12.75
17:00-18:00	Cx	1	5.59	2.18	0.28	0.20	6.86	6.86	13.35	98.35	8.36	6.16	6.16
17:00-18:00	Cx	2	5.59	2.17	0.27	0.09	5.12	5.12	15.97	91.81	3.85	5.52	5.52
17:00-18:00	Dc	1	6.71	11.46	1.27	0.19	20.83	208.35	93.58	423.54	7.87	14.01	140.10
17:00-18:00	Dc	2	6.71	21.27	3.58	0.81	62.37	62.37	78.74	552.58	32.82	19.01	19.01
17:00-18:00	Dc	3	6.71	9.36	0.95	0.12	15.21	15.21	86.14	349.97	4.94	11.53	11.53
17:00-18:00	Dx	1	3.13	3.34	0.28	0.64	13.06	13.06	14.46	91.79	51.46	8.27	8.27
17:00-18:00	Dx	2	3.13	0.77	0.00	0.14	2.02	2.02	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Dx	3	3.13	0.73	0.00	0.13	1.83	1.83	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Dx1	1	13.98	0.71	0.00	0.20	2.78	2.78	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Dx1	2	13.98	3.62	0.85	0.45	18.49	18.49	51.60	650.54	18.47	38.62	38.62
17:00-18:00	E	1	14.91	68.59	2.09	4.75	97.13	38.85	137.02	321.63	170.26	15.97	15.97
17:00-18:00	E	2	14.91	47.37	4.15	5.25	133.40	53.36	117.22	637.60	199.36	27.18	27.18
17:00-18:00	F	1	15.66	7.97	1.44	1.68	44.41	44.41	40.53	504.21	68.07	18.58	18.58
17:00-18:00	F	2	15.66	2.96	0.47	0.12	8.49	8.49	24.63	173.97	5.05	5.81	5.81
17:00-18:00	F	3	15.66	2.78	0.15	0.01	2.29	2.29	27.95	58.13	0.29	1.90	1.90
17:00-18:00	Ec	1	3.73	0.36	0.00	0.05	0.69	0.69	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Ec	2	3.73	4.62	0.94	0.43	19.45	19.45	56.52	585.54	17.53	19.58	19.58
17:00-18:00	Ec	3	3.73	4.60	0.93	0.43	19.36	19.36	56.25	582.64	17.53	19.49	19.49

