Capabilities on project:
Transportation

Appendix D – Access Option 2B – Transyt results

TRANSYT 15

Version: 15.0.1.2976 []

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Last run: 26/06/2014 10:49:40
Analysis Set used for last run: A1 - 2031 AM Scenario 3

Filename: Scenario D Proposed New access - AM.t15
Path: F:\TEM\Project\BCC - Peddimore Access Modelling\3. EXECUTION\Modelling\With Water Orton Lane\Scenario D\Proposed Water Orton Lane\140620 Further Modelling\New access Signals
Report generation date: 26/06/2014 11:20:04

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

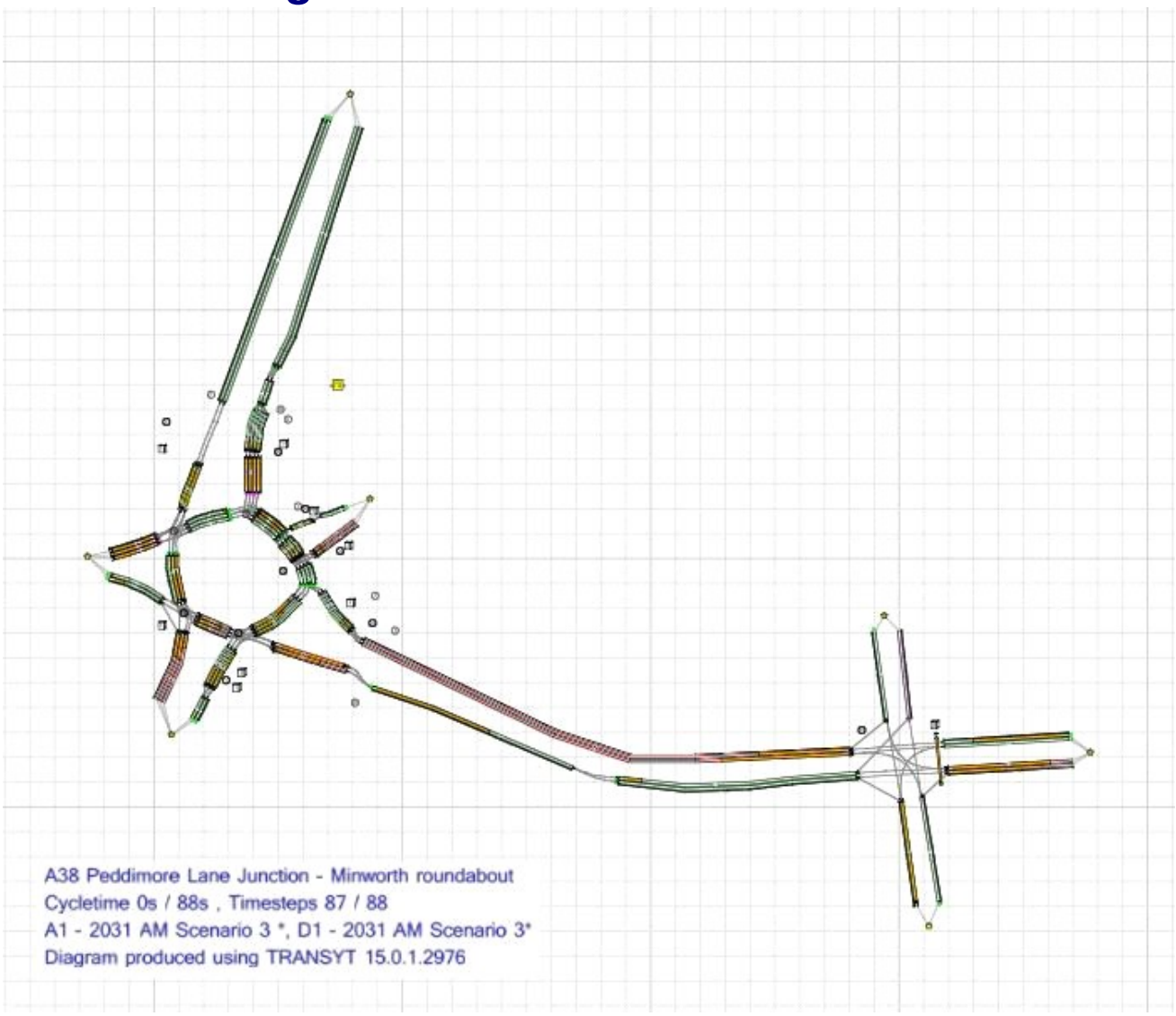
Units

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 10:48:55	26/06/2014 10:49:40	08:00	88	449.02	139.18	E/2	5	7	C/2	C3-1/1	C3-1/1	

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		✓	2,3,5,6,7,4,9,10,11

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	(untitled)	
17	A38 North Exit	
20	A30 Southbound Exit	
22	(untitled)	
23	(untitled)	
24	(untitled)	
25	(untitled)	
26	Lindridge Drive Circulatory	
27	Lindridge Drive Circulatory	
28	(untitled)	

Links

Links

Link	Name	Description	Traffic Node	Length (m)	Has Restricted Flow	Use RR67	Saturation Flow (PCU/hr)	Is Signal Controlled	Is Give Way	Traffic Type	Is Minor Shared
1	(untitled)		23	3.50	✓		10000	✓		Pedestrian	

Modelling

Link	Traffic Model	Stop Weighting (%)	Delay Weighting (%)	Exclude From Results Calculation	Max Queue Storage (PCU)	Has Queue Limit	Has Degree Of Saturation Limit	Degree Of Saturation Limit (%)	Excess Degree Of Saturation Penalty (£)	Low Degree Of Saturation Penalty (£)
1	[Forced to PDM]	100	100		0.00		✓	80	0.00	0.00

Modelling - Advanced

Link	Initial Queue (PCU)	Type of Vehicle-in-Service	Vehicle-in-Service	Type Of Random Parameter	Random Parameter	Auto Cycle Time	Cycle Time
1	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88

Flows

Link	Flows	Total Flow (08:00-09:00) (PCU/hr)
1	1	500

Flows - Advanced

Link	Detectors	Link Sensitivity Multiplier (%)	Cruise Sensitivity Multiplier (%)
1		100	100

Signals

Link	Controller Stream	Phase	Phase2 Enabled
1	4	E	

Entry Sources

Link	Cruise Time (seconds)	Cruise Speed (kph)
1	1.00	30.00

Arms and Traffic Streams

Arms

Arm	Name	Description	Traffic Node
1	A4097 Kingsbury Road WB		25
3	New Access Exit		
4	A38 North		28
A	A38 North		1
Ac	A38 North Circulatory		1
Ax	A38 North Exit		8
Ax2	A38 North Exit		17
B	New Access		10
Bc	New Access Circulatory 1		6
Bc1	Kingsbury Road Circulatory 2		2
Bc3	New Access Circulatory 2		10
C	A4097 Kingsbury Road		3
Bx	New Access Exit		27
C2	A4097 Kingsbury Road WB		9
C3-1	Cottage Lane Entry		23
Cx 2	A4097 Kingsbury Road EB		23
Cx3	Cottage Lane Exit		
Cx4-2	(untitled)		
Cx5	Water Orton Lane Exit		
D	A38 South		4
E	Wamley Ash Road		5
C4	A4097 Kingsbury Road Entry		23
C5	Water Orton Lane Entry		23
Cc	A4097 Kingsbury Road Circulatory		3
Cx	A4097 Kinsbury Road Exit		24
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		
Fx	A38 South Exit		20
Fx1	(untitled)		22

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
1	1	(untitled)			312.22	✓	SumOfLanes	1800			Normal

3	**1**	(untitled)			280.00	✓	SumOfLanes	2128			Normal
4	**2**	(untitled)			60.00	✓	SumOfLanes	2279	✓		Normal
4	**3**	A38 North Entry			60.00	✓	SumOfLanes	2279	✓		Normal
4	**4**	(untitled)			60.00	✓	SumOfLanes	2279	✓		Normal
4	**5**	(untitled)			60.00	✓	SumOfLanes	2279	✓		Normal
A	**2**	(untitled)			30.00					✓	Normal
A	**3**	A38 North Entry			30.00					✓	Normal
A	**4**	(untitled)			30.00					✓	Normal
A	**5**	(untitled)			30.00					✓	Normal
B	**1**	(untitled)			280.00	✓	SumOfLanes	1940	✓		Normal
B	**2**	(untitled)			280.00	✓	SumOfLanes	2080	✓		Normal
C	**1**	(untitled)			200.00	✓	SumOfLanes	2112	✓		Normal
C	**2**	(untitled)			200.00	✓	SumOfLanes	2263	✓		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
E	**1**	(untitled)			200.00					✓	Normal
E	**2**	(untitled)			200.00					✓	Normal
E	**3**	(untitled)			200.00					✓	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)			20.00	✓	SumOfLanes	1965	✓		Normal
Ax	**2**	(untitled)			20.00	✓	SumOfLanes	2105	✓		Normal
Ax2	**1**	A38 North Exit			80.00	✓	SumOfLanes	1800			Normal
Ax2	**2**	A38 North Exit			80.00	✓	SumOfLanes	1800			Normal
Bc	**1**	(untitled)			41.55	✓	SumOfLanes	1915			Normal
Bc	**2**	(untitled)			41.55	✓	SumOfLanes	2055			Normal
Bc	**3**	(untitled)			41.55	✓	SumOfLanes	2055			Normal
Bc	**4**	(untitled)			41.55	✓	SumOfLanes	2055			Normal
Bc1	**1**	(untitled)			98.58	✓	SumOfLanes	1800			Normal
Bc1	**2**	(untitled)			98.58	✓	SumOfLanes	2055			Normal
Bc1	**3**	(untitled)			98.58	✓	SumOfLanes	1800			Normal
Bc1	**4**	(untitled)			98.58	✓	SumOfLanes	2055			Normal
Bc3	**1**	(untitled)			20.31	✓	SumOfLanes	1915	✓		Normal
Bc3	**2**	(untitled)			20.31	✓	SumOfLanes	2055	✓		Normal
Bc3	**3**	(untitled)			20.31	✓	SumOfLanes	2055	✓		Normal
Bc3	**4**	(untitled)			20.31	✓	SumOfLanes	2055	✓		Normal
Bx	**1**	(untitled)			10.00	✓	SumOfLanes	2128	✓		Normal
C2	**1**	(untitled)			312.22	✓	SumOfLanes	1800			Normal
C2	**2**	(untitled)			312.22	✓	SumOfLanes	1800			Normal
C3-1	**1**	(untitled)			55.60					✓	Normal
C4	**1**	(untitled)			86.62	✓	SumOfLanes	1887	✓		Normal
C4	**2**	(untitled)			86.62	✓	SumOfLanes	2055	✓		Normal
C5	**1**	(untitled)			55.00	✓	SumOfLanes	1906	✓		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
Cx 2	**1**	(untitled)			413.96	✓	SumOfLanes	1915	✓		Normal
Cx 2	**2**	(untitled)			413.96	✓	SumOfLanes	2055	✓		Normal
Cx3	**1**	(untitled)			59.35	✓	SumOfLanes	1800			Normal
Cx4-2	**1**	(untitled)			77.43	✓	SumOfLanes	1800			Normal
Cx4-2	**2**	(untitled)			77.43	✓	SumOfLanes	1800			Normal
Cx5	**1**	(untitled)			62.61	✓	SumOfLanes	1800			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
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
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

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)
1	**1**	**1**	(untitled)											1800
3	**1**	**2**	Lindridge drive Exit											2128
4	**2**	**1**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
4	**3**	**3**	(untitled)		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
4	**4**	**2**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
4	**5**	**1**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
A	**2**	**1**	A38 North Entry		✓									
A	**3**	**3**	(untitled)		✓									
A	**4**	**2**	A38 North Entry		✓									
A	**5**	**1**	A38 North Entry		✓									

B	**1**	**1**	New Access		✓	N/A	N/A	0	3.25		0	10.00	✓	1940
B	**2**	**2**	New Access		✓	N/A	N/A	0	3.25		0	10.00		2080
C	**1**	**1**	A4097 Kingsbury Road Entry		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
C	**2**	**2**	A4097 Kingsbury Road Entry		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
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
E	**1**	**3**	(untitled)											
E	**2**	**3**	(untitled)											
E	**3**	**3**	(untitled)											
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
Ax2	**1**	**1**	(untitled)											1800
Ax2	**2**	**1**	(untitled)											1800
Bc	**1**	**2**	Lindridge Drive Circulatory		✓	N/A	N/A	0	3.00		0	10.00	✓	1915
Bc	**2**	**1**	Lindridge Drive Circulatory		✓	N/A	N/A	0	3.00		0	10.00		2055
Bc	**3**	**3**	Lindridge Drive Circulatory		✓	N/A	N/A	0	3.00		0	10.00		2055
Bc	**4**	**3**	Lindridge Drive Circulatory		✓	N/A	N/A	0	3.00		0	10.00		2055
Bc1	**1**	**2**	Lindridge Drive Circulatory											1800
Bc1	**2**	**1**	Lindridge Drive Circulatory											2055
Bc1	**3**	**3**	Lindridge Drive Circulatory											1800
Bc1	**4**	**3**	Lindridge Drive Circulatory											2055
Bc3	**1**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00	✓	1915
Bc3	**2**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00		2055
Bc3	**3**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00		2055
Bc3	**4**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00		2055

Bx	**1**	**2**	Lindridge drive Exit										2128
C2	**1**	**1**	(untitled)										1800
C2	**2**	**1**	(untitled)										1800
C3-1	**1**	**1**	(untitled)		✓							✓	
C4	**1**	**1**	(untitled)		✓	N/A	N/A	0	3.00		7	7.20	✓	1887
C4	**2**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	7.20		2055
C5	**1**	**1**	(untitled)		✓	N/A	N/A	0	2.91		0	10.00	✓	1906
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
Cx 2	**1**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00	✓	1915
Cx 2	**2**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00		2055
Cx3	**1**	**1**	(untitled)											1800
Cx4-2	**1**	**1**	(untitled)											1800
Cx4-2	**2**	**1**	(untitled)											1800
Cx5	**1**	**1**	(untitled)											1800
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
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
			Wamley											

Ex	**2**	**2**	Ash Road Exit										1800
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

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
1	**1**	[Forced to PDM]	100	100		0.00				
3	**1**	[Forced to PDM]	100	100		0.00				
4	**2**	[Forced to PDM]	100	100		0.00				
4	**3**	[Forced to PDM]	100	100		0.00				
4	**4**	[Forced to PDM]	100	100		0.00				
4	**5**	[Forced to PDM]	100	100		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				
A	**5**	[Forced to PDM]	20	40	✓	0.00				
B	**1**	[Forced to PDM]	20	60		0.00				
B	**2**	[Forced to PDM]	20	60		0.00				
C	**1**	[Forced to PDM]	0	40		0.00				
C	**2**	[Forced to PDM]	0	40		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				
E	**1**	[Forced to PDM]	100	40		0.00				
E	**2**	[Forced to PDM]	100	40		0.00				
E	**3**	[Forced to PDM]	100	40		0.00				
Ac	**1**	[Forced to PDM]	100	100		7.00	✓	3	80.00	
Ac	**2**	[Forced to PDM]	100	100		7.00	✓	5	80.00	
Ac	**3**	[Forced to PDM]	100	100		7.00	✓	5	80.00	

Ax	**1**	[Forced to PDM]	100	100		0.00	✓	3	0.00	
Ax	**2**	[Forced to PDM]	100	100		0.00	✓	3	0.00	
Ax2	**1**	[Forced to PDM]	100	100		0.00				
Ax2	**2**	[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	
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	
Bc3	**1**	[Forced to PDM]	100	100		0.00	✓	2	60.00	
Bc3	**2**	[Forced to PDM]	100	100		0.00	✓	2	1000.00	
Bc3	**3**	[Forced to PDM]	100	100		0.00	✓	2	1000.00	
Bc3	**4**	[Forced to PDM]	100	100		0.00	✓	2	1000.00	
Bx	**1**	[Forced to PDM]	100	100		0.00				
C2	**1**	[Forced to PDM]	100	100		0.00				
C2	**2**	[Forced to PDM]	100	100		0.00				
C3-1	**1**	[Forced to PDM]	100	100		0.00				
C4	**1**	[Forced to PDM]	100	100		0.00				
C4	**2**	[Forced to PDM]	100	100		0.00				
C5	**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				
Cx 2	**1**	[Forced to PDM]	100	100		0.00				
Cx 2	**2**	[Forced to PDM]	100	100		0.00				

Cx3	**1**	[Forced to PDM]	100	100		0.00				
Cx4-2	**1**	[Forced to PDM]	100	100		0.00				
Cx4-2	**2**	[Forced to PDM]	100	100		0.00				
Cx5	**1**	[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				
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				
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				

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
1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
3	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
4	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
4	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
4	**4**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
4	**5**	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
A	**5**	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
C	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C	**2**	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
E	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
E	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
E	**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
Ax2	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax2	**2**	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
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
Bc3	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc3	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc3	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc3	**4**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C2	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C2	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C3-1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C4	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C4	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C5	**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
Cx 2	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx 2	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx3	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx4-2	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx4-2	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx5	**1**	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
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
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

Normal - Modelling

Arm	Traffic Stream	Stop Weighting (%)	Delay Weighting (%)
1	1	100	100
3	1	100	100
4	2	100	100
4	3	100	100
4	4	100	100
4	5	100	100
A	2	100	100
A	3	100	100
A	4	100	100
A	5	100	100
B	1	100	100
B	2	100	100
C	1	100	100
C	2	100	100
D	1	100	100
D	2	100	100
D	3	100	100
E	1	100	100
E	2	100	100
E	3	100	100
Ac	1	100	100
Ac	2	100	100
Ac	3	100	100
Ax	1	100	100
Ax	2	100	100
Ax2	1	100	100
Ax2	2	100	100
Bc	1	100	100
Bc	2	100	100
Bc	3	100	100
Bc	4	100	100
Bc1	1	100	100
Bc1	2	100	100

Bc1	**3**	100	100
Bc1	**4**	100	100
Bc3	**1**	100	100
Bc3	**2**	100	100
Bc3	**3**	100	100
Bc3	**4**	100	100
Bx	**1**	100	100
C2	**1**	100	100
C2	**2**	100	100
C3-1	**1**	100	100
C4	**1**	100	100
C4	**2**	100	100
C5	**1**	100	100
Cc	**1**	100	100
Cc	**2**	100	100
Cc	**3**	100	100
Cx	**1**	100	100
Cx	**2**	100	100
Cx 2	**1**	100	100
Cx 2	**2**	100	100
Cx3	**1**	100	100
Cx4-2	**1**	100	100
Cx4-2	**2**	100	100
Cx5	**1**	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
Ec	**1**	100	100
Ec	**2**	100	100
Ec	**3**	100	100
Ex	**1**	100	100
Ex	**2**	100	100
Fx	**1**	100	100
Fx	**2**	100	100
Fx1	**1**	100	100
Fx1	**2**	100	100

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)
1	**1**	1511	1511
3	**1**	1153	1153
4	**2**	361	361
4	**3**	361	361
4	**4**	361	361
4	**5**	361	361
A	**2**	361	361
A	**3**	361	361

A	**4**	361	361
A	**5**	361	361
B	**1**	222	222
B	**2**	237	237
C	**1**	679	679
C	**2**	832	832
D	**1**	688	688
D	**2**	738	738
D	**3**	478	478
E	**1**	683	683
E	**2**	683	683
E	**3**	683	683
Ac	**1**	1482	1482
Ac	**2**	1161	1161
Ac	**3**	683	683
Ax	**1**	614	614
Ax	**2**	308	308
Ax2	**1**	614	614
Ax2	**2**	308	308
Bc	**1**	1843	1843
Bc	**2**	1109	1109
Bc	**3**	774	774
Bc	**4**	1044	1044
Bc1	**1**	772	772
Bc1	**2**	1248	1248
Bc1	**3**	877	877
Bc1	**4**	1178	1178
Bc3	**1**	690	690
Bc3	**2**	1109	1109
Bc3	**3**	774	774
Bc3	**4**	1044	1044
Bx	**1**	1153	1153
C2	**1**	848	848
C2	**2**	663	663
C3-1	**1**	0	0
C4	**1**	609	609
C4	**2**	663	663
C5	**1**	331	331
Cc	**1**	371	371
Cc	**2**	877	877
Cc	**3**	1178	1178
Cx	**1**	772	772
Cx	**2**	878	878
Cx 2	**1**	769	769
Cx 2	**2**	880	880
Cx3	**1**	0	0
Cx4-2	**1**	769	769
Cx4-2	**2**	544	544
Cx5	**1**	428	428
Dc	**1**	343	343
Dc	**2**	597	597
Dc	**3**	500	500

Dx	**1**	707	707
Dx	**2**	877	877
Dx	**3**	913	913
Dx1	**1**	707	707
Dx1	**2**	1790	1790
Ec	**1**	483	483
Ec	**2**	1238	1238
Ec	**3**	478	478
Ex	**1**	701	701
Ex	**2**	443	443
Fx	**1**	721	721
Fx	**2**	721	721
Fx1	**1**	721	721
Fx1	**2**	721	721

Signals

Arm	Traffic Stream	Controller Stream	Phase	Phase2 Enabled
4	**2**	11	A	
4	**3**	11	A	
4	**4**	11	A	
4	**5**	11	A	
B	**1**	9	A	
B	**2**	9	A	
C	**1**	3	A	
C	**2**	3	A	
D	**1**	2	A	
D	**2**	2	A	
D	**3**	2	A	
Ax	**1**	5	A	
Ax	**2**	5	A	
Bc3	**1**	9	B	
Bc3	**2**	9	B	
Bc3	**3**	9	B	
Bc3	**4**	9	B	
Bx	**1**	10	A	
C4	**1**	4	D	
C4	**2**	4	D	
C5	**1**	4	C	
Cc	**1**	3	B	
Cc	**2**	3	B	
Cc	**3**	3	B	
Cx	**1**	6	A	
Cx	**2**	6	A	
Cx 2	**1**	4	A	
Cx 2	**2**	4	B	
Dc	**1**	2	B	
Dc	**2**	2	B	
Dc	**3**	2	B	
Dx	**1**	7	A	
Dx	**2**	7	A	
Dx	**3**	7	A	

Entry Sources

Arm	Traffic Stream	Normal Cruise Time (seconds)	Normal Cruise Speed (kph)
B	1	20.88	48.28
B	2	20.88	48.28
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
E	3	14.91	48.28
C3-1	1	4.15	48.28
C4	1	6.46	48.28
C4	2	6.46	48.28
C5	1	4.10	48.28
Fx	1	21.62	48.28
Fx	2	21.62	48.28

Sources

Arm	Traffic Stream	Source	Source Type	Source Traffic Stream	Destination Traffic Stream	Normal Cruise Time (seconds)	Normal Cruise Speed (kph)	Auto Turning Radius	Traffic Turn Style	Turning Radius (m)
1	1	1	TrafficStream	C2/1	1/1	23.28	48.28	✓	Straight	Straight Movement
3	1	1	TrafficStream	Bx/1	3/1	20.88	48.28	✓	Straight	Straight Movement
4	2	1	TrafficStream	Fx1/1	4/2	4.47	48.28	✓	Straight	Straight Movement
4	3	1	TrafficStream	Fx1/1	4/3	7.20	30.00	✓	Straight	Straight Movement
4	4	1	TrafficStream	Fx1/2	4/4	4.47	48.28	✓	Straight	Straight Movement
4	5	1	TrafficStream	Fx1/2	4/5	7.20	30.00	✓	Straight	Straight Movement
A	2	1	TrafficStream	4/2	A/2	3.60	30.00	✓	Straight	Straight Movement
A	3	1	TrafficStream	4/3	A/3	3.60	30.00	✓	Straight	Straight Movement
A	4	1	TrafficStream	4/4	A/4	3.60	30.00	✓	Straight	Straight Movement
A	5	1	TrafficStream	4/5	A/5	3.60	30.00	✓	Straight	Straight Movement
C	1	1	TrafficStream	1/1	C/1	14.91	48.28	✓	Straight	Straight Movement
C	2	1	TrafficStream	1/1	C/2	14.91	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/3	Ac/3	4.03	48.28	✓	Straight	Straight Movement
Ax	1	1	TrafficStream	Ec/1	Ax/1	1.12	64.37	✓	Straight	Straight Movement
Ax	2	1	TrafficStream	Ec/2	Ax/2	1.12	64.37	✓	Straight	Straight Movement
Ax2	1	1	TrafficStream	Ax/1	Ax2/1	9.60	30.00	✓	Straight	Straight Movement

Ax2	**2**	**1**	TrafficStream	Ax/2	Ax2/2	9.60	30.00	✓	Straight	Straight Movement
Bc	**1**	**1**	TrafficStream	Ac/1	Bc/1	3.10	48.28	✓	Straight	Straight Movement
Bc	**2**	**1**	TrafficStream	Ac/2	Bc/2	3.10	48.28	✓	Straight	Straight Movement
Bc	**3**	**1**	TrafficStream	Ac/2	Bc/3	3.10	48.28	✓	Straight	Straight Movement
Bc	**4**	**1**	TrafficStream	Ac/3	Bc/4	3.10	48.28	✓	Straight	Straight Movement
Bc1	**1**	**1**	TrafficStream	B/1	Bc1/1	7.35	48.28	✓	Nearside	29.55
Bc1	**2**	**1**	TrafficStream	Bc3/2	Bc1/2	7.35	48.28	✓	Straight	Straight Movement
Bc1	**3**	**1**	TrafficStream	Bc3/3	Bc1/3	7.35	48.28	✓	Straight	Straight Movement
Bc1	**4**	**1**	TrafficStream	Bc3/4	Bc1/4	7.35	48.28	✓	Straight	Straight Movement
Bc3	**1**	**1**	TrafficStream	Bc/1	Bc3/1	1.51	48.28	✓	Straight	Straight Movement
Bc3	**2**	**1**	TrafficStream	Bc/2	Bc3/2	1.51	48.28	✓	Straight	Straight Movement
Bc3	**3**	**1**	TrafficStream	Bc/3	Bc3/3	1.51	48.28	✓	Straight	Straight Movement
Bc3	**4**	**1**	TrafficStream	Bc/4	Bc3/4	1.51	48.28	✓	Straight	Straight Movement
Bx	**1**	**1**	TrafficStream	Bc/1	Bx/1	1.00	48.28	✓	Nearside	22.12
C2	**1**	**1**	TrafficStream	C4/1	C2/1	23.28	48.28	✓	Straight	Straight Movement
C2	**2**	**1**	TrafficStream	C3-1/1	C2/2	23.28	48.28	✓	Straight	Straight Movement
Cc	**1**	**1**	TrafficStream	Bc1/2	Cc/1	4.85	48.28	✓	Straight	Straight Movement
Cc	**2**	**1**	TrafficStream	Bc1/3	Cc/2	4.85	48.28	✓	Straight	Straight Movement
Cc	**3**	**1**	TrafficStream	Bc1/4	Cc/3	4.85	48.28	✓	Offside	88.92
Cx	**1**	**1**	TrafficStream	Bc1/1	Cx/1	5.59	64.37	✓	Nearside	83.25
Cx	**2**	**1**	TrafficStream	Bc1/2	Cx/2	5.59	64.37	✓	Straight	Straight Movement
Cx 2	**1**	**1**	TrafficStream	Cx/1	Cx 2/1	30.87	48.28	✓	Straight	Straight Movement
Cx 2	**2**	**1**	TrafficStream	Cx/1	Cx 2/2	30.87	48.28	✓	Straight	Straight Movement
Cx3	**1**	**1**	TrafficStream	Cx 2/1	Cx3/1	4.43	48.28	✓	Straight	Straight Movement
Cx4-2	**1**	**1**	TrafficStream	Cx 2/1	Cx4-2/1	5.77	48.28	✓	Straight	Straight Movement
Cx4-2	**2**	**1**	TrafficStream	Cx 2/2	Cx4-2/2	5.77	48.28	✓	Straight	Straight Movement
Cx5	**1**	**1**	TrafficStream	C3-1/1	Cx5/1	4.67	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
Fx1	**1**	**1**	TrafficStream	Fx/1	Fx1/1	7.46	48.28	✓	Straight	Straight Movement
Fx1	**2**	**1**	TrafficStream	Fx/1	Fx1/2	7.46	48.28	✓	Straight	Straight Movement
1	**1**	**2**	TrafficStream	C2/2	1/1	23.28	48.28	✓	Straight	Straight Movement
Ac	**1**	**2**	TrafficStream	Ec/2	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	1.12	64.37	✓	Straight	Straight Movement
Ax	**2**	**2**	TrafficStream	E/1	Ax/2	1.12	64.37	✓	Straight	Straight Movement
Bc	**1**	**2**	TrafficStream	A/2	Bc/1	4.99	30.00	✓	Nearside	75.00
Bc	**2**	**2**	TrafficStream	A/3	Bc/2	4.99	30.00	✓	Nearside	95.00
Bc	**3**	**2**	TrafficStream	A/4	Bc/3	4.99	30.00	✓	Straight	Straight Movement
Bc	**4**	**2**	TrafficStream	A/5	Bc/4	4.99	30.00	✓	Straight	Straight Movement
Bc1	**1**	**2**	TrafficStream	Bc3/1	Bc1/1	7.35	48.28	✓	Straight	Straight Movement
Bc1	**2**	**2**	TrafficStream	B/1	Bc1/2	7.35	48.28	✓	Nearside	29.55
Bc1	**3**	**2**	TrafficStream	B/2	Bc1/3	7.35	48.28	✓	Nearside	49.55
Bc1	**4**	**2**	TrafficStream	B/2	Bc1/4	7.35	48.28	✓	Nearside	49.55
C2	**1**	**2**	TrafficStream	C5/1	C2/1	23.28	48.28	✓	Straight	Straight Movement
C2	**2**	**2**	TrafficStream	C4/2	C2/2	23.28	48.28	✓	Straight	Straight Movement
Cx 2	**1**	**2**	TrafficStream	Cx/2	Cx 2/1	30.87	48.28	✓	Straight	Straight Movement
Cx 2	**2**	**2**	TrafficStream	Cx/2	Cx 2/2	30.87	48.28	✓	Straight	Straight Movement
Cx3	**1**	**2**	TrafficStream	C5/1	Cx3/1	4.43	48.28	✓	Straight	Straight Movement
Cx4-2	**2**	**2**	TrafficStream	C5/1	Cx4-2/2	5.77	48.28	✓	Straight	Straight Movement
Cx5	**1**	**2**	TrafficStream	C4/1	Cx5/1	4.67	48.28	✓	Straight	Straight Movement
Dc	**1**	**2**	TrafficStream	Cc/1	Dc/1	6.71	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
Fx1	**1**	**2**	TrafficStream	Fx/2	Fx1/1	7.46	48.28	✓	Straight	Straight Movement
Fx1	**2**	**2**	TrafficStream	Fx/2	Fx1/2	7.46	48.28	✓	Straight	Straight Movement
Cx3	**1**	**3**	TrafficStream	C4/2	Cx3/1	7.12	30.00	✓	Straight	Straight Movement
Cx5	**1**	**3**	TrafficStream	Cx 2/2	Cx5/1	4.67	48.28	✓	Straight	Straight Movement

Give Way Data

Arm	Traffic Stream	Opposed Traffic	Use Step-wise Opposed Turn Model	Visibility Restricted
A	**2**	AllTraffic		
A	**3**	AllTraffic		
A	**4**	AllTraffic		
A	**5**	AllTraffic		
C3-1	**1**	AllTraffic		
E	**1**	AllTraffic		
E	**2**	AllTraffic		
E	**3**	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
2	Roundabout Circulating	TrafficStream	Ac/1	100	0.19		0	0
3	Roundabout Circulating	TrafficStream	Ac/1	100	0.19		0	0
3		TrafficStream	Ac/2	100	0.19		0	0
4	Roundabout Circulating	TrafficStream	Ac/1	100	0.19		0	0
4		TrafficStream	Ac/2	100	0.19		0	0
5	Roundabout Circulating	TrafficStream	Ac/1	100	0.19		0	0
5		TrafficStream	Ac/2	100	0.19		0	0
5		TrafficStream	Ac/3	100	0.19		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	0.21		0	0
2		TrafficStream	Ec/2	100	0.21		0	0
2		TrafficStream	Ec/3	100	0.21		0	0
3	Roundabout Circulating	TrafficStream	Ec/1	100	0.21		0	0
3		TrafficStream	Ec/2	100	0.21		0	0
3		TrafficStream	Ec/3	100	0.21		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

Local OD Matrix - Local Matrix: 2031 AM S3

Normal Input Flows (PCU/hr)

		To						
		1	2	3	4	5	6	7
From	1	0	78	0	260	70	739	295
	2	31	0	0	133	31	241	23
	3	0	0	0	0	0	0	0
	4	220	272	0	0	69	344	367
	5	56	74	0	23	0	77	101
	6	353	715	0	379	99	0	358
	7	262	14	0	518	159	1096	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 AM S3	1	(untitled)	Fx/2,Fx/1	Ax2/1,Ax2/2
2031 AM S3	2	(untitled)	B/1,B/2	3/1
2031 AM S3	3	(untitled)	C3-1/1	Cx3/1
2031 AM S3	4	(untitled)	C4/1,C4/2	Cx4-2/1,Cx4-2/2
2031 AM S3	5	(untitled)	C5/1	Cx5/1
2031 AM S3	6	(untitled)	D/1,D/2,D/3	Dx1/2,Dx1/1
2031 AM S3	7	(untitled)	E/1,E/2,E/3	Ex/1,Ex/2

Paths

OD Matrix	Path	Description	From Location	To Location	Path Items
2031 AM S3	1		6	1	D/1,Ec/1,Ax/1,Ax2/1
2031 AM S3	2		6	7	D/1,Ex/1
2031 AM S3	3		6	1	D/2,Ec/2,Ax/2,Ax2/2
2031 AM S3	4		6	2	D/2,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	5		6	3	D/2,Ec/2,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx3/1
2031 AM S3	6		6	4	D/2,Ec/2,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx4-2/1
2031 AM S3	7		6	5	D/2,Ec/2,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx5/1
2031 AM S3	8		6	4	D/2,Ec/2,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx4-2/2
2031 AM S3	9		6	6	D/3,Ec/3,Ac/2,Bc/2,Bc3/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 AM S3	10		6	3	D/3,Ec/3,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx3/1
2031 AM S3	11		6	4	D/3,Ec/3,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx4-2/1
2031 AM S3	12		6	5	D/3,Ec/3,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx5/1
2031 AM S3	13		6	4	D/3,Ec/3,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx4-2/2
2031 AM S3	14		6	6	D/3,Ec/3,Ac/2,Bc/3,Bc3/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 AM S3	15		7	1	E/1,Ax/1,Ax2/1
2031 AM S3	16		7	1	E/1,Ax/2,Ax2/2
2031 AM S3	17		7	2	E/1,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	18		7	3	E/1,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx3/1
2031 AM S3	19		7	4	E/1,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx4-2/1
2031 AM S3	20		7	5	E/1,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx5/1
2031 AM S3	21		7	4	E/1,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx4-2/2
2031 AM S3	22		7	7	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cc/1,Dc/1,Ex/1
2031 AM S3	23		7	6	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 AM S3	24		7	3	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx3/1
2031 AM S3	25		7	4	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx4-2/1
2031 AM S3	26		7	5	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx5/1
2031 AM S3	27		7	4	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx4-2/2
2031 AM S3	28		7	6	E/2,Ac/2,Bc/3,Bc3/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 AM S3	29		7	7	E/3,Ac/3,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 AM S3	30		7	6	E/3,Ac/3,Bc/4,Bc3/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 AM S3	31		2	3	B/1,Bc1/1,Cx/1,Cx 2/1,Cx3/1
2031 AM S3	32		2	4	B/1,Bc1/1,Cx/1,Cx 2/1,Cx4-2/1
2031 AM S3	33		2	5	B/1,Bc1/1,Cx/1,Cx 2/2,Cx5/1
2031 AM S3	34		2	4	B/1,Bc1/1,Cx/1,Cx 2/2,Cx4-2/2
2031 AM S3	35		2	7	B/1,Bc1/2,Cc/1,Dc/1,Ex/1
2031 AM S3	36		2	6	B/1,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 AM S3	37		2	3	B/1,Bc1/2,Cx/2,Cx 2/1,Cx3/1
2031 AM S3	38		2	4	B/1,Bc1/2,Cx/2,Cx 2/1,Cx4-2/1
2031 AM S3	39		2	5	B/1,Bc1/2,Cx/2,Cx 2/2,Cx5/1

2031 AM S3	**40**		2	4	B/1,Bc1/2,Cx/2,Cx 2/2,Cx4-2/2
2031 AM S3	**41**		2	6	B/2,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 AM S3	**42**		2	1	B/2,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**43**		2	7	B/2,Bc1/4,Cc/3,Dc/2,Ex/2
2031 AM S3	**44**		2	1	B/2,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**45**		2	2	B/2,Bc1/4,Cc/3,Dc/3,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	**46**		2	6	B/2,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 AM S3	**47**		3	5	C3-1/1,Cx5/1
2031 AM S3	**48**		3	7	C3-1/1,C2/2,1/1,C/1,Dc/1,Ex/1
2031 AM S3	**49**		3	6	C3-1/1,C2/2,1/1,C/1,Dx/1,Dx1/1
2031 AM S3	**50**		3	1	C3-1/1,C2/2,1/1,C/2,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**51**		3	7	C3-1/1,C2/2,1/1,C/2,Dc/2,Ex/2
2031 AM S3	**52**		3	1	C3-1/1,C2/2,1/1,C/2,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**53**		3	2	C3-1/1,C2/2,1/1,C/2,Dc/3,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	**54**		4	5	C4/1,Cx5/1
2031 AM S3	**55**		4	7	C4/1,C2/1,1/1,C/1,Dc/1,Ex/1
2031 AM S3	**56**		4	6	C4/1,C2/1,1/1,C/1,Dx/1,Dx1/1
2031 AM S3	**57**		4	1	C4/1,C2/1,1/1,C/2,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**58**		4	7	C4/1,C2/1,1/1,C/2,Dc/2,Ex/2
2031 AM S3	**59**		4	1	C4/1,C2/1,1/1,C/2,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**60**		4	2	C4/1,C2/1,1/1,C/2,Dc/3,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	**61**		4	3	C4/2,Cx3/1
2031 AM S3	**62**		4	7	C4/2,C2/2,1/1,C/1,Dc/1,Ex/1
2031 AM S3	**63**		4	6	C4/2,C2/2,1/1,C/1,Dx/1,Dx1/1
2031 AM S3	**64**		4	1	C4/2,C2/2,1/1,C/2,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**65**		4	7	C4/2,C2/2,1/1,C/2,Dc/2,Ex/2
2031 AM S3	**66**		4	1	C4/2,C2/2,1/1,C/2,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**67**		4	2	C4/2,C2/2,1/1,C/2,Dc/3,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	**68**		5	3	C5/1,Cx3/1
2031 AM S3	**69**		5	7	C5/1,C2/1,1/1,C/1,Dc/1,Ex/1
2031 AM S3	**70**		5	6	C5/1,C2/1,1/1,C/1,Dx/1,Dx1/1
2031 AM S3	**71**		5	1	C5/1,C2/1,1/1,C/2,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**72**		5	7	C5/1,C2/1,1/1,C/2,Dc/2,Ex/2
2031 AM S3	**73**		5	1	C5/1,C2/1,1/1,C/2,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**74**		5	2	C5/1,C2/1,1/1,C/2,Dc/3,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	**75**		5	4	C5/1,Cx4-2/2
2031 AM S3	**76**		1	2	Fx/2,Fx1/1,4/2,A/2,Bc/1,Bx/1,3/1
2031 AM S3	**77**		1	3	Fx/2,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx3/1
2031 AM S3	**78**		1	4	Fx/2,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx4-2/1
2031 AM S3	**79**		1	5	Fx/2,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx5/1
2031 AM S3	**80**		1	4	Fx/2,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx4-2/2
2031 AM S3	**81**		1	7	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cc/1,Dc/1,Ex/1
2031 AM S3	**82**		1	6	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 AM S3	**83**		1	3	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx3/1
2031 AM S3	**84**		1	4	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx4-2/1
2031 AM S3	**85**		1	5	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx5/1
2031 AM S3	**86**		1	4	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx4-2/2
2031 AM S3	**87**		1	6	Fx/2,Fx1/2,4/4,A/4,Bc/3,Bc3/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 AM S3	**88**		1	1	Fx/2,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**89**		1	7	Fx/2,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 AM S3	**90**		1	1	Fx/2,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**91**		1	6	Fx/2,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dx/3,Dx1/2

2031 AM S3	**92**		1	2	Fx/1,Fx1/1,4/2,A/2,Bc/1,Bx/1,3/1
2031 AM S3	**93**		1	3	Fx/1,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx3/1
2031 AM S3	**94**		1	4	Fx/1,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx4-2/1
2031 AM S3	**95**		1	5	Fx/1,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx5/1
2031 AM S3	**96**		1	4	Fx/1,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx4-2/2
2031 AM S3	**97**		1	7	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cc/1,Dc/1,Ex/1
2031 AM S3	**98**		1	6	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 AM S3	**99**		1	3	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx3/1
2031 AM S3	**100**		1	4	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx4-2/1
2031 AM S3	**101**		1	5	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx5/1
2031 AM S3	**102**		1	4	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx4-2/2
2031 AM S3	**103**		1	6	Fx/1,Fx1/2,4/4,A/4,Bc/3,Bc3/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 AM S3	**104**		1	1	Fx/1,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**105**		1	7	Fx/1,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 AM S3	**106**		1	1	Fx/1,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**107**		1	6	Fx/1,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dx/3,Dx1/2

Normal Path Flows

OD Matrix	Path	Permitted Flow Type	Allocation Type	Fixed Flow (PCU/hr)
2031 AM S3	**1**	✓	Normal	
2031 AM S3	**2**	✓	Normal	
2031 AM S3	**3**	✓	Normal	
2031 AM S3	**4**	✓	Normal	
2031 AM S3	**5**	✓	Normal	
2031 AM S3	**6**	✓	Normal	
2031 AM S3	**7**	✓	Normal	
2031 AM S3	**8**	✓	Normal	
2031 AM S3	**9**	✓	Normal	
2031 AM S3	**10**	✓	Normal	
2031 AM S3	**11**	✓	Normal	
2031 AM S3	**12**	✓	Normal	
2031 AM S3	**13**	✓	Normal	
2031 AM S3	**14**	✓	Normal	
2031 AM S3	**15**	✓	Normal	
2031 AM S3	**16**	✓	Normal	
2031 AM S3	**17**	✓	Normal	
2031 AM S3	**18**	✓	Normal	
2031 AM S3	**19**	✓	Normal	
2031 AM S3	**20**	✓	Normal	
2031 AM S3	**21**	✓	Fixed	0
2031 AM S3	**22**	✓	Normal	
2031 AM S3	**23**	✓	Disabled	
2031 AM S3	**24**	✓	Normal	
2031 AM S3	**25**	✓	Normal	
2031 AM S3	**26**	✓	Normal	
2031 AM S3	**27**	✓	Normal	
2031 AM S3	**28**	✓	Normal	
2031 AM S3	**29**	✓	Normal	
2031 AM S3	**30**	✓	Normal	
2031 AM S3	**31**	✓	Normal	

2031 AM S3	**32**	✓	Normal	
2031 AM S3	**33**	✓	Normal	
2031 AM S3	**34**	✓	Normal	
2031 AM S3	**35**	✓	Normal	
2031 AM S3	**36**	✓	Normal	
2031 AM S3	**37**	✓	Normal	
2031 AM S3	**38**	✓	Normal	
2031 AM S3	**39**	✓	Normal	
2031 AM S3	**40**	✓	Normal	
2031 AM S3	**41**	✓	Normal	
2031 AM S3	**42**	✓	Normal	
2031 AM S3	**43**	✓	Normal	
2031 AM S3	**44**	✓	Normal	
2031 AM S3	**45**	✓	Normal	
2031 AM S3	**46**	✓	Normal	
2031 AM S3	**47**	✓	Normal	
2031 AM S3	**48**	✓	Normal	
2031 AM S3	**49**	✓	Normal	
2031 AM S3	**50**	✓	Normal	
2031 AM S3	**51**	✓	Normal	
2031 AM S3	**52**	✓	Normal	
2031 AM S3	**53**	✓	Normal	
2031 AM S3	**54**	✓	Normal	
2031 AM S3	**55**	✓	Normal	
2031 AM S3	**56**	✓	Normal	
2031 AM S3	**57**	✓	Normal	
2031 AM S3	**58**	✓	Fixed	0
2031 AM S3	**59**	✓	Normal	
2031 AM S3	**60**	✓	Normal	
2031 AM S3	**61**	✓	Normal	
2031 AM S3	**62**	✓	Normal	
2031 AM S3	**63**	✓	Normal	
2031 AM S3	**64**	✓	Normal	
2031 AM S3	**65**	✓	Normal	
2031 AM S3	**66**	✓	Normal	
2031 AM S3	**67**	✓	Normal	
2031 AM S3	**68**	✓	Normal	
2031 AM S3	**69**	✓	Normal	
2031 AM S3	**70**	✓	Normal	
2031 AM S3	**71**	✓	Normal	
2031 AM S3	**72**	✓	Normal	
2031 AM S3	**73**	✓	Normal	
2031 AM S3	**74**	✓	Normal	
2031 AM S3	**75**	✓	Normal	
2031 AM S3	**76**	✓	Normal	
2031 AM S3	**77**	✓	Normal	
2031 AM S3	**78**	✓	Normal	
2031 AM S3	**79**	✓	Normal	
2031 AM S3	**80**	✓	Normal	

2031 AM S3	**81**	✓	Normal	
2031 AM S3	**82**	✓	Normal	
2031 AM S3	**83**	✓	Normal	
2031 AM S3	**84**	✓	Normal	
2031 AM S3	**85**	✓	Normal	
2031 AM S3	**86**	✓	Normal	
2031 AM S3	**87**	✓	Normal	
2031 AM S3	**88**	✓	Normal	
2031 AM S3	**89**	✓	Normal	
2031 AM S3	**90**	✓	Normal	
2031 AM S3	**91**	✓	Normal	
2031 AM S3	**92**	✓	Normal	
2031 AM S3	**93**	✓	Normal	
2031 AM S3	**94**	✓	Normal	
2031 AM S3	**95**	✓	Normal	
2031 AM S3	**96**	✓	Normal	
2031 AM S3	**97**	✓	Normal	
2031 AM S3	**98**	✓	Normal	
2031 AM S3	**99**	✓	Normal	
2031 AM S3	**100**	✓	Normal	
2031 AM S3	**101**	✓	Normal	
2031 AM S3	**102**	✓	Normal	
2031 AM S3	**103**	✓	Normal	
2031 AM S3	**104**	✓	Normal	
2031 AM S3	**105**	✓	Normal	
2031 AM S3	**106**	✓	Normal	
2031 AM S3	**107**	✓	Normal	

Signal Timings

Network Default: 88s cycle time; 88 steps

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	34,80

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	2	34	32	1	7
2	2	✓	2	B,C	39	80	41	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	✓	2	34	32
2	B	1	✓	39	85	46
2	C	1	✓	39	80	41

Intergreen Matrix for Controller Stream 2

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

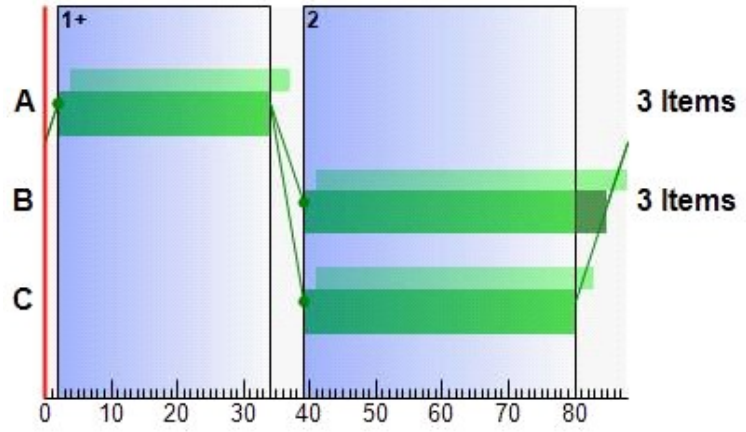
Interstage Matrix for Controller Stream 2

		To	
		1	2
From	1	0	5
	2	10	0

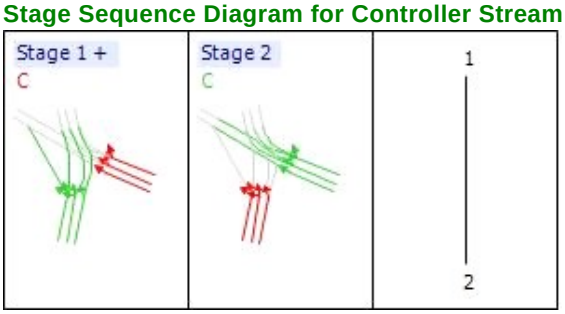
Banned Stage transitions for Controller Stream 2

		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	44,13

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	27	44	17	1	7
3	2	✓	2	B,C	49	13	52	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	✓	27	44	17
3	B	1	✓	49	22	61
3	C	1	✓	49	13	52

Intergreen Matrix for Controller Stream 3

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

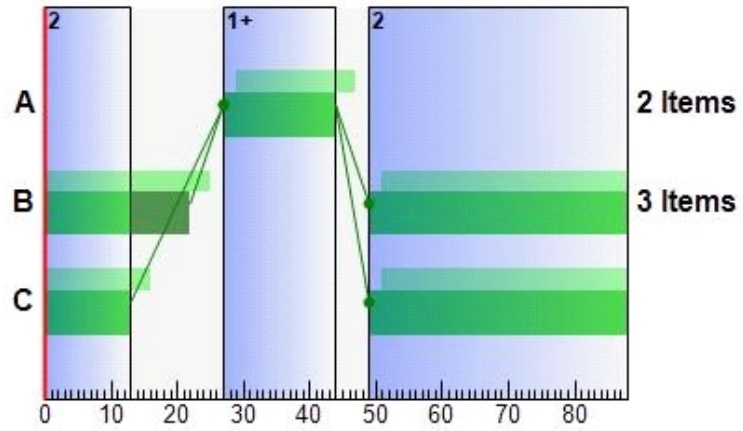
Interstage Matrix for Controller Stream 3

		To	
		1	2
From	1	0	5
	2	14	0

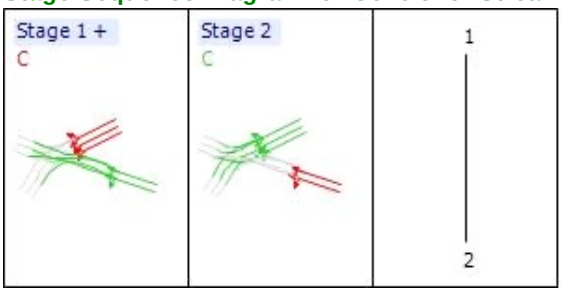
Banned Stage transitions for Controller Stream 3

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 3



Stage Sequence Diagram for Controller Stream 3



Controller Stream 4

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

Controller Stream 4 - Properties

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

Controller Stream 4 - Optimisation

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

Phases

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

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
4	**1**	A,B,D	1
4	**2**	C	1
4	**3**	E	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
4	1	(untitled)	Single	1,3,2	57,68,9
4	2	(untitled)	Single	1,2,3	0,29,53

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)
4	1	✓	1	A,B,D	15	57	42	1	7
4	2	✓	3	E	62	68	6	1	5
4	3	✓	2	C	80	9	17	1	7

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
4	A	1	✓	15	57	42
4	B	1	✓	15	57	42
4	C	1	✓	80	9	17
4	D	1	✓	14	57	43
4	E	1	✓	62	68	6

Intergreen Matrix for Controller Stream 4

		To				
		A	B	C	D	E
From	A			8		5
	B			7		5
	C	6	6		5	5
	D			8		5
	E	12	12	12	12	

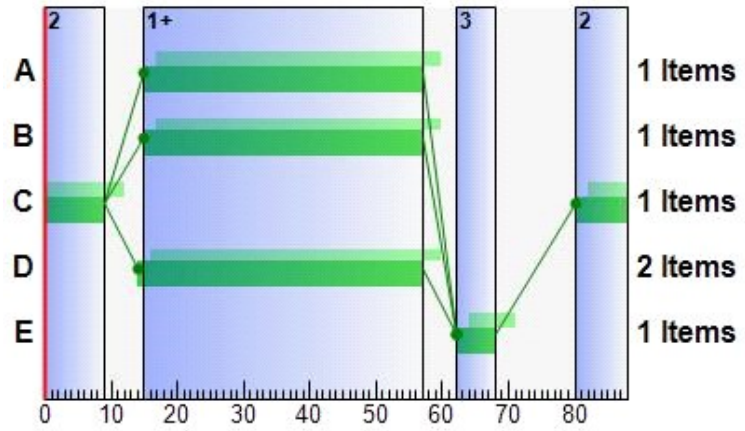
Interstage Matrix for Controller Stream 4

		To		
		1	2	3
From	1	0	8	5
	2	6	0	5
	3	12	12	0

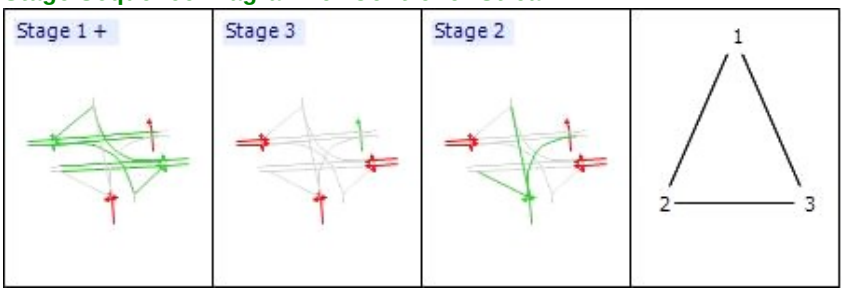
Banned Stage transitions for Controller Stream 4

		To		
		1	2	3
From	1			
	2			
	3			

Phase Timings Diagram for Controller Stream 4



Stage Sequence Diagram for Controller Stream 4



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	50,60

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	71	50	67	1	7
5	**2**	✓	2	B	55	60	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**	✓	71	50	67
5	**B**	**1**	✓	55	60	5

Intergreen Matrix for Controller Stream 5

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

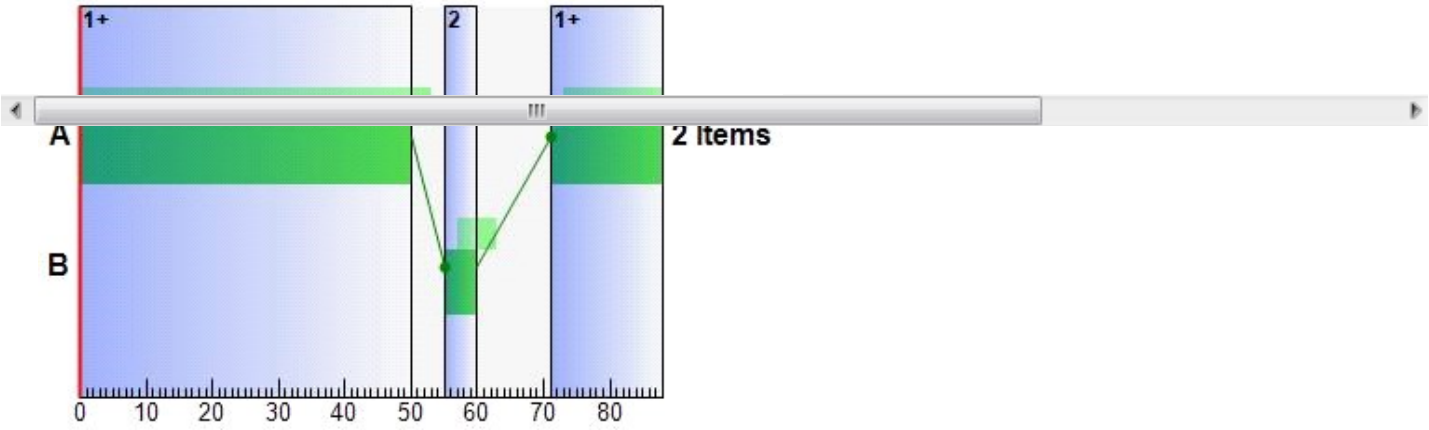
Interstage Matrix for Controller Stream 5

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

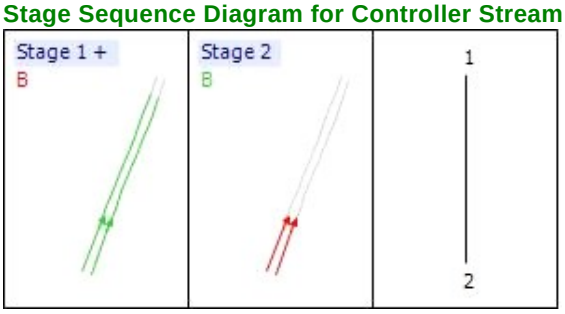
Banned Stage transitions for Controller Stream 5

		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	53,63

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	71	53	70	1	7
6	**2**	✓	2	B	58	63	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**	✓	71	53	70
6	**B**	**1**	✓	58	63	5

Intergreen Matrix for Controller Stream 6

		To	
		A	B
From	A		5
	B	8	

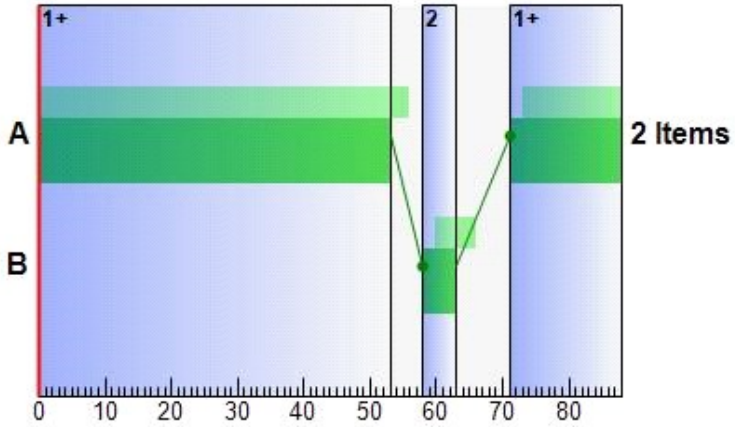
Interstage Matrix for Controller Stream 6

		To	
		1	2
From	1	0	5
	2	8	0

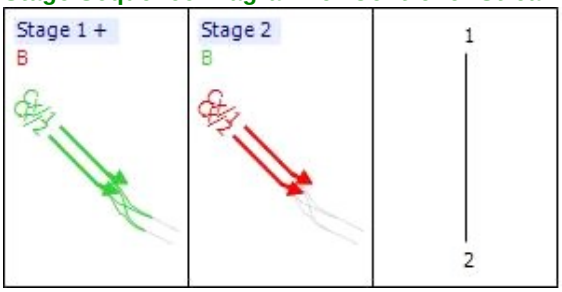
Banned Stage transitions for Controller Stream 6

		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	13,23

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	33	13	68	1	7
7	2	✓	2	B	18	23	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	✓	33	13	68
7	B	1	✓	18	23	5

Intergreen Matrix for Controller Stream 7

		To	
		A	B
From	A		5
	B	10	

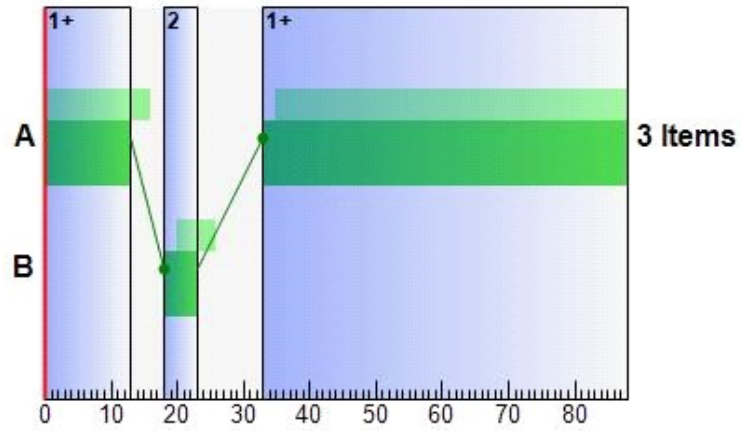
Interstage Matrix for Controller Stream 7

		To	
		1	2
From	1	0	5
	2	10	0

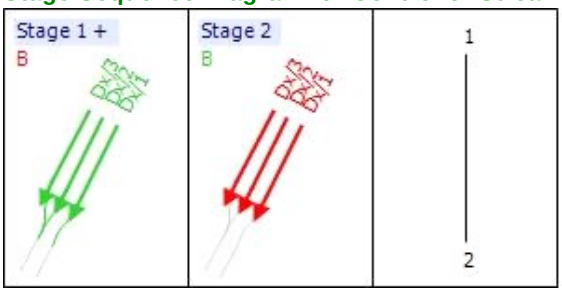
Banned Stage transitions for Controller Stream 7

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 7



Stage Sequence Diagram for Controller Stream 7



Controller Stream 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
9	**C**	(untitled)	5	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,C	1

Losing/ Gaining delays at each Controller Stream

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
9	1	(untitled)	Single	1,2	55,37

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	44	55	11	1	7
9	2	✓	2	B,C	60	37	65	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
9	A	1	✓	44	55	11
9	B	1	✓	60	39	67
9	C	1	✓	60	37	65

Intergreen Matrix for Controller Stream 9

		To		
		A	B	C
From	A		5	5
	B	5		
	C	7		

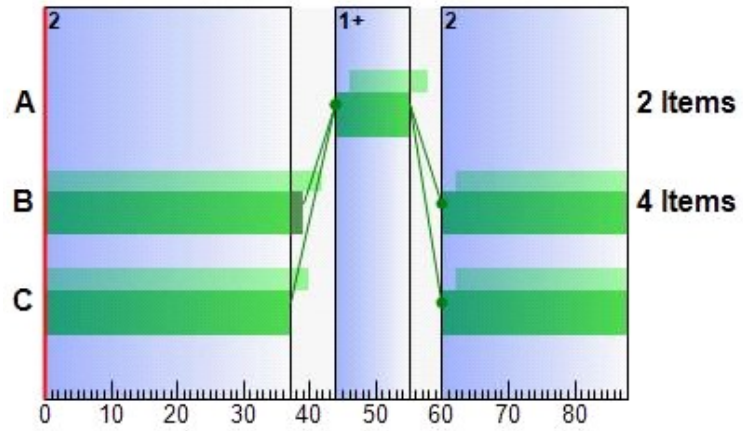
Interstage Matrix for Controller Stream 9

		To	
		1	2
From	1	0	5
	2	7	0

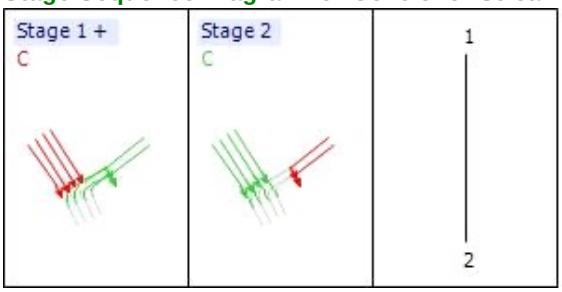
Banned Stage transitions for Controller Stream 9

		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)	5	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	9,19

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	24	9	73	1	7
10	**2**	✓	2	B	14	19	5	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
10	**A**	**1**	✓	24	9	73
10	**B**	**1**	✓	14	19	5

Intergreen Matrix for Controller Stream 10

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

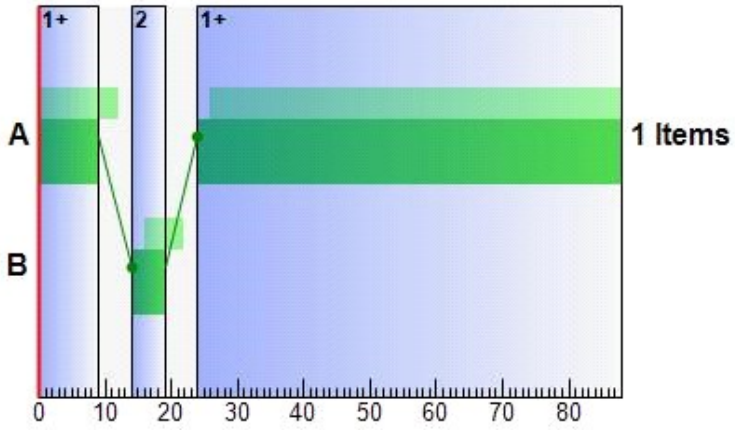
Interstage Matrix for Controller Stream 10

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

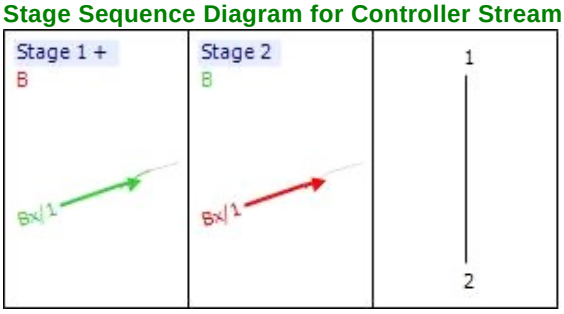
Banned Stage transitions for Controller Stream 10

		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)	5	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	25,37

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	51	25	62	1	7
11	**2**	✓	2	B	30	37	7	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
11	**A**	**1**	✓	51	25	62
11	**B**	**1**	✓	30	37	7

Intergreen Matrix for Controller Stream 11

		To	
		A	B
From	A		5
	B	14	

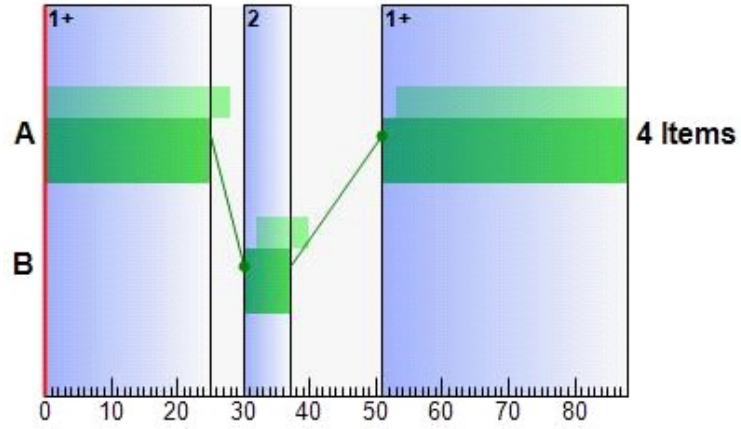
Interstage Matrix for Controller Stream 11

		To	
		1	2
From	1	0	5
	2	14	0

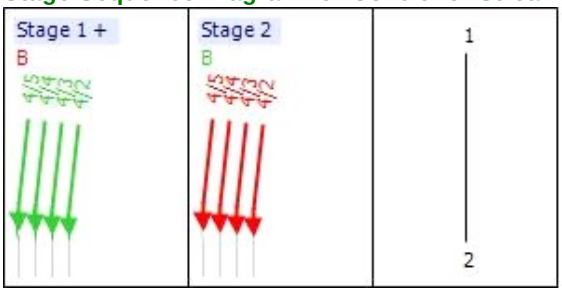
Banned Stage transitions for Controller Stream 11

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 11



Stage Sequence Diagram for Controller Stream 11



Final Prediction Table

Link Results

			SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES		W
Link	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 Queue (PCU)	Delay Weightin (%)
1 P	(untitled)	23	4	E	0 <	0	0	0.00	0	0	44.06	43.06	0.00	11.78 +	11.78	100

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUE
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)
1	1	(untitled)	25			1513	1800	88	88.00	84	7	34.51	11.23	70.03	31.46
3	1	(untitled)				1114	2128	88	9.00	52	72	21.81	0.93	0.00	0.29
4	2	(untitled)	28	11	A	360	2279	62	0.00	22	308	9.01	4.54	30.70	2.93
4	3	A38 North Entry	28	11	A	362	2279	62	10.00	22	306	11.74	4.54	31.82	2.95
4	4	(untitled)	28	11	A	360	2279	62	10.00	22	308	9.01	4.54	30.70	2.93
4	5	(untitled)	28	11	A	362	2279	62	52.00	22	306	11.74	4.54	31.82	2.95
A	2	(untitled)	1			360	710	88	55.00	51	77	8.69	5.09	45.83	4.86
A	3	A38 North Entry	1			362 <	525	88	24.00	69	31	15.06	11.46	81.87	6.18 +
A	4	(untitled)	1			360 <	525	88	21.00	69	31	14.87	11.27	81.07	6.13 +
A	5	(untitled)	1			362 <	432	88	14.00	84	7	32.38	28.78	116.51	10.85 +
B	1	(untitled)	10	9	A	222	1940	11	0.00	84	7	89.36	68.48	126.88	7.18
B	2	(untitled)	10	9	A	238	2080	11	0.00	84	7	87.44	66.56	125.04	7.57
C	1	(untitled)	3	3	A	680	3512 f	17	2.00	95!	-5	75.73	60.81	127.01	22.29
C	2	(untitled)	3	3	A	833 <	3663 f	17	0.00	111!	-19	240.05	225.14	249.71	64.05 +
D	1	(untitled)	4	2	A	688	2159	32	0.00	85	6	53.97	37.19	99.48	17.57
D	2	(untitled)	4	2	A	738	2317	32	16.00	85	6	53.15	36.37	98.60	18.69
D	3	(untitled)	4	2	A	479	2317	32	3.00	55	63	40.98	24.21	77.11	9.52
E	1	(untitled)	5			683 <	491	88	7.00	139!	-35	540.10	525.18	362.42	109.24 +
E	2	(untitled)	5			683 <	491	88	0.00	139!	-35	540.10	525.18	362.42	109.24 +
E	3	(untitled)	5			683 <	491	88	0.00	139!	-35	540.10	525.18	362.42	109.24 +
Ac	1	(untitled)	1			1329	2112	88	55.00	63	43	5.47	1.44	0.00	0.53
Ac	2	(untitled)	1			970	2263	88	3.00	43	110	4.62	0.60	0.00	0.16
Ac	3	(untitled)	1			491	2263	88	16.00	22	315	4.25	0.22	0.00	0.03
Ax	1	(untitled)	8	5	A	564 <	1965	67	0.00	37	142	5.74	4.62	26.78	3.98 +
Ax	2	(untitled)	8	5	A	257	2105	67	17.00	16	469	7.43	6.31	45.16	3.12
Ax2	1	A38 North Exit	17			564	1800	88	14.00	31	187	10.06	0.46	0.00	0.07

Ax2	**2**	A38 North Exit	17			257	1800	88	22.00	14	530	9.77	0.17	0.00	0.01
Bc	**1**	(untitled)	6			1689 <	1915	88	44.00	88	2	11.27	7.77	43.33	36.33 +
Bc	**2**	(untitled)	6			1035 <	2055	88	1.00	50	79	4.68	0.92	2.76	8.88 +
Bc	**3**	(untitled)	6			657	2055	88	0.00	32	182	4.54	0.41	0.00	0.08
Bc	**4**	(untitled)	6			853	2055	88	11.00	41	117	4.52	0.62	0.00	0.15
Bc1	**1**	(untitled)	2			656	1800	88	1.00	36	147	7.92	0.57	0.00	0.10
Bc1	**2**	(untitled)	2			1175	2055	88	0.00	57	57	8.52	1.17	0.00	0.38
Bc1	**3**	(untitled)	2			760	1800	88	0.00	42	113	8.08	0.73	0.00	0.15
Bc1	**4**	(untitled)	2			988	2055	88	0.00	48	87	8.16	0.81	0.00	0.22
Bc3	**1**	(untitled)	10	9	B	574	1915	67	0.00	39	132	3.61	2.09	14.60	2.44
Bc3	**2**	(untitled)	10	9	B	1035 <	2055	67	0.00	65	38	4.92	3.40	12.56	3.62 +
Bc3	**3**	(untitled)	10	9	B	657	2055	67	0.00	41	118	3.55	2.04	13.22	2.59
Bc3	**4**	(untitled)	10	9	B	853 <	2055	67	0.00	54	68	5.29	3.78	23.82	6.03 +
Bx	**1**	(untitled)	27	10	A	1114 <	2128	73	0.00	62	45	7.15	6.15	67.64	21.37 +
C2	**1**	(untitled)	9			849	1800	88	7.00	47	91	24.17	0.89	0.00	0.21
C2	**2**	(untitled)	9			664	1800	88	27.00	37	144	23.92	0.64	3.12	5.15
C3-1	**1**	(untitled)	23			0	0	88	88.00	0	-100	0.00	0.00	0.00	0.00
C4	**1**	(untitled)	23	4	D	609	1887	43	0.00	65	39	26.15	19.69	73.41	11.41
C4	**2**	(untitled)	23	4	D	664	2055	43	0.00	65	39	25.89	19.43	73.13	12.39
C5	**1**	(untitled)	23	4	C	332 <	1906	17	0.00	85	6	61.78	57.68	118.28	9.96 +
Cc	**1**	(untitled)	3	3	B	372	2059	61	9.00	26	251	8.72	3.88	23.30	2.26
Cc	**2**	(untitled)	3	3	B	760	2209	61	0.00	49	84	8.97	4.13	19.31	3.76
Cc	**3**	(untitled)	3	3	B	988	2181	61	0.00	64	40	10.11	5.26	20.48	5.21
Cx	**1**	A4097 Kinsbury Road Exit	24	6	A	656	2120	70	0.00	38	135	7.80	2.20	18.17	4.26
Cx	**2**	A4097 Kinsbury Road Exit	24	6	A	803	2120	70	0.00	47	92	7.95	2.36	16.13	4.10
Cx 2	**1**	(untitled)	23	4	A	661	1915	42	0.00	71	27	51.10	20.23	74.31	12.80
Cx 2	**2**	(untitled)	23	4	B	798	2055	42	0.00	79	13	57.41	26.54	88.21	18.09
Cx3	**1**	(untitled)				0	1800	88	88.00	0	Unrestricted	0.00	0.00	0.00	0.00
Cx4-2	**1**	(untitled)				661	1800	88	40.00	37	145	6.65	0.87	14.03	10.29
Cx4-2	**2**	(untitled)				506	1800	88	25.00	28	220	6.16	0.39	0.00	0.05
Cx5	**1**	(untitled)				384	1800	88	41.00	21	322	4.94	0.27	0.00	0.03
Dc	**1**	(untitled)	4	2	B	344	2059	46	4.00	31	188	13.84	7.13	70.14	7.12
Dc	**2**	(untitled)	4	2	B	564	2172	46	1.00	49	85	19.39	12.68	77.40	11.30
Dc	**3**	(untitled)	4	2	B	451	2185	46	20.00	39	133	13.13	6.42	83.41	10.70
Dx	**1**	(untitled)	7	7	A	708 <	1915	68	1.00	47	91	9.39	6.25	62.98	13.58 +
Dx	**2**	(untitled)	7	7	A	760	2055	68	12.00	47	91	7.50	4.36	22.98	4.06
Dx	**3**	(untitled)	7	7	A	722	2055	68	12.00	45	101	7.57	4.43	22.95	4.09
Dx1	**1**	A38 South Exit				708	2155	88	10.00	33	174	14.39	0.41	0.00	0.08
Dx1	**2**	A38 South Exit				1481	2155	88	4.00	69	31	16.12	2.13	18.03	14.70

Ec	1	(untitled)	5			470	1800	88	31.00	26	245	4.08	0.35	0.00	0.05
Ec	2	(untitled)	5			1189 <	1800	88	15.00	66	36	8.14	4.41	58.31	17.86 +
Ec	3	(untitled)	5			479 <	1800	88	52.00	27	238	5.32	1.59	37.01	9.09 +
Ex	1	(untitled)				702	1800	88	6.00	39	131	8.19	0.74	5.15	4.77
Ex	2	(untitled)				424	1800	88	42.00	24	282	7.77	0.31	0.43	0.55
Fx	1	(untitled)	20			722	2112	88	0.00	34	163	22.07	0.44	0.00	0.09
Fx	2	(untitled)	20			722	2263	88	0.00	32	182	22.00	0.37	0.00	0.07
Fx1	1	(untitled)	22			722	1800	88	0.00	40	124	8.13	0.67	0.00	0.13
Fx1	2	(untitled)	22			722	1800	88	0.00	40	124	8.13	0.67	0.00	0.13

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	6299.60	574.55	10.96	75.22	373.80	3174.08	598.07	744.28	4516.43
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)	6342.92	581.67	10.90	77.16	377.54	3206.36	601.02	744.28	4551.66

- *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***

Link Results

Link Results: Flows And Signals

Time Segment	Link	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	1	500	500	0		10000	795	63		43	0.00	6	7

Link Results: Stops And Delays

Time Segment	Link	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	1	1.00	43.06	5.45	0.53	84.93	84.93	0.00	0.00	0.00	0.00	0.00

Link Results: Queues And Blocking

Time Segment	Link	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	1	0.00	11.78	10.00	117.78	0.14	0.00	0.00	0.53	11.78	0.00	0.00	0.00	

Link Results: Advanced

Time Segment	Link	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)	Performance Index (£ per hr)
08:00-09:00	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	11.78	0.53	11.78	0.00	84.93	84.93

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	1	1	84	7	1513	1800	88	11.23	31.46	57.93	67.03	34.41	101.44
08:00-09:00	3	1	52	72	1114	2128	88	0.93	0.29	0.59	4.08	0.00	4.08
08:00-09:00	4	2	22	308	360	2279	62	4.54	2.93	28.09	6.44	3.59	10.03
08:00-09:00	4	3	22	306	362	2279	62	4.54	2.95	28.25	6.49	1.44	7.93
08:00-09:00	4	4	22	308	360	2279	62	4.54	2.93	28.09	6.44	3.59	10.03
08:00-09:00	4	5	22	306	362	2279	62	4.54	2.95	28.25	6.49	1.44	7.93
08:00-09:00	A	2	51	77	360	710	88	5.09	4.86	93.14	2.89	0.41	3.31
08:00-09:00	A	3	69	31	362	525	88	11.46	6.18	118.45	6.54	0.74	7.29
08:00-09:00	A	4	69	31	360	525	88	11.27	6.13	117.55	6.40	0.73	7.13
08:00-09:00	A	5	84	7	362	432	88	28.78	10.85	207.98	16.44	1.06	17.50
08:00-09:00	B	1	84	7	222	1940	11	68.48	7.18	14.74	35.98	1.83	37.81
08:00-09:00	B	2	84	7	238	2080	11	66.56	7.57	15.54	37.49	1.93	39.43
08:00-09:00	C	1	95!	-5	680	3512	17	60.81	22.29	64.09	65.25	0.00	65.25
08:00-09:00	C	2	111!	-19	833	3663	17	225.14	64.05	184.14	295.90	0.00	295.90
08:00-09:00	D	1	85	6	688	2159	32	37.19	17.57	33.68	40.37	0.00	40.37
08:00-09:00	D	2	85	6	738	2317	32	36.37	18.69	35.81	42.35	0.00	42.35

08:00-09:00	D	3	55	63	479	2317	32	24.21	9.52	18.24	18.29	0.00	18.29
08:00-09:00	E	1	139!	-35	683	491	88	525.18	109.24	314.07	565.95	57.76	623.70
08:00-09:00	E	2	139!	-35	683	491	88	525.18	109.24	314.07	565.95	57.76	623.70
08:00-09:00	E	3	139!	-35	683	491	88	525.18	109.24	314.07	565.95	57.76	623.70
08:00-09:00	Ac	1	63	43	1329	2112	88	1.44	0.53	7.60	7.55	0.00	7.55
08:00-09:00	Ac	2	43	110	970	2263	88	0.60	0.16	2.29	2.28	0.00	2.28
08:00-09:00	Ac	3	22	315	491	2263	88	0.22	0.03	0.43	0.43	0.00	0.43
08:00-09:00	Ax	1	37	142	564	1965	67	4.62	3.98	114.32	10.28	8.72	19.00
08:00-09:00	Ax	2	16	469	257	2105	67	6.31	3.12	89.57	6.40	6.71	13.11
08:00-09:00	Ax2	1	31	187	564	1800	88	0.46	0.07	0.51	1.02	0.00	1.02
08:00-09:00	Ax2	2	14	530	257	1800	88	0.17	0.01	0.09	0.17	0.00	0.17
08:00-09:00	Bc	1	88	2	1689	1915	88	7.77	36.33	502.74	51.77	21.25	73.02
08:00-09:00	Bc	2	50	79	1035	2055	88	0.92	8.88	122.84	3.78	0.80	4.57
08:00-09:00	Bc	3	32	182	657	2055	88	0.41	0.08	1.04	1.07	0.00	1.07
08:00-09:00	Bc	4	41	117	853	2055	88	0.62	0.15	2.03	2.09	0.00	2.09
08:00-09:00	Bc1	1	36	147	656	1800	88	0.57	0.10	0.61	1.49	0.00	1.49
08:00-09:00	Bc1	2	57	57	1175	2055	88	1.17	0.38	2.22	5.41	0.00	5.41
08:00-09:00	Bc1	3	42	113	760	1800	88	0.73	0.15	0.90	2.19	0.00	2.19
08:00-09:00	Bc1	4	48	87	988	2055	88	0.81	0.22	1.30	3.15	0.00	3.15
08:00-09:00	Bc3	1	39	132	574	1915	67	2.09	2.44	69.09	4.74	2.72	8.02
08:00-09:00	Bc3	2	65	38	1035	2055	67	3.40	3.62	102.55	13.88	4.22	144.27
08:00-09:00	Bc3	3	41	118	657	2055	67	2.04	2.59	73.42	5.28	2.82	21.16
08:00-09:00	Bc3	4	54	68	853	2055	67	3.78	6.03	170.59	12.71	6.60	458.76
08:00-09:00	Bx	1	62	45	1114	2128	73	6.15	21.37	1228.85	27.02	13.61	40.63
08:00-09:00	C2	1	47	91	849	1800	88	0.89	0.21	0.39	2.99	0.00	2.99
08:00-09:00	C2	2	37	144	664	1800	88	0.64	5.15	9.49	1.67	0.67	2.34
08:00-09:00	C3-1	1	0	-100	0	0	88	0.00	0.00	0.00	0.00	0.00	0.00
08:00-09:00	C4	1	65	39	609	1887	43	19.69	11.41	75.74	47.30	14.52	61.82
08:00-09:00	C4	2	65	39	664	2055	43	19.43	12.39	82.25	50.89	15.77	66.66
08:00-09:00	C5	1	85	6	332	1906	17	57.68	9.96	104.09	75.53	12.75	88.29

08:00-09:00	Cc	1	26	251	372	2059	61	3.88	2.26	37.63	5.69	2.81	8.50
08:00-09:00	Cc	2	49	84	760	2209	61	4.13	3.76	62.69	12.37	4.77	17.13
08:00-09:00	Cc	3	64	40	988	2181	61	5.26	5.21	86.84	20.49	6.57	27.06
08:00-09:00	Cx	1	38	135	656	2120	70	2.20	4.26	24.51	5.70	6.89	12.59
08:00-09:00	Cx	2	47	92	803	2120	70	2.36	4.10	23.59	7.47	7.48	14.94
08:00-09:00	Cx 2	1	71	27	661	1915	42	20.23	12.80	17.78	52.77	15.95	68.73
08:00-09:00	Cx 2	2	79	13	798	2055	42	26.54	18.09	25.12	83.57	22.87	106.44
08:00-09:00	Cx3	1	0	Unrestricted	0	1800	88	0.00	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Cx4-2	1	37	145	661	1800	88	0.87	10.29	76.45	2.28	3.01	5.29
08:00-09:00	Cx4-2	2	28	220	506	1800	88	0.39	0.05	0.41	0.78	0.00	0.78
08:00-09:00	Cx5	1	21	322	384	1800	88	0.27	0.03	0.27	0.41	0.00	0.41
08:00-09:00	Dc	1	31	188	344	2059	46	7.13	7.12	45.49	96.69	78.36	175.04
08:00-09:00	Dc	2	49	85	564	2172	46	12.68	11.30	72.19	28.20	14.17	42.37
08:00-09:00	Dc	3	39	133	451	2185	46	6.42	10.70	68.38	11.42	12.23	23.65
08:00-09:00	Dx	1	47	91	708	1915	68	6.25	13.58	139.46	17.47	25.74	43.21
08:00-09:00	Dx	2	47	91	760	2055	68	4.36	4.06	41.66	13.08	10.08	23.16
08:00-09:00	Dx	3	45	101	722	2055	68	4.43	4.09	41.98	12.62	9.56	22.18
08:00-09:00	Dx1	1	33	174	708	2155	88	0.41	0.08	0.18	1.14	0.00	1.14
08:00-09:00	Dx1	2	69	31	1481	2155	88	2.13	14.70	33.80	12.48	15.42	27.90
08:00-09:00	Ec	1	26	245	470	1800	88	0.35	0.05	0.53	0.66	0.00	0.66
08:00-09:00	Ec	2	66	36	1189	1800	88	4.41	17.86	205.40	20.68	22.52	195.48
08:00-09:00	Ec	3	27	238	479	1800	88	1.59	9.09	104.48	3.00	5.76	21.53
08:00-09:00	Ex	1	39	131	702	1800	88	0.74	4.77	27.43	2.04	1.17	3.21
08:00-09:00	Ex	2	24	282	424	1800	88	0.31	0.55	3.19	0.52	0.06	0.58
08:00-09:00	Fx	1	34	163	722	2112	88	0.44	0.09	0.18	1.26	0.00	1.26
08:00-09:00	Fx	2	32	182	722	2263	88	0.37	0.07	0.15	1.06	0.00	1.06
08:00-09:00	Fx1	1	40	124	722	1800	88	0.67	0.13	0.77	1.91	0.00	1.91
08:00-09:00	Fx1	2	40	124	722	1800	88	0.67	0.13	0.77	1.91	0.00	1.91

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))	Eff Gr (c
08:00-09:00	1	1	1513	1513	-2	✓	1800	1800	84		7	0.50	88	
08:00-09:00	3	1	1114	1114	39	✓	2128	2128	52		72	0.66	88	
08:00-09:00	4	2	360	360	1		2279	1632	22		308	0.00	62	
08:00-09:00	4	3	362	362	-2		2279	1632	22		306	0.00	62	
08:00-09:00	4	4	360	360	1		2279	1632	22		308	0.00	62	
08:00-09:00	4	5	362	362	-2		2279	1632	22		306	0.00	62	
08:00-09:00	A	2	360	360	1		710	710	51		77	0.55	88	
08:00-09:00	A	3	362	362	-2		525	525	69		31	0.55	88	
08:00-09:00	A	4	360	360	1		525	525	69		31	0.55	88	
08:00-09:00	A	5	362	362	-2		432	432	84		7	0.55	88	
08:00-09:00	B	1	222	222	0		1940	265	84		7	0.00	11	
08:00-09:00	B	2	238	238	-1		2080	284	84		7	0.00	11	
08:00-09:00	C	1	680	680	-1	✓	3512	718	95!	✓	-5	0.24	17	
08:00-09:00	C	2	833	749	-1	✓	3663	749	111!	✓	-19	0.21	17	
08:00-09:00	D	1	688	688	0		2159	810	85		6	0.00	32	
08:00-09:00	D	2	738	738	0		2317	869	85		6	0.00	32	
08:00-09:00	D	3	479	479	-1		2317	869	55		63	0.00	32	
08:00-09:00	E	1	683	491	0		491	491	139!	✓	-35	0.00	88	
08:00-09:00	E	2	683	491	0		491	491	139!	✓	-35	0.00	88	
08:00-09:00	E	3	683	491	0		491	491	139!	✓	-35	0.00	88	
08:00-09:00	Ac	1	1329	1329	153	✓	2112	2112	63		43	0.37	88	
08:00-09:00	Ac	2	970	970	191	✓	2263	2263	43		110	0.37	88	
08:00-09:00	Ac	3	491	491	192	✓	2263	2263	22		315	0.59	88	
08:00-09:00	Ax	1	564	564	50	✓	1965	1518	37		142	0.61	67	
08:00-09:00	Ax	2	257	257	50	✓	2105	1627	16		469	0.64	67	
08:00-09:00	Ax2	1	564	564	50	✓	1800	1800	31		187	0.70	88	
08:00-09:00	Ax2	2	257	257	50	✓	1800	1800	14		530	0.92	88	
08:00-09:00	Bc	1	1689	1689	154	✓	1915	1915	88		2	0.23	88	

08:00-09:00	**Bc**	**2**	1035	1035	74	✓	2055	2055	50		79	0.44	88	
08:00-09:00	**Bc**	**3**	657	657	117	✓	2055	2055	32		182	0.52	88	
08:00-09:00	**Bc**	**4**	853	853	191	✓	2055	2055	41		117	0.45	88	
08:00-09:00	**Bc1**	**1**	656	656	115	✓	1800	1800	36		147	0.50	88	
08:00-09:00	**Bc1**	**2**	1175	1175	73	✓	2055	2055	57		57	0.34	88	
08:00-09:00	**Bc1**	**3**	760	760	117	✓	1800	1800	42		113	0.46	88	
08:00-09:00	**Bc1**	**4**	988	988	190	✓	2055	2055	48		87	0.49	88	
08:00-09:00	**Bc3**	**1**	574	574	115	✓	1915	1480	39		132	0.52	67	
08:00-09:00	**Bc3**	**2**	1035	1035	73	✓	2055	1588	65		38	0.44	67	
08:00-09:00	**Bc3**	**3**	657	657	117	✓	2055	1588	41		118	0.51	67	
08:00-09:00	**Bc3**	**4**	853	853	191	✓	2055	1588	54		68	0.45	67	
08:00-09:00	**Bx**	**1**	1114	1114	39	✓	2128	1789	62		45	0.51	73	
08:00-09:00	**C2**	**1**	849	849	-1	✓	1800	1800	47		91	0.52	88	
08:00-09:00	**C2**	**2**	664	664	-1		1800	1800	37		144	0.86	88	
08:00-09:00	**C3-1**	**1**	0	0	0		0	0	0		-100	0.00	88	
08:00-09:00	**C4**	**1**	609	609	0		1887	944	65		39	0.00	43	
08:00-09:00	**C4**	**2**	664	664	-1		2055	1028	65		39	0.00	43	
08:00-09:00	**C5**	**1**	332	332	-1	✓	1906	390	85		6	0.00	17	
08:00-09:00	**Cc**	**1**	372	372	-2		2059	1451	26		251	0.36	61	
08:00-09:00	**Cc**	**2**	760	760	117	✓	2209	1556	49		84	0.44	61	
08:00-09:00	**Cc**	**3**	988	988	190	✓	2181	1537	64		40	0.47	61	
08:00-09:00	**Cx**	**1**	656	656	115	✓	2120	1710	38		135	0.48	70	
08:00-09:00	**Cx**	**2**	803	803	75	✓	2120	1710	47		92	0.53	70	
08:00-09:00	**Cx 2**	**1**	661	661	108	✓	1915	936	71		27	0.28	42	
08:00-09:00	**Cx 2**	**2**	798	798	82	✓	2055	1004	79		13	0.28	42	
08:00-09:00	**Cx3**	**1**	0	0	0		1800	1800	0		Unrestricted	0.00	88	
08:00-09:00	**Cx4-2**	**1**	661	661	108	✓	1800	1800	37		145	0.98	88	
08:00-09:00	**Cx4-2**	**2**	506	506	38	✓	1800	1800	28		220	0.92	88	
08:00-09:00	**Cx5**	**1**	384	384	44	✓	1800	1800	21		322	0.98	88	
08:00-09:00	**Dc**	**1**	344	344	-1	✓	2059	1100	31		188	1.03	46	

08:00-09:00	Dc	2	564	564	33	✓	2172	1160	49		85	0.70	46	
08:00-09:00	Dc	3	451	451	48	✓	2185	1167	39		133	1.41	46	
08:00-09:00	Dx	1	708	708	-1		1915	1502	47		91	0.85	68	
08:00-09:00	Dx	2	760	760	117	✓	2055	1611	47		91	0.63	68	
08:00-09:00	Dx	3	722	722	192	✓	2055	1611	45		101	0.63	68	
08:00-09:00	Dx1	1	708	708	-1		2155	2155	33		174	0.81	88	
08:00-09:00	Dx1	2	1481	1481	309	✓	2155	2155	69		31	0.49	88	
08:00-09:00	Ec	1	470	470	13	✓	1800	1800	26		245	0.86	88	
08:00-09:00	Ec	2	1189	1189	48	✓	1800	1800	66		36	0.81	88	
08:00-09:00	Ec	3	479	479	-1		1800	1800	27		238	1.23	88	
08:00-09:00	Ex	1	702	702	-1	✓	1800	1800	39		131	0.74	88	
08:00-09:00	Ex	2	424	424	20	✓	1800	1800	24		282	1.20	88	
08:00-09:00	Fx	1	722	722	-1		2112	2112	34		163	0.00	88	
08:00-09:00	Fx	2	722	722	-1		2263	2263	32		182	0.00	88	
08:00-09:00	Fx1	1	722	722	-1		1800	1800	40		124	0.00	88	
08:00-09:00	Fx1	2	722	722	-1		1800	1800	40		124	0.00	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	1	1	23.28	11.23	2.55	2.17	67.03	67.03	70.03	972.04	87.49	34.41	34.41
08:00-09:00	3	1	20.88	0.93	0.00	0.29	4.08	4.08	0.00	0.00	0.00	0.00	0.00
08:00-09:00	4	2	4.47	4.54	0.42	0.03	6.44	6.44	30.70	109.24	1.28	3.59	3.59
08:00-09:00	4	3	7.20	4.54	0.43	0.03	6.49	6.49	31.82	113.89	1.29	1.44	1.44
08:00-09:00	4	4	4.47	4.54	0.42	0.03	6.44	6.44	30.70	109.24	1.28	3.59	3.59
08:00-09:00	4	5	7.20	4.54	0.43	0.03	6.49	6.49	31.82	113.89	1.29	1.44	1.44
08:00-09:00	A	2	3.60	5.09	0.25	0.26	7.23	2.89	45.83	154.44	10.56	2.07	0.41
08:00-09:00	A	3	3.60	11.46	0.40	0.75	16.36	6.54	81.87	237.49	58.88	3.72	0.74
08:00-09:00	A	4	3.60	11.27	0.39	0.73	16.01	6.40	81.07	234.24	57.60	3.66	0.73
08:00-09:00	A	5	3.60	28.78	0.89	2.00	41.09	16.44	116.51	344.29	77.46	5.29	1.06

08:00-09:00	**B**	**1**	20.88	68.48	2.29	1.94	59.97	35.98	126.88	209.08	72.58	9.15	1.83
08:00-09:00	**B**	**2**	20.88	66.56	2.45	1.95	62.49	37.49	125.04	224.15	73.45	9.66	1.93
08:00-09:00	**C**	**1**	14.91	60.81	5.36	6.13	163.12	65.25	127.01	634.64	229.02	28.05	0.00
08:00-09:00	**C**	**2**	14.91	225.14	6.22	45.87	739.75	295.90	249.71	745.08	1125.88	60.76	0.00
08:00-09:00	**D**	**1**	16.78	37.19	4.82	2.29	100.92	40.37	99.48	594.01	90.40	39.51	0.00
08:00-09:00	**D**	**2**	16.78	36.37	5.17	2.29	105.88	42.35	98.60	637.09	90.59	42.01	0.00
08:00-09:00	**D**	**3**	16.78	24.21	2.88	0.34	45.73	18.29	77.11	355.68	13.69	21.32	0.00
08:00-09:00	**E**	**1**	14.91	525.18	2.26	97.38	1414.87	565.95	362.42	486.44	1292.06	57.76	57.76
08:00-09:00	**E**	**2**	14.91	525.18	2.26	97.38	1414.87	565.95	362.42	486.44	1292.06	57.76	57.76
08:00-09:00	**E**	**3**	14.91	525.18	2.26	97.38	1414.87	565.95	362.42	486.44	1292.06	57.76	57.76
08:00-09:00	**Ac**	**1**	4.03	1.44	0.00	0.53	7.55	7.55	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Ac**	**2**	4.03	0.60	0.00	0.16	2.28	2.28	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Ac**	**3**	4.03	0.22	0.00	0.03	0.43	0.43	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Ax**	**1**	1.12	4.62	0.61	0.11	10.28	10.28	26.78	146.64	4.48	8.72	8.72
08:00-09:00	**Ax**	**2**	1.12	6.31	0.44	0.01	6.40	6.40	45.16	115.56	0.61	6.71	6.71
08:00-09:00	**Ax2**	**1**	9.60	0.46	0.00	0.07	1.02	1.02	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Ax2**	**2**	9.60	0.17	0.00	0.01	0.17	0.17	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Bc**	**1**	3.50	7.77	0.47	3.18	51.77	51.77	43.33	604.20	127.47	21.25	21.25
08:00-09:00	**Bc**	**2**	3.76	0.92	0.01	0.26	3.78	3.78	2.76	18.17	10.41	0.80	0.80
08:00-09:00	**Bc**	**3**	4.13	0.41	0.00	0.08	1.07	1.07	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Bc**	**4**	3.90	0.62	0.00	0.15	2.09	2.09	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Bc1**	**1**	7.35	0.57	0.00	0.10	1.49	1.49	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Bc1**	**2**	7.35	1.17	0.00	0.38	5.41	5.41	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Bc1**	**3**	7.35	0.73	0.00	0.15	2.19	2.19	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Bc1**	**4**	7.35	0.81	0.00	0.22	3.15	3.15	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Bc3**	**1**	1.51	2.09	0.21	0.12	4.74	4.74	14.60	78.85	5.02	2.72	2.72
08:00-09:00	**Bc3**	**2**	1.51	3.40	0.37	0.61	13.88	13.88	12.56	105.35	24.69	4.22	4.22
08:00-09:00	**Bc3**	**3**	1.51	2.04	0.23	0.15	5.28	5.28	13.22	80.87	5.95	2.82	2.82
08:00-09:00	**Bc3**	**4**	1.51	3.78	0.58	0.31	12.71	12.71	23.82	190.44	12.66	6.60	6.60
08:00-09:00	**Bx**	**1**	1.00	6.15	1.39	0.51	27.02	27.02	67.64	732.80	20.85	13.61	13.61