17:00-18:00	Ex	1	7.46	1.52	0.08	0.33	5.93	5.93	13.62	120.97	13.58	4.37	4.37
17:00-18:00	Ex	2	7.46	0.46	0.00	0.06	0.97	0.97	1.93	7.80	2.61	0.34	0.34
17:00-18:00	Fc	1	8.88	17.01	0.23	0.10	4.76	4.76	81.09	53.50	4.07	0.72	0.72
17:00-18:00	Fc	2	8.28	52.40	1.10	1.30	34.10	34.10	123.56	154.83	49.05	2.94	2.94
17:00-18:00	Fc	3	8.28	12.55	0.10	0.01	1.53	1.53	68.48	20.71	0.52	0.31	0.31
17:00-18:00	Fx	1	21.62	1.17	0.00	0.40	5.65	5.65	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Fx	2	21.62	0.97	0.00	0.33	4.76	4.76	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Fx1	1	12.00	1.96	0.00	0.65	9.22	9.22	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Fx1	2	12.00	2.46	0.02	0.85	12.34	12.34	5.25	32.25	34.65	0.84	0.84
17:00-18:00	G	1	5.67	148.17	3.06	9.00	171.24	85.62	192.08	282.63	273.44	18.06	3.61
17:00-18:00	G	2	5.67	46.14	3.09	0.92	56.96	28.48	102.30	283.70	36.50	10.40	2.08
17:00-18:00	G1	1	4.47	0.34	0.00	0.06	0.82	0.82	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Gc	1	7.83	2.77	0.38	0.14	7.35	7.35	15.89	101.59	5.54	1.55	1.55
17:00-18:00	Gc	2	7.83	2.85	0.45	0.16	8.53	8.53	15.85	113.78	6.34	1.73	1.73
17:00-18:00	Gc	3	7.83	2.14	0.12	0.01	1.77	1.77	13.25	27.38	0.32	0.40	0.40
17:00-18:00	Gx	1	4.18	0.56	0.00	0.13	1.86	1.86	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Gx	2	4.18	0.05	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Gx1	1	1.49	1.07	0.05	0.24	4.13	4.13	7.99	67.86	9.92	2.53	2.53
17:00-18:00	H	1	7.16	30.56	3.33	0.68	56.90	56.90	88.18	388.92	27.30	13.52	13.52
17:00-18:00	H	2	7.16	30.31	3.58	0.69	60.61	60.61	87.91	417.98	27.74	14.47	14.47
17:00-18:00	H	3	7.16	20.60	0.36	0.00	5.12	5.12	66.15	41.52	0.16	1.35	1.35
17:00-18:00	I	1	4.47	46.69	4.29	2.43	95.41	38.16	109.33	471.67	94.64	18.39	0.00
17:00-18:00	I	2	4.47	35.20	4.23	1.20	77.07	30.83	94.79	478.16	47.91	17.08	0.00
17:00-18:00	H1	1	7.46	0.74	0.00	0.20	2.84	2.84	0.00	0.00	0.00	0.00	0.00
17:00-18:00	H1	2	7.46	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Hc	1	7.49	9.72	0.30	0.00	4.28	4.28	44.31	49.30	0.18	0.71	0.71
17:00-18:00	Hc	2	7.83	6.94	0.64	0.05	9.79	9.79	26.84	93.94	1.97	1.37	1.37
17:00-18:00	Hc	3	7.49	5.41	0.52	0.06	8.23	8.23	46.60	175.14	4.73	2.60	2.60
17:00-18:00	Hx	1	7.46	0.44	0.00	0.09	1.23	1.23	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Hx	2	7.46	0.34	0.00	0.06	0.90	0.90	0.00	0.00	0.00	0.00	0.00

17:00-18:00	I1	1	7.46	0.88	0.00	0.26	3.72	3.72	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Ic	1	7.27	3.62	0.43	0.28	10.08	10.08	9.57	55.99	11.53	0.97	0.97
17:00-18:00	Ic	2	7.27	4.25	0.56	0.49	14.98	14.98	10.35	72.34	20.10	1.33	1.33
17:00-18:00	Ic	3	7.27	0.38	0.01	0.00	0.09	0.09	1.10	0.66	0.04	0.01	0.01
17:00-18:00	Ix	1	3.36	0.05	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Ix	2	3.36	0.04	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Ix1	1	1.12	0.11	0.00	0.01	0.10	0.10	0.21	0.20	0.29	0.02	0.02