08:00-09:00	**C2**	**1**	23.28	0.89	0.00	0.21	2.99	2.99	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**C2**	**2**	23.28	0.64	0.01	0.11	1.67	1.67	3.12	16.32	4.40	0.67	0.67
08:00-09:00	**C3-1**	**1**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**C4**	**1**	6.46	19.69	2.75	0.58	47.30	47.30	73.41	423.41	23.63	14.52	14.52
08:00-09:00	**C4**	**2**	6.46	19.43	3.00	0.59	50.89	50.89	73.13	461.79	23.77	15.77	15.77
08:00-09:00	**C5**	**1**	4.10	57.68	3.11	2.21	75.53	75.53	118.28	308.17	84.51	12.75	12.75
08:00-09:00	**Cc**	**1**	4.85	3.88	0.36	0.04	5.69	5.69	23.30	84.86	1.81	2.81	2.81
08:00-09:00	**Cc**	**2**	4.85	4.13	0.64	0.23	12.37	12.37	19.31	137.27	9.48	4.77	4.77
08:00-09:00	**Cc**	**3**	4.85	5.26	0.87	0.58	20.49	20.49	20.48	178.89	23.42	6.57	6.57
08:00-09:00	**Cx**	**1**	5.59	2.20	0.28	0.12	5.70	5.70	18.17	114.40	4.88	6.89	6.89
08:00-09:00	**Cx**	**2**	5.59	2.36	0.32	0.21	7.47	7.47	16.13	121.05	8.46	7.48	7.48
08:00-09:00	**Cx 2**	**1**	30.87	20.23	2.88	0.84	52.77	52.77	74.31	457.32	33.97	15.95	15.95
08:00-09:00	**Cx 2**	**2**	30.87	26.54	4.38	1.51	83.57	83.57	88.21	643.67	60.48	22.87	22.87
08:00-09:00	**Cx3**	**1**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Cx4-2**	**1**	5.77	0.87	0.05	0.11	2.28	2.28	14.03	88.39	4.35	3.01	3.01
08:00-09:00	**Cx4-2**	**2**	5.77	0.39	0.00	0.05	0.78	0.78	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Cx5**	**1**	4.67	0.27	0.00	0.03	0.41	0.41	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Dc**	**1**	6.71	7.13	0.61	0.07	9.67	96.69	70.14	238.39	2.90	7.84	78.36
08:00-09:00	**Dc**	**2**	6.71	12.68	1.76	0.23	28.20	28.20	77.40	427.12	9.34	14.17	14.17
08:00-09:00	**Dc**	**3**	6.71	6.42	0.68	0.12	11.42	11.42	83.41	371.49	4.97	12.23	12.23
08:00-09:00	**Dx**	**1**	3.13	6.25	1.02	0.21	17.47	17.47	62.98	437.34	8.56	25.74	25.74
08:00-09:00	**Dx**	**2**	3.13	4.36	0.71	0.21	13.08	13.08	22.98	157.51	17.08	10.08	10.08
08:00-09:00	**Dx**	**3**	3.13	4.43	0.71	0.18	12.62	12.62	22.95	158.23	7.40	9.56	9.56
08:00-09:00	**Dx1**	**1**	13.98	0.41	0.00	0.08	1.14	1.14	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Dx1**	**2**	13.98	2.13	0.13	0.75	12.48	12.48	18.03	176.15	90.97	15.42	15.42
08:00-09:00	**Ec**	**1**	3.73	0.35	0.00	0.05	0.66	0.66	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Ec**	**2**	3.73	4.41	0.82	0.64	20.68	20.68	58.31	641.60	51.85	22.52	22.52
08:00-09:00	**Ec**	**3**	3.73	1.59	0.16	0.05	3.00	3.00	37.01	175.31	1.97	5.76	5.76
08:00-09:00	**Ex**	**1**	7.46	0.74	0.02	0.12	2.04	2.04	5.15	31.07	5.09	1.17	1.17
08:00-09:00	**Ex**	**2**	7.46	0.31	0.00	0.04	0.52	0.52	0.43	0.34	1.48	0.06	0.06

08:00-09:00	Fx	1	21.62	0.44	0.00	0.09	1.26	1.26	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Fx	2	21.62	0.37	0.00	0.07	1.06	1.06	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Fx1	1	7.46	0.67	0.00	0.13	1.91	1.91	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Fx1	2	7.46	0.67	0.00	0.13	1.91	1.91	0.00	0.00	0.00	0.00	0.00

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	1	1	0.00	31.46	54.30	57.93	0.00	0.00	0.00			0.00	88.00	88.00	
08:00-09:00	3	1	0.00	0.29	48.70	0.59	0.00	0.00	0.00			9.00	0.00	9.00	
08:00-09:00	4	2	0.00	2.93	10.43	28.09	0.00	0.00	0.00	0.03	2.53	0.00	0.00	0.00	
08:00-09:00	4	3	0.00	2.95	10.43	28.25	0.00	0.00	0.00	0.03	2.55	0.00	10.00	10.00	
08:00-09:00	4	4	0.00	2.93	10.43	28.09	0.00	0.00	0.00	0.03	2.53	0.00	10.00	10.00	
08:00-09:00	4	5	0.00	2.95	10.43	28.25	0.00	0.00	0.00	0.03	2.55	0.00	52.00	52.00	
08:00-09:00	A	2	0.00	4.86	5.22	93.14	0.00	0.00	0.00			23.00	32.00	55.00	
08:00-09:00	A	3	0.00	6.18	5.22	118.45	0.06	0.00	0.00			21.00	3.00	24.00	
08:00-09:00	A	4	0.00	6.13	5.22	117.55	0.05	0.00	0.00			21.00	0.00	21.00	
08:00-09:00	A	5	0.00	10.85	5.22	207.98	2.40	0.00	0.00			14.00	0.00	14.00	
08:00-09:00	B	1	0.00	7.18	48.70	14.74	0.00	0.00	0.00	1.94	6.62	0.00	0.00	0.00	
08:00-09:00	B	2	0.00	7.57	48.70	15.54	0.00	0.00	0.00	1.95	6.97	0.00	0.00	0.00	
08:00-09:00	C	1	0.00	22.29	34.78	64.09	0.00	0.00	0.00	6.13	18.86	0.00	2.00	2.00	
08:00-09:00	C	2	0.00	64.05	34.78	184.14	19.24	0.00	0.00	45.87	60.06	0.00	0.00	0.00	
08:00-09:00	D	1	0.00	17.57	52.17	33.68	0.00	0.00	0.00	2.29	12.80	0.00	0.00	0.00	
08:00-09:00	D	2	0.00	18.69	52.17	35.81	0.00	0.00	0.00	2.29	13.56	0.00	16.00	16.00	
08:00-09:00	D	3	0.00	9.52	52.17	18.24	0.00	0.00	0.00	0.34	7.66	0.00	3.00	3.00	
08:00-09:00	E	1	0.00	109.24	34.78	314.07	68.53	0.00	0.00			0.00	7.00	7.00	
08:00-09:00	E	2	0.00	109.24	34.78	314.07	68.53	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	E	3	0.00	109.24	34.78	314.07	68.53	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Ac	1	0.00	0.53	7.00	7.60	0.00	0.00	0.00			0.00	55.00	55.00	
08:00-09:00	Ac	2	0.00	0.16	7.00	2.29	0.00	0.00	0.00			0.00	3.00	3.00	

08:00-09:00	Ac	3	0.00	0.03	7.00	0.43	0.00	0.00	0.00			16.00	0.00	16.00	
08:00-09:00	Ax	1	0.00	3.98	3.48	114.32	0.02	0.08	0.00	0.11	3.44	0.00	0.00	0.00	
08:00-09:00	Ax	2	0.00	3.12	3.48	89.57	0.00	0.00	0.00	0.01	2.73	17.00	0.00	17.00	
08:00-09:00	Ax2	1	0.00	0.07	13.91	0.51	0.00	0.00	0.00			14.00	0.00	14.00	
08:00-09:00	Ax2	2	0.00	0.01	13.91	0.09	0.00	0.00	0.00			22.00	0.00	22.00	
08:00-09:00	Bc	1	0.00	36.33	7.23	502.74	9.56	5.26	0.00			0.00	44.00	44.00	
08:00-09:00	Bc	2	0.00	8.88	7.23	122.84	0.04	0.00	0.00			0.00	1.00	1.00	
08:00-09:00	Bc	3	0.00	0.08	7.23	1.04	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Bc	4	0.00	0.15	7.23	2.03	0.00	0.00	0.00			0.00	11.00	11.00	
08:00-09:00	Bc1	1	0.00	0.10	17.14	0.61	0.00	0.00	0.00			1.00	0.00	1.00	
08:00-09:00	Bc1	2	0.00	0.38	17.14	2.22	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Bc1	3	0.00	0.15	17.14	0.90	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Bc1	4	0.00	0.22	17.14	1.30	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Bc3	1	0.00	2.44	3.53	69.09	0.00	0.01	0.55	0.12	1.81	0.00	0.00	0.00	
08:00-09:00	Bc3	2	0.00	3.62	3.53	102.55	0.00	0.13	126.16	0.61	2.75	0.00	0.00	0.00	
08:00-09:00	Bc3	3	0.00	2.59	3.53	73.42	0.00	0.01	13.06	0.15	1.83	0.00	0.00	0.00	
08:00-09:00	Bc3	4	0.00	6.03	3.53	170.59	0.15	0.44	439.45	0.31	3.60	0.00	0.00	0.00	
08:00-09:00	Bx	1	0.00	21.37	1.74	1228.85	4.99	0.00	0.00	0.51	5.53	0.00	0.00	0.00	
08:00-09:00	C2	1	0.00	0.21	54.30	0.39	0.00	0.00	0.00			7.00	0.00	7.00	
08:00-09:00	C2	2	0.00	5.15	54.30	9.49	0.00	0.00	0.00			27.00	0.00	27.00	
08:00-09:00	C3-1	1	0.00	0.00	9.67	0.00	0.00	0.00	0.00			88.00	0.00	88.00	
08:00-09:00	C4	1	0.00	11.41	15.06	75.74	0.00	0.00	0.00	0.58	8.03	0.00	0.00	0.00	
08:00-09:00	C4	2	0.00	12.39	15.06	82.25	0.00	0.00	0.00	0.59	8.70	0.00	0.00	0.00	
08:00-09:00	C5	1	0.00	9.96	9.57	104.09	0.01	0.00	0.00	2.21	8.67	0.00	0.00	0.00	
08:00-09:00	Cc	1	0.00	2.26	6.00	37.63	0.00	0.00	0.00	0.04	2.08	0.00	9.00	9.00	
08:00-09:00	Cc	2	0.00	3.76	6.00	62.69	0.00	0.00	0.00	0.23	3.36	0.00	0.00	0.00	
08:00-09:00	Cc	3	0.00	5.21	6.00	86.84	0.00	0.00	0.00	0.58	4.41	0.00	0.00	0.00	
08:00-09:00	Cx	1	0.00	4.26	17.39	24.51	0.00	0.00	0.00	0.12	2.19	0.00	0.00	0.00	
08:00-09:00	Cx	2	0.00	4.10	17.39	23.59	0.00	0.00	0.00	0.21	2.44	0.00	0.00	0.00	
08:00-09:00	Cx 2	1	0.00	12.80	71.99	17.78	0.00	0.00	0.00	0.84	7.58	0.00	0.00	0.00	

08:00-09:00	Cx 2	2	0.00	18.09	71.99	25.12	0.00	0.00	0.00	1.51	10.82	0.00	0.00	0.00	
08:00-09:00	Cx3	1	0.00	0.00	10.32	0.00	0.00	0.00	0.00			88.00	0.00	88.00	
08:00-09:00	Cx4-2	1	0.00	10.29	13.47	76.45	0.00	0.00	0.00			40.00	0.00	40.00	
08:00-09:00	Cx4-2	2	0.00	0.05	13.47	0.41	0.00	0.00	0.00			25.00	0.00	25.00	
08:00-09:00	Cx5	1	0.00	0.03	10.89	0.27	0.00	0.00	0.00			41.00	0.00	41.00	
08:00-09:00	Dc	1	0.00	7.12	15.65	45.49	0.00	0.00	0.00	0.07	3.17	4.00	0.00	4.00	
08:00-09:00	Dc	2	0.00	11.30	15.65	72.19	0.00	0.00	0.00	0.23	5.86	1.00	0.00	1.00	
08:00-09:00	Dc	3	0.00	10.70	15.65	68.38	0.00	0.00	0.00	0.12	3.51	17.00	3.00	20.00	
08:00-09:00	Dx	1	0.00	13.58	9.74	139.46	0.39	0.00	0.00	0.21	3.00	1.00	0.00	1.00	
08:00-09:00	Dx	2	0.00	4.06	9.74	41.66	0.00	0.00	0.00	0.21	4.06	12.00	0.00	12.00	
08:00-09:00	Dx	3	0.00	4.09	9.74	41.98	0.00	0.00	0.00	0.18	4.09	12.00	0.00	12.00	
08:00-09:00	Dx1	1	0.00	0.08	43.48	0.18	0.00	0.00	0.00			10.00	0.00	10.00	
08:00-09:00	Dx1	2	0.00	14.70	43.48	33.80	0.00	0.00	0.00			4.00	0.00	4.00	
08:00-09:00	Ec	1	0.00	0.05	8.70	0.53	0.00	0.00	0.00			24.00	7.00	31.00	
08:00-09:00	Ec	2	0.00	17.86	8.70	205.40	1.56	2.54	152.28			15.00	0.00	15.00	
08:00-09:00	Ec	3	0.00	9.09	8.70	104.48	0.01	0.21	12.77			52.00	0.00	52.00	
08:00-09:00	Ex	1	0.00	4.77	17.39	27.43	0.00	0.00	0.00			6.00	0.00	6.00	
08:00-09:00	Ex	2	0.00	0.55	17.39	3.19	0.00	0.00	0.00			42.00	0.00	42.00	
08:00-09:00	Fx	1	0.00	0.09	50.43	0.18	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Fx	2	0.00	0.07	50.43	0.15	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Fx1	1	0.00	0.13	17.39	0.77	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Fx1	2	0.00	0.13	17.39	0.77	0.00	0.00	0.00			0.00	0.00	0.00	

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	95	22.29	718	-5
08:00-09:00	C	2	✓	Quick Flare	111	64.05	749	-19

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)	Perfo Inde

08:00-09:00	1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	31.48			0.00	101.44	10
08:00-09:00	3	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.29			0.00	4.08	4
08:00-09:00	4	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.93	0.03	2.53	0.00	10.03	1
08:00-09:00	4	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.95	0.03	2.55	0.00	7.93	7
08:00-09:00	4	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.93	0.03	2.53	0.00	10.03	1
08:00-09:00	4	5	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.95	0.03	2.55	0.00	7.93	7
08:00-09:00	A	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.86			0.00	9.30	3
08:00-09:00	A	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.19			0.00	20.08	7
08:00-09:00	A	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.14			0.00	19.67	7
08:00-09:00	A	5	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.93			0.00	46.38	1
08:00-09:00	B	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.29	2.05	6.74	0.00	69.11	3
08:00-09:00	B	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.68	2.06	7.08	0.00	72.15	3
08:00-09:00	C	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	23.12	6.96	19.69	0.00	191.16	6
08:00-09:00	C	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	106.14	87.96	102.15	0.00	800.50	29
08:00-09:00	D	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	17.63	2.34	12.85	0.00	140.43	4
08:00-09:00	D	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	18.74	2.34	13.61	0.00	147.88	4
08:00-09:00	D	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.52	0.34	7.66	0.00	67.06	1
08:00-09:00	E	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	205.39			0.00	1472.63	62
08:00-09:00	E	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	205.39			0.00	1472.63	62
08:00-09:00	E	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	205.39			0.00	1472.63	62
08:00-09:00	Ac	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.53			0.00	7.55	7
08:00-09:00	Ac	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.16			0.00	2.28	2
08:00-09:00	Ac	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.03			0.00	0.43	0
08:00-09:00	Ax	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.98	0.11	3.44	0.00	19.00	1
08:00-09:00	Ax	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.12	0.01	2.73	0.00	13.11	1
08:00-09:00	Ax2	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.07			0.00	1.02	1
08:00-09:00	Ax2	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.01			0.00	0.17	0
08:00-09:00	Bc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	36.38			0.00	73.02	7
08:00-09:00	Bc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	8.88			0.00	4.57	4
08:00-09:00	Bc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.08			0.00	1.07	1

08:00-09:00	Bc	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.15			0.00	2.09	2
08:00-09:00	Bc1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.10			0.00	1.49	1
08:00-09:00	Bc1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.38			0.00	5.41	5
08:00-09:00	Bc1	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.15			0.00	2.19	2
08:00-09:00	Bc1	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.22			0.00	3.15	3
08:00-09:00	Bc3	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.44	0.12	1.81	0.55	7.47	8
08:00-09:00	Bc3	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.62	0.61	2.75	126.16	18.11	14
08:00-09:00	Bc3	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.59	0.15	1.83	13.06	8.10	2
08:00-09:00	Bc3	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.03	0.31	3.61	439.45	19.31	45
08:00-09:00	Bx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	21.37	0.51	5.53	0.00	40.63	4
08:00-09:00	C2	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.21			0.00	2.99	2
08:00-09:00	C2	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.15			0.00	2.34	2
08:00-09:00	C3-1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.00			0.00	0.00	0
08:00-09:00	C4	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	11.41	0.59	8.03	0.00	61.82	6
08:00-09:00	C4	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	12.39	0.59	8.70	0.00	66.66	6
08:00-09:00	C5	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.06	2.32	8.77	0.00	88.29	8
08:00-09:00	Cc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.26	0.04	2.08	0.00	8.50	8
08:00-09:00	Cc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.76	0.23	3.36	0.00	17.13	1
08:00-09:00	Cc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.21	0.58	4.42	0.00	27.06	2
08:00-09:00	Cx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.26	0.12	2.19	0.00	12.59	1
08:00-09:00	Cx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.10	0.21	2.44	0.00	14.94	1
08:00-09:00	Cx 2	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	12.80	0.85	7.58	0.00	68.73	6
08:00-09:00	Cx 2	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	18.10	1.52	10.84	0.00	106.44	10
08:00-09:00	Cx3	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.00			0.00	0.00	0
08:00-09:00	Cx4-2	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.29			0.00	5.29	5
08:00-09:00	Cx4-2	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.05			0.00	0.78	0
08:00-09:00	Cx5	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.03			0.00	0.41	0
08:00-09:00	Dc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.12	0.07	3.17	0.00	17.50	17
08:00-09:00	Dc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	11.30	0.23	5.86	0.00	42.37	4
08:00-09:00	Dc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.70	0.12	3.51	0.00	23.65	2

08:00-09:00	Dx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	13.58	0.21	3.00	0.00	43.21	4
08:00-09:00	Dx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.06	0.21	4.06	0.00	23.16	2
08:00-09:00	Dx	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.09	0.18	4.09	0.00	22.18	2
08:00-09:00	Dx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.08			0.00	1.14	1
08:00-09:00	Dx1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	14.70			0.00	27.90	2
08:00-09:00	Ec	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.05			0.00	0.66	0
08:00-09:00	Ec	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	17.86			152.28	43.20	19
08:00-09:00	Ec	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.09			12.77	8.76	2
08:00-09:00	Ex	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.77			0.00	3.21	3
08:00-09:00	Ex	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.55			0.00	0.58	0
08:00-09:00	Fx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.09			0.00	1.26	1
08:00-09:00	Fx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.07			0.00	1.06	1
08:00-09:00	Fx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.13			0.00	1.91	1
08:00-09:00	Fx1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.13			0.00	1.91	1

Network Results

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	48574	47913	3973	✓	139!	✓	-100	4901	4936

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	9.30	33.28	75.22	373.80	6376.06	3174.08	47.06	14200.33	6361.35	734.24	598.07

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))
08:00-09:00	1514.22	744.28	595.00	321.00	916.00

Network Results: Journey Times

Time Segment	Distance Travelled (PCU-km/hr)	Time Spent (PCU-hr/hr)	Mean Journey Speed (kph)
08:00-09:00	6299.60	574.55	10.96

TRANSYT 15

Version: 15.0.1.2976 []

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Last run: 26/06/2014 11:23:14
Analysis Set used for last run: A2 - 2031 PM Scenario 3

Filename: Scenario D Proposed New access - AM.t15
Path: F:\TEM\Project\BCC - Peddimore Access Modelling\3. EXECUTION\Modelling\With Water Orton Lane\Scenario D\Proposed Water Orton Lane\140620 Further Modelling\New access Signals
Report generation date: 26/06/2014 11:24:46

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

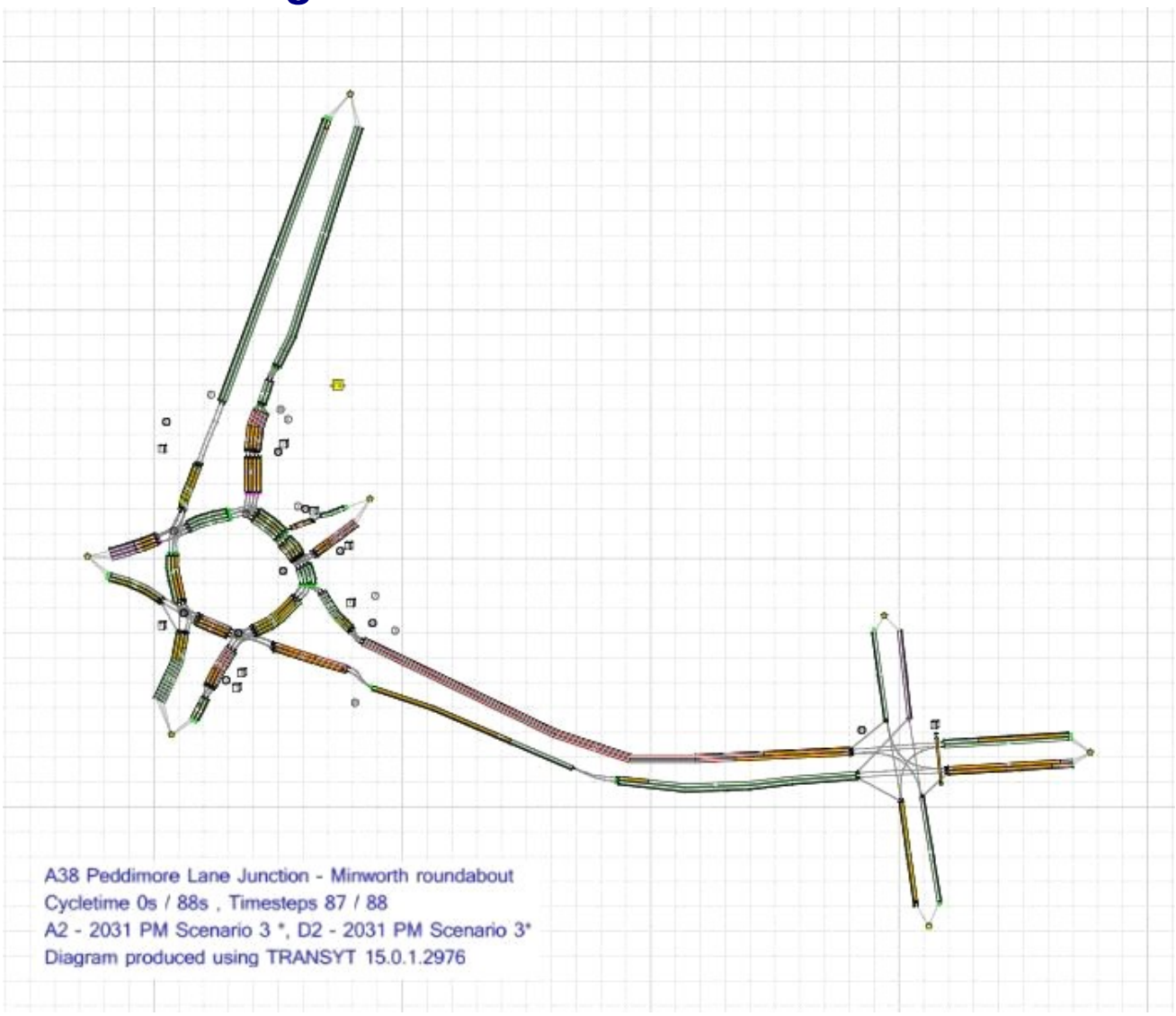
Units

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 11:22:21	26/06/2014 11:23:14	17:00	88	184.38	108.31	C/1	7	9	C/1	C3-1/1	C3-1/1	

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		✓	2,3,5,6,7,4,9,10,11

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	(untitled)	
17	A38 North Exit	
20	A30 Southbound Exit	
22	(untitled)	
23	(untitled)	
24	(untitled)	
25	(untitled)	
26	Lindridge Drive Circulatory	
27	Lindridge Drive Circulatory	
28	(untitled)	

Links

Links

Link	Name	Description	Traffic Node	Length (m)	Has Restricted Flow	Use RR67	Saturation Flow (PCU/hr)	Is Signal Controlled	Is Give Way	Traffic Type	Is Minor Shared
1	(untitled)		23	3.50	✓		10000	✓		Pedestrian	

Modelling

Link	Traffic Model	Stop Weighting (%)	Delay Weighting (%)	Exclude From Results Calculation	Max Queue Storage (PCU)	Has Queue Limit	Has Degree Of Saturation Limit	Degree Of Saturation Limit (%)	Excess Degree Of Saturation Penalty (£)	Low Degree Of Saturation Penalty (£)
1	[Forced to PDM]	100	100		0.00		✓	80	0.00	0.00

Modelling - Advanced

Link	Initial Queue (PCU)	Type of Vehicle-in-Service	Vehicle-in-Service	Type Of Random Parameter	Random Parameter	Auto Cycle Time	Cycle Time
1	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88

Flows

Link	Flows	Total Flow (17:00-18:00) (PCU/hr)
1	1	500

Flows - Advanced

Link	Detectors	Link Sensitivity Multiplier (%)	Cruise Sensitivity Multiplier (%)
1		100	100

Signals

Link	Controller Stream	Phase	Phase2 Enabled
1	4	E	

Entry Sources

Link	Cruise Time (seconds)	Cruise Speed (kph)
1	1.00	30.00

Arms and Traffic Streams

Arms

Arm	Name	Description	Traffic Node
1	A4097 Kingsbury Road WB		25
3	New Access Exit		
4	A38 North		28
A	A38 North		1
Ac	A38 North Circulatory		1
Ax	A38 North Exit		8
Ax2	A38 North Exit		17
B	New Access		10
Bc	New Access Circulatory 1		6
Bc1	Kingsbury Road Circulatory 2		2
Bc3	New Access Circulatory 2		10
C	A4097 Kingsbury Road		3
Bx	New Access Exit		27
C2	A4097 Kingsbury Road WB		9
C3-1	Cottage Lane Entry		23
Cx 2	A4097 Kingsbury Road EB		23
Cx3	Cottage Lane Exit		
Cx4-2	(untitled)		
Cx5	Water Orton Lane Exit		
D	A38 South		4
E	Wamley Ash Road		5
C4	A4097 Kingsbury Road Entry		23
C5	Water Orton Lane Entry		23
Cc	A4097 Kingsbury Road Circulatory		3
Cx	A4097 Kinsbury Road Exit		24
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		
Fx	A38 South Exit		20
Fx1	(untitled)		22

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
1	1	(untitled)			312.22	✓	SumOfLanes	1800			Normal

3	**1**	(untitled)			280.00	✓	SumOfLanes	2128			Normal
4	**2**	(untitled)			60.00	✓	SumOfLanes	2279	✓		Normal
4	**3**	A38 North Entry			60.00	✓	SumOfLanes	2279	✓		Normal
4	**4**	(untitled)			60.00	✓	SumOfLanes	2279	✓		Normal
4	**5**	(untitled)			60.00	✓	SumOfLanes	2279	✓		Normal
A	**2**	(untitled)			30.00					✓	Normal
A	**3**	A38 North Entry			30.00					✓	Normal
A	**4**	(untitled)			30.00					✓	Normal
A	**5**	(untitled)			30.00					✓	Normal
B	**1**	(untitled)			280.00	✓	SumOfLanes	1940	✓		Normal
B	**2**	(untitled)			280.00	✓	SumOfLanes	2080	✓		Normal
C	**1**	(untitled)			200.00	✓	SumOfLanes	2112	✓		Normal
C	**2**	(untitled)			200.00	✓	SumOfLanes	2263	✓		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
E	**1**	(untitled)			200.00					✓	Normal
E	**2**	(untitled)			200.00					✓	Normal
E	**3**	(untitled)			200.00					✓	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)			20.00	✓	SumOfLanes	1965	✓		Normal
Ax	**2**	(untitled)			20.00	✓	SumOfLanes	2105	✓		Normal
Ax2	**1**	A38 North Exit			80.00	✓	SumOfLanes	1800			Normal
Ax2	**2**	A38 North Exit			80.00	✓	SumOfLanes	1800			Normal
Bc	**1**	(untitled)			41.55	✓	SumOfLanes	1915			Normal
Bc	**2**	(untitled)			41.55	✓	SumOfLanes	2055			Normal
Bc	**3**	(untitled)			41.55	✓	SumOfLanes	2055			Normal
Bc	**4**	(untitled)			41.55	✓	SumOfLanes	2055			Normal
Bc1	**1**	(untitled)			98.58	✓	SumOfLanes	1915			Normal
Bc1	**2**	(untitled)			98.58	✓	SumOfLanes	2055			Normal
Bc1	**3**	(untitled)			98.58	✓	SumOfLanes	2055			Normal
Bc1	**4**	(untitled)			98.58	✓	SumOfLanes	2055			Normal
Bc3	**1**	(untitled)			20.31	✓	SumOfLanes	1915	✓		Normal
Bc3	**2**	(untitled)			20.31	✓	SumOfLanes	2055	✓		Normal
Bc3	**3**	(untitled)			20.31	✓	SumOfLanes	2055	✓		Normal
Bc3	**4**	(untitled)			20.31	✓	SumOfLanes	2055	✓		Normal
Bx	**1**	(untitled)			10.00	✓	SumOfLanes	2128	✓		Normal
C2	**1**	(untitled)			312.22	✓	SumOfLanes	1800			Normal
C2	**2**	(untitled)			312.22	✓	SumOfLanes	1800			Normal
C3-1	**1**	(untitled)			55.60					✓	Normal
C4	**1**	(untitled)			86.62	✓	SumOfLanes	1887	✓		Normal
C4	**2**	(untitled)			86.62	✓	SumOfLanes	2055	✓		Normal
C5	**1**	(untitled)			55.00	✓	SumOfLanes	1906	✓		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
Cx 2	**1**	(untitled)			413.96	✓	SumOfLanes	1915	✓		Normal
Cx 2	**2**	(untitled)			413.96	✓	SumOfLanes	2055	✓		Normal
Cx3	**1**	(untitled)			59.35	✓	SumOfLanes	1800			Normal
Cx4-2	**1**	(untitled)			77.43	✓	SumOfLanes	1800			Normal
Cx4-2	**2**	(untitled)			77.43	✓	SumOfLanes	1800			Normal
Cx5	**1**	(untitled)			62.61	✓	SumOfLanes	1800			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
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
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

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)
1	**1**	**1**	(untitled)											1800
3	**1**	**2**	Lindridge drive Exit											2128
4	**2**	**1**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
4	**3**	**3**	(untitled)		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
4	**4**	**2**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
4	**5**	**1**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
A	**2**	**1**	A38 North Entry		✓									
A	**3**	**3**	(untitled)		✓									
A	**4**	**2**	A38 North Entry		✓									
A	**5**	**1**	A38 North Entry		✓									

B	**1**	**1**	New Access		✓	N/A	N/A	0	3.25		0	10.00	✓	1940
B	**2**	**2**	New Access		✓	N/A	N/A	0	3.25		0	10.00		2080
C	**1**	**1**	A4097 Kingsbury Road Entry		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
C	**2**	**2**	A4097 Kingsbury Road Entry		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
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
E	**1**	**3**	(untitled)											
E	**2**	**3**	(untitled)											
E	**3**	**3**	(untitled)											
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
Ax2	**1**	**1**	(untitled)											1800
Ax2	**2**	**1**	(untitled)											1800
Bc	**1**	**2**	Lindridge Drive Circulatory		✓	N/A	N/A	0	3.00		0	10.00	✓	1915
Bc	**2**	**1**	Lindridge Drive Circulatory		✓	N/A	N/A	0	3.00		0	10.00		2055
Bc	**3**	**3**	Lindridge Drive Circulatory		✓	N/A	N/A	0	3.00		0	10.00		2055
Bc	**4**	**3**	Lindridge Drive Circulatory		✓	N/A	N/A	0	3.00		0	10.00		2055
Bc1	**1**	**2**	Lindridge Drive Circulatory											1915
Bc1	**2**	**1**	Lindridge Drive Circulatory											2055
Bc1	**3**	**3**	Lindridge Drive Circulatory											2055
Bc1	**4**	**3**	Lindridge Drive Circulatory											2055
Bc3	**1**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00	✓	1915
Bc3	**2**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00		2055
Bc3	**3**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00		2055
Bc3	**4**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00		2055

Bx	**1**	**2**	Lindridge drive Exit										2128
C2	**1**	**1**	(untitled)										1800
C2	**2**	**1**	(untitled)										1800
C3-1	**1**	**1**	(untitled)		✓							✓	
C4	**1**	**1**	(untitled)		✓	N/A	N/A	0	3.00		7	7.20	✓	1887
C4	**2**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	7.20		2055
C5	**1**	**1**	(untitled)		✓	N/A	N/A	0	2.91		0	10.00	✓	1906
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
Cx 2	**1**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00	✓	1915
Cx 2	**2**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00		2055
Cx3	**1**	**1**	(untitled)											1800
Cx4-2	**1**	**1**	(untitled)											1800
Cx4-2	**2**	**1**	(untitled)											1800
Cx5	**1**	**1**	(untitled)											1800
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
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
			Wamley											

Ex	**2**	**2**	Ash Road Exit										1800
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

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
1	**1**	[Forced to PDM]	100	100		0.00				
3	**1**	[Forced to PDM]	100	100		0.00				
4	**2**	[Forced to PDM]	20	40		0.00				
4	**3**	[Forced to PDM]	20	40		0.00				
4	**4**	[Forced to PDM]	20	40		0.00				
4	**5**	[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				
A	**5**	[Forced to PDM]	20	40	✓	0.00				
B	**1**	[Forced to PDM]	0	40		0.00				
B	**2**	[Forced to PDM]	0	40		0.00				
C	**1**	[Forced to PDM]	0	40		0.00				
C	**2**	[Forced to PDM]	0	40		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				
E	**1**	[Forced to PDM]	100	40		0.00				
E	**2**	[Forced to PDM]	100	40		0.00				
E	**3**	[Forced to PDM]	100	40		0.00				
Ac	**1**	[Forced to PDM]	100	100		7.00	✓	3	80.00	
Ac	**2**	[Forced to PDM]	100	100		7.00	✓	5	80.00	
Ac	**3**	[Forced to PDM]	100	100		7.00	✓	5	80.00	

Ax	**1**	[Forced to PDM]	100	100		0.00	✓	3	0.00	
Ax	**2**	[Forced to PDM]	100	100		0.00	✓	3	0.00	
Ax2	**1**	[Forced to PDM]	100	100		0.00				
Ax2	**2**	[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	
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	
Bc3	**1**	[Forced to PDM]	100	100		0.00	✓	2	60.00	
Bc3	**2**	[Forced to PDM]	100	100		0.00	✓	2	1000.00	
Bc3	**3**	[Forced to PDM]	100	100		0.00	✓	2	1000.00	
Bc3	**4**	[Forced to PDM]	100	100		0.00	✓	2	1000.00	
Bx	**1**	[Forced to PDM]	100	100		0.00				
C2	**1**	[Forced to PDM]	100	100		0.00				
C2	**2**	[Forced to PDM]	100	100		0.00				
C3-1	**1**	[Forced to PDM]	100	100		0.00				
C4	**1**	[Forced to PDM]	100	100		0.00				
C4	**2**	[Forced to PDM]	100	100		0.00				
C5	**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				
Cx 2	**1**	[Forced to PDM]	100	100		0.00				
Cx 2	**2**	[Forced to PDM]	100	100		0.00				

Cx3	**1**	[Forced to PDM]	100	100		0.00				
Cx4-2	**1**	[Forced to PDM]	100	100		0.00				
Cx4-2	**2**	[Forced to PDM]	100	100		0.00				
Cx5	**1**	[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				
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				
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				

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
1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
3	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
4	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
4	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
4	**4**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
4	**5**	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
A	**5**	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
C	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C	**2**	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
E	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
E	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
E	**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
Ax2	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax2	**2**	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
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
Bc3	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc3	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc3	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc3	**4**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C2	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C2	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C3-1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C4	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C4	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C5	**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
Cx 2	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx 2	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx3	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx4-2	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx4-2	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx5	**1**	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
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
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

Normal - Modelling

Arm	Traffic Stream	Stop Weighting (%)	Delay Weighting (%)
1	**1**	100	100
3	**1**	100	100
4	**2**	100	100
4	**3**	100	100
4	**4**	100	100
4	**5**	100	100
A	**2**	100	100
A	**3**	100	100
A	**4**	100	100
A	**5**	100	100
B	**1**	100	100
B	**2**	100	100
C	**1**	100	100
C	**2**	100	100
D	**1**	100	100
D	**2**	100	100
D	**3**	100	100
E	**1**	100	100
E	**2**	100	100
E	**3**	100	100
Ac	**1**	100	100
Ac	**2**	100	100
Ac	**3**	100	100
Ax	**1**	100	100
Ax	**2**	100	100
Ax2	**1**	100	100
Ax2	**2**	100	100
Bc	**1**	100	100
Bc	**2**	100	100
Bc	**3**	100	100
Bc	**4**	100	100
Bc1	**1**	100	100
Bc1	**2**	100	100

Bc1	**3**	100	100
Bc1	**4**	100	100
Bc3	**1**	100	100
Bc3	**2**	100	100
Bc3	**3**	100	100
Bc3	**4**	100	100
Bx	**1**	100	100
C2	**1**	100	100
C2	**2**	100	100
C3-1	**1**	100	100
C4	**1**	100	100
C4	**2**	100	100
C5	**1**	100	100
Cc	**1**	100	100
Cc	**2**	100	100
Cc	**3**	100	100
Cx	**1**	100	100
Cx	**2**	100	100
Cx 2	**1**	100	100
Cx 2	**2**	100	100
Cx3	**1**	100	100
Cx4-2	**1**	100	100
Cx4-2	**2**	100	100
Cx5	**1**	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
Ec	**1**	100	100
Ec	**2**	100	100
Ec	**3**	100	100
Ex	**1**	100	100
Ex	**2**	100	100
Fx	**1**	100	100
Fx	**2**	100	100
Fx1	**1**	100	100
Fx1	**2**	100	100

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)
1	**1**	1626	1626
3	**1**	350	350
4	**2**	226	226
4	**3**	283	283
4	**4**	283	283
4	**5**	283	283
A	**2**	226	226
A	**3**	283	283

A	**4**	283	283
A	**5**	283	283
B	**1**	474	474
B	**2**	508	508
C	**1**	881	881
C	**2**	745	745
D	**1**	812	812
D	**2**	872	872
D	**3**	566	566
E	**1**	477	477
E	**2**	477	477
E	**3**	477	477
Ac	**1**	528	528
Ac	**2**	1043	1043
Ac	**3**	477	477
Ax	**1**	388	388
Ax	**2**	1023	1023
Ax2	**1**	388	388
Ax2	**2**	1023	1023
Bc	**1**	754	754
Bc	**2**	1041	1041
Bc	**3**	569	569
Bc	**4**	760	760
Bc1	**1**	543	543
Bc1	**2**	1375	1375
Bc1	**3**	788	788
Bc1	**4**	1049	1049
Bc3	**1**	404	404
Bc3	**2**	1041	1041
Bc3	**3**	569	569
Bc3	**4**	760	760
Bx	**1**	350	350
C2	**1**	914	914
C2	**2**	712	712
C3-1	**1**	0	0
C4	**1**	654	654
C4	**2**	712	712
C5	**1**	333	333
Cc	**1**	478	478
Cc	**2**	788	788
Cc	**3**	1049	1049
Cx	**1**	543	543
Cx	**2**	897	897
Cx 2	**1**	645	645
Cx 2	**2**	795	795
Cx3	**1**	0	0
Cx4-2	**1**	645	645
Cx4-2	**2**	559	559
Cx5	**1**	309	309
Dc	**1**	800	800
Dc	**2**	667	667
Dc	**3**	324	324

Dx	**1**	559	559
Dx	**2**	788	788
Dx	**3**	803	803
Dx1	**1**	559	559
Dx1	**2**	1591	1591
Ec	**1**	267	267
Ec	**2**	1195	1195
Ec	**3**	566	566
Ex	**1**	1543	1543
Ex	**2**	470	470
Fx	**1**	538	538
Fx	**2**	538	538
Fx1	**1**	509	509
Fx1	**2**	567	567

Signals

Arm	Traffic Stream	Controller Stream	Phase	Phase2 Enabled
4	**2**	11	A	
4	**3**	11	A	
4	**4**	11	A	
4	**5**	11	A	
B	**1**	9	A	
B	**2**	9	A	
C	**1**	3	A	
C	**2**	3	A	
D	**1**	2	A	
D	**2**	2	A	
D	**3**	2	A	
Ax	**1**	5	A	
Ax	**2**	5	A	
Bc3	**1**	9	B	
Bc3	**2**	9	B	
Bc3	**3**	9	B	
Bc3	**4**	9	B	
Bx	**1**	10	A	
C4	**1**	4	D	
C4	**2**	4	D	
C5	**1**	4	C	
Cc	**1**	3	B	
Cc	**2**	3	B	
Cc	**3**	3	B	
Cx	**1**	6	A	
Cx	**2**	6	A	
Cx 2	**1**	4	A	
Cx 2	**2**	4	B	
Dc	**1**	2	B	
Dc	**2**	2	B	
Dc	**3**	2	B	
Dx	**1**	7	A	
Dx	**2**	7	A	
Dx	**3**	7	A	

Entry Sources

Arm	Traffic Stream	Normal Cruise Time (seconds)	Normal Cruise Speed (kph)
B	1	20.88	48.28
B	2	20.88	48.28
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
E	3	14.91	48.28
C3-1	1	4.15	48.28
C4	1	6.46	48.28
C4	2	6.46	48.28
C5	1	4.10	48.28
Fx	1	21.62	48.28
Fx	2	21.62	48.28

Sources

Arm	Traffic Stream	Source	Source Type	Source Traffic Stream	Destination Traffic Stream	Normal Cruise Time (seconds)	Normal Cruise Speed (kph)	Auto Turning Radius	Traffic Turn Style	Turning Radius (m)
1	1	1	TrafficStream	C2/1	1/1	23.28	48.28	✓	Straight	Straight Movement
3	1	1	TrafficStream	Bx/1	3/1	20.88	48.28	✓	Straight	Straight Movement
4	2	1	TrafficStream	Fx1/1	4/2	4.47	48.28	✓	Straight	Straight Movement
4	3	1	TrafficStream	Fx1/1	4/3	7.20	30.00	✓	Straight	Straight Movement
4	4	1	TrafficStream	Fx1/2	4/4	4.47	48.28	✓	Straight	Straight Movement
4	5	1	TrafficStream	Fx1/2	4/5	7.20	30.00	✓	Straight	Straight Movement
A	2	1	TrafficStream	4/2	A/2	3.60	30.00	✓	Straight	Straight Movement
A	3	1	TrafficStream	4/3	A/3	3.60	30.00	✓	Straight	Straight Movement
A	4	1	TrafficStream	4/4	A/4	3.60	30.00	✓	Straight	Straight Movement
A	5	1	TrafficStream	4/5	A/5	3.60	30.00	✓	Straight	Straight Movement
C	1	1	TrafficStream	1/1	C/1	14.91	48.28	✓	Straight	Straight Movement
C	2	1	TrafficStream	1/1	C/2	14.91	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/3	Ac/3	4.03	48.28	✓	Straight	Straight Movement
Ax	1	1	TrafficStream	Ec/1	Ax/1	1.12	64.37	✓	Straight	Straight Movement
Ax	2	1	TrafficStream	Ec/2	Ax/2	1.12	64.37	✓	Straight	Straight Movement
Ax2	1	1	TrafficStream	Ax/1	Ax2/1	9.60	30.00	✓	Straight	Straight Movement