Traffic Stream Results: Queues And Blocking

Time Segment	Arm	Traffic Stream	Initial Queue (PCU)	Mean Max Queue (PCU)	Max Queue Storage (PCU)	Utilised Storage (%)	Average Link Excess Queue (PCU)	Average Limit Excess Queue (PCU)	Excess Queue Penalty (£ per hr)	Max End Of Green Queue (PCU)	Max End Of Red Queue (PCU)	Wasted Time Starvation (s (per cycle))	Wasted Time Blocking Back (s (per cycle))	Wasted Time Total (s (per cycle))	Estimated Blocking
17:00-18:00	A	1	0.00	11.06	17.39	63.61	0.00	0.00	0.00	0.62	8.64	0.00	0.00	0.00	
17:00-18:00	A	2	0.00	21.46	26.09	82.25	0.00	0.00	0.00	4.72	15.61	0.00	0.00	0.00	
17:00-18:00	A	3	0.00	8.89	26.09	34.06	0.00	0.00	0.00	0.41	7.31	0.00	0.00	0.00	
17:00-18:00	A	4	0.00	46.67	26.09	178.91	10.84	0.00	0.00	27.87	39.63	0.00	0.00	0.00	
17:00-18:00	Ax1	1	0.00	4.18	3.48	120.23	0.01	0.00	0.00			18.00	0.00	18.00	
17:00-18:00	Ax1	2	0.00	56.85	3.48	1634.49	36.42	0.00	0.00			1.00	0.00	1.00	
17:00-18:00	Ax2	1	0.00	10.52	13.91	75.59	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Ax2	2	0.00	0.28	13.91	2.02	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	B	1	0.00	0.17	5.22	3.20	0.00	0.00	0.00			64.00	1.00	65.00	
17:00-18:00	B	2	0.00	0.39	5.22	7.39	0.00	0.00	0.00			29.00	17.00	46.00	
17:00-18:00	Bc1	1	0.00	0.17	5.22	3.19	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Bc1	2	0.00	0.81	5.22	15.46	0.00	0.00	0.00			0.00	1.00	1.00	
17:00-18:00	Bc1	3	0.00	0.11	5.22	2.02	0.00	0.00	0.00			33.00	0.00	33.00	
17:00-18:00	Bc1	4	0.00	0.33	5.22	6.24	0.00	0.00	0.00			29.00	17.00	46.00	
17:00-18:00	C	1	0.00	15.89	34.78	45.70	0.00	0.00	0.00	0.85	13.06	0.00	0.00	0.00	
17:00-18:00	C	2	0.00	15.99	34.78	45.97	0.00	0.00	0.00	0.87	13.14	0.00	0.00	0.00	
17:00-18:00	Cx1	1	0.00	15.96	17.39	91.75	0.00	0.00	0.00			10.00	0.00	10.00	
17:00-18:00	D	1	0.00	21.16	52.17	40.56	0.00	0.00	0.00	3.11	14.48	0.00	0.00	0.00	
17:00-18:00	D	2	0.00	22.57	52.17	43.25	0.00	0.00	0.00	3.17	15.38	0.00	19.00	19.00	