Ax2	**2**	**1**	TrafficStream	Ax/2	Ax2/2	9.60	30.00	✓	Straight	Straight Movement
Bc	**1**	**1**	TrafficStream	Ac/1	Bc/1	3.10	48.28	✓	Straight	Straight Movement
Bc	**2**	**1**	TrafficStream	Ac/2	Bc/2	3.10	48.28	✓	Straight	Straight Movement
Bc	**3**	**1**	TrafficStream	Ac/2	Bc/3	3.10	48.28	✓	Straight	Straight Movement
Bc	**4**	**1**	TrafficStream	Ac/3	Bc/4	3.10	48.28	✓	Straight	Straight Movement
Bc1	**1**	**1**	TrafficStream	B/1	Bc1/1	7.35	48.28	✓	Nearside	29.55
Bc1	**2**	**1**	TrafficStream	Bc3/2	Bc1/2	7.35	48.28	✓	Straight	Straight Movement
Bc1	**3**	**1**	TrafficStream	Bc3/3	Bc1/3	7.35	48.28	✓	Straight	Straight Movement
Bc1	**4**	**1**	TrafficStream	Bc3/4	Bc1/4	7.35	48.28	✓	Straight	Straight Movement
Bc3	**1**	**1**	TrafficStream	Bc/1	Bc3/1	1.51	48.28	✓	Straight	Straight Movement
Bc3	**2**	**1**	TrafficStream	Bc/2	Bc3/2	1.51	48.28	✓	Straight	Straight Movement
Bc3	**3**	**1**	TrafficStream	Bc/3	Bc3/3	1.51	48.28	✓	Straight	Straight Movement
Bc3	**4**	**1**	TrafficStream	Bc/4	Bc3/4	1.51	48.28	✓	Straight	Straight Movement
Bx	**1**	**1**	TrafficStream	Bc/1	Bx/1	1.00	48.28	✓	Nearside	22.12
C2	**1**	**1**	TrafficStream	C4/1	C2/1	23.28	48.28	✓	Straight	Straight Movement
C2	**2**	**1**	TrafficStream	C3-1/1	C2/2	23.28	48.28	✓	Straight	Straight Movement
Cc	**1**	**1**	TrafficStream	Bc1/2	Cc/1	4.85	48.28	✓	Straight	Straight Movement
Cc	**2**	**1**	TrafficStream	Bc1/3	Cc/2	4.85	48.28	✓	Straight	Straight Movement
Cc	**3**	**1**	TrafficStream	Bc1/4	Cc/3	4.85	48.28	✓	Offside	88.92
Cx	**1**	**1**	TrafficStream	Bc1/1	Cx/1	5.59	64.37	✓	Nearside	83.25
Cx	**2**	**1**	TrafficStream	Bc1/2	Cx/2	5.59	64.37	✓	Straight	Straight Movement
Cx 2	**1**	**1**	TrafficStream	Cx/1	Cx 2/1	30.87	48.28	✓	Straight	Straight Movement
Cx 2	**2**	**1**	TrafficStream	Cx/1	Cx 2/2	30.87	48.28	✓	Straight	Straight Movement
Cx3	**1**	**1**	TrafficStream	Cx 2/1	Cx3/1	4.43	48.28	✓	Straight	Straight Movement
Cx4-2	**1**	**1**	TrafficStream	Cx 2/1	Cx4-2/1	5.77	48.28	✓	Straight	Straight Movement
Cx4-2	**2**	**1**	TrafficStream	Cx 2/2	Cx4-2/2	5.77	48.28	✓	Straight	Straight Movement
Cx5	**1**	**1**	TrafficStream	C3-1/1	Cx5/1	4.67	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
Fx1	**1**	**1**	TrafficStream	Fx/1	Fx1/1	7.46	48.28	✓	Straight	Straight Movement
Fx1	**2**	**1**	TrafficStream	Fx/1	Fx1/2	7.46	48.28	✓	Straight	Straight Movement
1	**1**	**2**	TrafficStream	C2/2	1/1	23.28	48.28	✓	Straight	Straight Movement
Ac	**1**	**2**	TrafficStream	Ec/2	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	1.12	64.37	✓	Straight	Straight Movement
Ax	**2**	**2**	TrafficStream	E/1	Ax/2	1.12	64.37	✓	Straight	Straight Movement
Bc	**1**	**2**	TrafficStream	A/2	Bc/1	4.99	30.00	✓	Nearside	75.00
Bc	**2**	**2**	TrafficStream	A/3	Bc/2	4.99	30.00	✓	Nearside	95.00
Bc	**3**	**2**	TrafficStream	A/4	Bc/3	4.99	30.00	✓	Straight	Straight Movement
Bc	**4**	**2**	TrafficStream	A/5	Bc/4	4.99	30.00	✓	Straight	Straight Movement
Bc1	**1**	**2**	TrafficStream	Bc3/1	Bc1/1	7.35	48.28	✓	Straight	Straight Movement
Bc1	**2**	**2**	TrafficStream	B/1	Bc1/2	7.35	48.28	✓	Nearside	29.55
Bc1	**3**	**2**	TrafficStream	B/2	Bc1/3	7.35	48.28	✓	Nearside	49.55
Bc1	**4**	**2**	TrafficStream	B/2	Bc1/4	7.35	48.28	✓	Nearside	49.55
C2	**1**	**2**	TrafficStream	C5/1	C2/1	23.28	48.28	✓	Straight	Straight Movement
C2	**2**	**2**	TrafficStream	C4/2	C2/2	23.28	48.28	✓	Straight	Straight Movement
Cx 2	**1**	**2**	TrafficStream	Cx/2	Cx 2/1	30.87	48.28	✓	Straight	Straight Movement
Cx 2	**2**	**2**	TrafficStream	Cx/2	Cx 2/2	30.87	48.28	✓	Straight	Straight Movement
Cx3	**1**	**2**	TrafficStream	C5/1	Cx3/1	4.43	48.28	✓	Straight	Straight Movement
Cx4-2	**2**	**2**	TrafficStream	C5/1	Cx4-2/2	5.77	48.28	✓	Straight	Straight Movement
Cx5	**1**	**2**	TrafficStream	C4/1	Cx5/1	4.67	48.28	✓	Straight	Straight Movement
Dc	**1**	**2**	TrafficStream	Cc/1	Dc/1	6.71	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
Fx1	**1**	**2**	TrafficStream	Fx/2	Fx1/1	7.46	48.28	✓	Straight	Straight Movement
Fx1	**2**	**2**	TrafficStream	Fx/2	Fx1/2	7.46	48.28	✓	Straight	Straight Movement
Cx3	**1**	**3**	TrafficStream	C4/2	Cx3/1	7.12	30.00	✓	Straight	Straight Movement
Cx5	**1**	**3**	TrafficStream	Cx 2/2	Cx5/1	4.67	48.28	✓	Straight	Straight Movement

Give Way Data

Arm	Traffic Stream	Opposed Traffic	Use Step-wise Opposed Turn Model	Visibility Restricted
A	**2**	AllTraffic		
A	**3**	AllTraffic		
A	**4**	AllTraffic		
A	**5**	AllTraffic		
C3-1	**1**	AllTraffic		
E	**1**	AllTraffic		
E	**2**	AllTraffic		
E	**3**	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
2	Roundabout Circulating	TrafficStream	Ac/1	100	0.19		0	0
3	Roundabout Circulating	TrafficStream	Ac/1	100	0.19		0	0
3		TrafficStream	Ac/2	100	0.19		0	0
4	Roundabout Circulating	TrafficStream	Ac/1	100	0.19		0	0
4		TrafficStream	Ac/2	100	0.19		0	0
5	Roundabout Circulating	TrafficStream	Ac/1	100	0.19		0	0
5		TrafficStream	Ac/2	100	0.19		0	0
5		TrafficStream	Ac/3	100	0.19		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	0.21		0	0
2		TrafficStream	Ec/2	100	0.21		0	0
2		TrafficStream	Ec/3	100	0.21		0	0
3	Roundabout Circulating	TrafficStream	Ec/1	100	0.21		0	0
3		TrafficStream	Ec/2	100	0.21		0	0
3		TrafficStream	Ec/3	100	0.21		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

Local OD Matrix - Local Matrix: 2031 AM S3

Normal Input Flows (PCU/hr)

		To						
		1	2	3	4	5	6	7
From	1	0	27	0	166	33	426	424
	2	69	0	0	225	54	622	12
	3	0	0	0	0	0	0	0
	4	266	107	0	0	33	285	675
	5	60	19	0	40	0	55	159
	6	773	168	0	455	111	0	743
	7	243	29	0	318	78	762	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 AM S3	1	(untitled)	Fx/2,Fx/1	Ax2/1,Ax2/2
2031 AM S3	2	(untitled)	B/1,B/2	3/1
2031 AM S3	3	(untitled)	C3-1/1	Cx3/1
2031 AM S3	4	(untitled)	C4/1,C4/2	Cx4-2/1,Cx4-2/2
2031 AM S3	5	(untitled)	C5/1	Cx5/1
2031 AM S3	6	(untitled)	D/1,D/2,D/3	Dx1/2,Dx1/1
2031 AM S3	7	(untitled)	E/1,E/2,E/3	Ex/1,Ex/2

Paths

OD Matrix	Path	Description	From Location	To Location	Path Items
2031 AM S3	1		6	1	D/1,Ec/1,Ax/1,Ax2/1
2031 AM S3	2		6	7	D/1,Ex/1
2031 AM S3	3		6	1	D/2,Ec/2,Ax/2,Ax2/2
2031 AM S3	4		6	2	D/2,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	5		6	3	D/2,Ec/2,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx3/1
2031 AM S3	6		6	4	D/2,Ec/2,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx4-2/1
2031 AM S3	7		6	5	D/2,Ec/2,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx5/1
2031 AM S3	8		6	4	D/2,Ec/2,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx4-2/2
2031 AM S3	9		6	6	D/3,Ec/3,Ac/2,Bc/2,Bc3/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 AM S3	10		6	3	D/3,Ec/3,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx3/1
2031 AM S3	11		6	4	D/3,Ec/3,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx4-2/1
2031 AM S3	12		6	5	D/3,Ec/3,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx5/1
2031 AM S3	13		6	4	D/3,Ec/3,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx4-2/2
2031 AM S3	14		6	6	D/3,Ec/3,Ac/2,Bc/3,Bc3/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 AM S3	15		7	1	E/1,Ax/1,Ax2/1
2031 AM S3	16		7	1	E/1,Ax/2,Ax2/2
2031 AM S3	17		7	2	E/1,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	18		7	3	E/1,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx3/1
2031 AM S3	19		7	4	E/1,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx4-2/1
2031 AM S3	20		7	5	E/1,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx5/1
2031 AM S3	21		7	4	E/1,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx4-2/2
2031 AM S3	22		7	7	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cc/1,Dc/1,Ex/1
2031 AM S3	23		7	6	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 AM S3	24		7	3	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx3/1
2031 AM S3	25		7	4	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx4-2/1
2031 AM S3	26		7	5	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx5/1
2031 AM S3	27		7	4	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx4-2/2
2031 AM S3	28		7	6	E/2,Ac/2,Bc/3,Bc3/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 AM S3	29		7	7	E/3,Ac/3,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 AM S3	30		7	6	E/3,Ac/3,Bc/4,Bc3/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 AM S3	31		2	3	B/1,Bc1/1,Cx/1,Cx 2/1,Cx3/1
2031 AM S3	32		2	4	B/1,Bc1/1,Cx/1,Cx 2/1,Cx4-2/1
2031 AM S3	33		2	5	B/1,Bc1/1,Cx/1,Cx 2/2,Cx5/1
2031 AM S3	34		2	4	B/1,Bc1/1,Cx/1,Cx 2/2,Cx4-2/2
2031 AM S3	35		2	7	B/1,Bc1/2,Cc/1,Dc/1,Ex/1
2031 AM S3	36		2	6	B/1,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 AM S3	37		2	3	B/1,Bc1/2,Cx/2,Cx 2/1,Cx3/1
2031 AM S3	38		2	4	B/1,Bc1/2,Cx/2,Cx 2/1,Cx4-2/1
2031 AM S3	39		2	5	B/1,Bc1/2,Cx/2,Cx 2/2,Cx5/1

2031 AM S3	**40**		2	4	B/1,Bc1/2,Cx/2,Cx 2/2,Cx4-2/2
2031 AM S3	**41**		2	6	B/2,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 AM S3	**42**		2	1	B/2,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**43**		2	7	B/2,Bc1/4,Cc/3,Dc/2,Ex/2
2031 AM S3	**44**		2	1	B/2,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**45**		2	2	B/2,Bc1/4,Cc/3,Dc/3,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	**46**		2	6	B/2,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 AM S3	**47**		3	5	C3-1/1,Cx5/1
2031 AM S3	**48**		3	7	C3-1/1,C2/2,1/1,C/1,Dc/1,Ex/1
2031 AM S3	**49**		3	6	C3-1/1,C2/2,1/1,C/1,Dx/1,Dx1/1
2031 AM S3	**50**		3	1	C3-1/1,C2/2,1/1,C/2,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**51**		3	7	C3-1/1,C2/2,1/1,C/2,Dc/2,Ex/2
2031 AM S3	**52**		3	1	C3-1/1,C2/2,1/1,C/2,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**53**		3	2	C3-1/1,C2/2,1/1,C/2,Dc/3,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	**54**		4	5	C4/1,Cx5/1
2031 AM S3	**55**		4	7	C4/1,C2/1,1/1,C/1,Dc/1,Ex/1
2031 AM S3	**56**		4	6	C4/1,C2/1,1/1,C/1,Dx/1,Dx1/1
2031 AM S3	**57**		4	1	C4/1,C2/1,1/1,C/2,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**58**		4	7	C4/1,C2/1,1/1,C/2,Dc/2,Ex/2
2031 AM S3	**59**		4	1	C4/1,C2/1,1/1,C/2,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**60**		4	2	C4/1,C2/1,1/1,C/2,Dc/3,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	**61**		4	3	C4/2,Cx3/1
2031 AM S3	**62**		4	7	C4/2,C2/2,1/1,C/1,Dc/1,Ex/1
2031 AM S3	**63**		4	6	C4/2,C2/2,1/1,C/1,Dx/1,Dx1/1
2031 AM S3	**64**		4	1	C4/2,C2/2,1/1,C/2,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**65**		4	7	C4/2,C2/2,1/1,C/2,Dc/2,Ex/2
2031 AM S3	**66**		4	1	C4/2,C2/2,1/1,C/2,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**67**		4	2	C4/2,C2/2,1/1,C/2,Dc/3,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	**68**		5	3	C5/1,Cx3/1
2031 AM S3	**69**		5	7	C5/1,C2/1,1/1,C/1,Dc/1,Ex/1
2031 AM S3	**70**		5	6	C5/1,C2/1,1/1,C/1,Dx/1,Dx1/1
2031 AM S3	**71**		5	1	C5/1,C2/1,1/1,C/2,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**72**		5	7	C5/1,C2/1,1/1,C/2,Dc/2,Ex/2
2031 AM S3	**73**		5	1	C5/1,C2/1,1/1,C/2,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**74**		5	2	C5/1,C2/1,1/1,C/2,Dc/3,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	**75**		5	4	C5/1,Cx4-2/2
2031 AM S3	**76**		1	2	Fx/2,Fx1/1,4/2,A/2,Bc/1,Bx/1,3/1
2031 AM S3	**77**		1	3	Fx/2,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx3/1
2031 AM S3	**78**		1	4	Fx/2,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx4-2/1
2031 AM S3	**79**		1	5	Fx/2,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx5/1
2031 AM S3	**80**		1	4	Fx/2,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx4-2/2
2031 AM S3	**81**		1	7	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cc/1,Dc/1,Ex/1
2031 AM S3	**82**		1	6	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 AM S3	**83**		1	3	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx3/1
2031 AM S3	**84**		1	4	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx4-2/1
2031 AM S3	**85**		1	5	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx5/1
2031 AM S3	**86**		1	4	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx4-2/2
2031 AM S3	**87**		1	6	Fx/2,Fx1/2,4/4,A/4,Bc/3,Bc3/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 AM S3	**88**		1	1	Fx/2,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**89**		1	7	Fx/2,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 AM S3	**90**		1	1	Fx/2,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**91**		1	6	Fx/2,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dx/3,Dx1/2

2031 AM S3	**92**		1	2	Fx/1,Fx1/1,4/2,A/2,Bc/1,Bx/1,3/1
2031 AM S3	**93**		1	3	Fx/1,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx3/1
2031 AM S3	**94**		1	4	Fx/1,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx4-2/1
2031 AM S3	**95**		1	5	Fx/1,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx5/1
2031 AM S3	**96**		1	4	Fx/1,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx4-2/2
2031 AM S3	**97**		1	7	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cc/1,Dc/1,Ex/1
2031 AM S3	**98**		1	6	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 AM S3	**99**		1	3	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx3/1
2031 AM S3	**100**		1	4	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx4-2/1
2031 AM S3	**101**		1	5	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx5/1
2031 AM S3	**102**		1	4	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx4-2/2
2031 AM S3	**103**		1	6	Fx/1,Fx1/2,4/4,A/4,Bc/3,Bc3/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 AM S3	**104**		1	1	Fx/1,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**105**		1	7	Fx/1,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 AM S3	**106**		1	1	Fx/1,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**107**		1	6	Fx/1,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dx/3,Dx1/2

Normal Path Flows

OD Matrix	Path	Permitted Flow Type	Allocation Type	Fixed Flow (PCU/hr)
2031 AM S3	**1**	✓	Normal	
2031 AM S3	**2**	✓	Normal	
2031 AM S3	**3**	✓	Normal	
2031 AM S3	**4**	✓	Normal	
2031 AM S3	**5**	✓	Normal	
2031 AM S3	**6**	✓	Normal	
2031 AM S3	**7**	✓	Normal	
2031 AM S3	**8**	✓	Normal	
2031 AM S3	**9**	✓	Normal	
2031 AM S3	**10**	✓	Normal	
2031 AM S3	**11**	✓	Normal	
2031 AM S3	**12**	✓	Normal	
2031 AM S3	**13**	✓	Normal	
2031 AM S3	**14**	✓	Normal	
2031 AM S3	**15**	✓	Normal	
2031 AM S3	**16**	✓	Normal	
2031 AM S3	**17**	✓	Normal	
2031 AM S3	**18**	✓	Normal	
2031 AM S3	**19**	✓	Normal	
2031 AM S3	**20**	✓	Normal	
2031 AM S3	**21**	✓	Fixed	0
2031 AM S3	**22**	✓	Normal	
2031 AM S3	**23**	✓	Disabled	
2031 AM S3	**24**	✓	Normal	
2031 AM S3	**25**	✓	Normal	
2031 AM S3	**26**	✓	Normal	
2031 AM S3	**27**	✓	Normal	
2031 AM S3	**28**	✓	Normal	
2031 AM S3	**29**	✓	Normal	
2031 AM S3	**30**	✓	Normal	
2031 AM S3	**31**	✓	Normal	

2031 AM S3	**32**	✓	Normal	
2031 AM S3	**33**	✓	Normal	
2031 AM S3	**34**	✓	Normal	
2031 AM S3	**35**	✓	Normal	
2031 AM S3	**36**	✓	Normal	
2031 AM S3	**37**	✓	Normal	
2031 AM S3	**38**	✓	Normal	
2031 AM S3	**39**	✓	Normal	
2031 AM S3	**40**	✓	Normal	
2031 AM S3	**41**	✓	Normal	
2031 AM S3	**42**	✓	Normal	
2031 AM S3	**43**	✓	Normal	
2031 AM S3	**44**	✓	Normal	
2031 AM S3	**45**	✓	Normal	
2031 AM S3	**46**	✓	Normal	
2031 AM S3	**47**	✓	Normal	
2031 AM S3	**48**	✓	Normal	
2031 AM S3	**49**	✓	Normal	
2031 AM S3	**50**	✓	Normal	
2031 AM S3	**51**	✓	Normal	
2031 AM S3	**52**	✓	Normal	
2031 AM S3	**53**	✓	Normal	
2031 AM S3	**54**	✓	Normal	
2031 AM S3	**55**	✓	Normal	
2031 AM S3	**56**	✓	Normal	
2031 AM S3	**57**	✓	Normal	
2031 AM S3	**58**	✓	Fixed	0
2031 AM S3	**59**	✓	Normal	
2031 AM S3	**60**	✓	Normal	
2031 AM S3	**61**	✓	Normal	
2031 AM S3	**62**	✓	Normal	
2031 AM S3	**63**	✓	Normal	
2031 AM S3	**64**	✓	Normal	
2031 AM S3	**65**	✓	Normal	
2031 AM S3	**66**	✓	Normal	
2031 AM S3	**67**	✓	Normal	
2031 AM S3	**68**	✓	Normal	
2031 AM S3	**69**	✓	Normal	
2031 AM S3	**70**	✓	Normal	
2031 AM S3	**71**	✓	Normal	
2031 AM S3	**72**	✓	Normal	
2031 AM S3	**73**	✓	Normal	
2031 AM S3	**74**	✓	Normal	
2031 AM S3	**75**	✓	Normal	
2031 AM S3	**76**	✓	Normal	
2031 AM S3	**77**	✓	Normal	
2031 AM S3	**78**	✓	Normal	
2031 AM S3	**79**	✓	Normal	
2031 AM S3	**80**	✓	Normal	

2031 AM S3	**81**	✓	Normal	
2031 AM S3	**82**	✓	Normal	
2031 AM S3	**83**	✓	Normal	
2031 AM S3	**84**	✓	Normal	
2031 AM S3	**85**	✓	Normal	
2031 AM S3	**86**	✓	Normal	
2031 AM S3	**87**	✓	Normal	
2031 AM S3	**88**	✓	Normal	
2031 AM S3	**89**	✓	Normal	
2031 AM S3	**90**	✓	Normal	
2031 AM S3	**91**	✓	Normal	
2031 AM S3	**92**	✓	Normal	
2031 AM S3	**93**	✓	Normal	
2031 AM S3	**94**	✓	Normal	
2031 AM S3	**95**	✓	Normal	
2031 AM S3	**96**	✓	Normal	
2031 AM S3	**97**	✓	Normal	
2031 AM S3	**98**	✓	Normal	
2031 AM S3	**99**	✓	Normal	
2031 AM S3	**100**	✓	Normal	
2031 AM S3	**101**	✓	Normal	
2031 AM S3	**102**	✓	Normal	
2031 AM S3	**103**	✓	Normal	
2031 AM S3	**104**	✓	Normal	
2031 AM S3	**105**	✓	Normal	
2031 AM S3	**106**	✓	Normal	
2031 AM S3	**107**	✓	Normal	

Signal Timings

Network Default: 88s cycle time; 88 steps

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	20,58

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)
2	1	✓	1	A	68	20	40	1	7
2	2	✓	2	B,C	25	58	33	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	✓	68	20	40
2	B	1	✓	25	63	38
2	C	1	✓	25	58	33

Intergreen Matrix for Controller Stream 2

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

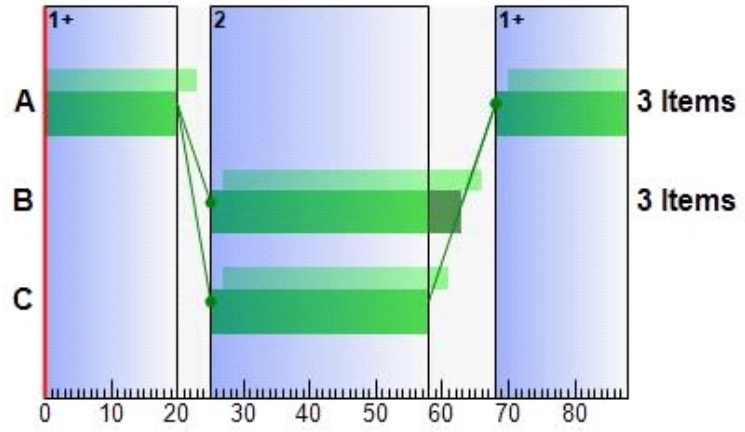
Interstage Matrix for Controller Stream 2

		To	
		1	2
From	1	0	5
	2	10	0

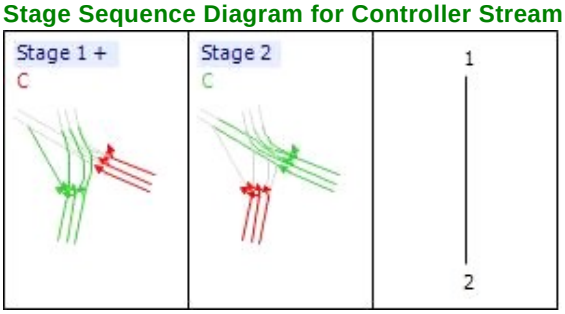
Banned Stage transitions for Controller Stream 2

		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	40,5

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	19	40	21	1	7
3	2	✓	2	B,C	45	5	48	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	✓	19	40	21
3	B	1	✓	45	14	57
3	C	1	✓	45	5	48

Intergreen Matrix for Controller Stream 3

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

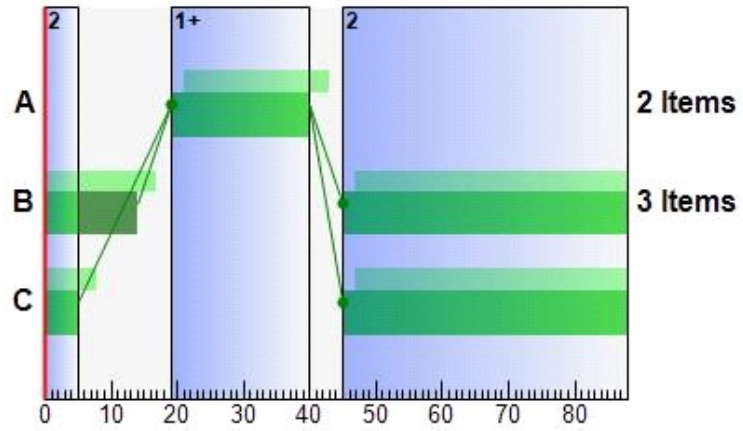
Interstage Matrix for Controller Stream 3

		To	
		1	2
From	1	0	5
	2	14	0

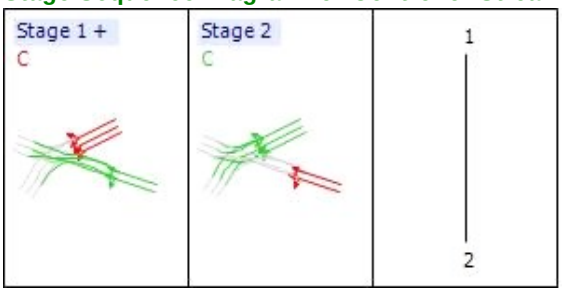
Banned Stage transitions for Controller Stream 3

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 3



Stage Sequence Diagram for Controller Stream 3



Controller Stream 4

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

Controller Stream 4 - Properties

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

Controller Stream 4 - Optimisation

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

Phases

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

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
4	**1**	A,B,D	1
4	**2**	C	1
4	**3**	E	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
4	1	(untitled)	Single	1,3,2	61,71,12
4	2	(untitled)	Single	1,2,3	0,29,53

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)
4	1	✓	1	A,B,D	18	61	43	1	7
4	2	✓	3	E	66	71	5	1	5
4	3	✓	2	C	83	12	17	1	7

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
4	A	1	✓	18	61	43
4	B	1	✓	18	61	43
4	C	1	✓	83	12	17
4	D	1	✓	17	61	44
4	E	1	✓	66	71	5

Intergreen Matrix for Controller Stream 4

		To				
		A	B	C	D	E
From	A			8		5
	B			7		5
	C	6	6		5	5
	D			8		5
	E	12	12	12	12	

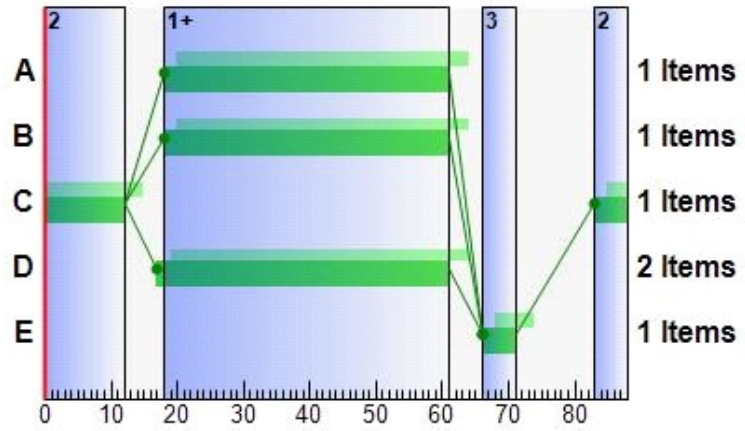
Interstage Matrix for Controller Stream 4

		To		
		1	2	3
From	1	0	8	5
	2	6	0	5
	3	12	12	0

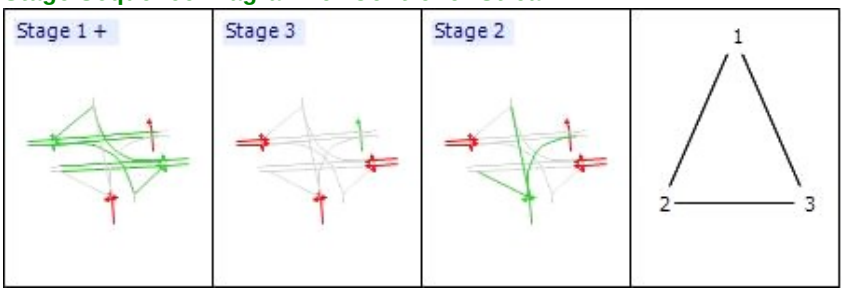
Banned Stage transitions for Controller Stream 4

		To		
		1	2	3
From	1			
	2			
	3			

Phase Timings Diagram for Controller Stream 4



Stage Sequence Diagram for Controller Stream 4



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	46,56

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	67	46	67	1	7
5	**2**	✓	2	B	51	56	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**	✓	67	46	67
5	**B**	**1**	✓	51	56	5

Intergreen Matrix for Controller Stream 5

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

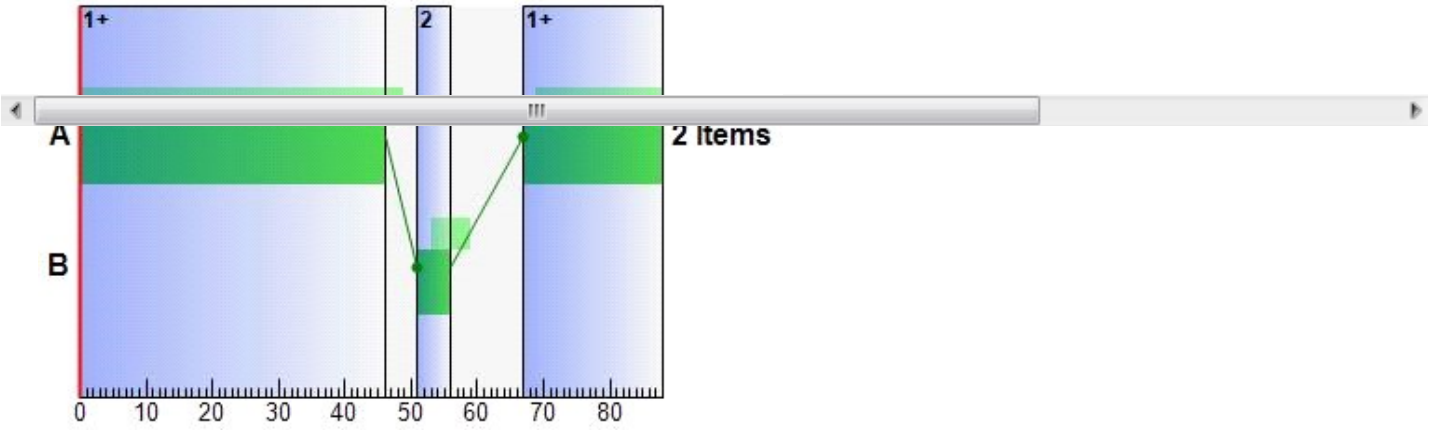
Interstage Matrix for Controller Stream 5

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

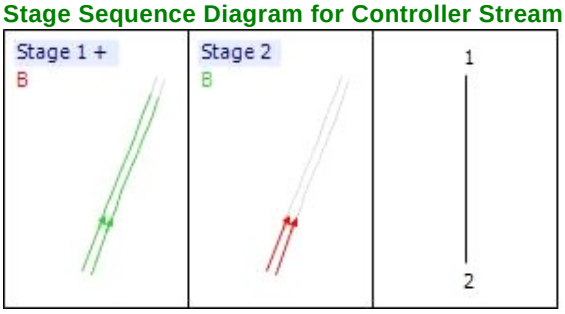
Banned Stage transitions for Controller Stream 5

		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	49,59

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	67	49	70	1	7
6	**2**	✓	2	B	54	59	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**	✓	67	49	70
6	**B**	**1**	✓	54	59	5

Intergreen Matrix for Controller Stream 6

		To	
		A	B
From	A		5
	B	8	

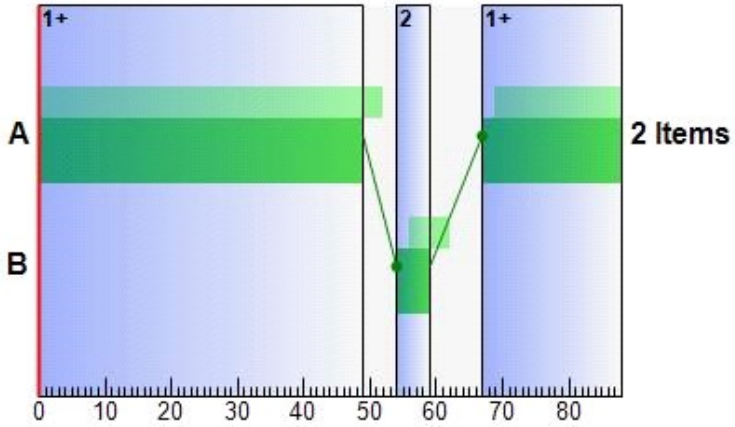
Interstage Matrix for Controller Stream 6

		To	
		1	2
From	1	0	5
	2	8	0

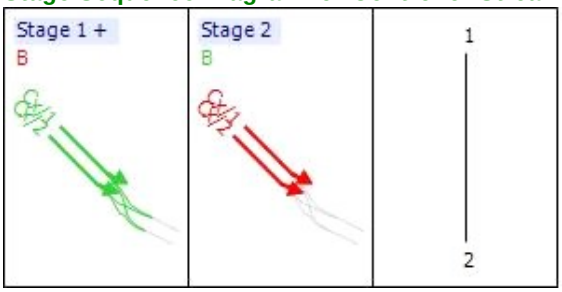
Banned Stage transitions for Controller Stream 6

		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	85,7

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	17	85	68	1	7
7	2	✓	2	B	2	7	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	✓	17	85	68
7	B	1	✓	2	7	5

Intergreen Matrix for Controller Stream 7

		To	
		A	B
From	A		5
	B	10	

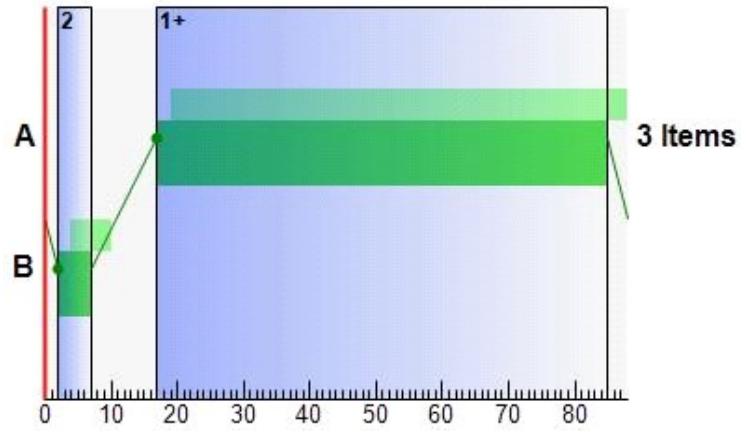
Interstage Matrix for Controller Stream 7

		To	
		1	2
From	1	0	5
	2	10	0

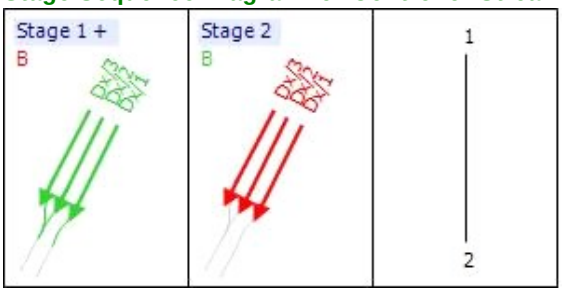
Banned Stage transitions for Controller Stream 7

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 7



Stage Sequence Diagram for Controller Stream 7



Controller Stream 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
9	**C**	(untitled)	5	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,C	1

Losing/ Gaining delays at each Controller Stream

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
9	1	(untitled)	Single	1,2	45,16

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)
9	1	✓	1	A	23	45	22	1	7
9	2	✓	2	B,C	50	16	54	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
9	A	1	✓	23	45	22
9	B	1	✓	50	18	56
9	C	1	✓	50	16	54

Intergreen Matrix for Controller Stream 9

		To		
		A	B	C
From	A		5	5
	B	5		
	C	7		

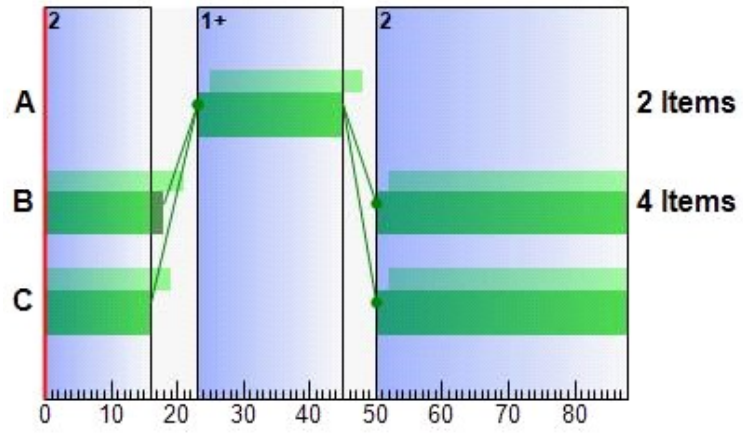
Interstage Matrix for Controller Stream 9

		To	
		1	2
From	1	0	5
	2	7	0

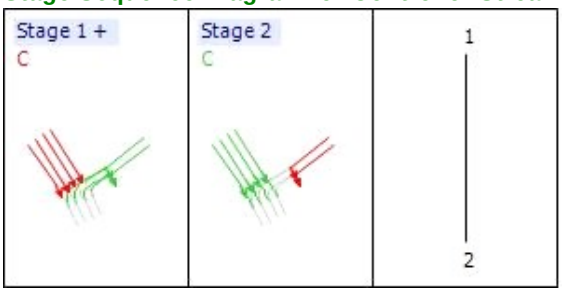
Banned Stage transitions for Controller Stream 9

		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)	5	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	73,83

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	0	73	73	1	7
10	**2**	✓	2	B	78	83	5	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
10	**A**	**1**	✓	0	73	73
10	**B**	**1**	✓	78	83	5

Intergreen Matrix for Controller Stream 10

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

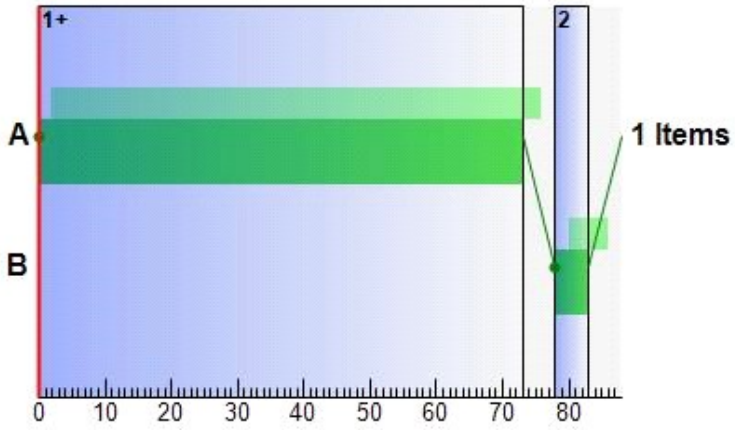
Interstage Matrix for Controller Stream 10

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

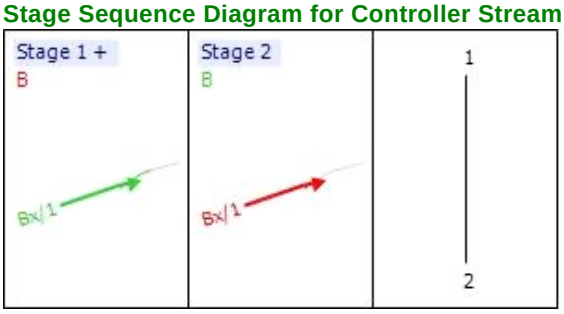
Banned Stage transitions for Controller Stream 10

		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)	5	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	73,36

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	50	73	23	1	7
11	**2**	✓	2	B	78	36	46	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
11	**A**	**1**	✓	50	73	23
11	**B**	**1**	✓	78	36	46

Intergreen Matrix for Controller Stream 11

		To	
		A	B
From	A		5
	B	14	

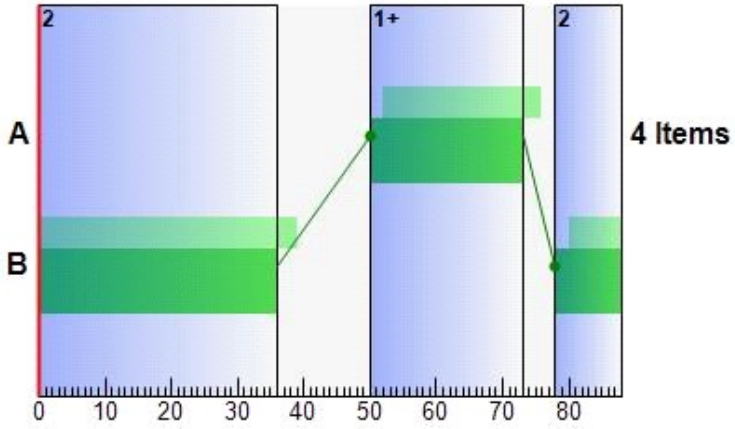
Interstage Matrix for Controller Stream 11

		To	
		1	2
From	1	0	5
	2	14	0

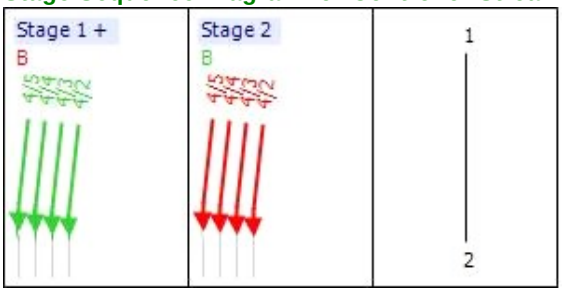
Banned Stage transitions for Controller Stream 11

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 11



Stage Sequence Diagram for Controller Stream 11



Final Prediction Table

Link Results

			SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES		W
Link	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 Queue (PCU)	Delay Weightin (%)
1 P	(untitled)	23	4	E	0 <	0	0	0.00	0	0	48.36	47.36	0.00	12.38 +	12.38	100

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUE
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)
1	1	(untitled)	25			1628	1800	88	88.00	90!	0	40.24	16.96	79.67	37.18
3	1	(untitled)				351	2128	88	7.00	16	446	21.05	0.17	0.00	0.02
4	2	(untitled)	28	11	A	230	2279	23	4.00	37	143	32.06	27.59	79.79	4.64
4	3	A38 North Entry	28	11	A	284	2279	23	13.00	46	97	36.22	29.02	83.69	5.95
4	4	(untitled)	28	11	A	284	2279	23	13.00	46	97	33.49	29.02	82.60	5.95
4	5	(untitled)	28	11	A	282	2279	23	13.00	45	98	36.16	28.96	83.33	5.91
A	2	(untitled)	1			230 <	862	88	63.00	27	237	9.02	5.42	78.16	5.48 +
A	3	A38 North Entry	1			284 <	663	88	14.00	43	110	15.78	12.18	92.41	7.10 +
A	4	(untitled)	1			284 <	663	88	0.00	43	110	15.78	12.18	92.41	7.10 +
A	5	(untitled)	1			282 <	573	88	43.00	49	83	20.84	17.24	96.44	7.13 +
B	1	(untitled)	10	9	A	473	1940	22	0.00	93!	-4	89.47	68.59	131.55	16.01
B	2	(untitled)	10	9	A	510	2080	22	0.00	94!	-4	89.46	68.58	131.74	17.39
C	1	(untitled)	3	3	A	882 <	3257 f	21	2.00	108!	-17	200.55	185.64	227.54	58.57 +
C	2	(untitled)	3	3	A	746	3408 f	21	0.00	88	3	57.79	42.87	103.21	19.57
D	1	(untitled)	4	2	A	812	2159	40	1.00	81	11	44.21	27.43	87.86	18.57
D	2	(untitled)	4	2	A	872	2317	40	24.00	81	11	43.75	26.97	87.39	19.82
D	3	(untitled)	4	2	A	567	2317	40	6.00	53	71	35.24	18.46	67.96	10.05
E	1	(untitled)	5			478	506	88	3.00	95!	-5	67.29	52.38	126.65	16.31
E	2	(untitled)	5			477	506	88	0.00	94!	-5	66.39	51.48	125.68	16.16
E	3	(untitled)	5			477	506	88	0.00	94!	-5	66.39	51.48	125.68	16.16
Ac	1	(untitled)	1			528	2112	88	0.00	25	260	4.31	0.28	0.00	0.04
Ac	2	(untitled)	1			1044	2263	88	14.00	46	95	4.71	0.68	0.00	0.20
Ac	3	(untitled)	1			477	2263	88	0.00	21	327	4.24	0.21	0.00	0.03
Ax	1	(untitled)	8	5	A	389 <	1965	67	0.00	26	251	6.73	5.61	35.23	3.58 +
Ax	2	(untitled)	8	5	A	1024	2105	67	0.00	63	43	3.93	2.81	9.69	2.71
Ax2	1	A38 North Exit	17			389	1800	88	12.00	22	316	9.88	0.28	0.00	0.03

Ax2	**2**	A38 North Exit	17			1024	1800	88	12.00	57	58	10.92	1.32	0.00	0.37
Bc	**1**	(untitled)	6			758	1915	88	0.00	40	127	4.29	0.62	0.00	0.13
Bc	**2**	(untitled)	6			1043 <	2055	88	29.00	51	77	5.21	1.60	25.10	14.01 +
Bc	**3**	(untitled)	6			569	2055	88	0.00	28	225	4.38	0.34	0.00	0.05
Bc	**4**	(untitled)	6			759	2055	88	21.00	37	144	4.31	0.51	0.00	0.11
Bc1	**1**	(untitled)	2			546	1915	88	2.00	29	216	7.73	0.37	0.00	0.06
Bc1	**2**	(untitled)	2			1377	2055	88	0.00	67	34	9.12	1.77	0.00	0.68
Bc1	**3**	(untitled)	2			789	2055	88	5.00	38	134	7.90	0.55	0.00	0.12
Bc1	**4**	(untitled)	2			1049	2055	88	21.00	51	76	8.26	0.91	0.00	0.27
Bc3	**1**	(untitled)	10	9	B	407	1915	56	3.00	33	174	5.37	3.85	20.26	2.21
Bc3	**2**	(untitled)	10	9	B	1043 <	2055	56	0.00	78	15	10.11	8.60	22.59	5.98 +
Bc3	**3**	(untitled)	10	9	B	569	2055	56	0.00	43	111	5.80	4.28	21.64	3.23
Bc3	**4**	(untitled)	10	9	B	759 <	2055	56	0.00	57	58	8.14	6.62	33.97	7.36 +
Bx	**1**	(untitled)	27	10	A	351	2128	73	0.00	20	359	2.18	1.18	13.54	1.35
C2	**1**	(untitled)	9			915	1800	88	5.00	51	77	24.31	1.03	0.00	0.26
C2	**2**	(untitled)	9			713	1800	88	26.00	40	127	24.03	0.75	5.13	6.66
C3-1	**1**	(untitled)	23			0	0	88	88.00	0	-100	0.00	0.00	0.00	0.00
C4	**1**	(untitled)	23	4	D	654	1887	44	0.00	68	33	26.43	19.97	74.78	12.51
C4	**2**	(untitled)	23	4	D	713	2055	44	0.00	68	33	26.13	19.67	74.46	13.58
C5	**1**	(untitled)	23	4	C	334 <	1906	17	0.00	86	5	62.67	58.56	119.16	10.09 +
Cc	**1**	(untitled)	3	3	B	479	2059	57	18.00	35	155	10.55	5.71	39.50	5.40
Cc	**2**	(untitled)	3	3	B	789 <	2209	57	0.00	54	66	10.26	5.41	31.36	6.83 +
Cc	**3**	(untitled)	3	3	B	1049 <	2181	57	0.00	73	23	13.62	8.77	41.73	11.42 +
Cx	**1**	A4097 Kinsbury Road Exit	24	6	A	546	2120	70	0.00	32	182	8.41	2.82	25.47	4.36
Cx	**2**	A4097 Kinsbury Road Exit	24	6	A	898	2120	70	0.00	53	71	8.76	3.17	24.39	6.56
Cx 2	**1**	(untitled)	23	4	A	647	1915	43	0.00	68	33	46.18	15.31	71.46	12.09
Cx 2	**2**	(untitled)	23	4	B	797	2055	43	0.00	78	16	49.69	18.82	76.44	16.18
Cx3	**1**	(untitled)				0	1800	88	88.00	0	Unrestricted	0.00	0.00	0.00	0.00
Cx4-2	**1**	(untitled)				647	1800	88	40.00	36	150	6.59	0.82	12.49	9.73
Cx4-2	**2**	(untitled)				560	1800	88	22.00	31	189	6.22	0.45	0.00	0.07
Cx5	**1**	(untitled)				310	1800	88	42.00	17	423	4.88	0.21	0.00	0.02
Dc	**1**	(untitled)	4	2	B	760 <	2059	38	1.00	83	8	28.37	21.66	103.55	20.35 +
Dc	**2**	(untitled)	4	2	B	668	2172	38	0.00	69	30	19.79	13.08	83.35	15.18
Dc	**3**	(untitled)	4	2	B	324	2185	38	0.00	33	169	9.74	3.03	7.37	0.86
Dx	**1**	(untitled)	7	7	A	533	1915	68	16.00	35	154	4.15	1.02	3.74	0.63
Dx	**2**	(untitled)	7	7	A	789	2055	68	21.00	49	84	8.28	5.14	31.79	5.57
Dx	**3**	(untitled)	7	7	A	803	2055	68	24.00	50	81	6.86	3.73	19.25	3.93
Dx1	**1**	A38 South Exit				533	2155	88	18.00	25	264	14.26	0.27	0.00	0.04

Dx1	2	A38 South Exit				1592	2155	88	9.00	74	22	20.41	6.43	62.96	29.09
Ec	1	(untitled)	5			267	1800	88	12.00	15	507	3.90	0.17	0.00	0.01
Ec	2	(untitled)	5			1196 <	1800	88	8.00	66	35	8.30	4.57	49.86	21.05 +
Ec	3	(untitled)	5			567 <	1800	88	44.00	32	186	5.41	1.69	35.63	9.82 +
Ex	1	(untitled)				1503 <	1800	88	1.00	84	8	13.58	6.13	47.12	18.66 +
Ex	2	(untitled)				470	1800	88	49.00	26	245	7.81	0.35	0.00	0.05
Fx	1	(untitled)	20			540	2112	88	0.00	26	252	21.92	0.29	0.00	0.04
Fx	2	(untitled)	20			540	2263	88	0.00	24	277	21.87	0.25	0.00	0.04
Fx1	1	(untitled)	22			514	1800	88	0.00	29	215	7.86	0.40	0.00	0.06
Fx1	2	(untitled)	22			566	1800	88	0.00	31	186	7.91	0.46	0.00	0.07