17:00-18:00	**D**	**3**	0.00	22.46	52.17	43.04	0.00	0.00	0.00	3.11	15.29	0.00	19.00	19.00	
17:00-18:00	**Ac**	**1**	0.00	4.22	7.00	60.25	0.00	0.00	0.00	0.08	3.44	0.00	0.00	0.00	
17:00-18:00	**Ac**	**2**	0.00	7.95	7.00	113.63	0.03	0.03	0.00	0.15	5.31	0.00	7.00	7.00	
17:00-18:00	**Ac**	**3**	0.00	9.07	7.00	129.59	0.10	0.10	0.00	0.07	5.03	26.00	13.00	39.00	
17:00-18:00	**Ax**	**1**	0.00	4.56	17.39	26.20	0.00	0.00	0.00	0.12	1.90	0.00	2.00	2.00	
17:00-18:00	**Ax**	**2**	0.00	12.27	17.39	70.53	0.00	0.00	0.00	0.91	9.50	0.00	68.00	68.00	
17:00-18:00	**Ax**	**3**	0.00	7.46	17.39	42.89	0.00	0.00	0.00	0.11	5.46	18.00	50.00	68.00	
17:00-18:00	**Bc**	**1**	0.00	9.44	17.39	54.27	0.00	0.00	0.00			1.00	0.00	1.00	
17:00-18:00	**Bc**	**2**	0.00	18.04	17.39	103.72	0.03	0.29	0.00			1.00	0.00	1.00	
17:00-18:00	**Bc**	**3**	0.00	6.26	17.39	35.98	0.00	0.00	0.00			34.00	0.00	34.00	
17:00-18:00	**Bc**	**4**	0.00	20.52	17.39	117.97	0.22	0.62	0.00			30.00	0.00	30.00	
17:00-18:00	**Bx**	**1**	0.00	0.00	17.39	0.01	0.00	0.00	0.00			53.00	0.00	53.00	
17:00-18:00	**Cc**	**1**	0.00	6.27	6.00	104.58	0.00	0.00	0.19	0.43	3.36	0.00	0.00	0.00	
17:00-18:00	**Cc**	**2**	0.00	1.18	6.00	19.62	0.00	0.00	0.00	0.33	1.07	0.00	0.00	0.00	
17:00-18:00	**Cc**	**3**	0.00	14.40	6.00	240.06	0.85	0.85	51.07	2.19	4.56	0.00	0.00	0.00	
17:00-18:00	**Cx**	**1**	0.00	3.20	17.39	18.43	0.00	0.00	0.00	0.20	2.49	0.00	0.00	0.00	
17:00-18:00	**Cx**	**2**	0.00	2.80	17.39	16.08	0.00	0.00	0.00	0.09	2.25	0.00	0.00	0.00	
17:00-18:00	**Dc**	**1**	0.00	11.09	15.65	70.87	0.00	0.00	0.00	0.19	6.91	19.00	0.00	19.00	
17:00-18:00	**Dc**	**2**	0.00	14.51	15.65	92.70	0.00	0.14	4.31	0.81	10.78	0.00	0.00	0.00	
17:00-18:00	**Dc**	**3**	0.00	9.27	15.65	59.21	0.00	0.00	0.00	0.12	6.01	15.00	5.00	20.00	
17:00-18:00	**Dx**	**1**	0.00	5.45	9.74	55.97	0.00	0.00	0.00	0.64	2.53	1.00	0.00	1.00	
17:00-18:00	**Dx**	**2**	0.00	0.14	9.74	1.46	0.00	0.00	0.00	0.14	0.14	18.00	0.00	18.00	
17:00-18:00	**Dx**	**3**	0.00	0.13	9.74	1.32	0.00	0.00	0.00	0.13	0.13	18.00	0.00	18.00	
17:00-18:00	**Dx1**	**1**	0.00	0.20	43.48	0.45	0.00	0.00	0.00			5.00	0.00	5.00	
17:00-18:00	**Dx1**	**2**	0.00	28.98	43.48	66.66	0.00	0.00	0.00			24.00	0.00	24.00	
17:00-18:00	**E**	**1**	0.00	13.03	34.78	37.45	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	**E**	**2**	0.00	21.71	34.78	62.42	0.00	0.00	0.00			0.00	8.00	8.00	
17:00-18:00	**F**	**1**	0.00	15.93	36.52	43.61	0.00	0.00	0.00	1.68	7.93	0.00	0.00	0.00	
17:00-18:00	**F**	**2**	0.00	4.90	36.52	13.42	0.00	0.00	0.00	0.12	3.61	0.00	0.00	0.00	
17:00-18:00	**F**	**3**	0.00	1.62	36.52	4.44	0.00	0.00	0.00	0.01	1.46	0.00	0.00	0.00	

17:00-18:00	**Ec**	**1**	0.00	0.05	8.70	0.56	0.00	0.00	0.00			28.00	0.00	28.00	
17:00-18:00	**Ec**	**2**	0.00	21.08	8.70	242.39	2.56	3.49	209.61			21.00	0.00	21.00	
17:00-18:00	**Ec**	**3**	0.00	21.03	8.70	241.87	2.55	3.49	209.22			21.00	0.00	21.00	
17:00-18:00	**Ex**	**1**	0.00	9.35	17.39	53.78	0.00	0.00	0.00			18.00	0.00	18.00	
17:00-18:00	**Ex**	**2**	0.00	2.64	17.39	15.15	0.00	0.00	0.00			38.00	0.00	38.00	
17:00-18:00	**Fc**	**1**	0.00	1.52	7.00	21.77	0.00	0.00	0.00	0.10	1.36	0.00	0.00	0.00	
17:00-18:00	**Fc**	**2**	0.00	5.24	7.00	74.81	0.00	0.27	0.00	1.30	4.66	0.00	0.00	0.00	
17:00-18:00	**Fc**	**3**	0.00	0.57	7.00	8.08	0.00	0.00	0.00	0.01	0.57	2.00	0.00	2.00	
17:00-18:00	**Fx**	**1**	0.00	0.40	50.43	0.79	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	**Fx**	**2**	0.00	0.33	50.43	0.66	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	**Fx1**	**1**	0.00	0.65	17.39	3.73	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	**Fx1**	**2**	0.00	6.42	17.39	36.92	0.00	0.00	0.00			0.00	88.00	88.00	
17:00-18:00	**G**	**1**	0.00	16.00	13.22	121.05	0.56	0.00	0.00	9.00	15.11	0.00	0.00	0.00	
17:00-18:00	**G**	**2**	0.00	8.05	13.22	60.90	0.00	0.00	0.00	0.92	7.53	0.00	0.00	0.00	
17:00-18:00	**G1**	**1**	0.00	0.06	10.43	0.55	0.00	0.00	0.00			0.00	35.00	35.00	
17:00-18:00	**Gc**	**1**	0.00	2.71	7.00	38.73	0.00	0.05	4.83	0.14	2.52	0.00	0.00	0.00	
17:00-18:00	**Gc**	**2**	0.00	3.38	7.00	48.29	0.00	0.12	11.65	0.16	2.80	0.00	0.00	0.00	
17:00-18:00	**Gc**	**3**	0.00	0.68	7.00	9.69	0.00	0.00	0.00	0.01	0.68	1.00	0.00	1.00	
17:00-18:00	**Gx**	**1**	0.00	0.13	9.74	1.35	0.00	0.00	0.00			4.00	3.00	7.00	
17:00-18:00	**Gx**	**2**	0.00	0.00	9.74	0.02	0.00	0.00	0.00			77.00	4.00	81.00	
17:00-18:00	**Gx1**	**1**	0.00	4.68	3.48	134.45	0.04	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	**H**	**1**	0.00	10.51	16.70	62.95	0.00	0.00	0.00	0.68	8.41	0.00	0.00	0.00	
17:00-18:00	**H**	**2**	0.00	11.25	16.70	67.38	0.00	0.00	0.00	0.69	9.00	0.00	0.00	0.00	
17:00-18:00	**H**	**3**	0.00	1.05	16.70	6.31	0.00	0.00	0.00	0.00	1.04	0.00	0.00	0.00	
17:00-18:00	**I**	**1**	0.00	14.37	10.43	137.70	0.63	0.00	0.00	2.43	11.49	0.00	0.00	0.00	
17:00-18:00	**I**	**2**	0.00	13.38	10.43	128.19	0.34	0.00	0.00	1.20	10.91	0.00	0.00	0.00	
17:00-18:00	**H1**	**1**	0.00	0.20	17.39	1.15	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	**H1**	**2**	0.00	0.00	17.39	0.00	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	**Hc**	**1**	0.00	1.26	7.00	18.00	0.00	0.00	0.00	0.00	1.20	5.00	0.00	5.00	
17:00-18:00	**Hc**	**2**	0.00	2.40	7.00	34.24	0.00	0.00	0.00	0.05	2.27	3.00	0.00	3.00	

17:00-18:00	Hc	3	0.00	6.14	7.00	87.67	0.00	0.15	296.35	0.06	1.49	30.00	0.00	30.00	
17:00-18:00	Hx	1	0.00	0.09	17.39	0.50	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Hx	2	0.00	0.06	17.39	0.36	0.00	0.00	0.00			14.00	0.00	14.00	
17:00-18:00	I1	1	0.00	0.26	17.39	1.51	0.00	0.00	0.00			0.00	28.00	28.00	
17:00-18:00	Ic	1	0.00	1.66	7.00	23.70	0.00	0.00	0.00	0.28	1.65	0.00	0.00	0.00	
17:00-18:00	Ic	2	0.00	2.27	7.00	32.48	0.00	0.05	5.28	0.49	2.26	0.00	0.00	0.00	
17:00-18:00	Ic	3	0.00	0.02	7.00	0.24	0.00	0.00	0.00	0.00	0.02	26.00	0.00	26.00	
17:00-18:00	Ix	1	0.00	0.00	7.83	0.02	0.00	0.00	0.00			41.00	0.00	41.00	
17:00-18:00	Ix	2	0.00	0.00	7.83	0.02	0.00	0.00	0.00			40.00	0.00	40.00	
17:00-18:00	Ix1	1	0.00	0.60	2.61	23.16	0.00	0.00	0.00			36.00	0.00	36.00	