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	6227.00	308.15	20.21	86.16	98.22	2198.19	688.89	2360.48	5247.56
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)	6259.40	312.85	20.01	89.18	98.82	2218.74	691.34	2360.48	5270.56

- *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***

Link Results

Link Results: Flows And Signals

Time Segment	Link	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	1	500	500	0		10000	682	73		23	0.00	5	6

Link Results: Stops And Delays

Time Segment	Link	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	1	1.00	47.36	5.59	0.99	93.41	93.41	0.00	0.00	0.00	0.00	0.00

Link Results: Queues And Blocking

Time Segment	Link	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	1	0.00	12.38	10.00	123.78	0.25	0.00	0.00	0.99	12.38	0.00	0.00	0.00	

Link Results: Advanced

Time Segment	Link	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)	Performance Index (£ per hr)
17:00-18:00	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	12.39	1.00	12.39	0.00	93.41	93.41

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	1	1	90!	0	1628	1800	88	16.96	37.18	68.48	108.94	42.12	151.06
17:00-18:00	3	1	16	446	351	2128	88	0.17	0.02	0.03	0.23	0.00	0.23
17:00-18:00	4	2	37	143	230	2279	23	27.59	4.64	44.51	10.01	1.19	11.20
17:00-18:00	4	3	46	97	284	2279	23	29.02	5.95	57.02	13.00	0.60	13.60
17:00-18:00	4	4	46	97	284	2279	23	29.02	5.95	57.02	13.00	1.52	14.53
17:00-18:00	4	5	45	98	282	2279	23	28.96	5.91	56.60	12.88	0.59	13.47
17:00-18:00	A	2	27	237	230	862	88	5.42	5.48	105.01	1.97	0.45	2.42
17:00-18:00	A	3	43	110	284	663	88	12.18	7.10	136.12	5.46	0.66	6.11
17:00-18:00	A	4	43	110	284	663	88	12.18	7.10	136.12	5.46	0.66	6.11
17:00-18:00	A	5	49	83	282	573	88	17.24	7.13	136.68	7.67	0.68	8.35
17:00-18:00	B	1	93!	-4	473	1940	22	68.59	16.01	32.88	51.19	0.00	51.19
17:00-18:00	B	2	94!	-4	510	2080	22	68.58	17.39	35.72	55.19	0.00	55.19
17:00-18:00	C	1	108!	-17	882	3257	21	185.64	58.57	168.38	258.34	0.00	258.34
17:00-18:00	C	2	88	3	746	3408	21	42.87	19.57	56.26	50.46	0.00	50.46
17:00-18:00	D	1	81	11	812	2159	40	27.43	18.57	35.58	35.14	0.00	35.14
17:00-18:00	D	2	81	11	872	2317	40	26.97	19.82	38.00	37.11	0.00	37.11

17:00-18:00	D	3	53	71	567	2317	40	18.46	10.05	19.27	16.51	0.00	16.51
17:00-18:00	E	1	95!	-5	478	506	88	52.38	16.31	46.89	39.50	19.66	59.16
17:00-18:00	E	2	94!	-5	477	506	88	51.48	16.16	46.47	38.74	19.47	58.21
17:00-18:00	E	3	94!	-5	477	506	88	51.48	16.16	46.47	38.74	19.47	58.21
17:00-18:00	Ac	1	25	260	528	2112	88	0.28	0.04	0.60	0.59	0.00	0.59
17:00-18:00	Ac	2	46	95	1044	2263	88	0.68	0.20	2.82	2.80	0.00	2.80
17:00-18:00	Ac	3	21	327	477	2263	88	0.21	0.03	0.40	0.40	0.00	0.40
17:00-18:00	Ax	1	26	251	389	1965	67	5.61	3.58	102.85	8.60	7.91	16.52
17:00-18:00	Ax	2	63	43	1024	2105	67	2.81	2.71	77.84	11.35	5.73	17.07
17:00-18:00	Ax2	1	22	316	389	1800	88	0.28	0.03	0.21	0.42	0.00	0.42
17:00-18:00	Ax2	2	57	58	1024	1800	88	1.32	0.37	2.69	5.32	0.00	5.32
17:00-18:00	Bc	1	40	127	758	1915	88	0.62	0.13	1.79	1.84	0.00	1.84
17:00-18:00	Bc	2	51	77	1043	2055	88	1.60	14.01	193.93	6.58	7.42	14.00
17:00-18:00	Bc	3	28	225	569	2055	88	0.34	0.05	0.73	0.75	0.00	0.75
17:00-18:00	Bc	4	37	144	759	2055	88	0.51	0.11	1.50	1.53	0.00	1.53
17:00-18:00	Bc1	1	29	216	546	1915	88	0.37	0.06	0.33	0.81	0.00	0.81
17:00-18:00	Bc1	2	67	34	1377	2055	88	1.77	0.68	3.95	9.62	0.00	9.62
17:00-18:00	Bc1	3	38	134	789	2055	88	0.55	0.12	0.70	1.70	0.00	1.70
17:00-18:00	Bc1	4	51	76	1049	2055	88	0.91	0.27	1.55	3.77	0.00	3.77
17:00-18:00	Bc3	1	33	174	407	1915	56	3.85	2.21	62.64	6.19	2.68	9.17
17:00-18:00	Bc3	2	78	15	1043	2055	56	8.60	5.98	169.40	35.36	7.65	1108.87
17:00-18:00	Bc3	3	43	111	569	2055	56	4.28	3.23	91.54	9.62	4.00	118.52
17:00-18:00	Bc3	4	57	58	759	2055	56	6.62	7.36	208.39	19.83	8.37	876.78
17:00-18:00	Bx	1	20	359	351	2128	73	1.18	1.35	77.78	1.63	0.86	2.49
17:00-18:00	C2	1	51	77	915	1800	88	1.03	0.26	0.48	3.73	0.00	3.73
17:00-18:00	C2	2	40	127	713	1800	88	0.75	6.66	12.27	2.11	1.19	3.30
17:00-18:00	C3-1	1	0	-100	0	0	88	0.00	0.00	0.00	0.00	0.00	0.00
17:00-18:00	C4	1	68	33	654	1887	44	19.97	12.51	83.08	51.51	15.88	67.39
17:00-18:00	C4	2	68	33	713	2055	44	19.67	13.58	90.17	55.33	17.24	72.57
17:00-18:00	C5	1	86	5	334	1906	17	58.56	10.09	105.54	77.16	12.92	90.08

17:00-18:00	Cc	1	35	155	479	2059	57	5.71	5.40	90.07	10.78	6.14	16.93
17:00-18:00	Cc	2	54	66	789	2209	57	5.41	6.83	113.81	16.84	8.04	26.17
17:00-18:00	Cc	3	73	23	1049	2181	57	8.77	11.42	190.27	36.29	14.22	94.62
17:00-18:00	Cx	1	32	182	546	2120	70	2.82	4.36	25.06	6.07	8.03	14.09
17:00-18:00	Cx	2	53	71	898	2120	70	3.17	6.56	37.70	11.22	12.65	23.87
17:00-18:00	Cx 2	1	68	33	647	1915	43	15.31	12.09	16.79	39.08	15.01	54.10
17:00-18:00	Cx 2	2	78	16	797	2055	43	18.82	16.18	22.48	59.17	19.78	78.96
17:00-18:00	Cx3	1	0	Unrestricted	0	1800	88	0.00	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Cx4-2	1	36	150	647	1800	88	0.82	9.73	72.25	2.09	2.62	4.72
17:00-18:00	Cx4-2	2	31	189	560	1800	88	0.45	0.07	0.52	1.00	0.00	1.00
17:00-18:00	Cx5	1	17	423	310	1800	88	0.21	0.02	0.16	0.25	0.00	0.25
17:00-18:00	Dc	1	83	8	760	2059	38	21.66	20.35	129.99	649.68	255.71	978.96
17:00-18:00	Dc	2	69	30	668	2172	38	13.08	15.18	96.99	34.45	18.08	57.44
17:00-18:00	Dc	3	33	169	324	2185	38	3.03	0.86	5.48	3.87	0.78	4.65
17:00-18:00	Dx	1	35	154	533	1915	68	1.02	0.63	6.48	2.15	1.15	3.30
17:00-18:00	Dx	2	49	84	789	2055	68	5.14	5.57	57.17	16.01	14.48	30.49
17:00-18:00	Dx	3	50	81	803	2055	68	3.73	3.93	40.32	11.82	8.92	20.74
17:00-18:00	Dx1	1	25	264	533	2155	88	0.27	0.04	0.09	0.58	0.00	0.58
17:00-18:00	Dx1	2	74	22	1592	2155	88	6.43	29.09	66.92	40.36	57.86	98.22
17:00-18:00	Ec	1	15	507	267	1800	88	0.17	0.01	0.15	0.18	0.00	0.18
17:00-18:00	Ec	2	66	35	1196	1800	88	4.57	21.05	242.10	21.57	19.37	240.73
17:00-18:00	Ec	3	32	186	567	1800	88	1.69	9.82	112.89	3.77	6.56	27.49
17:00-18:00	Ex	1	84	8	1503	1800	88	6.13	18.66	107.28	36.34	23.01	59.35
17:00-18:00	Ex	2	26	245	470	1800	88	0.35	0.05	0.27	0.65	0.00	0.65
17:00-18:00	Fx	1	26	252	540	2112	88	0.29	0.04	0.09	0.62	0.00	0.62
17:00-18:00	Fx	2	24	277	540	2263	88	0.25	0.04	0.07	0.53	0.00	0.53
17:00-18:00	Fx1	1	29	215	514	1800	88	0.40	0.06	0.33	0.81	0.00	0.81
17:00-18:00	Fx1	2	31	186	566	1800	88	0.46	0.07	0.41	1.02	0.00	1.02

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))	Eff Gr (c
17:00-18:00	1	1	1628	1628	-2		1800	1800	90!	✓	0	0.51	88	
17:00-18:00	3	1	351	351	-1		2128	2128	16		446	0.36	88	
17:00-18:00	4	2	230	230	-4	✓	2279	622	37		143	0.00	23	
17:00-18:00	4	3	284	284	-1		2279	622	46		97	0.00	23	
17:00-18:00	4	4	284	284	-1		2279	622	46		97	0.00	23	
17:00-18:00	4	5	282	282	1		2279	622	45		98	0.00	23	
17:00-18:00	A	2	230	230	-4	✓	862	862	27		237	1.43	88	
17:00-18:00	A	3	284	284	-1		663	663	43		110	1.43	88	
17:00-18:00	A	4	284	284	-1		663	663	43		110	1.43	88	
17:00-18:00	A	5	282	282	1		573	573	49		83	1.43	88	
17:00-18:00	B	1	473	473	1		1940	507	93!	✓	-4	0.00	22	
17:00-18:00	B	2	510	510	-2	✓	2080	544	94!	✓	-4	0.00	22	
17:00-18:00	C	1	882	814	-1		3257	814	108!	✓	-17	0.17	21	
17:00-18:00	C	2	746	746	-1		3408	852	88		3	0.09	21	
17:00-18:00	D	1	812	812	0		2159	1006	81		11	0.00	40	
17:00-18:00	D	2	872	872	0		2317	1080	81		11	0.00	40	
17:00-18:00	D	3	567	567	-1		2317	1080	53		71	0.00	40	
17:00-18:00	E	1	478	478	-1		506	506	95!	✓	-5	0.00	88	
17:00-18:00	E	2	477	477	0		506	506	94!	✓	-5	0.00	88	
17:00-18:00	E	3	477	477	0		506	506	94!	✓	-5	0.00	88	
17:00-18:00	Ac	1	528	528	0		2112	2112	25		260	0.24	88	
17:00-18:00	Ac	2	1044	1044	-1		2263	2263	46		95	0.39	88	
17:00-18:00	Ac	3	477	477	0		2263	2263	21		327	0.40	88	
17:00-18:00	Ax	1	389	389	-1	✓	1965	1518	26		251	0.56	67	
17:00-18:00	Ax	2	1024	1024	-1	✓	2105	1627	63		43	0.46	67	
17:00-18:00	Ax2	1	389	389	-1	✓	1800	1800	22		316	0.69	88	
17:00-18:00	Ax2	2	1024	1024	-1	✓	1800	1800	57		58	0.45	88	
17:00-18:00	Bc	1	758	758	-4	✓	1915	1915	40		127	0.35	88	

17:00-18:00	**Bc**	**2**	1043	1043	-2		2055	2055	51		77	0.58	88	
17:00-18:00	**Bc**	**3**	569	569	0		2055	2055	28		225	0.53	88	
17:00-18:00	**Bc**	**4**	759	759	1		2055	2055	37		144	0.35	88	
17:00-18:00	**Bc1**	**1**	546	546	-3	✓	1915	1915	29		216	0.59	88	
17:00-18:00	**Bc1**	**2**	1377	1377	-2		2055	2055	67		34	0.30	88	
17:00-18:00	**Bc1**	**3**	789	789	-1		2055	2055	38		134	0.38	88	
17:00-18:00	**Bc1**	**4**	1049	1049	0	✓	2055	2055	51		76	0.37	88	
17:00-18:00	**Bc3**	**1**	407	407	-3	✓	1915	1240	33		174	0.79	56	
17:00-18:00	**Bc3**	**2**	1043	1043	-2		2055	1331	78		15	0.57	56	
17:00-18:00	**Bc3**	**3**	569	569	0		2055	1331	43		111	0.53	56	
17:00-18:00	**Bc3**	**4**	759	759	1		2055	1331	57		58	0.35	56	
17:00-18:00	**Bx**	**1**	351	351	-1		2128	1789	20		359	0.28	73	
17:00-18:00	**C2**	**1**	915	915	-1		1800	1800	51		77	0.49	88	
17:00-18:00	**C2**	**2**	713	713	-1		1800	1800	40		127	0.84	88	
17:00-18:00	**C3-1**	**1**	0	0	0		0	0	0		-100	0.00	88	
17:00-18:00	**C4**	**1**	654	654	0		1887	965	68		33	0.00	44	
17:00-18:00	**C4**	**2**	713	713	-1		2055	1051	68		33	0.00	44	
17:00-18:00	**C5**	**1**	334	334	-1		1906	390	86		5	0.00	17	
17:00-18:00	**Cc**	**1**	479	479	-1		2059	1357	35		155	0.46	57	
17:00-18:00	**Cc**	**2**	789	789	-1		2209	1456	54		66	0.35	57	
17:00-18:00	**Cc**	**3**	1049	1049	0	✓	2181	1437	73		23	0.35	57	
17:00-18:00	**Cx**	**1**	546	546	-3	✓	2120	1710	32		182	0.56	70	
17:00-18:00	**Cx**	**2**	898	898	-1		2120	1710	53		71	0.53	70	
17:00-18:00	**Cx 2**	**1**	647	647	-2		1915	958	68		33	0.39	43	
17:00-18:00	**Cx 2**	**2**	797	797	-2	✓	2055	1028	78		16	0.33	43	
17:00-18:00	**Cx3**	**1**	0	0	0		1800	1800	0		Unrestricted	0.00	88	
17:00-18:00	**Cx4-2**	**1**	647	647	-2		1800	1800	36		150	0.98	88	
17:00-18:00	**Cx4-2**	**2**	560	560	-1		1800	1800	31		189	0.83	88	
17:00-18:00	**Cx5**	**1**	310	310	-1	✓	1800	1800	17		423	0.97	88	
17:00-18:00	**Dc**	**1**	760	760	40	✓	2059	913	83		8	0.77	38	

17:00-18:00	Dc	2	668	668	-1	✓	2172	963	69		30	0.85	38	
17:00-18:00	Dc	3	324	324	-1	✓	2185	968	33		169	1.23	38	
17:00-18:00	Dx	1	533	533	26	✓	1915	1502	35		154	1.04	68	
17:00-18:00	Dx	2	789	789	-1		2055	1611	49		84	0.72	68	
17:00-18:00	Dx	3	803	803	0		2055	1611	50		81	0.79	68	
17:00-18:00	Dx1	1	533	533	26	✓	2155	2155	25		264	0.86	88	
17:00-18:00	Dx1	2	1592	1592	-1		2155	2155	74		22	0.70	88	
17:00-18:00	Ec	1	267	267	0	✓	1800	1800	15		507	0.77	88	
17:00-18:00	Ec	2	1196	1196	-1	✓	1800	1800	66		35	0.63	88	
17:00-18:00	Ec	3	567	567	-1		1800	1800	32		186	1.04	88	
17:00-18:00	Ex	1	1503	1503	40	✓	1800	1800	84		8	0.39	88	
17:00-18:00	Ex	2	470	470	0		1800	1800	26		245	1.19	88	
17:00-18:00	Fx	1	540	540	-2	✓	2112	2112	26		252	0.00	88	
17:00-18:00	Fx	2	540	540	-2	✓	2263	2263	24		277	0.00	88	
17:00-18:00	Fx1	1	514	514	-5	✓	1800	1800	29		215	0.00	88	
17:00-18:00	Fx1	2	566	566	1		1800	1800	31		186	0.00	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	1	1	23.28	16.96	3.62	4.05	108.94	108.94	79.67	1135.63	161.44	42.12	42.12
17:00-18:00	3	1	20.88	0.17	0.00	0.02	0.23	0.23	0.00	0.00	0.00	0.00	0.00
17:00-18:00	4	2	4.47	27.59	1.65	0.11	25.03	10.01	79.79	179.10	4.41	5.96	1.19
17:00-18:00	4	3	7.20	29.02	2.10	0.19	32.51	13.00	83.69	229.90	7.78	2.98	0.60
17:00-18:00	4	4	4.47	29.02	2.10	0.19	32.51	13.00	82.60	226.81	7.78	7.62	1.52
17:00-18:00	4	5	7.20	28.96	2.08	0.19	32.21	12.88	83.33	227.36	7.63	2.95	0.59
17:00-18:00	A	2	3.60	5.42	0.30	0.05	4.92	1.97	78.16	177.79	1.98	2.25	0.45
17:00-18:00	A	3	3.60	12.18	0.80	0.16	13.64	5.46	92.41	255.96	6.50	3.29	0.66
17:00-18:00	A	4	3.60	12.18	0.80	0.16	13.64	5.46	92.41	255.96	6.50	3.29	0.66
17:00-18:00	A	5	3.60	17.24	1.11	0.24	19.18	7.67	96.44	262.33	9.64	3.41	0.68

17:00-18:00	**B**	**1**	20.88	68.59	4.17	4.84	127.97	51.19	131.55	443.57	178.68	20.21	0.00
17:00-18:00	**B**	**2**	20.88	68.58	4.51	5.21	137.97	55.19	131.74	479.54	192.35	21.82	0.00
17:00-18:00	**C**	**1**	14.91	185.64	6.56	38.92	645.85	258.34	227.54	804.34	1048.66	60.17	0.00
17:00-18:00	**C**	**2**	14.91	42.87	6.01	2.87	126.16	50.46	103.21	656.86	113.07	25.00	0.00
17:00-18:00	**D**	**1**	16.78	27.43	4.54	1.65	87.85	35.14	87.86	647.34	66.06	41.18	0.00
17:00-18:00	**D**	**2**	16.78	26.97	4.88	1.66	92.77	37.11	87.39	695.51	66.52	43.99	0.00
17:00-18:00	**D**	**3**	16.78	18.46	2.62	0.29	41.28	16.51	67.96	373.55	11.79	22.24	0.00
17:00-18:00	**E**	**1**	14.91	52.38	1.40	5.55	98.76	39.50	126.65	403.17	202.21	19.66	19.66
17:00-18:00	**E**	**2**	14.91	51.48	1.39	5.43	96.86	38.74	125.68	401.31	198.18	19.47	19.47
17:00-18:00	**E**	**3**	14.91	51.48	1.39	5.43	96.86	38.74	125.68	401.31	198.18	19.47	19.47
17:00-18:00	**Ac**	**1**	4.03	0.28	0.00	0.04	0.59	0.59	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Ac**	**2**	4.03	0.68	0.00	0.20	2.80	2.80	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Ac**	**3**	4.03	0.21	0.00	0.03	0.40	0.40	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Ax**	**1**	1.12	5.61	0.56	0.04	8.60	8.60	35.23	135.25	1.80	7.91	7.91
17:00-18:00	**Ax**	**2**	1.12	2.81	0.27	0.53	11.35	11.35	9.69	77.54	21.68	5.73	5.73
17:00-18:00	**Ax2**	**1**	9.60	0.28	0.00	0.03	0.42	0.42	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Ax2**	**2**	9.60	1.32	0.00	0.37	5.32	5.32	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Bc**	**1**	3.67	0.62	0.00	0.13	1.84	1.84	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Bc**	**2**	3.61	1.60	0.20	0.26	6.58	6.58	25.10	251.13	10.66	7.42	7.42
17:00-18:00	**Bc**	**3**	4.04	0.34	0.00	0.05	0.75	0.75	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Bc**	**4**	3.80	0.51	0.00	0.11	1.53	1.53	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Bc1**	**1**	7.35	0.37	0.00	0.06	0.81	0.81	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Bc1**	**2**	7.35	1.77	0.00	0.68	9.62	9.62	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Bc1**	**3**	7.35	0.55	0.00	0.12	1.70	1.70	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Bc1**	**4**	7.35	0.91	0.00	0.27	3.77	3.77	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Bc3**	**1**	1.51	3.85	0.36	0.08	6.19	6.19	20.26	79.21	3.27	2.68	2.68
17:00-18:00	**Bc3**	**2**	1.51	8.60	1.09	1.40	35.36	35.36	22.59	179.21	56.39	7.65	7.65
17:00-18:00	**Bc3**	**3**	1.51	4.28	0.52	0.16	9.62	9.62	21.64	116.63	6.50	4.00	4.00
17:00-18:00	**Bc3**	**4**	1.51	6.62	1.02	0.38	19.83	19.83	33.97	242.50	15.35	8.37	8.37
17:00-18:00	**Bx**	**1**	1.00	1.18	0.09	0.02	1.63	1.63	13.54	46.54	0.98	0.86	0.86

17:00-18:00	C2	1	23.28	1.03	0.00	0.26	3.73	3.73	0.00	0.00	0.00	0.00	0.00
17:00-18:00	C2	2	23.28	0.75	0.02	0.13	2.11	2.11	5.13	31.26	5.30	1.19	1.19
17:00-18:00	C3-1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17:00-18:00	C4	1	6.46	19.97	2.92	0.71	51.51	51.51	74.78	460.45	28.58	15.88	15.88
17:00-18:00	C4	2	6.46	19.67	3.19	0.71	55.33	55.33	74.46	502.16	28.76	17.24	17.24
17:00-18:00	C5	1	4.10	58.56	3.13	2.30	77.16	77.16	119.16	310.19	87.81	12.92	12.92
17:00-18:00	Cc	1	4.85	5.71	0.66	0.10	10.78	10.78	39.50	185.26	3.93	6.14	6.14
17:00-18:00	Cc	2	4.85	5.41	0.87	0.32	16.84	16.84	31.36	234.44	13.03	8.04	8.04
17:00-18:00	Cc	3	4.85	8.77	1.58	0.98	36.29	36.29	41.73	398.22	39.58	14.22	14.22
17:00-18:00	Cx	1	5.59	2.82	0.35	0.07	6.07	6.07	25.47	135.99	3.06	8.03	8.03
17:00-18:00	Cx	2	5.59	3.17	0.50	0.29	11.22	11.22	24.39	207.26	11.81	12.65	12.65
17:00-18:00	Cx 2	1	30.87	15.31	2.05	0.70	39.08	39.08	71.46	434.12	28.23	15.01	15.01
17:00-18:00	Cx 2	2	30.87	18.82	2.85	1.32	59.17	59.17	76.44	556.23	52.98	19.78	19.78
17:00-18:00	Cx3	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Cx4-2	1	5.77	0.82	0.05	0.10	2.09	2.09	12.49	76.67	4.12	2.62	2.62
17:00-18:00	Cx4-2	2	5.77	0.45	0.00	0.07	1.00	1.00	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Cx5	1	4.67	0.21	0.00	0.02	0.25	0.25	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Dc	1	6.71	21.66	2.57	2.01	64.97	649.68	103.55	707.44	79.99	25.57	255.71
17:00-18:00	Dc	2	6.71	13.08	1.65	0.78	34.45	34.45	83.35	525.30	31.49	18.08	18.08
17:00-18:00	Dc	3	6.71	3.03	0.19	0.08	3.87	3.87	7.37	20.46	3.43	0.78	0.78
17:00-18:00	Dx	1	3.13	1.02	0.05	0.10	2.15	2.15	3.74	15.97	3.98	1.15	1.15
17:00-18:00	Dx	2	3.13	5.14	0.89	0.23	16.01	16.01	31.79	231.74	19.07	14.48	14.48
17:00-18:00	Dx	3	3.13	3.73	0.59	0.25	11.82	11.82	19.25	144.47	10.08	8.92	8.92
17:00-18:00	Dx1	1	13.98	0.27	0.00	0.04	0.58	0.58	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Dx1	2	13.98	6.43	1.80	1.04	40.36	40.36	62.96	918.60	83.80	57.86	57.86
17:00-18:00	Ec	1	3.73	0.17	0.00	0.01	0.18	0.18	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Ec	2	3.73	4.57	0.86	0.65	21.57	21.57	49.86	569.74	26.65	19.37	19.37
17:00-18:00	Ec	3	3.73	1.69	0.19	0.07	3.77	3.77	35.63	199.08	2.96	6.56	6.56
17:00-18:00	Ex	1	7.46	6.13	0.48	2.08	36.34	36.34	47.12	543.30	165.18	23.01	23.01
17:00-18:00	Ex	2	7.46	0.35	0.00	0.05	0.65	0.65	0.00	0.00	0.00	0.00	0.00

17:00-18:00	Fx	1	21.62	0.29	0.00	0.04	0.62	0.62	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Fx	2	21.62	0.25	0.00	0.04	0.53	0.53	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Fx1	1	7.46	0.40	0.00	0.06	0.81	0.81	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Fx1	2	7.46	0.46	0.00	0.07	1.02	1.02	0.00	0.00	0.00	0.00	0.00

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	1	1	0.00	37.18	54.30	68.48	0.00	0.00	0.00			0.00	88.00	88.00	
17:00-18:00	3	1	0.00	0.02	48.70	0.03	0.00	0.00	0.00			7.00	0.00	7.00	
17:00-18:00	4	2	0.00	4.64	10.43	44.51	0.00	0.00	0.00	0.11	4.20	0.00	4.00	4.00	
17:00-18:00	4	3	0.00	5.95	10.43	57.02	0.00	0.00	0.00	0.19	5.24	0.00	13.00	13.00	
17:00-18:00	4	4	0.00	5.95	10.43	57.02	0.00	0.00	0.00	0.19	5.24	0.00	13.00	13.00	
17:00-18:00	4	5	0.00	5.91	10.43	56.60	0.00	0.00	0.00	0.19	5.20	0.00	13.00	13.00	
17:00-18:00	A	2	0.00	5.48	5.22	105.01	0.01	0.00	0.00			63.00	0.00	63.00	
17:00-18:00	A	3	0.00	7.10	5.22	136.12	0.51	0.00	0.00			0.00	14.00	14.00	
17:00-18:00	A	4	0.00	7.10	5.22	136.12	0.51	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	A	5	0.00	7.13	5.22	136.68	0.65	0.00	0.00			43.00	0.00	43.00	
17:00-18:00	B	1	0.00	16.01	48.70	32.88	0.00	0.00	0.00	4.84	13.38	0.00	0.00	0.00	
17:00-18:00	B	2	0.00	17.39	48.70	35.72	0.00	0.00	0.00	5.21	14.42	0.00	0.00	0.00	
17:00-18:00	C	1	0.00	58.57	34.78	168.38	13.39	0.00	0.00	38.92	53.14	0.00	2.00	2.00	
17:00-18:00	C	2	0.00	19.57	34.78	56.26	0.00	0.00	0.00	2.87	16.27	0.00	0.00	0.00	
17:00-18:00	D	1	0.00	18.57	52.17	35.58	0.00	0.00	0.00	1.65	12.25	0.00	1.00	1.00	
17:00-18:00	D	2	0.00	19.82	52.17	38.00	0.00	0.00	0.00	1.66	13.04	0.00	24.00	24.00	
17:00-18:00	D	3	0.00	10.05	52.17	19.27	0.00	0.00	0.00	0.29	7.69	0.00	6.00	6.00	
17:00-18:00	E	1	0.00	16.31	34.78	46.89	0.00	0.00	0.00			0.00	3.00	3.00	
17:00-18:00	E	2	0.00	16.16	34.78	46.47	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	E	3	0.00	16.16	34.78	46.47	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Ac	1	0.00	0.04	7.00	0.60	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Ac	2	0.00	0.20	7.00	2.82	0.00	0.00	0.00			0.00	14.00	14.00	

17:00-18:00	Ac	3	0.00	0.03	7.00	0.40	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Ax	1	0.00	3.58	3.48	102.85	0.00	0.03	0.00	0.04	3.20	0.00	0.00	0.00	
17:00-18:00	Ax	2	0.00	2.71	3.48	77.84	0.00	0.00	0.00	0.53	2.47	0.00	0.00	0.00	
17:00-18:00	Ax2	1	0.00	0.03	13.91	0.21	0.00	0.00	0.00			12.00	0.00	12.00	
17:00-18:00	Ax2	2	0.00	0.37	13.91	2.69	0.00	0.00	0.00			12.00	0.00	12.00	
17:00-18:00	Bc	1	0.00	0.13	7.23	1.79	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Bc	2	0.00	14.01	7.23	193.93	0.64	0.00	0.00			0.00	29.00	29.00	
17:00-18:00	Bc	3	0.00	0.05	7.23	0.73	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Bc	4	0.00	0.11	7.23	1.50	0.00	0.00	0.00			0.00	21.00	21.00	
17:00-18:00	Bc1	1	0.00	0.06	17.14	0.33	0.00	0.00	0.00			2.00	0.00	2.00	
17:00-18:00	Bc1	2	0.00	0.68	17.14	3.95	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Bc1	3	0.00	0.12	17.14	0.70	0.00	0.00	0.00			1.00	4.00	5.00	
17:00-18:00	Bc1	4	0.00	0.27	17.14	1.55	0.00	0.00	0.00			0.00	21.00	21.00	
17:00-18:00	Bc3	1	0.00	2.21	3.53	62.64	0.00	0.01	0.30	0.08	1.95	3.00	0.00	3.00	
17:00-18:00	Bc3	2	0.00	5.98	3.53	169.40	0.49	1.07	1065.85	1.40	5.45	0.00	0.00	0.00	
17:00-18:00	Bc3	3	0.00	3.23	3.53	91.54	0.00	0.10	104.91	0.16	2.77	0.00	0.00	0.00	
17:00-18:00	Bc3	4	0.00	7.36	3.53	208.39	0.40	0.85	848.58	0.38	4.78	0.00	0.00	0.00	
17:00-18:00	Bx	1	0.00	1.35	1.74	77.78	0.00	0.00	0.00	0.02	1.15	0.00	0.00	0.00	
17:00-18:00	C2	1	0.00	0.26	54.30	0.48	0.00	0.00	0.00			5.00	0.00	5.00	
17:00-18:00	C2	2	0.00	6.66	54.30	12.27	0.00	0.00	0.00			26.00	0.00	26.00	
17:00-18:00	C3-1	1	0.00	0.00	9.67	0.00	0.00	0.00	0.00			88.00	0.00	88.00	
17:00-18:00	C4	1	0.00	12.51	15.06	83.08	0.00	0.00	0.00	0.71	8.52	0.00	0.00	0.00	
17:00-18:00	C4	2	0.00	13.58	15.06	90.17	0.00	0.00	0.00	0.71	9.23	0.00	0.00	0.00	
17:00-18:00	C5	1	0.00	10.09	9.57	105.54	0.02	0.00	0.00	2.30	8.80	0.00	0.00	0.00	
17:00-18:00	Cc	1	0.00	5.40	6.00	90.07	0.00	0.00	0.00	0.10	3.42	6.00	12.00	18.00	
17:00-18:00	Cc	2	0.00	6.83	6.00	113.81	0.02	0.02	1.29	0.32	4.37	0.00	0.00	0.00	
17:00-18:00	Cc	3	0.00	11.42	6.00	190.27	0.74	0.74	44.12	0.98	7.00	0.00	0.00	0.00	
17:00-18:00	Cx	1	0.00	4.36	17.39	25.06	0.00	0.00	0.00	0.07	2.95	0.00	0.00	0.00	
17:00-18:00	Cx	2	0.00	6.56	17.39	37.70	0.00	0.00	0.00	0.29	3.70	0.00	0.00	0.00	
17:00-18:00	Cx 2	1	0.00	12.09	71.99	16.79	0.00	0.00	0.00	0.70	7.08	0.00	0.00	0.00	

17:00-18:00	Cx 2	2	0.00	16.18	71.99	22.48	0.00	0.00	0.00	1.32	9.16	0.00	0.00	0.00	
17:00-18:00	Cx3	1	0.00	0.00	10.32	0.00	0.00	0.00	0.00			88.00	0.00	88.00	
17:00-18:00	Cx4-2	1	0.00	9.73	13.47	72.25	0.00	0.00	0.00			40.00	0.00	40.00	
17:00-18:00	Cx4-2	2	0.00	0.07	13.47	0.52	0.00	0.00	0.00			22.00	0.00	22.00	
17:00-18:00	Cx5	1	0.00	0.02	10.89	0.16	0.00	0.00	0.00			42.00	0.00	42.00	
17:00-18:00	Dc	1	0.00	20.35	15.65	129.99	0.61	1.23	73.57	2.01	7.09	1.00	0.00	1.00	
17:00-18:00	Dc	2	0.00	15.18	15.65	96.99	0.00	0.16	4.90	0.78	4.35	0.00	0.00	0.00	
17:00-18:00	Dc	3	0.00	0.86	15.65	5.48	0.00	0.00	0.00	0.08	0.59	0.00	0.00	0.00	
17:00-18:00	Dx	1	0.00	0.63	9.74	6.48	0.00	0.00	0.00	0.10	0.54	16.00	0.00	16.00	
17:00-18:00	Dx	2	0.00	5.57	9.74	57.17	0.00	0.00	0.00	0.23	5.24	21.00	0.00	21.00	
17:00-18:00	Dx	3	0.00	3.93	9.74	40.32	0.00	0.00	0.00	0.25	3.75	24.00	0.00	24.00	
17:00-18:00	Dx1	1	0.00	0.04	43.48	0.09	0.00	0.00	0.00			18.00	0.00	18.00	
17:00-18:00	Dx1	2	0.00	29.09	43.48	66.92	0.00	0.00	0.00			9.00	0.00	9.00	
17:00-18:00	Ec	1	0.00	0.01	8.70	0.15	0.00	0.00	0.00			10.00	2.00	12.00	
17:00-18:00	Ec	2	0.00	21.05	8.70	242.10	2.42	3.33	199.80			8.00	0.00	8.00	
17:00-18:00	Ec	3	0.00	9.82	8.70	112.89	0.04	0.29	17.16			44.00	0.00	44.00	
17:00-18:00	Ex	1	0.00	18.66	17.39	107.28	0.06	0.00	0.00			1.00	0.00	1.00	
17:00-18:00	Ex	2	0.00	0.05	17.39	0.27	0.00	0.00	0.00			49.00	0.00	49.00	
17:00-18:00	Fx	1	0.00	0.04	50.43	0.09	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Fx	2	0.00	0.04	50.43	0.07	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Fx1	1	0.00	0.06	17.39	0.33	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Fx1	2	0.00	0.07	17.39	0.41	0.00	0.00	0.00			0.00	0.00	0.00	

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	108	58.57	814	-17
17:00-18:00	C	2	✓	Quick Flare	88	19.57	852	3

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)	Perfor Index (hr

17:00-18:00	1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	37.30			0.00	151.06	151.
17:00-18:00	3	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.02			0.00	0.23	0.2
17:00-18:00	4	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.64	0.11	4.20	0.00	30.99	11.
17:00-18:00	4	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.95	0.19	5.24	0.00	35.49	13.
17:00-18:00	4	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.95	0.19	5.24	0.00	40.12	14.
17:00-18:00	4	5	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.91	0.19	5.20	0.00	35.16	13.
17:00-18:00	A	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.48			0.00	7.17	2.4
17:00-18:00	A	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.10			0.00	16.93	6.1
17:00-18:00	A	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.10			0.00	16.93	6.1
17:00-18:00	A	5	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.13			0.00	22.59	8.3
17:00-18:00	B	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	16.62	5.46	14.00	0.00	148.18	51.
17:00-18:00	B	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	18.09	5.91	15.12	0.00	159.79	55.
17:00-18:00	C	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	92.78	73.13	87.35	0.00	706.02	258.
17:00-18:00	C	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	19.67	2.97	16.36	0.00	151.16	50.
17:00-18:00	D	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	18.59	1.67	12.27	0.00	129.03	35.
17:00-18:00	D	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	19.84	1.68	13.06	0.00	136.76	37.
17:00-18:00	D	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.06	0.29	7.69	0.00	63.53	16.
17:00-18:00	E	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	17.19			0.00	118.42	59.
17:00-18:00	E	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	17.00			0.00	116.33	58.
17:00-18:00	E	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	17.00			0.00	116.33	58.
17:00-18:00	Ac	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.04			0.00	0.59	0.5
17:00-18:00	Ac	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.20			0.00	2.80	2.8
17:00-18:00	Ac	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.03			0.00	0.40	0.4
17:00-18:00	Ax	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.58	0.04	3.20	0.00	16.52	16.
17:00-18:00	Ax	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.71	0.53	2.47	0.00	17.07	17.
17:00-18:00	Ax2	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.03			0.00	0.42	0.4
17:00-18:00	Ax2	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.37			0.00	5.32	5.3
17:00-18:00	Bc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.13			0.00	1.84	1.8
17:00-18:00	Bc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	14.01			0.00	14.00	14.
17:00-18:00	Bc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.05			0.00	0.75	0.7

17:00-18:00	Bc	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.11			0.00	1.53	1.5
17:00-18:00	Bc1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.06			0.00	0.81	0.8
17:00-18:00	Bc1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.68			0.00	9.62	9.6
17:00-18:00	Bc1	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.12			0.00	1.70	1.7
17:00-18:00	Bc1	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.27			0.00	3.77	3.7
17:00-18:00	Bc3	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.21	0.08	1.95	0.30	8.87	9.1
17:00-18:00	Bc3	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.99	1.41	5.46	1065.85	43.01	1108
17:00-18:00	Bc3	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.23	0.16	2.77	104.91	13.61	118.
17:00-18:00	Bc3	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.36	0.38	4.78	848.58	28.20	876.
17:00-18:00	Bx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.35	0.02	1.15	0.00	2.49	2.4
17:00-18:00	C2	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.26			0.00	3.73	3.7
17:00-18:00	C2	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.66			0.00	3.30	3.3
17:00-18:00	C3-1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.00			0.00	0.00	0.0
17:00-18:00	C4	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	12.52	0.71	8.52	0.00	67.39	67.
17:00-18:00	C4	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	13.59	0.71	9.23	0.00	72.57	72.
17:00-18:00	C5	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.21	2.42	8.91	0.00	90.08	90.
17:00-18:00	Cc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.40	0.10	3.42	0.00	16.93	16.
17:00-18:00	Cc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.83	0.32	4.37	1.29	24.88	26.
17:00-18:00	Cc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	11.42	0.98	7.00	44.12	50.50	94.
17:00-18:00	Cx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.36	0.07	2.95	0.00	14.09	14.
17:00-18:00	Cx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.56	0.29	3.70	0.00	23.87	23.
17:00-18:00	Cx 2	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	12.09	0.70	7.08	0.00	54.10	54.
17:00-18:00	Cx 2	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	16.19	1.33	9.17	0.00	78.96	78.
17:00-18:00	Cx3	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.00			0.00	0.00	0.0
17:00-18:00	Cx4-2	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.73			0.00	4.72	4.7
17:00-18:00	Cx4-2	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.07			0.00	1.00	1.0
17:00-18:00	Cx5	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.02			0.00	0.25	0.2
17:00-18:00	Dc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	20.38	2.04	7.13	73.57	90.54	978.
17:00-18:00	Dc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	15.18	0.78	4.35	4.90	52.53	57.
17:00-18:00	Dc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.86	0.08	0.59	0.00	4.65	4.6

17:00-18:00	Dx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.63	0.10	0.54	0.00	3.30	3.3
17:00-18:00	Dx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.57	0.23	5.24	0.00	30.49	30.
17:00-18:00	Dx	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.93	0.25	3.75	0.00	20.74	20.
17:00-18:00	Dx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.04			0.00	0.58	0.5
17:00-18:00	Dx1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	29.10			0.00	98.22	98.
17:00-18:00	Ec	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.01			0.00	0.18	0.1
17:00-18:00	Ec	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	21.05			199.80	40.94	240.
17:00-18:00	Ec	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.82			17.16	10.33	27.
17:00-18:00	Ex	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	18.68			0.00	59.35	59.
17:00-18:00	Ex	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.05			0.00	0.65	0.6
17:00-18:00	Fx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.04			0.00	0.62	0.6
17:00-18:00	Fx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.04			0.00	0.53	0.5
17:00-18:00	Fx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.06			0.00	0.81	0.8
17:00-18:00	Fx1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.07			0.00	1.02	1.0

Network Results

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	46964	46896	63	✓	108!	✓	-100	4722	4757

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	9.49	14.13	86.16	98.22	2618.23	2198.19	41.12	15841.68	3315.13	708.97	688.89

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	1514.22	2360.48	555.00	270.00	825.00

Network Results: Journey Times

Time Segment	Distance Travelled (PCU-km/hr)	Time Spent (PCU-hr/hr)	Mean Journey Speed (kph)
17:00-18:00	6227.00	308.15	20.21

Capabilities on project:
Transportation

Appendix E – Access Option 2C – Transyt results

TRANSYT 15

Version: 15.0.1.2976 []

For sales and distribution information, program advice and maintenance, contact TRL:
Tel: +44 (0)1344 770758 E-mail: software@trl.co.uk Web: http://www.trlsoftware.co.uk

Last run: 26/06/2014 11:33:17
Analysis Set used for last run: A1 - 2031 AM Scenario 3

Filename: Scenario D Proposed New access - with WAR signals.t15
Path: F:\TEM\Project\BCC - Peddimore Access Modelling\3. EXECUTION\Modelling\With Water Orton Lane\Scenario D\Proposed Water Orton Lane\140620 Further Modelling\Walmley Ash Signals
Report generation date: 26/06/2014 11:39:03

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

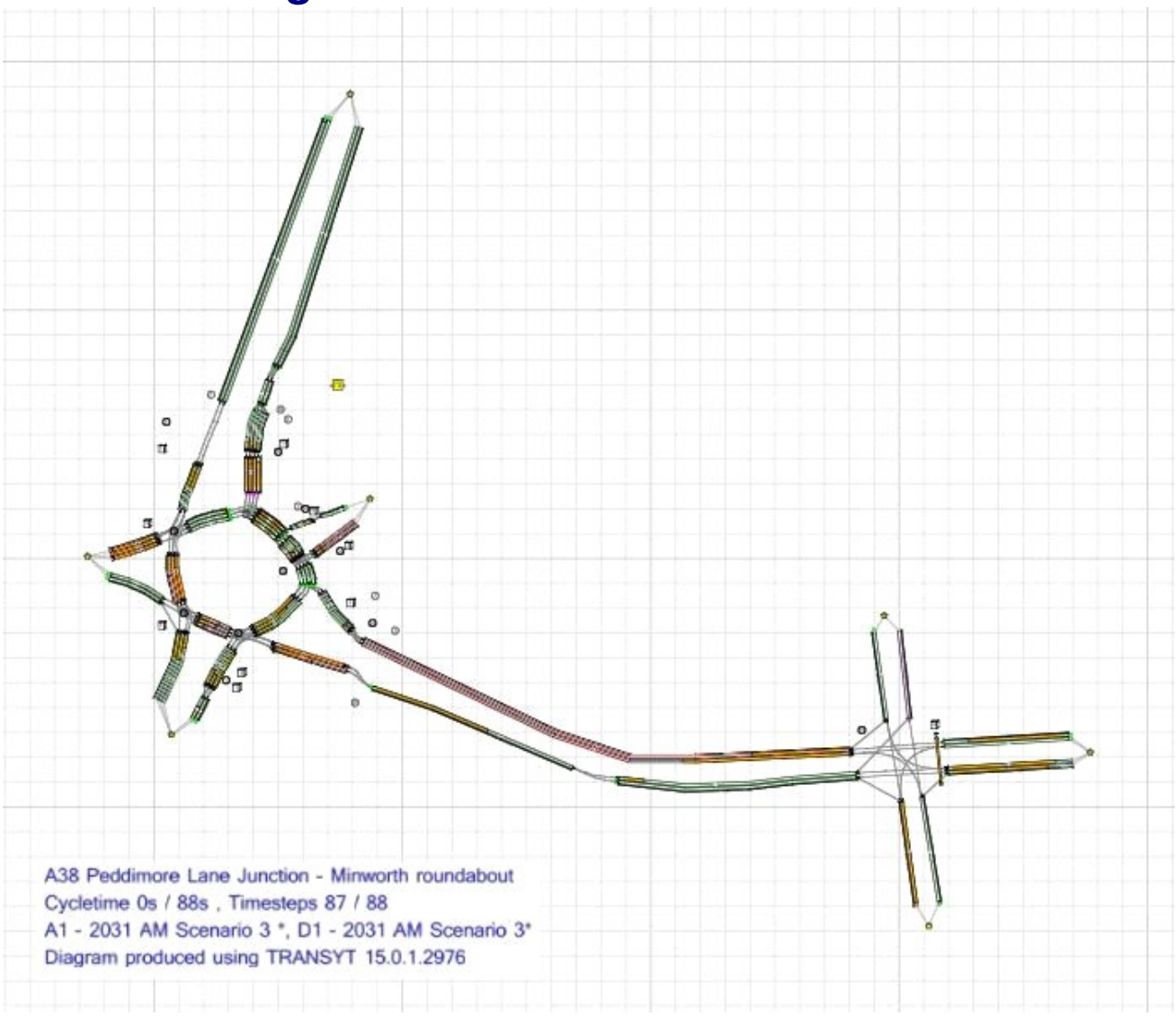
Units

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 11:33:10	26/06/2014 11:33:17	08:00	88	236.23	106.13	E/2	8	11	E/2	C3-1/1	C3-1/1	

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
			✓

Advanced

Optimisation Type	Hill Climb Increments	OUTProfile Accuracy	Use Enhanced Optimisation	Auto Optimisation Order	Optimisation Order
				✓	

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	(untitled)	
17	A38 North Exit	
20	A30 Southbound Exit	
22	(untitled)	
23	(untitled)	
24	(untitled)	
25	(untitled)	
26	Lindridge Drive Circulatory	
27	Lindridge Drive Circulatory	
28	(untitled)	

Links

Links

Link	Name	Description	Traffic Node	Length (m)	Has Restricted Flow	Use RR67	Saturation Flow (PCU/hr)	Is Signal Controlled	Is Give Way	Traffic Type	Is Minor Shared
1	(untitled)		23	3.50	✓		10000	✓		Pedestrian	

Modelling

Link	Traffic Model	Stop Weighting (%)	Delay Weighting (%)	Exclude From Results Calculation	Max Queue Storage (PCU)	Has Queue Limit	Has Degree Of Saturation Limit	Degree Of Saturation Limit (%)	Excess Degree Of Saturation Penalty (£)	Low Degree Of Saturation Penalty (£)
1	[Forced to PDM]	100	100		0.00		✓	80	0.00	0.00

Modelling - Advanced

Link	Initial Queue (PCU)	Type of Vehicle-in-Service	Vehicle-in-Service	Type Of Random Parameter	Random Parameter	Auto Cycle Time	Cycle Time
1	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88

Flows

Link	Flows	Total Flow (08:00-09:00) (PCU/hr)
1	1	500

Flows - Advanced

Link	Detectors	Link Sensitivity Multiplier (%)	Cruise Sensitivity Multiplier (%)
1		100	100