Traffic Stream Results: Flare

Time Segment	Arm	Traffic Stream	Flare Present	Flare Components	Degree Of Saturation (%)	Mean Max Queue (PCU)	Calculated Capacity (PCU/hr)	Practical Reserve Capacity (%)
17:00-18:00	C	1	✓	Quick Flare	71	15.89	1109	27
17:00-18:00	C	2	✓	Quick Flare	71	15.99	1109	27
17:00-18:00	G	2	✓	Quick Flare	72	8.05	433	24
17:00-18:00	I	2	✓	Quick Flare	76	13.38	728	18

Traffic Stream Results: Advanced

Time Segment	Arm	Traffic Stream	Degree Of Saturation Penalty (£ per hr)	Phase Min Max Penalty (£ per hr)	Intergreen Broken Penalty (£ per hr)	Stage Constraint Broken Penalty (£ per hr)	Ped Gap Accepting Penalty (£ per hr)	Warmed Up	Warmed Up Error	Mean Max Queue EoTS (PCU)	Max End Of Green Queue Eo TS (PCU)	Max End Of Red Queue Eo TS (PCU)	Cost Of Penalties (£ per hr)	Unweighted Performance Index (£ per hr)	Perform Index (£ hr)
17:00-18:00	A	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	11.07	0.62	8.64	0.00	57.33	21.8
17:00-18:00	A	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	21.84	5.11	16.00	0.00	153.83	59.4
17:00-18:00	A	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	8.89	0.41	7.31	0.00	51.24	19.6
17:00-18:00	A	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	68.72	49.92	61.67	0.00	501.74	196.
17:00-18:00	Ax1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.18			0.00	1.55	1.5
17:00-18:00	Ax1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	59.92			0.00	292.18	292.
17:00-18:00	Ax2	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.52			0.00	23.72	23.7
17:00-18:00	Ax2	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.28			0.00	3.99	3.9
17:00-18:00	B	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.17			0.00	0.53	0.5
17:00-18:00	B	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.39			0.00	2.36	2.3

17:00-18:00	Bc1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.17			0.00	2.36	2.3
17:00-18:00	Bc1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.81			0.00	11.45	11.4
17:00-18:00	Bc1	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.11			0.00	1.50	1.5
17:00-18:00	Bc1	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.33			0.00	4.62	4.6
17:00-18:00	C	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	15.90	0.85	13.06	0.00	116.15	32.1
17:00-18:00	C	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	15.99	0.87	13.15	0.00	117.11	32.4
17:00-18:00	Cx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	15.96			0.00	47.41	47.4
17:00-18:00	D	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	21.27	3.22	14.59	0.00	165.64	47.4
17:00-18:00	D	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	22.67	3.28	15.49	0.00	175.25	50.0
17:00-18:00	D	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	22.56	3.21	15.39	0.00	173.75	49.5
17:00-18:00	Ac	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.22	0.08	3.44	0.00	19.85	19.8
17:00-18:00	Ac	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.95	0.15	5.31	0.00	32.44	32.4
17:00-18:00	Ac	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.07	0.07	5.03	0.00	27.96	27.9
17:00-18:00	Ax	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.56	0.12	1.90	0.00	11.74	11.7
17:00-18:00	Ax	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	12.27	0.91	9.51	0.00	70.23	70.2
17:00-18:00	Ax	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.46	0.11	5.46	0.00	32.15	32.1
17:00-18:00	Bc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.44			0.00	9.78	9.7
17:00-18:00	Bc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	18.04			0.00	36.70	36.7
17:00-18:00	Bc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.26			0.00	3.33	3.3
17:00-18:00	Bc	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	20.52			0.00	31.14	31.1
17:00-18:00	Bx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.00			0.00	0.02	0.0
17:00-18:00	Cc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.28	0.43	3.36	0.19	27.66	27.8
17:00-18:00	Cc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.18	0.33	1.07	0.00	10.05	10.0
17:00-18:00	Cc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	14.44	2.23	4.59	51.07	54.13	105.
17:00-18:00	Cx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.20	0.20	2.49	0.00	13.02	13.0
17:00-18:00	Cx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.80	0.09	2.25	0.00	10.64	10.6
17:00-18:00	Dc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	11.09	0.19	6.91	0.00	34.84	348.
17:00-18:00	Dc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	14.51	0.82	10.79	4.31	81.38	85.6
17:00-18:00	Dc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.27	0.12	6.01	0.00	26.74	26.7
17:00-18:00	Dx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.45	0.64	2.53	0.00	21.33	21.3