Signals

Link	Controller Stream	Phase	Phase2 Enabled
1	4	E	

Entry Sources

Link	Cruise Time (seconds)	Cruise Speed (kph)
1	1.00	30.00

Arms and Traffic Streams

Arms

Arm	Name	Description	Traffic Node
1	A4097 Kingsbury Road WB		25
3	New Access Exit		
4	A38 North		28
A	A38 North		1
Ac	A38 North Circulatory		1
Ax	A38 North Exit		8
Ax2	A38 North Exit		17
B	New Access		10
Bc	New Access Circulatory 1		6
Bc1	Kingsbury Road Circulatory 2		2
Bc3	New Access Circulatory 2		10
C	A4097 Kingsbury Road		3
Bx	New Access Exit		27
C2	A4097 Kingsbury Road WB		9
C3-1	Cottage Lane Entry		23
Cx 2	A4097 Kingsbury Road EB		23
Cx3	Cottage Lane Exit		
Cx4-2	(untitled)		
Cx5	Water Orton Lane Exit		
D	A38 South		4
E	Wamley Ash Road		5
C4	A4097 Kingsbury Road Entry		23
C5	Water Orton Lane Entry		23
Cc	A4097 Kingsbury Road Circulatory		3
Cx	A4097 Kinsbury Road Exit		24
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		
Fx	A38 South Exit		20
Fx1	(untitled)		22

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
1	1	(untitled)			312.22	✓	SumOfLanes	1800			Normal

3	**1**	(untitled)			280.00	✓	SumOfLanes	2128			Normal
4	**2**	(untitled)			60.00	✓	SumOfLanes	2279	✓		Normal
4	**3**	A38 North Entry			60.00	✓	SumOfLanes	2279	✓		Normal
4	**4**	(untitled)			60.00	✓	SumOfLanes	2279	✓		Normal
4	**5**	(untitled)			60.00	✓	SumOfLanes	2279	✓		Normal
A	**2**	(untitled)			30.00					✓	Normal
A	**3**	A38 North Entry			30.00					✓	Normal
A	**4**	(untitled)			30.00					✓	Normal
A	**5**	(untitled)			30.00					✓	Normal
B	**1**	(untitled)			280.00	✓	SumOfLanes	1940	✓		Normal
B	**2**	(untitled)			280.00	✓	SumOfLanes	2080	✓		Normal
C	**1**	(untitled)			200.00	✓	SumOfLanes	2112	✓		Normal
C	**2**	(untitled)			200.00	✓	SumOfLanes	2263	✓		Normal
D	**1**	(untitled)			300.00	✓	SumOfLanes	2126	✓		Normal
D	**2**	(untitled)			300.00	✓	SumOfLanes	2284	✓		Normal
D	**3**	(untitled)			300.00	✓	SumOfLanes	2284	✓		Normal
E	**1**	(untitled)			200.00	✓	SumOfLanes	1930	✓		Normal
E	**2**	(untitled)			200.00	✓	SumOfLanes	2070	✓		Normal
E	**3**	(untitled)			200.00	✓	SumOfLanes	2070	✓		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)			20.00	✓	SumOfLanes	1965	✓		Normal
Ax	**2**	(untitled)			20.00	✓	SumOfLanes	2105	✓		Normal
Ax2	**1**	A38 North Exit			80.00	✓	SumOfLanes	1800			Normal
Ax2	**2**	A38 North Exit			80.00	✓	SumOfLanes	1800			Normal
Bc	**1**	(untitled)			41.55	✓	SumOfLanes	1915			Normal
Bc	**2**	(untitled)			41.55	✓	SumOfLanes	2055			Normal
Bc	**3**	(untitled)			41.55	✓	SumOfLanes	2055			Normal
Bc	**4**	(untitled)			41.55	✓	SumOfLanes	2055			Normal
Bc1	**1**	(untitled)			98.58	✓	SumOfLanes	1800			Normal
Bc1	**2**	(untitled)			98.58	✓	SumOfLanes	2055			Normal
Bc1	**3**	(untitled)			98.58	✓	SumOfLanes	1800			Normal
Bc1	**4**	(untitled)			98.58	✓	SumOfLanes	2055			Normal
Bc3	**1**	(untitled)			20.31	✓	SumOfLanes	1915	✓		Normal
Bc3	**2**	(untitled)			20.31	✓	SumOfLanes	2055	✓		Normal
Bc3	**3**	(untitled)			20.31	✓	SumOfLanes	2055	✓		Normal
Bc3	**4**	(untitled)			20.31	✓	SumOfLanes	2055	✓		Normal
Bx	**1**	(untitled)			10.00	✓	SumOfLanes	2128	✓		Normal
C2	**1**	(untitled)			312.22	✓	SumOfLanes	1800			Normal
C2	**2**	(untitled)			312.22	✓	SumOfLanes	1800			Normal
C3-1	**1**	(untitled)			55.60					✓	Normal
C4	**1**	(untitled)			86.62	✓	SumOfLanes	1887	✓		Normal
C4	**2**	(untitled)			86.62	✓	SumOfLanes	2055	✓		Normal
C5	**1**	(untitled)			55.00	✓	SumOfLanes	1906	✓		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
Cx 2	**1**	(untitled)			413.96	✓	SumOfLanes	1915	✓		Normal
Cx 2	**2**	(untitled)			413.96	✓	SumOfLanes	2055	✓		Normal
Cx3	**1**	(untitled)			59.35	✓	SumOfLanes	1800			Normal
Cx4-2	**1**	(untitled)			77.43	✓	SumOfLanes	1800			Normal
Cx4-2	**2**	(untitled)			77.43	✓	SumOfLanes	1800			Normal
Cx5	**1**	(untitled)			62.61	✓	SumOfLanes	1800			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
Ec	**1**	(untitled)			50.00	✓	SumOfLanes	1985	✓		Normal
Ec	**2**	(untitled)			50.00	✓	SumOfLanes	2125	✓		Normal
Ec	**3**	(untitled)			50.00	✓	SumOfLanes	2125	✓		Normal
Ex	**1**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Ex	**2**	(untitled)			100.00	✓	SumOfLanes	1800			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

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)
1	**1**	**1**	(untitled)											1800
3	**1**	**2**	Lindridge drive Exit											2128
4	**2**	**1**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
4	**3**	**3**	(untitled)		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
4	**4**	**2**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
4	**5**	**1**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
A	**2**	**1**	A38 North Entry		✓									
A	**3**	**3**	(untitled)		✓									
A	**4**	**2**	A38 North Entry		✓									
A	**5**	**1**	A38 North Entry		✓									

B	**1**	**1**	New Access		✓	N/A	N/A	0	3.25		0	10.00	✓	1940
B	**2**	**2**	New Access		✓	N/A	N/A	0	3.25		0	10.00		2080
C	**1**	**1**	A4097 Kingsbury Road Entry		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
C	**2**	**2**	A4097 Kingsbury Road Entry		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
D	**1**	**2**	A38 South Entry		✓	N/A	Clearly Good	0	3.70		10	42.00	✓	2126
D	**2**	**1**	A38 South Entry		✓	N/A	Clearly Good	0	3.70		0	10.00		2284
D	**3**	**3**	A38 South Entry		✓	N/A	Clearly Good	0	3.70		0	10.00		2284
E	**1**	**3**	(untitled)		✓	N/A	N/A	0	3.15		0	10.00	✓	1930
E	**2**	**3**	(untitled)		✓	N/A	N/A	0	3.15		0	10.00		2070
E	**3**	**3**	(untitled)		✓	N/A	N/A	0	3.15		0	10.00		2070
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
Ax2	**1**	**1**	(untitled)											1800
Ax2	**2**	**1**	(untitled)											1800
Bc	**1**	**2**	Lindridge Drive Circulatory		✓	N/A	N/A	0	3.00		0	10.00	✓	1915
Bc	**2**	**1**	Lindridge Drive Circulatory		✓	N/A	N/A	0	3.00		0	10.00		2055
Bc	**3**	**3**	Lindridge Drive Circulatory		✓	N/A	N/A	0	3.00		0	10.00		2055
Bc	**4**	**3**	Lindridge Drive Circulatory		✓	N/A	N/A	0	3.00		0	10.00		2055
Bc1	**1**	**2**	Lindridge Drive Circulatory											1800
Bc1	**2**	**1**	Lindridge Drive Circulatory											2055
Bc1	**3**	**3**	Lindridge Drive Circulatory											1800
Bc1	**4**	**3**	Lindridge Drive Circulatory											2055
Bc3	**1**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00	✓	1915
Bc3	**2**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00		2055
Bc3	**3**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00		2055
Bc3	**4**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00		2055

Bx	**1**	**2**	Lindridge drive Exit										2128
C2	**1**	**1**	(untitled)										1800
C2	**2**	**1**	(untitled)										1800
C3-1	**1**	**1**	(untitled)		✓							✓	
C4	**1**	**1**	(untitled)		✓	N/A	N/A	0	3.00		7	7.20	✓	1887
C4	**2**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	7.20		2055
C5	**1**	**1**	(untitled)		✓	N/A	N/A	0	2.91		0	10.00	✓	1906
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
Cx 2	**1**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00	✓	1915
Cx 2	**2**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00		2055
Cx3	**1**	**1**	(untitled)											1800
Cx4-2	**1**	**1**	(untitled)											1800
Cx4-2	**2**	**1**	(untitled)											1800
Cx5	**1**	**1**	(untitled)											1800
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
Ec	**1**	**2**	Wamley Ash Road Circulatory		✓	N/A	N/A	0	3.70		0	10.00	✓	1985
Ec	**2**	**1**	Wamley Ash Road Circulatory		✓	N/A	N/A	0	3.70		0	10.00		2125
Ec	**3**	**3**	(untitled)		✓	N/A	N/A	0	3.70		0	10.00		2125
Ex	**1**	**1**	Wamley Ash Road Exit											1800
			Wamley											

Ex	**2**	**2**	Ash Road Exit										1800
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

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
1	**1**	[Forced to PDM]	100	100		0.00				
3	**1**	[Forced to PDM]	100	100		0.00				
4	**2**	[Forced to PDM]	100	100		0.00				
4	**3**	[Forced to PDM]	100	100		0.00				
4	**4**	[Forced to PDM]	100	100		0.00				
4	**5**	[Forced to PDM]	100	100		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				
A	**5**	[Forced to PDM]	20	40	✓	0.00				
B	**1**	[Forced to PDM]	20	60		0.00				
B	**2**	[Forced to PDM]	20	60		0.00				
C	**1**	[Forced to PDM]	0	40		0.00				
C	**2**	[Forced to PDM]	0	40		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				
E	**1**	[Forced to PDM]	100	40		0.00				
E	**2**	[Forced to PDM]	100	40		0.00				
E	**3**	[Forced to PDM]	100	40		0.00				
Ac	**1**	[Forced to PDM]	100	100		7.00	✓	3	80.00	
Ac	**2**	[Forced to PDM]	100	100		7.00	✓	5	80.00	
Ac	**3**	[Forced to PDM]	100	100		7.00	✓	5	80.00	

Ax	**1**	[Forced to PDM]	100	100		0.00	✓	3	0.00	
Ax	**2**	[Forced to PDM]	100	100		0.00	✓	3	0.00	
Ax2	**1**	[Forced to PDM]	100	100		0.00				
Ax2	**2**	[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	
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	
Bc3	**1**	[Forced to PDM]	100	100		0.00	✓	2	60.00	
Bc3	**2**	[Forced to PDM]	100	100		0.00	✓	2	1000.00	
Bc3	**3**	[Forced to PDM]	100	100		0.00	✓	2	1000.00	
Bc3	**4**	[Forced to PDM]	100	100		0.00	✓	2	1000.00	
Bx	**1**	[Forced to PDM]	100	100		0.00				
C2	**1**	[Forced to PDM]	100	100		0.00				
C2	**2**	[Forced to PDM]	100	100		0.00				
C3-1	**1**	[Forced to PDM]	100	100		0.00				
C4	**1**	[Forced to PDM]	100	100		0.00				
C4	**2**	[Forced to PDM]	100	100		0.00				
C5	**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				
Cx 2	**1**	[Forced to PDM]	100	100		0.00				
Cx 2	**2**	[Forced to PDM]	100	100		0.00				

Cx3	**1**	[Forced to PDM]	100	100		0.00				
Cx4-2	**1**	[Forced to PDM]	100	100		0.00				
Cx4-2	**2**	[Forced to PDM]	100	100		0.00				
Cx5	**1**	[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				
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				
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				

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
1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
3	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
4	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
4	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
4	**4**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
4	**5**	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
A	**5**	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
C	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C	**2**	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
E	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
E	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
E	**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
Ax2	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax2	**2**	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
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
Bc3	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc3	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc3	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc3	**4**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C2	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C2	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C3-1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C4	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C4	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C5	**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
Cx 2	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx 2	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx3	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx4-2	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx4-2	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx5	**1**	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
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
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

Normal - Modelling

Arm	Traffic Stream	Stop Weighting (%)	Delay Weighting (%)
1	1	100	100
3	1	100	100
4	2	100	100
4	3	100	100
4	4	100	100
4	5	100	100
A	2	100	100
A	3	100	100
A	4	100	100
A	5	100	100
B	1	100	100
B	2	100	100
C	1	100	100
C	2	100	100
D	1	100	100
D	2	100	100
D	3	100	100
E	1	100	100
E	2	100	100
E	3	100	100
Ac	1	100	100
Ac	2	100	100
Ac	3	100	100
Ax	1	100	100
Ax	2	100	100
Ax2	1	100	100
Ax2	2	100	100
Bc	1	100	100
Bc	2	100	100
Bc	3	100	100
Bc	4	100	100
Bc1	1	100	100
Bc1	2	100	100

Bc1	**3**	100	100
Bc1	**4**	100	100
Bc3	**1**	100	100
Bc3	**2**	100	100
Bc3	**3**	100	100
Bc3	**4**	100	100
Bx	**1**	100	100
C2	**1**	100	100
C2	**2**	100	100
C3-1	**1**	100	100
C4	**1**	100	100
C4	**2**	100	100
C5	**1**	100	100
Cc	**1**	100	100
Cc	**2**	100	100
Cc	**3**	100	100
Cx	**1**	100	100
Cx	**2**	100	100
Cx 2	**1**	100	100
Cx 2	**2**	100	100
Cx3	**1**	100	100
Cx4-2	**1**	100	100
Cx4-2	**2**	100	100
Cx5	**1**	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
Ec	**1**	100	100
Ec	**2**	100	100
Ec	**3**	100	100
Ex	**1**	100	100
Ex	**2**	100	100
Fx	**1**	100	100
Fx	**2**	100	100
Fx1	**1**	100	100
Fx1	**2**	100	100

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)
1	**1**	1511	1511
3	**1**	1153	1153
4	**2**	361	361
4	**3**	361	361
4	**4**	361	361
4	**5**	361	361
A	**2**	361	361
A	**3**	361	361

A	**4**	361	361
A	**5**	361	361
B	**1**	222	222
B	**2**	237	237
C	**1**	679	679
C	**2**	832	832
D	**1**	687	687
D	**2**	739	739
D	**3**	478	478
E	**1**	651	651
E	**2**	699	699
E	**3**	699	699
Ac	**1**	1450	1450
Ac	**2**	1177	1177
Ac	**3**	699	699
Ax	**1**	614	614
Ax	**2**	308	308
Ax2	**1**	614	614
Ax2	**2**	308	308
Bc	**1**	1811	1811
Bc	**2**	1140	1140
Bc	**3**	758	758
Bc	**4**	1059	1059
Bc1	**1**	740	740
Bc1	**2**	1280	1280
Bc1	**3**	861	861
Bc1	**4**	1193	1193
Bc3	**1**	658	658
Bc3	**2**	1140	1140
Bc3	**3**	758	758
Bc3	**4**	1059	1059
Bx	**1**	1153	1153
C2	**1**	848	848
C2	**2**	663	663
C3-1	**1**	0	0
C4	**1**	609	609
C4	**2**	663	663
C5	**1**	331	331
Cc	**1**	371	371
Cc	**2**	861	861
Cc	**3**	1193	1193
Cx	**1**	740	740
Cx	**2**	909	909
Cx 2	**1**	753	753
Cx 2	**2**	896	896
Cx3	**1**	0	0
Cx4-2	**1**	753	753
Cx4-2	**2**	560	560
Cx5	**1**	428	428
Dc	**1**	343	343
Dc	**2**	597	597
Dc	**3**	500	500

Dx	**1**	707	707
Dx	**2**	861	861
Dx	**3**	929	929
Dx1	**1**	707	707
Dx1	**2**	1790	1790
Ec	**1**	483	483
Ec	**2**	1238	1238
Ec	**3**	478	478
Ex	**1**	701	701
Ex	**2**	443	443
Fx	**1**	721	721
Fx	**2**	721	721
Fx1	**1**	721	721
Fx1	**2**	721	721

Signals

Arm	Traffic Stream	Controller Stream	Phase	Phase2 Enabled
4	**2**	11	A	
4	**3**	11	A	
4	**4**	11	A	
4	**5**	11	A	
B	**1**	9	A	
B	**2**	9	A	
C	**1**	3	A	
C	**2**	3	A	
D	**1**	2	A	
D	**2**	2	A	
D	**3**	2	A	
E	**1**	12	A	
E	**2**	12	A	
E	**3**	12	A	
Ax	**1**	5	A	
Ax	**2**	5	A	
Bc3	**1**	9	B	
Bc3	**2**	9	B	
Bc3	**3**	9	B	
Bc3	**4**	9	B	
Bx	**1**	10	A	
C4	**1**	4	D	
C4	**2**	4	D	
C5	**1**	4	C	
Cc	**1**	3	B	
Cc	**2**	3	B	
Cc	**3**	3	B	
Cx	**1**	6	A	
Cx	**2**	6	A	
Cx 2	**1**	4	A	
Cx 2	**2**	4	B	
Dc	**1**	2	B	
Dc	**2**	2	B	
Dc	**3**	2	B	
Dx	**1**	7	A	
Dx	**2**	7	A	
Dx	**3**	7	A	
Ec	**1**	12	B	
Ec	**2**	12	B	
Ec	**3**	12	B	

Entry Sources

Arm	Traffic Stream	Normal Cruise Time (seconds)	Normal Cruise Speed (kph)
B	1	20.88	48.28
B	2	20.88	48.28
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
E	3	14.91	48.28
C3-1	1	4.15	48.28
C4	1	6.46	48.28
C4	2	6.46	48.28
C5	1	4.10	48.28
Fx	1	21.62	48.28
Fx	2	21.62	48.28

Sources

Arm	Traffic Stream	Source	Source Type	Source Traffic Stream	Destination Traffic Stream	Normal Cruise Time (seconds)	Normal Cruise Speed (kph)	Auto Turning Radius	Traffic Turn Style	Turning Radius (m)
1	1	1	TrafficStream	C2/1	1/1	23.28	48.28	✓	Straight	Straight Movement
3	1	1	TrafficStream	Bx/1	3/1	20.88	48.28	✓	Straight	Straight Movement
4	2	1	TrafficStream	Fx1/1	4/2	4.47	48.28	✓	Straight	Straight Movement
4	3	1	TrafficStream	Fx1/1	4/3	7.20	30.00	✓	Straight	Straight Movement
4	4	1	TrafficStream	Fx1/2	4/4	4.47	48.28	✓	Straight	Straight Movement
4	5	1	TrafficStream	Fx1/2	4/5	7.20	30.00	✓	Straight	Straight Movement
A	2	1	TrafficStream	4/2	A/2	3.60	30.00	✓	Straight	Straight Movement
A	3	1	TrafficStream	4/3	A/3	3.60	30.00	✓	Straight	Straight Movement
A	4	1	TrafficStream	4/4	A/4	3.60	30.00	✓	Straight	Straight Movement
A	5	1	TrafficStream	4/5	A/5	3.60	30.00	✓	Straight	Straight Movement
C	1	1	TrafficStream	1/1	C/1	14.91	48.28	✓	Straight	Straight Movement
C	2	1	TrafficStream	1/1	C/2	14.91	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/3	Ac/3	4.03	48.28	✓	Straight	Straight Movement
Ax	1	1	TrafficStream	Ec/1	Ax/1	1.12	64.37	✓	Straight	Straight Movement
Ax	2	1	TrafficStream	Ec/2	Ax/2	1.12	64.37	✓	Straight	Straight Movement
Ax2	1	1	TrafficStream	Ax/1	Ax2/1	9.60	30.00	✓	Straight	Straight Movement

Ax2	**2**	**1**	TrafficStream	Ax/2	Ax2/2	9.60	30.00	✓	Straight	Straight Movement
Bc	**1**	**1**	TrafficStream	Ac/1	Bc/1	3.10	48.28	✓	Straight	Straight Movement
Bc	**2**	**1**	TrafficStream	Ac/2	Bc/2	3.10	48.28	✓	Straight	Straight Movement
Bc	**3**	**1**	TrafficStream	Ac/2	Bc/3	3.10	48.28	✓	Straight	Straight Movement
Bc	**4**	**1**	TrafficStream	Ac/3	Bc/4	3.10	48.28	✓	Straight	Straight Movement
Bc1	**1**	**1**	TrafficStream	B/1	Bc1/1	7.35	48.28	✓	Nearside	29.55
Bc1	**2**	**1**	TrafficStream	Bc3/2	Bc1/2	7.35	48.28	✓	Straight	Straight Movement
Bc1	**3**	**1**	TrafficStream	Bc3/3	Bc1/3	7.35	48.28	✓	Straight	Straight Movement
Bc1	**4**	**1**	TrafficStream	Bc3/4	Bc1/4	7.35	48.28	✓	Straight	Straight Movement
Bc3	**1**	**1**	TrafficStream	Bc/1	Bc3/1	1.51	48.28	✓	Straight	Straight Movement
Bc3	**2**	**1**	TrafficStream	Bc/2	Bc3/2	1.51	48.28	✓	Straight	Straight Movement
Bc3	**3**	**1**	TrafficStream	Bc/3	Bc3/3	1.51	48.28	✓	Straight	Straight Movement
Bc3	**4**	**1**	TrafficStream	Bc/4	Bc3/4	1.51	48.28	✓	Straight	Straight Movement
Bx	**1**	**1**	TrafficStream	Bc/1	Bx/1	1.00	48.28	✓	Nearside	22.12
C2	**1**	**1**	TrafficStream	C4/1	C2/1	23.28	48.28	✓	Straight	Straight Movement
C2	**2**	**1**	TrafficStream	C3-1/1	C2/2	23.28	48.28	✓	Straight	Straight Movement
Cc	**1**	**1**	TrafficStream	Bc1/2	Cc/1	4.85	48.28	✓	Straight	Straight Movement
Cc	**2**	**1**	TrafficStream	Bc1/3	Cc/2	4.85	48.28	✓	Straight	Straight Movement
Cc	**3**	**1**	TrafficStream	Bc1/4	Cc/3	4.85	48.28	✓	Offside	88.92
Cx	**1**	**1**	TrafficStream	Bc1/1	Cx/1	5.59	64.37	✓	Nearside	83.25
Cx	**2**	**1**	TrafficStream	Bc1/2	Cx/2	5.59	64.37	✓	Straight	Straight Movement
Cx 2	**1**	**1**	TrafficStream	Cx/1	Cx 2/1	30.87	48.28	✓	Straight	Straight Movement
Cx 2	**2**	**1**	TrafficStream	Cx/1	Cx 2/2	30.87	48.28	✓	Straight	Straight Movement
Cx3	**1**	**1**	TrafficStream	Cx 2/1	Cx3/1	4.43	48.28	✓	Straight	Straight Movement
Cx4-2	**1**	**1**	TrafficStream	Cx 2/1	Cx4-2/1	5.77	48.28	✓	Straight	Straight Movement
Cx4-2	**2**	**1**	TrafficStream	Cx 2/2	Cx4-2/2	5.77	48.28	✓	Straight	Straight Movement
Cx5	**1**	**1**	TrafficStream	C3-1/1	Cx5/1	4.67	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
Fx1	**1**	**1**	TrafficStream	Fx/1	Fx1/1	7.46	48.28	✓	Straight	Straight Movement
Fx1	**2**	**1**	TrafficStream	Fx/1	Fx1/2	7.46	48.28	✓	Straight	Straight Movement
1	**1**	**2**	TrafficStream	C2/2	1/1	23.28	48.28	✓	Straight	Straight Movement
Ac	**1**	**2**	TrafficStream	Ec/2	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	1.12	64.37	✓	Straight	Straight Movement
Ax	**2**	**2**	TrafficStream	E/1	Ax/2	1.12	64.37	✓	Straight	Straight Movement
Bc	**1**	**2**	TrafficStream	A/2	Bc/1	4.99	30.00	✓	Nearside	75.00
Bc	**2**	**2**	TrafficStream	A/3	Bc/2	4.99	30.00	✓	Nearside	95.00
Bc	**3**	**2**	TrafficStream	A/4	Bc/3	4.99	30.00	✓	Straight	Straight Movement
Bc	**4**	**2**	TrafficStream	A/5	Bc/4	4.99	30.00	✓	Straight	Straight Movement
Bc1	**1**	**2**	TrafficStream	Bc3/1	Bc1/1	7.35	48.28	✓	Straight	Straight Movement
Bc1	**2**	**2**	TrafficStream	B/1	Bc1/2	7.35	48.28	✓	Nearside	29.55
Bc1	**3**	**2**	TrafficStream	B/2	Bc1/3	7.35	48.28	✓	Nearside	49.55
Bc1	**4**	**2**	TrafficStream	B/2	Bc1/4	7.35	48.28	✓	Nearside	49.55
C2	**1**	**2**	TrafficStream	C5/1	C2/1	23.28	48.28	✓	Straight	Straight Movement
C2	**2**	**2**	TrafficStream	C4/2	C2/2	23.28	48.28	✓	Straight	Straight Movement
Cx 2	**1**	**2**	TrafficStream	Cx/2	Cx 2/1	30.87	48.28	✓	Straight	Straight Movement
Cx 2	**2**	**2**	TrafficStream	Cx/2	Cx 2/2	30.87	48.28	✓	Straight	Straight Movement
Cx3	**1**	**2**	TrafficStream	C5/1	Cx3/1	4.43	48.28	✓	Straight	Straight Movement
Cx4-2	**2**	**2**	TrafficStream	C5/1	Cx4-2/2	5.77	48.28	✓	Straight	Straight Movement
Cx5	**1**	**2**	TrafficStream	C4/1	Cx5/1	4.67	48.28	✓	Straight	Straight Movement
Dc	**1**	**2**	TrafficStream	Cc/1	Dc/1	6.71	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
Fx1	**1**	**2**	TrafficStream	Fx/2	Fx1/1	7.46	48.28	✓	Straight	Straight Movement
Fx1	**2**	**2**	TrafficStream	Fx/2	Fx1/2	7.46	48.28	✓	Straight	Straight Movement
Cx3	**1**	**3**	TrafficStream	C4/2	Cx3/1	7.12	30.00	✓	Straight	Straight Movement
Cx5	**1**	**3**	TrafficStream	Cx 2/2	Cx5/1	4.67	48.28	✓	Straight	Straight Movement

Give Way Data

Arm	Traffic Stream	Opposed Traffic	Use Step-wise Opposed Turn Model	Visibility Restricted
A	**2**	AllTraffic		
A	**3**	AllTraffic		
A	**4**	AllTraffic		
A	**5**	AllTraffic		
C3-1	**1**	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
2	Roundabout Circulating	TrafficStream	Ac/1	100	0.19		0	0
3	Roundabout Circulating	TrafficStream	Ac/1	100	0.19		0	0
3		TrafficStream	Ac/2	100	0.19		0	0
4	Roundabout Circulating	TrafficStream	Ac/1	100	0.19		0	0
4		TrafficStream	Ac/2	100	0.19		0	0
5	Roundabout Circulating	TrafficStream	Ac/1	100	0.19		0	0
5		TrafficStream	Ac/2	100	0.19		0	0
5		TrafficStream	Ac/3	100	0.19		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

Local OD Matrix - Local Matrix: 2031 AM S3

Normal Input Flows (PCU/hr)

		To						
		1	2	3	4	5	6	7
From	1	0	78	0	260	70	739	295
	2	31	0	0	133	31	241	23
	3	0	0	0	0	0	0	0
	4	220	272	0	0	69	344	367
	5	56	74	0	23	0	77	101
	6	353	715	0	379	99	0	358
	7	262	14	0	518	159	1096	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 AM S3	1	(untitled)	Fx/2,Fx/1	Ax2/1,Ax2/2
2031 AM S3	2	(untitled)	B/1,B/2	3/1
2031 AM S3	3	(untitled)	C3-1/1	Cx3/1
2031 AM S3	4	(untitled)	C4/1,C4/2	Cx4-2/1,Cx4-2/2
2031 AM S3	5	(untitled)	C5/1	Cx5/1
2031 AM S3	6	(untitled)	D/1,D/2,D/3	Dx1/2,Dx1/1
2031 AM S3	7	(untitled)	E/1,E/2,E/3	Ex/1,Ex/2

Paths

OD Matrix	Path	Description	From Location	To Location	Path Items
2031 AM S3	1		6	1	D/1,Ec/1,Ax/1,Ax2/1
2031 AM S3	2		6	7	D/1,Ex/1
2031 AM S3	3		6	1	D/2,Ec/2,Ax/2,Ax2/2
2031 AM S3	4		6	2	D/2,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	5		6	3	D/2,Ec/2,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx3/1
2031 AM S3	6		6	4	D/2,Ec/2,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx4-2/1
2031 AM S3	7		6	5	D/2,Ec/2,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx5/1
2031 AM S3	8		6	4	D/2,Ec/2,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx4-2/2
2031 AM S3	9		6	6	D/3,Ec/3,Ac/2,Bc/2,Bc3/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 AM S3	10		6	3	D/3,Ec/3,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx3/1
2031 AM S3	11		6	4	D/3,Ec/3,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx4-2/1
2031 AM S3	12		6	5	D/3,Ec/3,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx5/1
2031 AM S3	13		6	4	D/3,Ec/3,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx4-2/2
2031 AM S3	14		6	6	D/3,Ec/3,Ac/2,Bc/3,Bc3/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 AM S3	15		7	1	E/1,Ax/1,Ax2/1
2031 AM S3	16		7	1	E/1,Ax/2,Ax2/2
2031 AM S3	17		7	2	E/1,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	18		7	3	E/1,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx3/1
2031 AM S3	19		7	4	E/1,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx4-2/1
2031 AM S3	20		7	5	E/1,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx5/1

2031 AM S3	**21**		7	4	E/1,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx4-2/2
2031 AM S3	**22**		7	7	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cc/1,Dc/1,Ex/1
2031 AM S3	**23**		7	6	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 AM S3	**24**		7	3	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx3/1
2031 AM S3	**25**		7	4	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx4-2/1
2031 AM S3	**26**		7	5	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx5/1
2031 AM S3	**27**		7	4	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx4-2/2
2031 AM S3	**28**		7	6	E/2,Ac/2,Bc/3,Bc3/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 AM S3	**29**		7	7	E/3,Ac/3,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 AM S3	**30**		7	6	E/3,Ac/3,Bc/4,Bc3/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 AM S3	**31**		2	3	B/1,Bc1/1,Cx/1,Cx 2/1,Cx3/1
2031 AM S3	**32**		2	4	B/1,Bc1/1,Cx/1,Cx 2/1,Cx4-2/1
2031 AM S3	**33**		2	5	B/1,Bc1/1,Cx/1,Cx 2/2,Cx5/1
2031 AM S3	**34**		2	4	B/1,Bc1/1,Cx/1,Cx 2/2,Cx4-2/2
2031 AM S3	**35**		2	7	B/1,Bc1/2,Cc/1,Dc/1,Ex/1
2031 AM S3	**36**		2	6	B/1,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 AM S3	**37**		2	3	B/1,Bc1/2,Cx/2,Cx 2/1,Cx3/1
2031 AM S3	**38**		2	4	B/1,Bc1/2,Cx/2,Cx 2/1,Cx4-2/1
2031 AM S3	**39**		2	5	B/1,Bc1/2,Cx/2,Cx 2/2,Cx5/1
2031 AM S3	**40**		2	4	B/1,Bc1/2,Cx/2,Cx 2/2,Cx4-2/2
2031 AM S3	**41**		2	6	B/2,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 AM S3	**42**		2	1	B/2,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**43**		2	7	B/2,Bc1/4,Cc/3,Dc/2,Ex/2
2031 AM S3	**44**		2	1	B/2,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**45**		2	2	B/2,Bc1/4,Cc/3,Dc/3,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	**46**		2	6	B/2,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 AM S3	**47**		3	5	C3-1/1,Cx5/1
2031 AM S3	**48**		3	7	C3-1/1,C2/2,1/1,C/1,Dc/1,Ex/1
2031 AM S3	**49**		3	6	C3-1/1,C2/2,1/1,C/1,Dx/1,Dx1/1
2031 AM S3	**50**		3	1	C3-1/1,C2/2,1/1,C/2,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**51**		3	7	C3-1/1,C2/2,1/1,C/2,Dc/2,Ex/2
2031 AM S3	**52**		3	1	C3-1/1,C2/2,1/1,C/2,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**53**		3	2	C3-1/1,C2/2,1/1,C/2,Dc/3,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	**54**		4	5	C4/1,Cx5/1
2031 AM S3	**55**		4	7	C4/1,C2/1,1/1,C/1,Dc/1,Ex/1
2031 AM S3	**56**		4	6	C4/1,C2/1,1/1,C/1,Dx/1,Dx1/1
2031 AM S3	**57**		4	1	C4/1,C2/1,1/1,C/2,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**58**		4	7	C4/1,C2/1,1/1,C/2,Dc/2,Ex/2
2031 AM S3	**59**		4	1	C4/1,C2/1,1/1,C/2,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**60**		4	2	C4/1,C2/1,1/1,C/2,Dc/3,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	**61**		4	3	C4/2,Cx3/1
2031 AM S3	**62**		4	7	C4/2,C2/2,1/1,C/1,Dc/1,Ex/1
2031 AM S3	**63**		4	6	C4/2,C2/2,1/1,C/1,Dx/1,Dx1/1
2031 AM S3	**64**		4	1	C4/2,C2/2,1/1,C/2,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**65**		4	7	C4/2,C2/2,1/1,C/2,Dc/2,Ex/2
2031 AM S3	**66**		4	1	C4/2,C2/2,1/1,C/2,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**67**		4	2	C4/2,C2/2,1/1,C/2,Dc/3,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	**68**		5	3	C5/1,Cx3/1
2031 AM S3	**69**		5	7	C5/1,C2/1,1/1,C/1,Dc/1,Ex/1
2031 AM S3	**70**		5	6	C5/1,C2/1,1/1,C/1,Dx/1,Dx1/1
2031 AM S3	**71**		5	1	C5/1,C2/1,1/1,C/2,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**72**		5	7	C5/1,C2/1,1/1,C/2,Dc/2,Ex/2

2031 AM S3	**73**		5	1	C5/1,C2/1,1/1,C/2,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**74**		5	2	C5/1,C2/1,1/1,C/2,Dc/3,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	**75**		5	4	C5/1,Cx4-2/2
2031 AM S3	**76**		1	2	Fx/2,Fx1/1,4/2,A/2,Bc/1,Bx/1,3/1
2031 AM S3	**77**		1	3	Fx/2,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx3/1
2031 AM S3	**78**		1	4	Fx/2,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx4-2/1
2031 AM S3	**79**		1	5	Fx/2,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx5/1
2031 AM S3	**80**		1	4	Fx/2,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx4-2/2
2031 AM S3	**81**		1	7	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cc/1,Dc/1,Ex/1
2031 AM S3	**82**		1	6	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 AM S3	**83**		1	3	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx3/1
2031 AM S3	**84**		1	4	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx4-2/1
2031 AM S3	**85**		1	5	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx5/1
2031 AM S3	**86**		1	4	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx4-2/2
2031 AM S3	**87**		1	6	Fx/2,Fx1/2,4/4,A/4,Bc/3,Bc3/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 AM S3	**88**		1	1	Fx/2,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**89**		1	7	Fx/2,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 AM S3	**90**		1	1	Fx/2,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**91**		1	6	Fx/2,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 AM S3	**92**		1	2	Fx/1,Fx1/1,4/2,A/2,Bc/1,Bx/1,3/1
2031 AM S3	**93**		1	3	Fx/1,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx3/1
2031 AM S3	**94**		1	4	Fx/1,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx4-2/1
2031 AM S3	**95**		1	5	Fx/1,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx5/1
2031 AM S3	**96**		1	4	Fx/1,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx4-2/2
2031 AM S3	**97**		1	7	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cc/1,Dc/1,Ex/1
2031 AM S3	**98**		1	6	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 AM S3	**99**		1	3	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx3/1
2031 AM S3	**100**		1	4	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx4-2/1
2031 AM S3	**101**		1	5	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx5/1
2031 AM S3	**102**		1	4	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx4-2/2
2031 AM S3	**103**		1	6	Fx/1,Fx1/2,4/4,A/4,Bc/3,Bc3/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 AM S3	**104**		1	1	Fx/1,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**105**		1	7	Fx/1,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 AM S3	**106**		1	1	Fx/1,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**107**		1	6	Fx/1,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dx/3,Dx1/2

Normal Path Flows

OD Matrix	Path	Permitted Flow Type	Allocation Type	Fixed Flow (PCU/hr)
2031 AM S3	**1**	✓	Normal	
2031 AM S3	**2**	✓	Normal	
2031 AM S3	**3**	✓	Normal	
2031 AM S3	**4**	✓	Normal	
2031 AM S3	**5**	✓	Normal	
2031 AM S3	**6**	✓	Normal	
2031 AM S3	**7**	✓	Normal	
2031 AM S3	**8**	✓	Normal	
2031 AM S3	**9**	✓	Normal	
2031 AM S3	**10**	✓	Normal	
2031 AM S3	**11**	✓	Normal	
2031 AM S3	**12**	✓	Normal	
2031 AM S3	**13**	✓	Normal	

2031 AM S3	**14**	✓	Normal	
2031 AM S3	**15**	✓	Normal	
2031 AM S3	**16**	✓	Normal	
2031 AM S3	**17**	✓	Normal	
2031 AM S3	**18**	✓	Normal	
2031 AM S3	**19**	✓	Normal	
2031 AM S3	**20**	✓	Normal	
2031 AM S3	**21**	✓	Fixed	0
2031 AM S3	**22**	✓	Normal	
2031 AM S3	**23**	✓	Disabled	
2031 AM S3	**24**	✓	Normal	
2031 AM S3	**25**	✓	Normal	
2031 AM S3	**26**	✓	Normal	
2031 AM S3	**27**	✓	Normal	
2031 AM S3	**28**	✓	Normal	
2031 AM S3	**29**	✓	Normal	
2031 AM S3	**30**	✓	Normal	
2031 AM S3	**31**	✓	Normal	
2031 AM S3	**32**	✓	Normal	
2031 AM S3	**33**	✓	Normal	
2031 AM S3	**34**	✓	Normal	
2031 AM S3	**35**	✓	Normal	
2031 AM S3	**36**	✓	Normal	
2031 AM S3	**37**	✓	Normal	
2031 AM S3	**38**	✓	Normal	
2031 AM S3	**39**	✓	Normal	
2031 AM S3	**40**	✓	Normal	
2031 AM S3	**41**	✓	Normal	
2031 AM S3	**42**	✓	Normal	
2031 AM S3	**43**	✓	Normal	
2031 AM S3	**44**	✓	Normal	
2031 AM S3	**45**	✓	Normal	
2031 AM S3	**46**	✓	Normal	
2031 AM S3	**47**	✓	Normal	
2031 AM S3	**48**	✓	Normal	
2031 AM S3	**49**	✓	Normal	
2031 AM S3	**50**	✓	Normal	
2031 AM S3	**51**	✓	Normal	
2031 AM S3	**52**	✓	Normal	
2031 AM S3	**53**	✓	Normal	
2031 AM S3	**54**	✓	Normal	
2031 AM S3	**55**	✓	Normal	
2031 AM S3	**56**	✓	Normal	
2031 AM S3	**57**	✓	Normal	
2031 AM S3	**58**	✓	Fixed	0
2031 AM S3	**59**	✓	Normal	
2031 AM S3	**60**	✓	Normal	
2031 AM S3	**61**	✓	Normal	
2031 AM S3	**62**	✓	Normal	

2031 AM S3	**63**	✓	Normal	
2031 AM S3	**64**	✓	Normal	
2031 AM S3	**65**	✓	Normal	
2031 AM S3	**66**	✓	Normal	
2031 AM S3	**67**	✓	Normal	
2031 AM S3	**68**	✓	Normal	
2031 AM S3	**69**	✓	Normal	
2031 AM S3	**70**	✓	Normal	
2031 AM S3	**71**	✓	Normal	
2031 AM S3	**72**	✓	Normal	
2031 AM S3	**73**	✓	Normal	
2031 AM S3	**74**	✓	Normal	
2031 AM S3	**75**	✓	Normal	
2031 AM S3	**76**	✓	Normal	
2031 AM S3	**77**	✓	Normal	
2031 AM S3	**78**	✓	Normal	
2031 AM S3	**79**	✓	Normal	
2031 AM S3	**80**	✓	Normal	
2031 AM S3	**81**	✓	Normal	
2031 AM S3	**82**	✓	Normal	
2031 AM S3	**83**	✓	Normal	
2031 AM S3	**84**	✓	Normal	
2031 AM S3	**85**	✓	Normal	
2031 AM S3	**86**	✓	Normal	
2031 AM S3	**87**	✓	Normal	
2031 AM S3	**88**	✓	Normal	
2031 AM S3	**89**	✓	Normal	
2031 AM S3	**90**	✓	Normal	
2031 AM S3	**91**	✓	Normal	
2031 AM S3	**92**	✓	Normal	
2031 AM S3	**93**	✓	Normal	
2031 AM S3	**94**	✓	Normal	
2031 AM S3	**95**	✓	Normal	
2031 AM S3	**96**	✓	Normal	
2031 AM S3	**97**	✓	Normal	
2031 AM S3	**98**	✓	Normal	
2031 AM S3	**99**	✓	Normal	
2031 AM S3	**100**	✓	Normal	
2031 AM S3	**101**	✓	Normal	
2031 AM S3	**102**	✓	Normal	
2031 AM S3	**103**	✓	Normal	
2031 AM S3	**104**	✓	Normal	
2031 AM S3	**105**	✓	Normal	
2031 AM S3	**106**	✓	Normal	
2031 AM S3	**107**	✓	Normal	

Signal Timings

Network Default: 88s cycle time; 88 steps

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	✓	✓	None		

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	25,71

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	81	25	32	1	7
2	2	✓	2	B,C	30	71	41	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	✓	81	25	32
2	B	1	✓	30	76	46
2	C	1	✓	30	71	41

Intergreen Matrix for Controller Stream 2

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

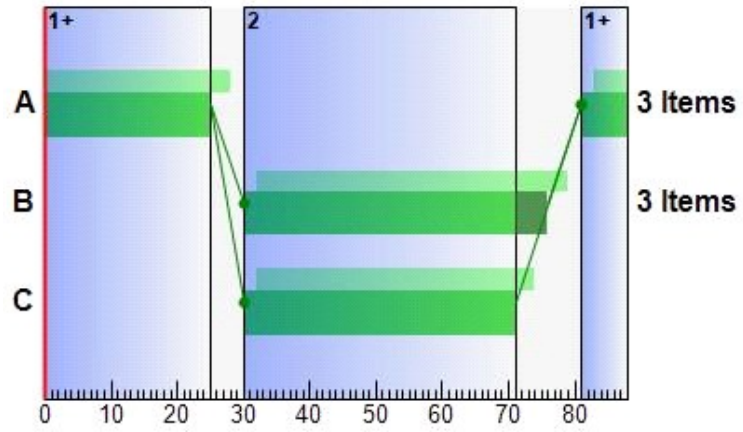
Interstage Matrix for Controller Stream 2

		To	
		1	2
From	1	0	5
	2	10	0

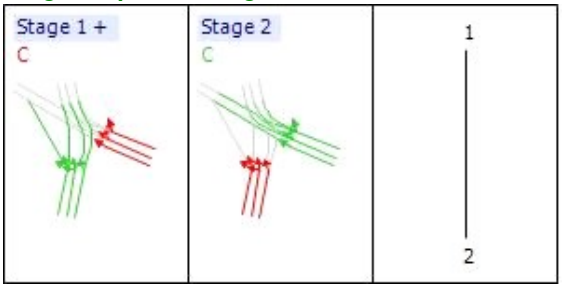
Banned Stage transitions for Controller Stream 2

		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	✓	✓	None		

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
3	2	Losing	A	1	2	4

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
3	1	(untitled)	Single	1,2	39,9

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	23	39	16	1	3
3	2	✓	2	B,C	48	9	49	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	✓	23	43	20
3	B	1	✓	48	18	58
3	C	1	✓	48	9	49

Intergreen Matrix for Controller Stream 3

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

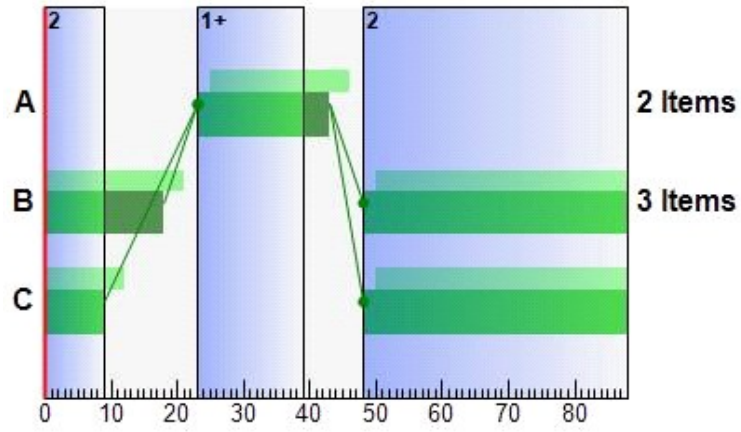
Interstage Matrix for Controller Stream 3

		To	
		1	2
From	1	0	9
	2	14	0

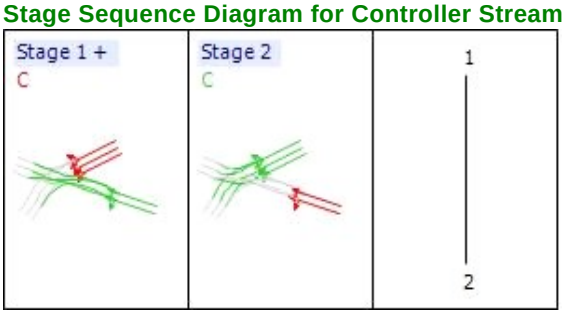
Banned Stage transitions for Controller Stream 3

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 3



Stage Sequence Diagram for Controller Stream 3



Controller Stream 4

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

Controller Stream 4 - Properties

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

Controller Stream 4 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
4	✓	✓	None		

Phases

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

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
4	1	A,B,D	1
4	2	C	1
4	3	E	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
4	1	(untitled)	Single	1,3,2	40,52,82
4	2	(untitled)	Single	1,2,3	0,29,53

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)
4	1	✓	1	A,B,D	0	40	40	1	7
4	2	✓	3	E	45	52	7	1	5
4	3	✓	2	C	64	82	18	1	7

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
4	A	1	✓	0	40	40
4	B	1	✓	0	40	40
4	C	1	✓	64	82	18
4	D	1	✓	87	40	41
4	E	1	✓	45	52	7

Intergreen Matrix for Controller Stream 4

		To				
		A	B	C	D	E
From	A			8		5
	B			7		5
	C	6	6		5	5
	D			8		5
	E	12	12	12	12	

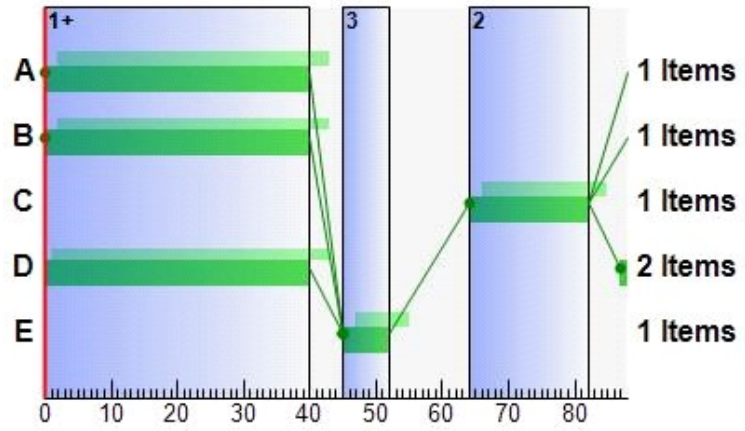
Interstage Matrix for Controller Stream 4

		To		
		1	2	3
From	1	0	8	5
	2	6	0	5
	3	12	12	0

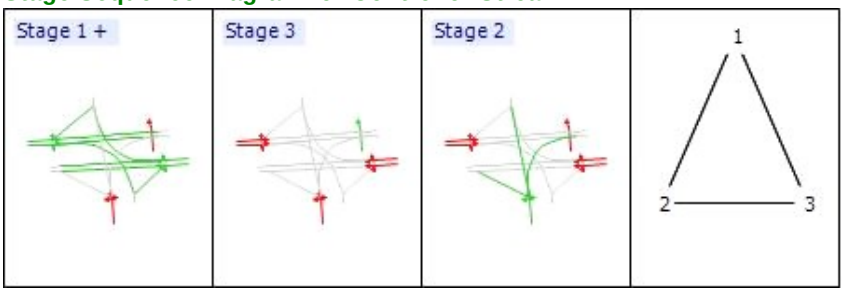
Banned Stage transitions for Controller Stream 4