17:00-18:00	Dx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.14	0.14	0.14	0.00	2.02	2.0
17:00-18:00	Dx	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.13	0.13	0.13	0.00	1.83	1.8
17:00-18:00	Dx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.20			0.00	2.78	2.7
17:00-18:00	Dx1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	28.98			0.00	57.11	57.1
17:00-18:00	E	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	13.79			0.00	113.10	54.8
17:00-18:00	E	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	22.22			0.00	160.58	80.5
17:00-18:00	F	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	15.94	1.70	7.94	0.00	62.99	62.9
17:00-18:00	F	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.90	0.12	3.61	0.00	14.30	14.3
17:00-18:00	F	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.62	0.01	1.46	0.00	4.19	4.1
17:00-18:00	Ec	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.05			0.00	0.69	0.6
17:00-18:00	Ec	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	21.08			209.61	39.04	248.
17:00-18:00	Ec	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	21.03			209.22	38.85	248.
17:00-18:00	Ex	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.35			0.00	10.30	10.3
17:00-18:00	Ex	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.64			0.00	1.31	1.3
17:00-18:00	Fc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.52	0.10	1.36	0.00	5.48	5.4
17:00-18:00	Fc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.29	1.35	4.71	0.00	37.05	37.0
17:00-18:00	Fc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.57	0.01	0.57	0.00	1.84	1.8
17:00-18:00	Fx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.40			0.00	5.65	5.6
17:00-18:00	Fx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.34			0.00	4.76	4.7
17:00-18:00	Fx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.65			0.00	9.22	9.2
17:00-18:00	Fx1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.42			0.00	13.18	13.1
17:00-18:00	G	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	20.49	13.50	19.61	0.00	189.30	89.2
17:00-18:00	G	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	8.06	0.93	7.54	0.00	67.36	30.5
17:00-18:00	G1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.06			0.00	0.82	0.8
17:00-18:00	Gc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.71	0.14	2.52	4.83	8.90	13.7
17:00-18:00	Gc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.38	0.16	2.80	11.65	10.27	21.9
17:00-18:00	Gc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.68	0.01	0.68	0.00	2.17	2.1
17:00-18:00	Gx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.13			0.00	1.86	1.8
17:00-18:00	Gx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.00			0.00	0.03	0.0
17:00-18:00	Gx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.68			0.00	6.65	6.6

17:00-18:00	H	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.51	0.68	8.42	0.00	70.42	70.4
17:00-18:00	H	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	11.25	0.69	9.00	0.00	75.08	75.0
17:00-18:00	H	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.05	0.00	1.04	0.00	6.47	6.4
17:00-18:00	I	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	14.46	2.51	11.58	0.00	113.80	38.1
17:00-18:00	I	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	13.39	1.21	10.92	0.00	94.15	30.8
17:00-18:00	H1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.20			0.00	2.84	2.8
17:00-18:00	H1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.00			0.00	0.01	0.0
17:00-18:00	Hc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.26	0.00	1.20	0.00	5.00	5.0
17:00-18:00	Hc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.40	0.05	2.27	0.00	11.16	11.1
17:00-18:00	Hc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.14	0.06	1.49	296.35	10.83	307.
17:00-18:00	Hx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.09			0.00	1.23	1.2
17:00-18:00	Hx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.06			0.00	0.90	0.9
17:00-18:00	I1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.26			0.00	3.72	3.7
17:00-18:00	Ic	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.66	0.28	1.65	0.00	11.05	11.0
17:00-18:00	Ic	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.27	0.50	2.26	5.28	16.31	21.6
17:00-18:00	Ic	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.02	0.00	0.02	0.00	0.10	0.1
17:00-18:00	Ix	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.00			0.00	0.03	0.0
17:00-18:00	Ix	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.00			0.00	0.02	0.0
17:00-18:00	Ix1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.60			0.00	0.12	0.1

Network Results

Run Summary

Analysis Set Used	Run Start Time	Run Finish Time	Modelling Start Time (HH:mm)	Network Cycle Time (s)	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	Netw Wit Capa
A2 - 2031 PM Scenario 3	26/06/2014 15:58:27	26/06/2014 16:00:48	17:00	88	146.21	101.21	A/4	6	7	A/4	Ax1/2	A/4	

Network Results: Vehicle Summary

Time Segment	Degree Of Saturation (%)	Practical Reserve Capacity (%)	Calculated Flow Entering (PCU/hr)	Actual Green (s (per cycle))	Mean Delay Per PCU (s)	Weighted Cost Of Delay (£ per hr)	Weighted Cost Of Stops (£ per hr)	Performance Index (£ per hr)
17:00-18:00	101!	-11	56089	5540	9.38	1693.88	581.07	2771.11

Network Results: Pedestrian Summary

Time Segment	Degree Of Saturation (%)	Calculated Flow Entering (Ped/hr)	Actual Green (s (per cycle))	Mean Delay Per Ped (s)	Weighted Cost Of Delay (£ per hr)	Performance Index (£ per hr)
17:00-18:00	101!	0	0	0.00	0.00	0.00

Network Results: Flows And Signals

Time Segment	Calculated Flow Entering (PCU/hr)	Calculated Flow Out (PCU/hr)	Flow Discrepancy (PCU/hr)	Adjusted Flow Warning	Degree Of Saturation (%)	DOS Threshold Exceeded	Practical Reserve Capacity (%)	Actual Green (s (per cycle))	Effective Green (s (per cycle))
17:00-18:00	56089	56085	147	✓	101!	✓	-11	5540	5581

Network Results: Stops And Delays

Time Segment	Mean Cruise Time Per PCU (s)	Mean Delay Per PCU (s)	Uniform Delay (PCU-hr/hr)	Random Plus Oversat Delay (PCU-hr/hr)	Unweighted Cost Of Delay (£ per hr)	Weighted Cost Of Delay (£ per hr)	Mean Stops Per PCU (%)	Uniform Stops (Stops per hr)	Random Stops (Stops per hr)	Unweighted Cost Of Stops (£ per hr)	Weighted Cost Of Stops (£ per hr)
17:00-18:00	8.24	9.38	77.80	68.41	2076.25	1693.88	34.20	16585.16	2587.83	696.54	581.07

Network Results: Queues And Blocking

Time Segment	Max Queue Storage (PCU)	Excess Queue Penalty (£ per hr)	Wasted Time Starvation (s (per cycle))	Wasted Time Blocking Back (s (per cycle))	Wasted Time Total (s (per cycle))
17:00-18:00	1353.39	496.17	822.00	385.00	1207.00

Network Results: Journey Times

Time Segment	Distance Travelled (PCU-km/hr)	Time Spent (PCU-hr/hr)	Mean Journey Speed (kph)
17:00-18:00	6235.71	274.66	22.70