		To		
		1	2	3
From	1			
	2			
	3			

Phase Timings Diagram for Controller Stream 4



Stage Sequence Diagram for Controller Stream 4



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	✓	✓	None		

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	53,63

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	74	53	67	1	7
5	**2**	✓	2	B	58	63	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**	✓	74	53	67
5	**B**	**1**	✓	58	63	5

Intergreen Matrix for Controller Stream 5

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

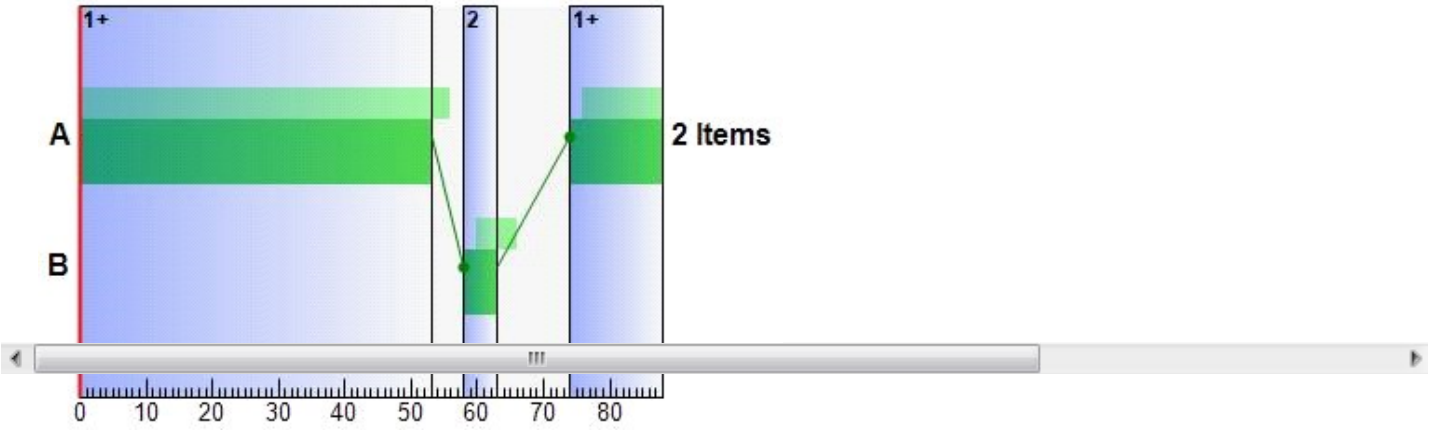
Interstage Matrix for Controller Stream 5

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

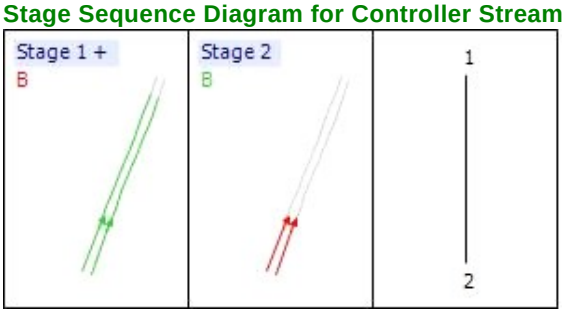
Banned Stage transitions for Controller Stream 5

		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	✓	✓	None		

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	54,64

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	72	54	70	1	7
6	**2**	✓	2	B	59	64	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**	✓	72	54	70
6	**B**	**1**	✓	59	64	5

Intergreen Matrix for Controller Stream 6

		To	
		A	B
From	A		5
	B	8	

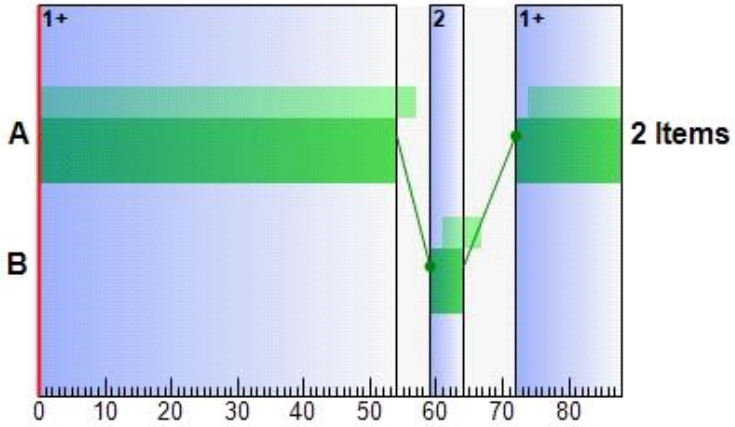
Interstage Matrix for Controller Stream 6

		To	
		1	2
From	1	0	5
	2	8	0

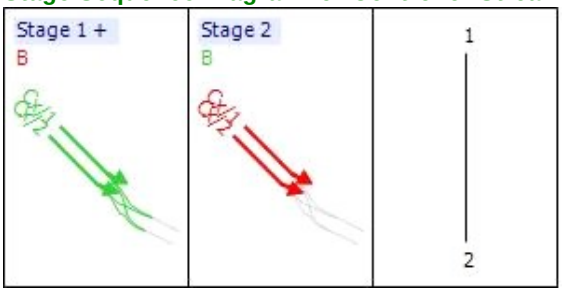
Banned Stage transitions for Controller Stream 6

		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	✓	✓	None		

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	15,25

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	35	15	68	1	7
7	2	✓	2	B	20	25	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	✓	35	15	68
7	B	1	✓	20	25	5

Intergreen Matrix for Controller Stream 7

		To	
		A	B
From	A		5
	B	10	

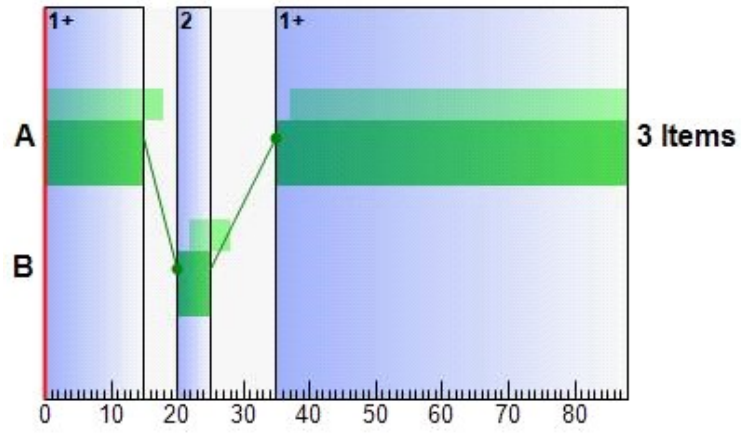
Interstage Matrix for Controller Stream 7

		To	
		1	2
From	1	0	5
	2	10	0

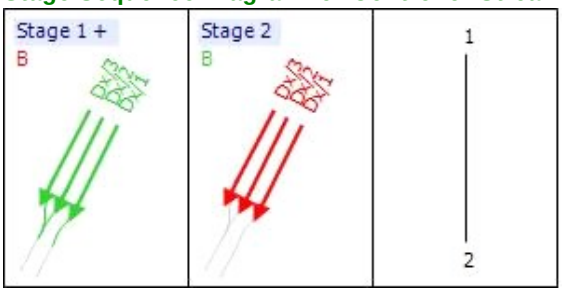
Banned Stage transitions for Controller Stream 7

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 7



Stage Sequence Diagram for Controller Stream 7



Controller Stream 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	✓	✓	None		

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
9	**C**	(untitled)	5	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,C	1

Losing/ Gaining delays at each Controller Stream

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
9	1	(untitled)	Single	1,2	45,27

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	34	45	11	1	7
9	2	✓	2	B,C	50	27	65	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
9	A	1	✓	34	45	11
9	B	1	✓	50	29	67
9	C	1	✓	50	27	65

Intergreen Matrix for Controller Stream 9

		To		
		A	B	C
From	A		5	5
	B	5		
	C	7		

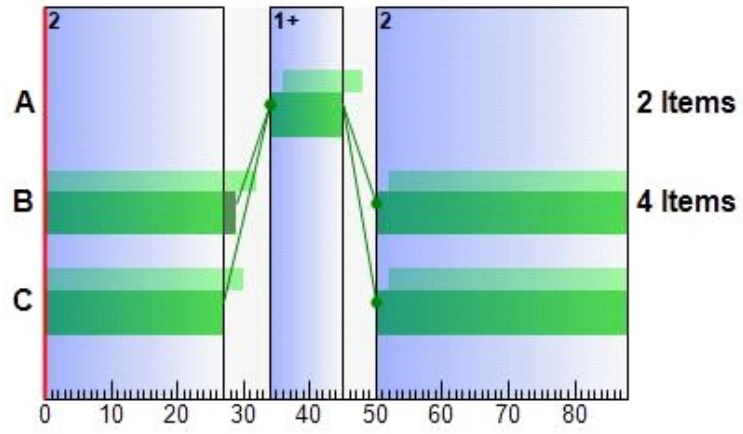
Interstage Matrix for Controller Stream 9

		To	
		1	2
From	1	0	5
	2	7	0

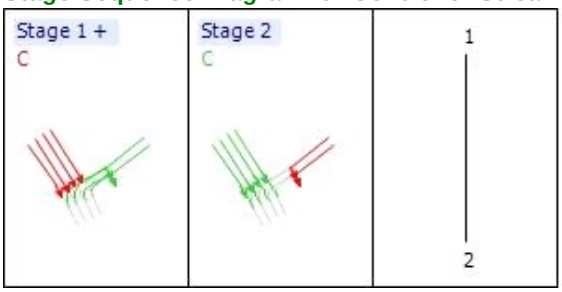
Banned Stage transitions for Controller Stream 9

		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	✓	✓	None		

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)	5	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	69,79

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)
10	**1**	✓	1	A	84	69	73	1	7
10	**2**	✓	2	B	74	79	5	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
10	**A**	**1**	✓	84	69	73
10	**B**	**1**	✓	74	79	5

Intergreen Matrix for Controller Stream 10

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

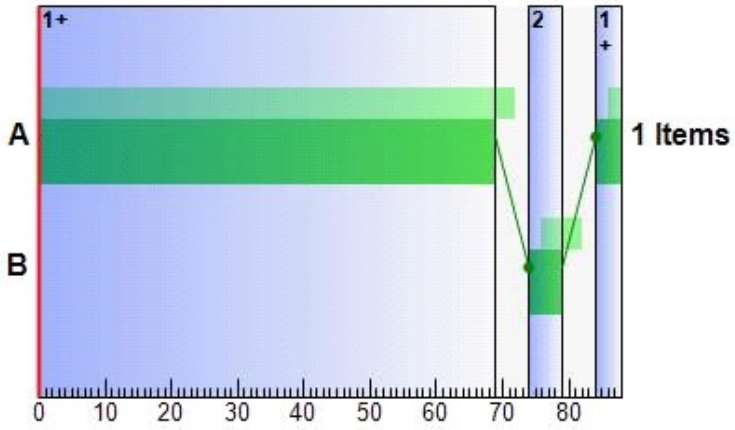
Interstage Matrix for Controller Stream 10

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

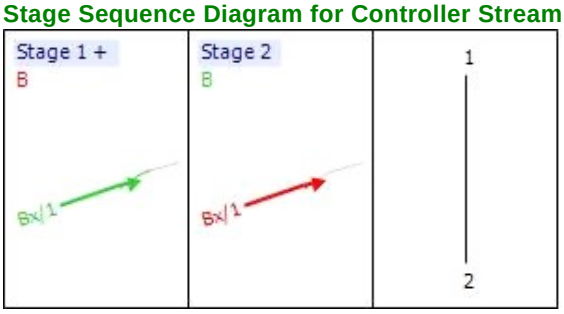
Banned Stage transitions for Controller Stream 10

		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	✓	✓	None		

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)	5	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	15,25

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	39	15	64	1	7
11	**2**	✓	2	B	20	25	5	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
11	**A**	**1**	✓	39	15	64
11	**B**	**1**	✓	20	25	5

Intergreen Matrix for Controller Stream 11

		To	
		A	B
From	A		5
	B	14	

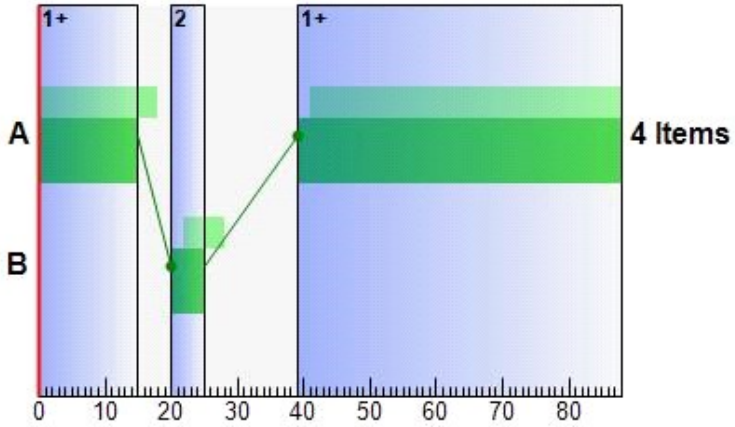
Interstage Matrix for Controller Stream 11

		To	
		1	2
From	1	0	5
	2	14	0

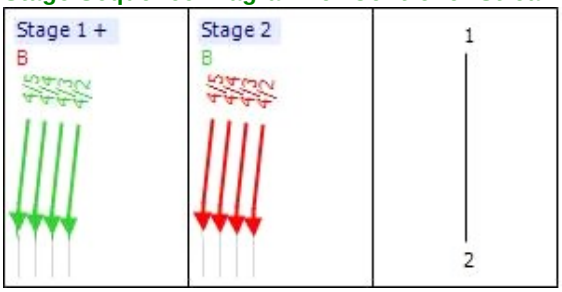
Banned Stage transitions for Controller Stream 11

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 11



Stage Sequence Diagram for Controller Stream 11



Controller Stream 12

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
12	Walmley Ash Rd		1	NetworkDefault	88

Controller Stream 12 - Properties

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

Controller Stream 12 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
12	✓	✓	None		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
12	A	(untitled)	7	300	0	0	Traffic
12	B	(untitled)	7	300	0	0	Traffic

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
12	1	A	7
12	2	B	7

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
12	1	(untitled)	Single	1,2	84,52

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)
12	1	✓	1	A	57	84	27	7	7
12	2	✓	2	B	1	52	51	7	7

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
12	A	1	✓	57	84	27
12	B	1	✓	1	52	51

Intergreen Matrix for Controller Stream 12

		To	
		A	B
From	A		5
	B	5	

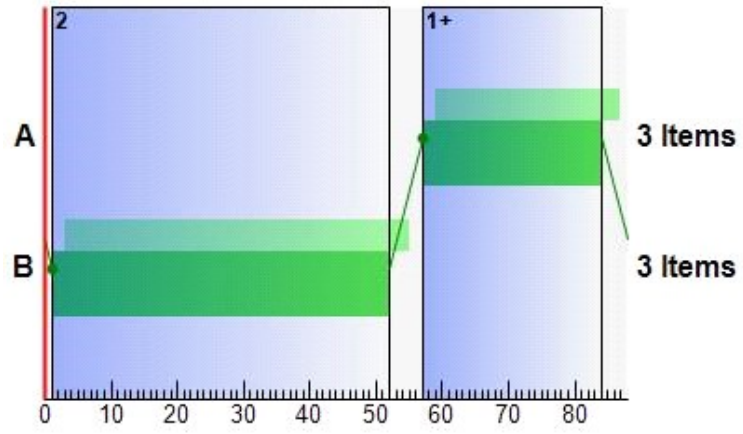
Interstage Matrix for Controller Stream 12

		To	
		1	2
From	1	0	5
	2	5	0

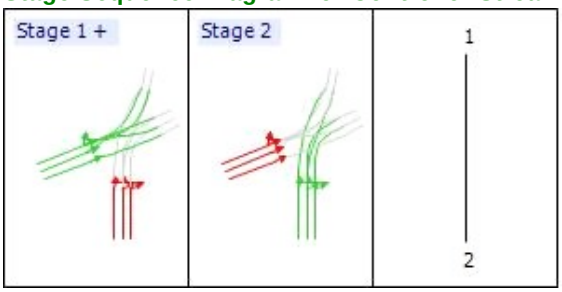
Banned Stage transitions for Controller Stream 12

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 12



Stage Sequence Diagram for Controller Stream 12



Final Prediction Table

Link Results

			SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES		W
Link	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 Queue (PCU)	Delay Weightin (%)
1 P	(untitled)	23	4	E	0 <	0	0	0.00	0	0	41.71	40.71	0.00	11.45 +	11.45	100

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUE
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)
1	1	(untitled)	25			1513	1800	88	7.00	84	7	34.71	11.43	69.85	30.93
3	1	(untitled)				1149	2128	88	0.00	54	67	21.87	0.99	0.00	0.32
4	2	(untitled)	28	11	A	360	2279	64	0.00	21	321	8.34	3.87	28.12	2.73
4	3	A38 North Entry	28	11	A	362	2279	64	30.00	22	319	11.07	3.87	29.29	2.74
4	4	(untitled)	28	11	A	360	2279	64	30.00	21	321	8.34	3.87	28.12	2.73
4	5	(untitled)	28	11	A	362	2279	64	65.00	22	319	11.07	3.87	29.29	2.74
A	2	(untitled)	1			360	691	88	66.00	52	73	8.48	4.88	41.44	4.48

A	**3**	A38 North Entry	1			362 <	475	88	23.00	76	18	18.85	15.25	99.06	8.22 +
A	**4**	(untitled)	1			360 <	475	88	15.00	76	19	18.47	14.87	97.12	8.15 +
A	**5**	(untitled)	1			362 <	361	88	16.00	100!	-10	113.66	110.06	174.47	18.15 +
B	**1**	(untitled)	10	9	A	222	1940	11	0.00	84	7	89.36	68.48	126.88	7.18
B	**2**	(untitled)	10	9	A	238	2080	11	0.00	84	7	87.44	66.56	125.04	7.57
C	**1**	(untitled)	3	3	A	680	3312 f	20	4.00	86	5	59.71	44.80	108.60	18.42
C	**2**	(untitled)	3	3	A	833 <	3463 f	20	0.00	101!	-11	115.91	101.00	162.21	35.72 +
D	**1**	(untitled)	4	2	A	687	2126	32	0.00	86	4	55.43	38.65	101.42	17.99
D	**2**	(untitled)	4	2	A	739	2284	32	33.00	86	4	54.68	37.90	100.69	19.19
D	**3**	(untitled)	4	2	A	479	2284	32	8.00	56	61	41.19	24.41	77.47	9.53
E	**1**	(untitled)	5	12	A	651 <	1930	27	0.00	106!	-15	178.59	163.68	212.92	39.32 +
E	**2**	(untitled)	5	12	A	699 <	2070	27	0.00	106!	-15	178.27	163.36	212.91	42.15 +
E	**3**	(untitled)	5	12	A	699 <	2070	27	0.00	106!	-15	178.27	163.36	212.91	42.15 +
Ac	**1**	(untitled)	1			1425	2112	88	66.00	67	33	5.79	1.76	0.00	0.70
Ac	**2**	(untitled)	1			1138	2263	88	31.00	50	79	4.83	0.80	0.00	0.25
Ac	**3**	(untitled)	1			659	2263	88	71.00	29	209	4.35	0.33	0.00	0.06
Ax	**1**	(untitled)	8	5	A	605	1965	67	7.00	40	126	3.07	1.96	13.34	2.18
Ax	**2**	(untitled)	8	5	A	300	2105	67	3.00	18	387	3.70	2.58	23.32	2.07
Ax2	**1**	A38 North Exit	17			605	1800	88	14.00	34	168	10.11	0.51	0.00	0.09
Ax2	**2**	A38 North Exit	17			300	1800	88	14.00	17	439	9.80	0.20	0.00	0.02
Bc	**1**	(untitled)	6			1785 <	1915	88	0.00	93!	-3	17.53	14.05	67.12	42.10 +
Bc	**2**	(untitled)	6			1126 <	2055	88	6.00	55	64	5.12	1.41	15.40	10.90 +
Bc	**3**	(untitled)	6			734	2055	88	13.00	36	152	4.51	0.49	0.00	0.10
Bc	**4**	(untitled)	6			1019 <	2055	88	8.00	50	81	4.84	1.07	10.59	15.78 +
Bc1	**1**	(untitled)	2			718	1800	88	2.00	40	126	8.01	0.66	0.00	0.13
Bc1	**2**	(untitled)	2			1266	2055	88	0.00	62	46	8.75	1.40	0.00	0.49
Bc1	**3**	(untitled)	2			837	1800	88	1.00	47	94	8.22	0.87	0.00	0.20
Bc1	**4**	(untitled)	2			1154	2055	88	6.00	56	60	8.47	1.12	0.00	0.36
Bc3	**1**	(untitled)	10	9	B	636	1915	67	0.00	43	109	2.52	1.00	1.52	0.24
Bc3	**2**	(untitled)	10	9	B	1126	2055	67	0.00	71	27	5.35	3.84	11.09	3.42
Bc3	**3**	(untitled)	10	9	B	734	2055	67	0.00	46	95	2.88	1.37	4.42	1.00
Bc3	**4**	(untitled)	10	9	B	1019 <	2055	67	0.00	64	40	5.11	3.60	17.47	4.89 +
Bx	**1**	(untitled)	27	10	A	1149	2128	73	0.00	64	40	2.97	1.97	4.05	1.21
C2	**1**	(untitled)	9			849	1800	88	7.00	47	91	24.17	0.89	0.00	0.21
C2	**2**	(untitled)	9			664	1800	88	29.00	37	144	23.94	0.66	4.13	5.70
C3-1	**1**	(untitled)	23			0	0	88	88.00	0	-100	0.00	0.00	0.00	0.00
C4	**1**	(untitled)	23	4	D	609	1887	41	0.00	68	33	28.35	21.89	77.55	12.03
C4	**2**	(untitled)	23	4	D	664	2055	41	0.00	68	33	28.03	21.58	77.21	13.06
C5	**1**	(untitled)	23	4	C	332	1906	18	0.00	81	12	54.09	49.99	110.21	9.24
Cc	**1**	(untitled)	3	3	B	372	2059	58	11.00	27	234	9.22	4.37	23.62	2.44

Cc	**2**	(untitled)	3	3	B	837	2209	58	0.00	57	59	9.23	4.39	18.97	4.43
Cc	**3**	(untitled)	3	3	B	1154 <	2181	58	0.00	79	14	12.13	7.28	22.63	7.18 +
Cx	**1**	A4097 Kinsbury Road Exit	24	6	A	718	2120	70	0.00	42	114	7.17	1.57	9.13	2.03
Cx	**2**	A4097 Kinsbury Road Exit	24	6	A	894	2120	70	0.00	52	72	7.72	2.12	10.04	2.43
Cx 2	**1**	(untitled)	23	4	A	732	1915	40	0.00	82	10	59.98	29.11	73.65	13.81
Cx 2	**2**	(untitled)	23	4	B	879	2055	40	0.00	92!	-2	72.05	41.18	101.29	23.49
Cx3	**1**	(untitled)				0	1800	88	88.00	0	Unrestricted	0.00	0.00	0.00	0.00
Cx4-2	**1**	(untitled)				732	1800	88	41.00	41	121	6.74	0.97	13.68	10.77
Cx4-2	**2**	(untitled)				551	1800	88	28.00	31	194	6.21	0.44	0.00	0.07
Cx5	**1**	(untitled)				420	1800	88	42.00	23	286	4.97	0.30	0.00	0.04
Dc	**1**	(untitled)	4	2	B	344	2059	46	1.00	31	188	10.59	3.88	23.95	3.53
Dc	**2**	(untitled)	4	2	B	595	2172	46	0.00	51	75	14.44	7.73	42.73	8.83
Dc	**3**	(untitled)	4	2	B	496	2185	46	47.00	43	112	8.51	1.80	30.74	10.03
Dx	**1**	(untitled)	7	7	A	708 <	1915	68	0.00	47	91	11.53	8.40	67.23	13.01 +
Dx	**2**	(untitled)	7	7	A	837	2055	68	11.00	52	73	6.51	3.38	15.27	2.75
Dx	**3**	(untitled)	7	7	A	889	2055	68	10.00	55	63	7.32	4.19	16.64	3.62
Dx1	**1**	A38 South Exit				708	2155	88	13.00	33	174	14.39	0.41	0.00	0.08
Dx1	**2**	A38 South Exit				1726	2155	88	2.00	80	12	19.97	5.98	49.05	23.09
Ec	**1**	(untitled)	5	12	B	482	1985	51	5.00	41	119	6.87	3.14	21.48	3.58
Ec	**2**	(untitled)	5	12	B	1235 <	2125	51	0.00	98!	-9	46.12	42.40	128.36	32.25 +
Ec	**3**	(untitled)	5	12	B	479 <	2125	51	21.00	38	136	8.37	4.64	68.93	10.22 +
Ex	**1**	(untitled)				702	1800	88	2.00	39	131	8.10	0.64	0.80	1.13
Ex	**2**	(untitled)				443	1800	88	35.00	25	266	7.78	0.33	0.00	0.04
Fx	**1**	(untitled)	20			722	2112	88	0.00	34	163	22.07	0.44	0.00	0.09
Fx	**2**	(untitled)	20			722	2263	88	0.00	32	182	22.00	0.37	0.00	0.07
Fx1	**1**	(untitled)	22			722	1800	88	0.00	40	124	8.13	0.67	0.00	0.13
Fx1	**2**	(untitled)	22			722	1800	88	0.00	40	124	8.13	0.67	0.00	0.13

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	6598.29	367.56	17.95	88.76	147.47	2132.22	562.11	1195.17	3889.50
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)	6641.61	383.58	17.31	91.40	159.41	2215.01	565.84	1195.17	3976.02

- *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***

Link Results

Link Results: Flows And Signals

Time Segment	Link	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	**1**	500	500	0		10000	909	55		64	0.00	7	8

Link Results: Stops And Delays

Time Segment	Link	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	**1**	1.00	40.71	5.32	0.33	80.28	80.28	0.00	0.00	0.00	0.00	0.00

Link Results: Queues And Blocking

Time Segment	Link	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	**1**	0.00	11.45	10.00	114.46	0.09	0.00	0.00	0.33	11.45	0.00	0.00	0.00	

Link Results: Advanced

Time Segment	Link	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)	Performance Index (£ per hr)
08:00-09:00	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	11.45	0.34	11.45	0.00	80.28	80.28

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	1	1	84	7	1513	1800	88	11.43	30.93	56.96	68.19	34.32	102.51
08:00-09:00	3	1	54	67	1149	2128	88	0.99	0.32	0.65	4.50	0.00	4.50
08:00-09:00	4	2	21	321	360	2279	64	3.87	2.73	26.15	5.49	3.29	8.78
08:00-09:00	4	3	22	319	362	2279	64	3.87	2.74	26.30	5.53	1.33	6.86
08:00-09:00	4	4	21	321	360	2279	64	3.87	2.73	26.15	5.49	3.29	8.78
08:00-09:00	4	5	22	319	362	2279	64	3.87	2.74	26.30	5.53	1.33	6.86
08:00-09:00	A	2	52	73	360	691	88	4.88	4.48	85.88	2.77	0.37	3.15
08:00-09:00	A	3	76	18	362	475	88	15.25	8.22	157.50	8.71	0.90	9.61
08:00-09:00	A	4	76	19	360	475	88	14.87	8.15	156.15	8.45	0.88	9.32
08:00-09:00	A	5	100!	-10	362	361	88	110.06	18.15	347.90	62.86	1.58	64.44
08:00-09:00	B	1	84	7	222	1940	11	68.48	7.18	14.74	35.98	1.83	37.81
08:00-09:00	B	2	84	7	238	2080	11	66.56	7.57	15.54	37.49	1.93	39.43
08:00-09:00	C	1	86	5	680	3312	20	44.80	18.42	52.97	48.06	0.00	48.06
08:00-09:00	C	2	101!	-11	833	3463	20	101.00	35.72	102.69	132.74	0.00	132.74
08:00-09:00	D	1	86	4	687	2126	32	38.65	17.99	34.47	41.89	0.00	41.89
08:00-09:00	D	2	86	4	739	2284	32	37.90	19.19	36.78	44.19	0.00	44.19
08:00-09:00	D	3	56	61	479	2284	32	24.41	9.53	18.27	18.45	0.00	18.45
08:00-09:00	E	1	106!	-15	651	1930	27	163.68	39.32	113.05	168.12	42.46	210.58
08:00-09:00	E	2	106!	-15	699	2070	27	163.36	42.15	121.17	180.17	45.54	225.70
08:00-09:00	E	3	106!	-15	699	2070	27	163.36	42.15	121.17	180.17	45.54	225.70
08:00-09:00	Ac	1	67	33	1425	2112	88	1.76	0.70	9.96	9.90	0.00	9.90

08:00-09:00	Ac	2	50	79	1138	2263	88	0.80	0.25	3.63	3.60	0.00	3.60
08:00-09:00	Ac	3	29	209	659	2263	88	0.33	0.06	0.85	0.85	0.00	0.85
08:00-09:00	Ax	1	40	126	605	1965	67	1.96	2.18	62.65	4.67	4.66	9.33
08:00-09:00	Ax	2	18	387	300	2105	67	2.58	2.07	59.53	3.06	4.05	7.11
08:00-09:00	Ax2	1	34	168	605	1800	88	0.51	0.09	0.61	1.21	0.00	1.21
08:00-09:00	Ax2	2	17	439	300	1800	88	0.20	0.02	0.12	0.24	0.00	0.24
08:00-09:00	Bc	1	93!	-3	1785	1915	88	14.05	42.10	582.55	98.94	34.02	132.96
08:00-09:00	Bc	2	55	64	1126	2055	88	1.41	10.90	150.87	6.26	5.18	11.44
08:00-09:00	Bc	3	36	152	734	2055	88	0.49	0.10	1.37	1.41	0.00	1.41
08:00-09:00	Bc	4	50	81	1019	2055	88	1.07	15.78	218.36	4.31	3.40	7.71
08:00-09:00	Bc1	1	40	126	718	1800	88	0.66	0.13	0.77	1.88	0.00	1.88
08:00-09:00	Bc1	2	62	46	1266	2055	88	1.40	0.49	2.87	6.99	0.00	6.99
08:00-09:00	Bc1	3	47	94	837	1800	88	0.87	0.20	1.18	2.87	0.00	2.87
08:00-09:00	Bc1	4	56	60	1154	2055	88	1.12	0.36	2.10	5.10	0.00	5.10
08:00-09:00	Bc3	1	43	109	636	1915	67	1.00	0.24	6.72	2.52	0.31	2.83
08:00-09:00	Bc3	2	71	27	1126	2055	67	3.84	3.42	96.69	17.04	4.05	141.45
08:00-09:00	Bc3	3	46	95	734	2055	67	1.37	1.00	28.28	3.97	1.05	5.02
08:00-09:00	Bc3	4	64	40	1019	2055	67	3.60	4.89	138.58	14.47	5.78	293.67
08:00-09:00	Bx	1	64	40	1149	2128	73	1.97	1.21	69.33	8.95	0.84	9.79
08:00-09:00	C2	1	47	91	849	1800	88	0.89	0.21	0.39	2.99	0.00	2.99
08:00-09:00	C2	2	37	144	664	1800	88	0.66	5.70	10.49	1.73	0.89	2.62
08:00-09:00	C3-1	1	0	-100	0	0	88	0.00	0.00	0.00	0.00	0.00	0.00
08:00-09:00	C4	1	68	33	609	1887	41	21.89	12.03	79.88	52.58	15.34	67.91
08:00-09:00	C4	2	68	33	664	2055	41	21.58	13.06	86.70	56.51	16.65	73.16
08:00-09:00	C5	1	81	12	332	1906	18	49.99	9.24	96.63	65.46	11.88	77.34
08:00-09:00	Cc	1	27	234	372	2059	58	4.37	2.44	40.60	6.41	2.85	9.27
08:00-09:00	Cc	2	57	59	837	2209	58	4.39	4.43	73.83	14.49	5.16	19.64
08:00-09:00	Cc	3	79	14	1154	2181	58	7.28	7.18	119.74	33.16	8.48	44.18
08:00-09:00	Cx	1	42	114	718	2120	70	1.57	2.03	11.69	4.46	3.78	8.24
08:00-09:00	Cx	2	52	72	894	2120	70	2.12	2.43	13.99	7.48	5.18	12.66

08:00-09:00	Cx 2	1	82	10	732	1915	40	29.11	13.81	19.18	84.06	17.51	101.56
08:00-09:00	Cx 2	2	92!	-2	879	2055	40	41.18	23.49	32.62	142.83	28.92	171.76
08:00-09:00	Cx3	1	0	Unrestricted	0	1800	88	0.00	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Cx4-2	1	41	121	732	1800	88	0.97	10.77	79.98	2.79	3.25	6.04
08:00-09:00	Cx4-2	2	31	194	551	1800	88	0.44	0.07	0.50	0.96	0.00	0.96
08:00-09:00	Cx5	1	23	286	420	1800	88	0.30	0.04	0.33	0.50	0.00	0.50
08:00-09:00	Dc	1	31	188	344	2059	46	3.88	3.53	22.53	52.67	26.76	79.42
08:00-09:00	Dc	2	51	75	595	2172	46	7.73	8.83	56.39	18.16	8.26	26.42
08:00-09:00	Dc	3	43	112	496	2185	46	1.80	10.03	64.08	3.53	4.95	8.48
08:00-09:00	Dx	1	47	91	708	1915	68	8.40	13.01	133.59	23.45	27.48	50.93
08:00-09:00	Dx	2	52	73	837	2055	68	3.38	2.75	28.28	11.16	7.38	18.54
08:00-09:00	Dx	3	55	63	889	2055	68	4.19	3.62	37.16	14.70	8.54	23.24
08:00-09:00	Dx1	1	33	174	708	2155	88	0.41	0.08	0.18	1.14	0.00	1.14
08:00-09:00	Dx1	2	80	12	1726	2155	88	5.98	23.09	53.11	40.75	48.88	89.63
08:00-09:00	Ec	1	41	119	482	1985	51	3.14	3.58	41.11	5.97	3.36	9.33
08:00-09:00	Ec	2	98!	-9	1235	2125	51	42.40	32.25	370.92	206.55	51.49	1033.19
08:00-09:00	Ec	3	38	136	479	2125	51	4.64	10.22	117.53	8.77	10.72	43.19
08:00-09:00	Ex	1	39	131	702	1800	88	0.64	1.13	6.52	1.77	0.18	1.96
08:00-09:00	Ex	2	25	266	443	1800	88	0.33	0.04	0.23	0.57	0.00	0.57
08:00-09:00	Fx	1	34	163	722	2112	88	0.44	0.09	0.18	1.26	0.00	1.26
08:00-09:00	Fx	2	32	182	722	2263	88	0.37	0.07	0.15	1.06	0.00	1.06
08:00-09:00	Fx1	1	40	124	722	1800	88	0.67	0.13	0.77	1.91	0.00	1.91
08:00-09:00	Fx1	2	40	124	722	1800	88	0.67	0.13	0.77	1.91	0.00	1.91

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))	Eff Gr (c
08:00-09:00	1	1	1513	1513	-2	✓	1800	1800	84		7	0.52	88	
08:00-09:00	3	1	1149	1149	4	✓	2128	2128	54		67	0.52	88	
08:00-09:00	4	2	360	360	1		2279	1683	21		321	0.00	64	
08:00-09:00	4	3	362	362	-2		2279	1683	22		319	0.00	64	

08:00-09:00	4	4	360	360	1		2279	1683	21		321	0.00	64	
08:00-09:00	4	5	362	362	-2		2279	1683	22		319	0.00	64	
08:00-09:00	A	2	360	360	1		691	691	52		73	0.50	88	
08:00-09:00	A	3	362	362	-2		475	475	76		18	0.50	88	
08:00-09:00	A	4	360	360	1		475	475	76		19	0.50	88	
08:00-09:00	A	5	362	361	-2		361	361	100!	✓	-10	0.50	88	
08:00-09:00	B	1	222	222	0		1940	265	84		7	0.00	11	
08:00-09:00	B	2	238	238	-1		2080	284	84		7	0.00	11	
08:00-09:00	C	1	680	680	-1	✓	3312	790	86		5	0.24	20	
08:00-09:00	C	2	833	826	-1	✓	3463	826	101!	✓	-11	0.20	20	
08:00-09:00	D	1	687	687	0		2126	797	86		4	0.00	32	
08:00-09:00	D	2	739	739	0		2284	857	86		4	0.00	32	
08:00-09:00	D	3	479	479	-1		2284	857	56		61	0.00	32	
08:00-09:00	E	1	651	614	0		1930	614	106!	✓	-15	0.00	27	
08:00-09:00	E	2	699	659	0		2070	659	106!	✓	-15	0.00	27	
08:00-09:00	E	3	699	659	0		2070	659	106!	✓	-15	0.00	27	
08:00-09:00	Ac	1	1425	1425	25	✓	2112	2112	67		33	0.31	88	
08:00-09:00	Ac	2	1138	1138	39	✓	2263	2263	50		79	0.78	88	
08:00-09:00	Ac	3	659	659	40	✓	2263	2263	29		209	1.30	88	
08:00-09:00	Ax	1	605	605	8	✓	1965	1518	40		126	0.63	67	
08:00-09:00	Ax	2	300	300	8	✓	2105	1627	18		387	0.67	67	
08:00-09:00	Ax2	1	605	605	8	✓	1800	1800	34		168	0.64	88	
08:00-09:00	Ax2	2	300	300	8	✓	1800	1800	17		439	0.83	88	
08:00-09:00	Bc	1	1785	1785	26	✓	1915	1915	93!	✓	-3	0.20	88	
08:00-09:00	Bc	2	1126	1126	14	✓	2055	2055	55		64	0.47	88	
08:00-09:00	Bc	3	734	734	24	✓	2055	2055	36		152	0.72	88	
08:00-09:00	Bc	4	1019	1019	40	✓	2055	2055	50		81	0.66	88	
08:00-09:00	Bc1	1	718	718	22	✓	1800	1800	40		126	0.68	88	
08:00-09:00	Bc1	2	1266	1266	14	✓	2055	2055	62		46	0.28	88	
08:00-09:00	Bc1	3	837	837	24	✓	1800	1800	47		94	0.53	88	

08:00-09:00	Bc1	4	1154	1154	39	✓	2055	2055	56		60	0.56	88	
08:00-09:00	Bc3	1	636	636	22	✓	1915	1480	43		109	0.88	67	
08:00-09:00	Bc3	2	1126	1126	14	✓	2055	1588	71		27	0.46	67	
08:00-09:00	Bc3	3	734	734	24	✓	2055	1588	46		95	0.72	67	
08:00-09:00	Bc3	4	1019	1019	40	✓	2055	1588	64		40	0.66	67	
08:00-09:00	Bx	1	1149	1149	4	✓	2128	1789	64		40	0.60	73	
08:00-09:00	C2	1	849	849	-1	✓	1800	1800	47		91	0.53	88	
08:00-09:00	C2	2	664	664	-1		1800	1800	37		144	0.90	88	
08:00-09:00	C3-1	1	0	0	0		0	0	0		-100	0.00	88	
08:00-09:00	C4	1	609	609	0		1887	901	68		33	0.00	41	
08:00-09:00	C4	2	664	664	-1		2055	981	68		33	0.00	41	
08:00-09:00	C5	1	332	332	-1	✓	1906	412	81		12	0.00	18	
08:00-09:00	Cc	1	372	372	-1		2059	1380	27		234	0.39	58	
08:00-09:00	Cc	2	837	837	24	✓	2209	1481	57		59	0.52	58	
08:00-09:00	Cc	3	1154	1154	39	✓	2181	1462	79		14	0.53	58	
08:00-09:00	Cx	1	718	718	22	✓	2120	1710	42		114	0.66	70	
08:00-09:00	Cx	2	894	894	15	✓	2120	1710	52		72	0.43	70	
08:00-09:00	Cx 2	1	732	732	21	✓	1915	892	82		10	0.38	40	
08:00-09:00	Cx 2	2	879	879	16	✓	2055	957	92!	✓	-2	0.28	40	
08:00-09:00	Cx3	1	0	0	0		1800	1800	0		Unrestricted	0.00	88	
08:00-09:00	Cx4-2	1	732	732	21	✓	1800	1800	41		121	1.01	88	
08:00-09:00	Cx4-2	2	551	551	8	✓	1800	1800	31		194	0.95	88	
08:00-09:00	Cx5	1	420	420	8	✓	1800	1800	23		286	1.02	88	
08:00-09:00	Dc	1	344	344	-1	✓	2059	1100	31		188	1.02	46	
08:00-09:00	Dc	2	595	595	1	✓	2172	1160	51		75	0.77	46	
08:00-09:00	Dc	3	496	496	3	✓	2185	1167	43		112	1.36	46	
08:00-09:00	Dx	1	708	708	-1		1915	1502	47		91	0.83	68	
08:00-09:00	Dx	2	837	837	24	✓	2055	1611	52		73	0.73	68	
08:00-09:00	Dx	3	889	889	40	✓	2055	1611	55		63	0.81	68	
08:00-09:00	Dx1	1	708	708	-1		2155	2155	33		174	0.76	88	

08:00-09:00	Dx1	2	1726	1726	64	✓	2155	2155	80		12	0.52	88	
08:00-09:00	Ec	1	482	482	1	✓	1985	1173	41		119	0.79	51	
08:00-09:00	Ec	2	1235	1235	3	✓	2125	1256	98!	✓	-9	0.74	51	
08:00-09:00	Ec	3	479	479	-1		2125	1256	38		136	1.23	51	
08:00-09:00	Ex	1	702	702	-1	✓	1800	1800	39		131	0.67	88	
08:00-09:00	Ex	2	443	443	1	✓	1800	1800	25		266	0.95	88	
08:00-09:00	Fx	1	722	722	-1		2112	2112	34		163	0.00	88	
08:00-09:00	Fx	2	722	722	-1		2263	2263	32		182	0.00	88	
08:00-09:00	Fx1	1	722	722	-1		1800	1800	40		124	0.00	88	
08:00-09:00	Fx1	2	722	722	-1		1800	1800	40		124	0.00	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	1	1	23.28	11.43	2.63	2.17	68.19	68.19	69.85	969.39	87.49	34.32	34.32
08:00-09:00	3	1	20.88	0.99	0.00	0.32	4.50	4.50	0.00	0.00	0.00	0.00	0.00
08:00-09:00	4	2	4.47	3.87	0.36	0.03	5.49	5.49	28.12	100.04	1.19	3.29	3.29
08:00-09:00	4	3	7.20	3.87	0.36	0.03	5.53	5.53	29.29	104.83	1.20	1.33	1.33
08:00-09:00	4	4	4.47	3.87	0.36	0.03	5.49	5.49	28.12	100.04	1.19	3.29	3.29
08:00-09:00	4	5	7.20	3.87	0.36	0.03	5.53	5.53	29.29	104.83	1.20	1.33	1.33
08:00-09:00	A	2	3.60	4.88	0.21	0.28	6.93	2.77	41.44	137.75	11.43	1.87	0.37
08:00-09:00	A	3	3.60	15.25	0.35	1.18	21.77	8.71	99.06	268.24	90.35	4.50	0.90
08:00-09:00	A	4	3.60	14.87	0.34	1.15	21.12	8.45	97.12	261.60	88.03	4.38	0.88
08:00-09:00	A	5	3.60	110.06	1.74	9.33	157.15	62.86	174.47	332.91	296.67	7.89	1.58
08:00-09:00	B	1	20.88	68.48	2.29	1.94	59.97	35.98	126.88	209.08	72.58	9.15	1.83
08:00-09:00	B	2	20.88	66.56	2.45	1.95	62.49	37.49	125.04	224.15	73.45	9.66	1.93
08:00-09:00	C	1	14.91	44.80	5.96	2.50	120.16	48.06	108.60	640.01	98.47	23.98	0.00
08:00-09:00	C	2	14.91	101.00	7.68	15.69	331.86	132.74	162.21	807.84	532.69	43.53	0.00
08:00-09:00	D	1	16.78	38.65	4.85	2.53	104.73	41.89	101.42	597.08	99.67	40.22	0.00
08:00-09:00	D	2	16.78	37.90	5.22	2.56	110.48	44.19	100.69	642.81	101.25	42.95	0.00

08:00-09:00	**D**	**3**	16.78	24.41	2.89	0.35	46.12	18.45	77.47	356.72	14.34	21.42	0.00
08:00-09:00	**E**	**1**	14.91	163.68	5.12	24.48	420.31	168.12	212.92	608.82	698.69	42.46	42.46
08:00-09:00	**E**	**2**	14.91	163.36	5.49	26.23	450.41	180.17	212.91	653.16	749.14	45.54	45.54
08:00-09:00	**E**	**3**	14.91	163.36	5.49	26.23	450.41	180.17	212.91	653.16	749.14	45.54	45.54
08:00-09:00	**Ac**	**1**	4.03	1.76	0.00	0.70	9.90	9.90	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Ac**	**2**	4.03	0.80	0.00	0.25	3.60	3.60	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Ac**	**3**	4.03	0.33	0.00	0.06	0.85	0.85	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Ax**	**1**	1.12	1.96	0.20	0.13	4.67	4.67	13.34	70.04	10.76	4.66	4.66
08:00-09:00	**Ax**	**2**	1.12	2.58	0.19	0.02	3.06	3.06	23.32	69.23	0.86	4.05	4.05
08:00-09:00	**Ax2**	**1**	9.60	0.51	0.00	0.09	1.21	1.21	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Ax2**	**2**	9.60	0.20	0.00	0.02	0.24	0.24	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Bc**	**1**	3.48	14.05	1.16	5.81	98.94	98.94	67.12	968.36	229.86	34.02	34.02
08:00-09:00	**Bc**	**2**	3.71	1.41	0.11	0.33	6.26	6.26	15.40	159.86	13.50	5.18	5.18
08:00-09:00	**Bc**	**3**	4.02	0.49	0.00	0.10	1.41	1.41	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Bc**	**4**	3.77	1.07	0.06	0.24	4.31	4.31	10.59	98.04	9.95	3.40	3.40
08:00-09:00	**Bc1**	**1**	7.35	0.66	0.00	0.13	1.88	1.88	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Bc1**	**2**	7.35	1.40	0.00	0.49	6.99	6.99	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Bc1**	**3**	7.35	0.87	0.00	0.20	2.87	2.87	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Bc1**	**4**	7.35	1.12	0.00	0.36	5.10	5.10	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Bc3**	**1**	1.51	1.00	0.02	0.16	2.52	2.52	1.52	3.10	6.59	0.31	0.31
08:00-09:00	**Bc3**	**2**	1.51	3.84	0.34	0.86	17.04	17.04	11.09	90.06	34.78	4.05	4.05
08:00-09:00	**Bc3**	**3**	1.51	1.37	0.08	0.20	3.97	3.97	4.42	24.35	8.09	1.05	1.05
08:00-09:00	**Bc3**	**4**	1.51	3.60	0.45	0.57	14.47	14.47	17.47	154.74	23.32	5.78	5.78
08:00-09:00	**Bx**	**1**	1.00	1.97	0.06	0.57	8.95	8.95	4.05	23.12	23.39	0.84	0.84
08:00-09:00	**C2**	**1**	23.28	0.89	0.00	0.21	2.99	2.99	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**C2**	**2**	23.28	0.66	0.01	0.11	1.73	1.73	4.13	23.05	4.40	0.89	0.89
08:00-09:00	**C3-1**	**1**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**C4**	**1**	6.46	21.89	3.00	0.70	52.58	52.58	77.55	443.99	28.28	15.34	15.34
08:00-09:00	**C4**	**2**	6.46	21.58	3.28	0.70	56.51	56.51	77.21	484.24	28.46	16.65	16.65
08:00-09:00	**C5**	**1**	4.10	49.99	3.02	1.59	65.46	65.46	110.21	303.98	61.91	11.88	11.88

08:00-09:00	Cc	1	4.85	4.37	0.40	0.05	6.41	6.41	23.62	85.86	2.03	2.85	2.85
08:00-09:00	Cc	2	4.85	4.39	0.65	0.37	14.49	14.49	18.97	143.86	14.92	5.16	5.16
08:00-09:00	Cc	3	4.85	7.28	0.88	1.46	33.16	33.16	22.63	202.32	58.94	8.48	8.48
08:00-09:00	Cx	1	5.59	1.57	0.16	0.15	4.46	4.46	9.13	59.37	6.19	3.78	3.78
08:00-09:00	Cx	2	5.59	2.12	0.24	0.29	7.48	7.48	10.04	78.11	11.63	5.18	5.18
08:00-09:00	Cx 2	1	30.87	29.11	4.10	1.82	84.06	84.06	73.65	466.74	72.40	17.51	17.51
08:00-09:00	Cx 2	2	30.87	41.18	5.53	4.53	142.83	142.83	101.29	714.62	175.99	28.92	28.92
08:00-09:00	Cx3	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Cx4-2	1	5.77	0.97	0.06	0.14	2.79	2.79	13.68	94.43	5.69	3.25	3.25
08:00-09:00	Cx4-2	2	5.77	0.44	0.00	0.07	0.96	0.96	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Cx5	1	4.67	0.30	0.00	0.04	0.50	0.50	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Dc	1	6.71	3.88	0.30	0.07	5.27	52.67	23.95	79.49	2.90	2.68	26.76
08:00-09:00	Dc	2	6.71	7.73	1.01	0.27	18.16	18.16	42.73	243.46	10.99	8.26	8.26
08:00-09:00	Dc	3	6.71	1.80	0.09	0.16	3.53	3.53	30.74	146.13	6.40	4.95	4.95
08:00-09:00	Dx	1	3.13	8.40	1.44	0.21	23.45	23.45	67.23	467.41	8.56	27.48	27.48
08:00-09:00	Dx	2	3.13	3.38	0.51	0.28	11.16	11.16	15.27	105.03	22.77	7.38	7.38
08:00-09:00	Dx	3	3.13	4.19	0.70	0.34	14.70	14.70	16.64	134.14	13.81	8.54	8.54
08:00-09:00	Dx1	1	13.98	0.41	0.00	0.08	1.14	1.14	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Dx1	2	13.98	5.98	1.27	1.60	40.75	40.75	49.05	656.51	190.31	48.88	48.88
08:00-09:00	Ec	1	3.73	3.14	0.28	0.14	5.97	5.97	21.48	97.66	5.83	3.36	3.36
08:00-09:00	Ec	2	3.73	42.40	1.85	12.69	206.55	206.55	128.36	737.47	847.94	51.49	51.49
08:00-09:00	Ec	3	3.73	4.64	0.50	0.12	8.77	8.77	68.93	325.40	4.79	10.72	10.72
08:00-09:00	Ex	1	7.46	0.64	0.00	0.12	1.77	1.77	0.80	0.53	5.09	0.18	0.18
08:00-09:00	Ex	2	7.46	0.33	0.00	0.04	0.57	0.57	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Fx	1	21.62	0.44	0.00	0.09	1.26	1.26	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Fx	2	21.62	0.37	0.00	0.07	1.06	1.06	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Fx1	1	7.46	0.67	0.00	0.13	1.91	1.91	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Fx1	2	7.46	0.67	0.00	0.13	1.91	1.91	0.00	0.00	0.00	0.00	0.00

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	1	1	0.00	30.93	54.30	56.96	0.00	0.00	0.00			0.00	7.00	7.00	
08:00-09:00	3	1	0.00	0.32	48.70	0.65	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	4	2	0.00	2.73	10.43	26.15	0.00	0.00	0.00	0.03	2.33	0.00	0.00	0.00	
08:00-09:00	4	3	0.00	2.74	10.43	26.30	0.00	0.00	0.00	0.03	2.34	0.00	30.00	30.00	
08:00-09:00	4	4	0.00	2.73	10.43	26.15	0.00	0.00	0.00	0.03	2.33	0.00	30.00	30.00	
08:00-09:00	4	5	0.00	2.74	10.43	26.30	0.00	0.00	0.00	0.03	2.34	0.00	65.00	65.00	
08:00-09:00	A	2	0.00	4.48	5.22	85.88	0.00	0.00	0.00			21.00	45.00	66.00	
08:00-09:00	A	3	0.00	8.22	5.22	157.50	0.53	0.00	0.00			15.00	8.00	23.00	
08:00-09:00	A	4	0.00	8.15	5.22	156.15	0.50	0.00	0.00			15.00	0.00	15.00	
08:00-09:00	A	5	0.00	18.15	5.22	347.90	10.32	0.00	0.00			0.00	16.00	16.00	
08:00-09:00	B	1	0.00	7.18	48.70	14.74	0.00	0.00	0.00	1.94	6.62	0.00	0.00	0.00	
08:00-09:00	B	2	0.00	7.57	48.70	15.54	0.00	0.00	0.00	1.95	6.97	0.00	0.00	0.00	
08:00-09:00	C	1	0.00	18.42	34.78	52.97	0.00	0.00	0.00	2.50	16.26	0.00	4.00	4.00	
08:00-09:00	C	2	0.00	35.72	34.78	102.69	0.04	0.00	0.00	15.69	32.32	0.00	0.00	0.00	
08:00-09:00	D	1	0.00	17.99	52.17	34.47	0.00	0.00	0.00	2.53	13.03	0.00	0.00	0.00	
08:00-09:00	D	2	0.00	19.19	52.17	36.78	0.00	0.00	0.00	2.56	13.85	0.00	33.00	33.00	
08:00-09:00	D	3	0.00	9.53	52.17	18.27	0.00	0.00	0.00	0.35	7.67	0.00	8.00	8.00	
08:00-09:00	E	1	0.00	39.32	34.78	113.05	0.71	0.00	0.00	24.48	34.72	0.00	0.00	0.00	
08:00-09:00	E	2	0.00	42.15	34.78	121.17	1.73	0.00	0.00	26.23	37.21	0.00	0.00	0.00	
08:00-09:00	E	3	0.00	42.15	34.78	121.17	1.73	0.00	0.00	26.23	37.21	0.00	0.00	0.00	
08:00-09:00	Ac	1	0.00	0.70	7.00	9.96	0.00	0.00	0.00			0.00	66.00	66.00	
08:00-09:00	Ac	2	0.00	0.25	7.00	3.63	0.00	0.00	0.00			23.00	8.00	31.00	
08:00-09:00	Ac	3	0.00	0.06	7.00	0.85	0.00	0.00	0.00			55.00	16.00	71.00	
08:00-09:00	Ax	1	0.00	2.18	3.48	62.65	0.00	0.00	0.00	0.13	1.86	7.00	0.00	7.00	
08:00-09:00	Ax	2	0.00	2.07	3.48	59.53	0.00	0.00	0.00	0.02	1.75	3.00	0.00	3.00	
08:00-09:00	Ax2	1	0.00	0.09	13.91	0.61	0.00	0.00	0.00			14.00	0.00	14.00	
08:00-09:00	Ax2	2	0.00	0.02	13.91	0.12	0.00	0.00	0.00			14.00	0.00	14.00	
08:00-09:00	Bc	1	0.00	42.10	7.23	582.55	14.26	8.94	0.00			0.00	0.00	0.00	

08:00-09:00	Bc	2	0.00	10.90	7.23	150.87	0.19	0.00	0.00			6.00	0.00	6.00	
08:00-09:00	Bc	3	0.00	0.10	7.23	1.37	0.00	0.00	0.00			13.00	0.00	13.00	
08:00-09:00	Bc	4	0.00	15.78	7.23	218.36	0.80	0.01	0.00			0.00	8.00	8.00	
08:00-09:00	Bc1	1	0.00	0.13	17.14	0.77	0.00	0.00	0.00			2.00	0.00	2.00	
08:00-09:00	Bc1	2	0.00	0.49	17.14	2.87	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Bc1	3	0.00	0.20	17.14	1.18	0.00	0.00	0.00			1.00	0.00	1.00	
08:00-09:00	Bc1	4	0.00	0.36	17.14	2.10	0.00	0.00	0.00			1.00	5.00	6.00	
08:00-09:00	Bc3	1	0.00	0.24	3.53	6.72	0.00	0.00	0.00	0.16	0.24	0.00	0.00	0.00	
08:00-09:00	Bc3	2	0.00	3.42	3.53	96.69	0.00	0.12	120.36	0.86	2.73	0.00	0.00	0.00	
08:00-09:00	Bc3	3	0.00	1.00	3.53	28.28	0.00	0.00	0.00	0.20	0.84	0.00	0.00	0.00	
08:00-09:00	Bc3	4	0.00	4.89	3.53	138.58	0.06	0.27	273.42	0.57	3.59	0.00	0.00	0.00	
08:00-09:00	Bx	1	0.00	1.21	1.74	69.33	0.00	0.00	0.00	0.57	1.17	0.00	0.00	0.00	
08:00-09:00	C2	1	0.00	0.21	54.30	0.39	0.00	0.00	0.00			7.00	0.00	7.00	
08:00-09:00	C2	2	0.00	5.70	54.30	10.49	0.00	0.00	0.00			29.00	0.00	29.00	
08:00-09:00	C3-1	1	0.00	0.00	9.67	0.00	0.00	0.00	0.00			88.00	0.00	88.00	
08:00-09:00	C4	1	0.00	12.03	15.06	79.88	0.00	0.00	0.00	0.70	8.48	0.00	0.00	0.00	
08:00-09:00	C4	2	0.00	13.06	15.06	86.70	0.00	0.00	0.00	0.70	9.19	0.00	0.00	0.00	
08:00-09:00	C5	1	0.00	9.24	9.57	96.63	0.00	0.00	0.00	1.59	7.95	0.00	0.00	0.00	
08:00-09:00	Cc	1	0.00	2.44	6.00	40.60	0.00	0.00	0.00	0.05	1.96	0.00	11.00	11.00	
08:00-09:00	Cc	2	0.00	4.43	6.00	73.83	0.00	0.00	0.00	0.37	3.13	0.00	0.00	0.00	
08:00-09:00	Cc	3	0.00	7.18	6.00	119.74	0.04	0.04	2.54	1.46	4.82	0.00	0.00	0.00	
08:00-09:00	Cx	1	0.00	2.03	17.39	11.69	0.00	0.00	0.00	0.15	1.64	0.00	0.00	0.00	
08:00-09:00	Cx	2	0.00	2.43	17.39	13.99	0.00	0.00	0.00	0.29	2.29	0.00	0.00	0.00	
08:00-09:00	Cx 2	1	0.00	13.81	71.99	19.18	0.00	0.00	0.00	1.82	11.28	0.00	0.00	0.00	
08:00-09:00	Cx 2	2	0.00	23.49	71.99	32.62	0.00	0.00	0.00	4.53	16.63	0.00	0.00	0.00	
08:00-09:00	Cx3	1	0.00	0.00	10.32	0.00	0.00	0.00	0.00			88.00	0.00	88.00	
08:00-09:00	Cx4-2	1	0.00	10.77	13.47	79.98	0.00	0.00	0.00			41.00	0.00	41.00	
08:00-09:00	Cx4-2	2	0.00	0.07	13.47	0.50	0.00	0.00	0.00			28.00	0.00	28.00	
08:00-09:00	Cx5	1	0.00	0.04	10.89	0.33	0.00	0.00	0.00			42.00	0.00	42.00	
08:00-09:00	Dc	1	0.00	3.53	15.65	22.53	0.00	0.00	0.00	0.07	1.34	1.00	0.00	1.00	

08:00-09:00	Dc	2	0.00	8.83	15.65	56.39	0.00	0.00	0.00	0.27	2.80	0.00	0.00	0.00	
08:00-09:00	Dc	3	0.00	10.03	15.65	64.08	0.00	0.00	0.00	0.16	0.75	13.00	34.00	47.00	
08:00-09:00	Dx	1	0.00	13.01	9.74	133.59	0.36	0.00	0.00	0.21	6.18	0.00	0.00	0.00	
08:00-09:00	Dx	2	0.00	2.75	9.74	28.28	0.00	0.00	0.00	0.28	2.75	11.00	0.00	11.00	
08:00-09:00	Dx	3	0.00	3.62	9.74	37.16	0.00	0.00	0.00	0.34	3.62	10.00	0.00	10.00	
08:00-09:00	Dx1	1	0.00	0.08	43.48	0.18	0.00	0.00	0.00			13.00	0.00	13.00	
08:00-09:00	Dx1	2	0.00	23.09	43.48	53.11	0.00	0.00	0.00			2.00	0.00	2.00	
08:00-09:00	Ec	1	0.00	3.58	8.70	41.11	0.00	0.00	0.00	0.14	1.89	5.00	0.00	5.00	
08:00-09:00	Ec	2	0.00	32.25	8.70	370.92	10.22	12.92	775.16	12.69	16.43	0.00	0.00	0.00	
08:00-09:00	Ec	3	0.00	10.22	8.70	117.53	0.09	0.39	23.70	0.12	2.65	21.00	0.00	21.00	
08:00-09:00	Ex	1	0.00	1.13	17.39	6.52	0.00	0.00	0.00			2.00	0.00	2.00	
08:00-09:00	Ex	2	0.00	0.04	17.39	0.23	0.00	0.00	0.00			35.00	0.00	35.00	
08:00-09:00	Fx	1	0.00	0.09	50.43	0.18	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Fx	2	0.00	0.07	50.43	0.15	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Fx1	1	0.00	0.13	17.39	0.77	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Fx1	2	0.00	0.13	17.39	0.77	0.00	0.00	0.00			0.00	0.00	0.00	

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	86	18.42	790	5
08:00-09:00	C	2	✓	Quick Flare	101	35.72	826	-11

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)	Perfor Index (hr
08:00-09:00	1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	30.95			0.00	102.51	102.
08:00-09:00	3	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.32			0.00	4.50	4.5
08:00-09:00	4	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.73	0.03	2.33	0.00	8.78	8.7
08:00-09:00	4	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.74	0.03	2.34	0.00	6.86	6.8
08:00-09:00	4	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.73	0.03	2.33	0.00	8.78	8.7
08:00-09:00	4	5	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.74	0.03	2.34	0.00	6.86	6.8

08:00-09:00	A	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.48			0.00	8.80	3.1
08:00-09:00	A	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	8.24			0.00	26.27	9.6
08:00-09:00	A	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	8.17			0.00	25.50	9.3
08:00-09:00	A	5	0.00	0.00	0.00	0.00	0.00	✓	0.00	22.38			0.00	165.05	64.
08:00-09:00	B	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.29	2.05	6.74	0.00	69.11	37.
08:00-09:00	B	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.68	2.06	7.08	0.00	72.15	39.
08:00-09:00	C	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	18.49	2.57	16.33	0.00	144.14	48.
08:00-09:00	C	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	43.51	23.48	40.11	0.00	375.39	132.
08:00-09:00	D	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	18.06	2.60	13.10	0.00	144.95	41.
08:00-09:00	D	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	19.26	2.63	13.93	0.00	153.43	44.
08:00-09:00	D	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.53	0.35	7.67	0.00	67.54	18.
08:00-09:00	E	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	58.61	43.77	54.00	0.00	462.77	210.
08:00-09:00	E	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	63.11	47.20	58.17	0.00	495.95	225.
08:00-09:00	E	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	63.11	47.20	58.17	0.00	495.95	225.
08:00-09:00	Ac	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.70			0.00	9.90	9.9
08:00-09:00	Ac	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.25			0.00	3.60	3.6
08:00-09:00	Ac	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.06			0.00	0.85	0.8
08:00-09:00	Ax	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.18	0.13	1.86	0.00	9.33	9.3
08:00-09:00	Ax	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.07	0.02	1.75	0.00	7.11	7.1
08:00-09:00	Ax2	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.09			0.00	1.21	1.2
08:00-09:00	Ax2	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.02			0.00	0.24	0.2
08:00-09:00	Bc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	42.37			0.00	132.96	132.
08:00-09:00	Bc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.90			0.00	11.44	11.
08:00-09:00	Bc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.10			0.00	1.41	1.4
08:00-09:00	Bc	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	15.78			0.00	7.71	7.7
08:00-09:00	Bc1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.13			0.00	1.88	1.8
08:00-09:00	Bc1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.49			0.00	6.99	6.9
08:00-09:00	Bc1	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.20			0.00	2.87	2.8
08:00-09:00	Bc1	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.36			0.00	5.10	5.1
08:00-09:00	Bc3	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.24	0.16	0.24	0.00	2.83	2.8

08:00-09:00	Bc3	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.42	0.86	2.73	120.36	21.10	141.
08:00-09:00	Bc3	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.00	0.20	0.84	0.00	5.02	5.0
08:00-09:00	Bc3	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.90	0.57	3.59	273.42	20.25	293.
08:00-09:00	Bx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.21	0.58	1.17	0.00	9.79	9.7
08:00-09:00	C2	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.21			0.00	2.99	2.9
08:00-09:00	C2	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.70			0.00	2.62	2.6
08:00-09:00	C3-1	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	C4	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	12.04	0.70	8.48	0.00	67.91	67.
08:00-09:00	C4	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	13.06	0.71	9.19	0.00	73.16	73.
08:00-09:00	C5	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.29	1.63	8.00	0.00	77.34	77.
08:00-09:00	Cc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.44	0.05	1.96	0.00	9.27	9.2
08:00-09:00	Cc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.43	0.37	3.13	0.00	19.64	19.
08:00-09:00	Cc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.19	1.47	4.83	2.54	41.64	44.
08:00-09:00	Cx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.03	0.15	1.64	0.00	8.24	8.2
08:00-09:00	Cx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.43	0.29	2.29	0.00	12.66	12.
08:00-09:00	Cx 2	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	13.84	1.84	11.31	0.00	101.56	101.
08:00-09:00	Cx 2	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	23.77	4.81	16.91	0.00	171.76	171.
08:00-09:00	Cx3	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	Cx4-2	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.77			0.00	6.04	6.0
08:00-09:00	Cx4-2	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.07			0.00	0.96	0.9
08:00-09:00	Cx5	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.04			0.00	0.50	0.5
08:00-09:00	Dc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.53	0.07	1.34	0.00	7.94	79.
08:00-09:00	Dc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	8.83	0.27	2.80	0.00	26.42	26.
08:00-09:00	Dc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.03	0.16	0.75	0.00	8.48	8.4
08:00-09:00	Dx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	13.01	0.21	6.18	0.00	50.93	50.
08:00-09:00	Dx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.75	0.28	2.75	0.00	18.54	18.
08:00-09:00	Dx	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.62	0.34	3.62	0.00	23.24	23.
08:00-09:00	Dx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.08			0.00	1.14	1.1
08:00-09:00	Dx1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	23.10			0.00	89.63	89.
08:00-09:00	Ec	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.58	0.14	1.89	0.00	9.33	9.3

08:00-09:00	Ec	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	35.70	16.14	19.88	775.16	258.04	1033
08:00-09:00	Ec	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.22	0.12	2.65	23.70	19.49	43.
08:00-09:00	Ex	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.13			0.00	1.96	1.9
08:00-09:00	Ex	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.04			0.00	0.57	0.5
08:00-09:00	Fx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.09			0.00	1.26	1.2
08:00-09:00	Fx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.07			0.00	1.06	1.0
08:00-09:00	Fx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.13			0.00	1.91	1.9
08:00-09:00	Fx1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.13			0.00	1.91	1.9

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 11:33:10	26/06/2014 11:33:17	08:00	88	236.23	106.13	E/2	8	11	E/2	C3-1/1	C3-1/1	

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	106!	-100	51311	4599	16.02	2051.95	562.11	3809.22

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	106!	500	7	0.39	80.28	80.28

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	51811	51686	736	✓	106!	✓	-100	4606	4647

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	9.13	16.41	88.76	147.47	3354.49	2132.22	38.64	14526.66	5233.03	725.19	562.11

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	1514.22	1195.17	575.00	325.00	900.00

Network Results: Journey Times

Time Segment	Distance Travelled (PCU-km/hr)	Time Spent (PCU-hr/hr)	Mean Journey Speed (kph)
08:00-09:00	6598.29	367.56	17.95

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Last run: 26/06/2014 11:45:06
Analysis Set used for last run: A2 - 2031 PM Scenario 3

Filename: Scenario D Proposed New access - with WAR signals.t15
Path: F:\TEM\Project\BCC - Peddimore Access Modelling\3. EXECUTION\Modelling\With Water Orton Lane\Scenario D\Proposed Water Orton Lane\140620 Further Modelling\Walmley Ash Signals
Report generation date: 26/06/2014 11:50:14

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 11:44:58	26/06/2014 11:45:06	17:00	88	215.98	108.31	C/1	7	9	C/1	C3-1/1	C3-1/1	

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
			✓

Advanced

Optimisation Type	Hill Climb Increments	OUTProfile Accuracy	Use Enhanced Optimisation	Auto Optimisation Order	Optimisation Order
				✓	

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	(untitled)	
17	A38 North Exit	
20	A30 Southbound Exit	
22	(untitled)	
23	(untitled)	
24	(untitled)	
25	(untitled)	
26	Lindridge Drive Circulatory	
27	Lindridge Drive Circulatory	
28	(untitled)	

Links

Links

Link	Name	Description	Traffic Node	Length (m)	Has Restricted Flow	Use RR67	Saturation Flow (PCU/hr)	Is Signal Controlled	Is Give Way	Traffic Type	Is Minor Shared
1	(untitled)		23	3.50	✓		10000	✓		Pedestrian	

Modelling

Link	Traffic Model	Stop Weighting (%)	Delay Weighting (%)	Exclude From Results Calculation	Max Queue Storage (PCU)	Has Queue Limit	Has Degree Of Saturation Limit	Degree Of Saturation Limit (%)	Excess Degree Of Saturation Penalty (£)	Low Degree Of Saturation Penalty (£)
1	[Forced to PDM]	100	100		0.00		✓	80	0.00	0.00

Modelling - Advanced

Link	Initial Queue (PCU)	Type of Vehicle-in-Service	Vehicle-in-Service	Type Of Random Parameter	Random Parameter	Auto Cycle Time	Cycle Time
1	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88

Flows

Link	Flows	Total Flow (17:00-18:00) (PCU/hr)
1	1	500

Flows - Advanced

Link	Detectors	Link Sensitivity Multiplier (%)	Cruise Sensitivity Multiplier (%)
1		100	100

Signals

Link	Controller Stream	Phase	Phase2 Enabled
1	4	E	

Entry Sources

Link	Cruise Time (seconds)	Cruise Speed (kph)
1	1.00	30.00

Arms and Traffic Streams

Arms

Arm	Name	Description	Traffic Node
1	A4097 Kingsbury Road WB		25
3	New Access Exit		
4	A38 North		28
A	A38 North		1
Ac	A38 North Circulatory		1
Ax	A38 North Exit		8
Ax2	A38 North Exit		17
B	New Access		10
Bc	New Access Circulatory 1		6
Bc1	Kingsbury Road Circulatory 2		2
Bc3	New Access Circulatory 2		10
C	A4097 Kingsbury Road		3
Bx	New Access Exit		27
C2	A4097 Kingsbury Road WB		9
C3-1	Cottage Lane Entry		23
Cx 2	A4097 Kingsbury Road EB		23
Cx3	Cottage Lane Exit		
Cx4-2	(untitled)		
Cx5	Water Orton Lane Exit		
D	A38 South		4
E	Wamley Ash Road		5
C4	A4097 Kingsbury Road Entry		23
C5	Water Orton Lane Entry		23
Cc	A4097 Kingsbury Road Circulatory		3
Cx	A4097 Kinsbury Road Exit		24
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		
Fx	A38 South Exit		20
Fx1	(untitled)		22

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
1	1	(untitled)			312.22	✓	SumOfLanes	1800			Normal

3	**1**	(untitled)			280.00	✓	SumOfLanes	2128			Normal
4	**2**	(untitled)			60.00	✓	SumOfLanes	2279	✓		Normal
4	**3**	A38 North Entry			60.00	✓	SumOfLanes	2279	✓		Normal
4	**4**	(untitled)			60.00	✓	SumOfLanes	2279	✓		Normal
4	**5**	(untitled)			60.00	✓	SumOfLanes	2279	✓		Normal
A	**2**	(untitled)			30.00					✓	Normal
A	**3**	A38 North Entry			30.00					✓	Normal
A	**4**	(untitled)			30.00					✓	Normal
A	**5**	(untitled)			30.00					✓	Normal
B	**1**	(untitled)			280.00	✓	SumOfLanes	1940	✓		Normal
B	**2**	(untitled)			280.00	✓	SumOfLanes	2080	✓		Normal
C	**1**	(untitled)			200.00	✓	SumOfLanes	2112	✓		Normal
C	**2**	(untitled)			200.00	✓	SumOfLanes	2263	✓		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
E	**1**	(untitled)			200.00	✓	SumOfLanes	1930	✓		Normal
E	**2**	(untitled)			200.00	✓	SumOfLanes	2070	✓		Normal
E	**3**	(untitled)			200.00	✓	SumOfLanes	2070	✓		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)			20.00	✓	SumOfLanes	1965	✓		Normal
Ax	**2**	(untitled)			20.00	✓	SumOfLanes	2105	✓		Normal
Ax2	**1**	A38 North Exit			80.00	✓	SumOfLanes	1800			Normal
Ax2	**2**	A38 North Exit			80.00	✓	SumOfLanes	1800			Normal
Bc	**1**	(untitled)			41.55	✓	SumOfLanes	1915			Normal
Bc	**2**	(untitled)			41.55	✓	SumOfLanes	2055			Normal
Bc	**3**	(untitled)			41.55	✓	SumOfLanes	2055			Normal
Bc	**4**	(untitled)			41.55	✓	SumOfLanes	2055			Normal
Bc1	**1**	(untitled)			98.58	✓	SumOfLanes	1915			Normal
Bc1	**2**	(untitled)			98.58	✓	SumOfLanes	2055			Normal
Bc1	**3**	(untitled)			98.58	✓	SumOfLanes	2055			Normal
Bc1	**4**	(untitled)			98.58	✓	SumOfLanes	2055			Normal
Bc3	**1**	(untitled)			20.31	✓	SumOfLanes	1915	✓		Normal
Bc3	**2**	(untitled)			20.31	✓	SumOfLanes	2055	✓		Normal
Bc3	**3**	(untitled)			20.31	✓	SumOfLanes	2055	✓		Normal
Bc3	**4**	(untitled)			20.31	✓	SumOfLanes	2055	✓		Normal
Bx	**1**	(untitled)			10.00	✓	SumOfLanes	2128	✓		Normal
C2	**1**	(untitled)			312.22	✓	SumOfLanes	1800			Normal
C2	**2**	(untitled)			312.22	✓	SumOfLanes	1800			Normal
C3-1	**1**	(untitled)			55.60					✓	Normal
C4	**1**	(untitled)			86.62	✓	SumOfLanes	1887	✓		Normal
C4	**2**	(untitled)			86.62	✓	SumOfLanes	2055	✓		Normal
C5	**1**	(untitled)			55.00	✓	SumOfLanes	1906	✓		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
Cx 2	**1**	(untitled)			413.96	✓	SumOfLanes	1915	✓		Normal
Cx 2	**2**	(untitled)			413.96	✓	SumOfLanes	2055	✓		Normal
Cx3	**1**	(untitled)			59.35	✓	SumOfLanes	1800			Normal
Cx4-2	**1**	(untitled)			77.43	✓	SumOfLanes	1800			Normal
Cx4-2	**2**	(untitled)			77.43	✓	SumOfLanes	1800			Normal
Cx5	**1**	(untitled)			62.61	✓	SumOfLanes	1800			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
Ec	**1**	(untitled)			50.00	✓	SumOfLanes	1995	✓		Normal
Ec	**2**	(untitled)			50.00	✓	SumOfLanes	2125	✓		Normal
Ec	**3**	(untitled)			50.00	✓	SumOfLanes	2135	✓		Normal
Ex	**1**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Ex	**2**	(untitled)			100.00	✓	SumOfLanes	1800			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

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)
1	**1**	**1**	(untitled)											1800
3	**1**	**2**	Lindridge drive Exit											2128
4	**2**	**1**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
4	**3**	**3**	(untitled)		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
4	**4**	**2**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
4	**5**	**1**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
A	**2**	**1**	A38 North Entry		✓									
A	**3**	**3**	(untitled)		✓									
A	**4**	**2**	A38 North Entry		✓									
A	**5**	**1**	A38 North Entry		✓									

B	**1**	**1**	New Access		✓	N/A	N/A	0	3.25		0	10.00	✓	1940
B	**2**	**2**	New Access		✓	N/A	N/A	0	3.25		0	10.00		2080
C	**1**	**1**	A4097 Kingsbury Road Entry		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
C	**2**	**2**	A4097 Kingsbury Road Entry		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
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
E	**1**	**3**	(untitled)		✓	N/A	N/A	0	3.15		0	10.00	✓	1930
E	**2**	**3**	(untitled)		✓	N/A	N/A	0	3.15		0	10.00		2070
E	**3**	**3**	(untitled)		✓	N/A	N/A	0	3.15		0	10.00		2070
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
Ax2	**1**	**1**	(untitled)											1800
Ax2	**2**	**1**	(untitled)											1800
Bc	**1**	**2**	Lindridge Drive Circulatory		✓	N/A	N/A	0	3.00		0	10.00	✓	1915
Bc	**2**	**1**	Lindridge Drive Circulatory		✓	N/A	N/A	0	3.00		0	10.00		2055
Bc	**3**	**3**	Lindridge Drive Circulatory		✓	N/A	N/A	0	3.00		0	10.00		2055
Bc	**4**	**3**	Lindridge Drive Circulatory		✓	N/A	N/A	0	3.00		0	10.00		2055
Bc1	**1**	**2**	Lindridge Drive Circulatory											1915
Bc1	**2**	**1**	Lindridge Drive Circulatory											2055
Bc1	**3**	**3**	Lindridge Drive Circulatory											2055
Bc1	**4**	**3**	Lindridge Drive Circulatory											2055
Bc3	**1**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00	✓	1915
Bc3	**2**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00		2055
Bc3	**3**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00		2055
Bc3	**4**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00		2055

Bx	**1**	**2**	Lindridge drive Exit										2128
C2	**1**	**1**	(untitled)										1800
C2	**2**	**1**	(untitled)										1800
C3-1	**1**	**1**	(untitled)		✓							✓	
C4	**1**	**1**	(untitled)		✓	N/A	N/A	0	3.00		7	7.20	✓	1887
C4	**2**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	7.20		2055
C5	**1**	**1**	(untitled)		✓	N/A	N/A	0	2.91		0	10.00	✓	1906
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
Cx 2	**1**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00	✓	1915
Cx 2	**2**	**1**	(untitled)		✓	N/A	N/A	0	3.00		0	10.00		2055
Cx3	**1**	**1**	(untitled)											1800
Cx4-2	**1**	**1**	(untitled)											1800
Cx4-2	**2**	**1**	(untitled)											1800
Cx5	**1**	**1**	(untitled)											1800
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
Ec	**1**	**2**	Wamley Ash Road Circulatory		✓	N/A	N/A	0	3.80		0	10.00	✓	1995
Ec	**2**	**1**	Wamley Ash Road Circulatory		✓	N/A	N/A	0	3.70		0	10.00		2125
Ec	**3**	**3**	(untitled)		✓	N/A	N/A	0	3.80		0	10.00		2135
Ex	**1**	**1**	Wamley Ash Road Exit											1800
			Wamley											

Ex	**2**	**2**	Ash Road Exit										1800
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

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
1	**1**	[Forced to PDM]	100	100		0.00				
3	**1**	[Forced to PDM]	100	100		0.00				
4	**2**	[Forced to PDM]	20	40		0.00				
4	**3**	[Forced to PDM]	20	40		0.00				
4	**4**	[Forced to PDM]	20	40		0.00				
4	**5**	[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				
A	**5**	[Forced to PDM]	20	40	✓	0.00				
B	**1**	[Forced to PDM]	0	40		0.00				
B	**2**	[Forced to PDM]	0	40		0.00				
C	**1**	[Forced to PDM]	0	40		0.00				
C	**2**	[Forced to PDM]	0	40		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				
E	**1**	[Forced to PDM]	100	40		0.00				
E	**2**	[Forced to PDM]	100	40		0.00				
E	**3**	[Forced to PDM]	100	40		0.00				
Ac	**1**	[Forced to PDM]	100	100		7.00	✓	3	80.00	
Ac	**2**	[Forced to PDM]	100	100		7.00	✓	5	80.00	
Ac	**3**	[Forced to PDM]	100	100		7.00	✓	5	80.00	

Ax	**1**	[Forced to PDM]	100	100		0.00	✓	3	0.00	
Ax	**2**	[Forced to PDM]	100	100		0.00	✓	3	0.00	
Ax2	**1**	[Forced to PDM]	100	100		0.00				
Ax2	**2**	[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	
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	
Bc3	**1**	[Forced to PDM]	100	100		0.00	✓	2	60.00	
Bc3	**2**	[Forced to PDM]	100	100		0.00	✓	2	1000.00	
Bc3	**3**	[Forced to PDM]	100	100		0.00	✓	2	1000.00	
Bc3	**4**	[Forced to PDM]	100	100		0.00	✓	2	1000.00	
Bx	**1**	[Forced to PDM]	100	100		0.00				
C2	**1**	[Forced to PDM]	100	100		0.00				
C2	**2**	[Forced to PDM]	100	100		0.00				
C3-1	**1**	[Forced to PDM]	100	100		0.00				
C4	**1**	[Forced to PDM]	100	100		0.00				
C4	**2**	[Forced to PDM]	100	100		0.00				
C5	**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				
Cx 2	**1**	[Forced to PDM]	100	100		0.00				
Cx 2	**2**	[Forced to PDM]	100	100		0.00				

Cx3	**1**	[Forced to PDM]	100	100		0.00				
Cx4-2	**1**	[Forced to PDM]	100	100		0.00				
Cx4-2	**2**	[Forced to PDM]	100	100		0.00				
Cx5	**1**	[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				
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				
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				

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
1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
3	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
4	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
4	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
4	**4**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
4	**5**	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
A	**5**	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
C	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C	**2**	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
E	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
E	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
E	**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
Ax2	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax2	**2**	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
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
Bc3	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc3	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc3	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bc3	**4**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Bx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C2	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C2	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C3-1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C4	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C4	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
C5	**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
Cx 2	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx 2	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx3	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx4-2	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx4-2	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx5	**1**	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
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
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

Normal - Modelling

Arm	Traffic Stream	Stop Weighting (%)	Delay Weighting (%)
1	**1**	100	100
3	**1**	100	100
4	**2**	100	100
4	**3**	100	100
4	**4**	100	100
4	**5**	100	100
A	**2**	100	100
A	**3**	100	100
A	**4**	100	100
A	**5**	100	100
B	**1**	100	100
B	**2**	100	100
C	**1**	100	100
C	**2**	100	100
D	**1**	100	100
D	**2**	100	100
D	**3**	100	100
E	**1**	100	100
E	**2**	100	100
E	**3**	100	100
Ac	**1**	100	100
Ac	**2**	100	100
Ac	**3**	100	100
Ax	**1**	100	100
Ax	**2**	100	100
Ax2	**1**	100	100
Ax2	**2**	100	100
Bc	**1**	100	100
Bc	**2**	100	100
Bc	**3**	100	100
Bc	**4**	100	100
Bc1	**1**	100	100
Bc1	**2**	100	100

Bc1	**3**	100	100
Bc1	**4**	100	100
Bc3	**1**	100	100
Bc3	**2**	100	100
Bc3	**3**	100	100
Bc3	**4**	100	100
Bx	**1**	100	100
C2	**1**	100	100
C2	**2**	100	100
C3-1	**1**	100	100
C4	**1**	100	100
C4	**2**	100	100
C5	**1**	100	100
Cc	**1**	100	100
Cc	**2**	100	100
Cc	**3**	100	100
Cx	**1**	100	100
Cx	**2**	100	100
Cx 2	**1**	100	100
Cx 2	**2**	100	100
Cx3	**1**	100	100
Cx4-2	**1**	100	100
Cx4-2	**2**	100	100
Cx5	**1**	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
Ec	**1**	100	100
Ec	**2**	100	100
Ec	**3**	100	100
Ex	**1**	100	100
Ex	**2**	100	100
Fx	**1**	100	100
Fx	**2**	100	100
Fx1	**1**	100	100
Fx1	**2**	100	100

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)
1	**1**	1626	1626
3	**1**	350	350
4	**2**	226	226
4	**3**	283	283
4	**4**	283	283
4	**5**	283	283
A	**2**	226	226
A	**3**	283	283

A	**4**	283	283
A	**5**	283	283
B	**1**	474	474
B	**2**	508	508
C	**1**	881	881
C	**2**	745	745
D	**1**	812	812
D	**2**	872	872
D	**3**	566	566
E	**1**	455	455
E	**2**	488	488
E	**3**	488	488
Ac	**1**	506	506
Ac	**2**	1054	1054
Ac	**3**	488	488
Ax	**1**	388	388
Ax	**2**	1023	1023
Ax2	**1**	388	388
Ax2	**2**	1023	1023
Bc	**1**	732	732
Bc	**2**	1063	1063
Bc	**3**	558	558
Bc	**4**	771	771
Bc1	**1**	521	521
Bc1	**2**	1397	1397
Bc1	**3**	777	777
Bc1	**4**	1060	1060
Bc3	**1**	382	382
Bc3	**2**	1063	1063
Bc3	**3**	558	558
Bc3	**4**	771	771
Bx	**1**	350	350
C2	**1**	914	914
C2	**2**	712	712
C3-1	**1**	0	0
C4	**1**	654	654
C4	**2**	712	712
C5	**1**	333	333
Cc	**1**	478	478
Cc	**2**	777	777
Cc	**3**	1060	1060
Cx	**1**	521	521
Cx	**2**	919	919
Cx 2	**1**	634	634
Cx 2	**2**	806	806
Cx3	**1**	0	0
Cx4-2	**1**	634	634
Cx4-2	**2**	570	570
Cx5	**1**	309	309
Dc	**1**	800	800
Dc	**2**	667	667
Dc	**3**	324	324

Dx	**1**	559	559
Dx	**2**	777	777
Dx	**3**	814	814
Dx1	**1**	559	559
Dx1	**2**	1591	1591
Ec	**1**	267	267
Ec	**2**	1195	1195
Ec	**3**	566	566
Ex	**1**	1543	1543
Ex	**2**	470	470
Fx	**1**	538	538
Fx	**2**	538	538
Fx1	**1**	509	509
Fx1	**2**	567	567

Signals

Arm	Traffic Stream	Controller Stream	Phase	Phase2 Enabled
4	**2**	11	A	
4	**3**	11	A	
4	**4**	11	A	
4	**5**	11	A	
B	**1**	9	A	
B	**2**	9	A	
C	**1**	3	A	
C	**2**	3	A	
D	**1**	2	A	
D	**2**	2	A	
D	**3**	2	A	
E	**1**	12	A	
E	**2**	12	A	
E	**3**	12	A	
Ax	**1**	5	A	
Ax	**2**	5	A	
Bc3	**1**	9	B	
Bc3	**2**	9	B	
Bc3	**3**	9	B	
Bc3	**4**	9	B	
Bx	**1**	10	A	
C4	**1**	4	D	
C4	**2**	4	D	
C5	**1**	4	C	
Cc	**1**	3	B	
Cc	**2**	3	B	
Cc	**3**	3	B	
Cx	**1**	6	A	
Cx	**2**	6	A	
Cx 2	**1**	4	A	
Cx 2	**2**	4	B	
Dc	**1**	2	B	
Dc	**2**	2	B	
Dc	**3**	2	B	
Dx	**1**	7	A	
Dx	**2**	7	A	
Dx	**3**	7	A	
Ec	**1**	12	B	
Ec	**2**	12	B	
Ec	**3**	12	B	

Entry Sources

Arm	Traffic Stream	Normal Cruise Time (seconds)	Normal Cruise Speed (kph)
B	1	20.88	48.28
B	2	20.88	48.28
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
E	3	14.91	48.28
C3-1	1	4.15	48.28
C4	1	6.46	48.28
C4	2	6.46	48.28
C5	1	4.10	48.28
Fx	1	21.62	48.28
Fx	2	21.62	48.28

Sources

Arm	Traffic Stream	Source	Source Type	Source Traffic Stream	Destination Traffic Stream	Normal Cruise Time (seconds)	Normal Cruise Speed (kph)	Auto Turning Radius	Traffic Turn Style	Turning Radius (m)
1	1	1	TrafficStream	C2/1	1/1	23.28	48.28	✓	Straight	Straight Movement
3	1	1	TrafficStream	Bx/1	3/1	20.88	48.28	✓	Straight	Straight Movement
4	2	1	TrafficStream	Fx1/1	4/2	4.47	48.28	✓	Straight	Straight Movement
4	3	1	TrafficStream	Fx1/1	4/3	7.20	30.00	✓	Straight	Straight Movement
4	4	1	TrafficStream	Fx1/2	4/4	4.47	48.28	✓	Straight	Straight Movement
4	5	1	TrafficStream	Fx1/2	4/5	7.20	30.00	✓	Straight	Straight Movement
A	2	1	TrafficStream	4/2	A/2	3.60	30.00	✓	Straight	Straight Movement
A	3	1	TrafficStream	4/3	A/3	3.60	30.00	✓	Straight	Straight Movement
A	4	1	TrafficStream	4/4	A/4	3.60	30.00	✓	Straight	Straight Movement
A	5	1	TrafficStream	4/5	A/5	3.60	30.00	✓	Straight	Straight Movement
C	1	1	TrafficStream	1/1	C/1	14.91	48.28	✓	Straight	Straight Movement
C	2	1	TrafficStream	1/1	C/2	14.91	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/3	Ac/3	4.03	48.28	✓	Straight	Straight Movement
Ax	1	1	TrafficStream	Ec/1	Ax/1	1.12	64.37	✓	Straight	Straight Movement
Ax	2	1	TrafficStream	Ec/2	Ax/2	1.12	64.37	✓	Straight	Straight Movement
Ax2	1	1	TrafficStream	Ax/1	Ax2/1	9.60	30.00	✓	Straight	Straight Movement

Ax2	**2**	**1**	TrafficStream	Ax/2	Ax2/2	9.60	30.00	✓	Straight	Straight Movement
Bc	**1**	**1**	TrafficStream	Ac/1	Bc/1	3.10	48.28	✓	Straight	Straight Movement
Bc	**2**	**1**	TrafficStream	Ac/2	Bc/2	3.10	48.28	✓	Straight	Straight Movement
Bc	**3**	**1**	TrafficStream	Ac/2	Bc/3	3.10	48.28	✓	Straight	Straight Movement
Bc	**4**	**1**	TrafficStream	Ac/3	Bc/4	3.10	48.28	✓	Straight	Straight Movement
Bc1	**1**	**1**	TrafficStream	B/1	Bc1/1	7.35	48.28	✓	Nearside	29.55
Bc1	**2**	**1**	TrafficStream	Bc3/2	Bc1/2	7.35	48.28	✓	Straight	Straight Movement
Bc1	**3**	**1**	TrafficStream	Bc3/3	Bc1/3	7.35	48.28	✓	Straight	Straight Movement
Bc1	**4**	**1**	TrafficStream	Bc3/4	Bc1/4	7.35	48.28	✓	Straight	Straight Movement
Bc3	**1**	**1**	TrafficStream	Bc/1	Bc3/1	1.51	48.28	✓	Straight	Straight Movement
Bc3	**2**	**1**	TrafficStream	Bc/2	Bc3/2	1.51	48.28	✓	Straight	Straight Movement
Bc3	**3**	**1**	TrafficStream	Bc/3	Bc3/3	1.51	48.28	✓	Straight	Straight Movement
Bc3	**4**	**1**	TrafficStream	Bc/4	Bc3/4	1.51	48.28	✓	Straight	Straight Movement
Bx	**1**	**1**	TrafficStream	Bc/1	Bx/1	1.00	48.28	✓	Nearside	22.12
C2	**1**	**1**	TrafficStream	C4/1	C2/1	23.28	48.28	✓	Straight	Straight Movement
C2	**2**	**1**	TrafficStream	C3-1/1	C2/2	23.28	48.28	✓	Straight	Straight Movement
Cc	**1**	**1**	TrafficStream	Bc1/2	Cc/1	4.85	48.28	✓	Straight	Straight Movement
Cc	**2**	**1**	TrafficStream	Bc1/3	Cc/2	4.85	48.28	✓	Straight	Straight Movement
Cc	**3**	**1**	TrafficStream	Bc1/4	Cc/3	4.85	48.28	✓	Offside	88.92
Cx	**1**	**1**	TrafficStream	Bc1/1	Cx/1	5.59	64.37	✓	Nearside	83.25
Cx	**2**	**1**	TrafficStream	Bc1/2	Cx/2	5.59	64.37	✓	Straight	Straight Movement
Cx 2	**1**	**1**	TrafficStream	Cx/1	Cx 2/1	30.87	48.28	✓	Straight	Straight Movement
Cx 2	**2**	**1**	TrafficStream	Cx/1	Cx 2/2	30.87	48.28	✓	Straight	Straight Movement
Cx3	**1**	**1**	TrafficStream	Cx 2/1	Cx3/1	4.43	48.28	✓	Straight	Straight Movement
Cx4-2	**1**	**1**	TrafficStream	Cx 2/1	Cx4-2/1	5.77	48.28	✓	Straight	Straight Movement
Cx4-2	**2**	**1**	TrafficStream	Cx 2/2	Cx4-2/2	5.77	48.28	✓	Straight	Straight Movement
Cx5	**1**	**1**	TrafficStream	C3-1/1	Cx5/1	4.67	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
Fx1	**1**	**1**	TrafficStream	Fx/1	Fx1/1	7.46	48.28	✓	Straight	Straight Movement
Fx1	**2**	**1**	TrafficStream	Fx/1	Fx1/2	7.46	48.28	✓	Straight	Straight Movement
1	**1**	**2**	TrafficStream	C2/2	1/1	23.28	48.28	✓	Straight	Straight Movement
Ac	**1**	**2**	TrafficStream	Ec/2	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	1.12	64.37	✓	Straight	Straight Movement
Ax	**2**	**2**	TrafficStream	E/1	Ax/2	1.12	64.37	✓	Straight	Straight Movement
Bc	**1**	**2**	TrafficStream	A/2	Bc/1	4.99	30.00	✓	Nearside	75.00
Bc	**2**	**2**	TrafficStream	A/3	Bc/2	4.99	30.00	✓	Nearside	95.00
Bc	**3**	**2**	TrafficStream	A/4	Bc/3	4.99	30.00	✓	Straight	Straight Movement
Bc	**4**	**2**	TrafficStream	A/5	Bc/4	4.99	30.00	✓	Straight	Straight Movement
Bc1	**1**	**2**	TrafficStream	Bc3/1	Bc1/1	7.35	48.28	✓	Straight	Straight Movement
Bc1	**2**	**2**	TrafficStream	B/1	Bc1/2	7.35	48.28	✓	Nearside	29.55
Bc1	**3**	**2**	TrafficStream	B/2	Bc1/3	7.35	48.28	✓	Nearside	49.55
Bc1	**4**	**2**	TrafficStream	B/2	Bc1/4	7.35	48.28	✓	Nearside	49.55
C2	**1**	**2**	TrafficStream	C5/1	C2/1	23.28	48.28	✓	Straight	Straight Movement
C2	**2**	**2**	TrafficStream	C4/2	C2/2	23.28	48.28	✓	Straight	Straight Movement
Cx 2	**1**	**2**	TrafficStream	Cx/2	Cx 2/1	30.87	48.28	✓	Straight	Straight Movement
Cx 2	**2**	**2**	TrafficStream	Cx/2	Cx 2/2	30.87	48.28	✓	Straight	Straight Movement
Cx3	**1**	**2**	TrafficStream	C5/1	Cx3/1	4.43	48.28	✓	Straight	Straight Movement
Cx4-2	**2**	**2**	TrafficStream	C5/1	Cx4-2/2	5.77	48.28	✓	Straight	Straight Movement
Cx5	**1**	**2**	TrafficStream	C4/1	Cx5/1	4.67	48.28	✓	Straight	Straight Movement
Dc	**1**	**2**	TrafficStream	Cc/1	Dc/1	6.71	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
Fx1	**1**	**2**	TrafficStream	Fx/2	Fx1/1	7.46	48.28	✓	Straight	Straight Movement
Fx1	**2**	**2**	TrafficStream	Fx/2	Fx1/2	7.46	48.28	✓	Straight	Straight Movement
Cx3	**1**	**3**	TrafficStream	C4/2	Cx3/1	7.12	30.00	✓	Straight	Straight Movement
Cx5	**1**	**3**	TrafficStream	Cx 2/2	Cx5/1	4.67	48.28	✓	Straight	Straight Movement

Give Way Data

Arm	Traffic Stream	Opposed Traffic	Use Step-wise Opposed Turn Model	Visibility Restricted
A	**2**	AllTraffic		
A	**3**	AllTraffic		
A	**4**	AllTraffic		
A	**5**	AllTraffic		
C3-1	**1**	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
2	Roundabout Circulating	TrafficStream	Ac/1	100	0.19		0	0
3	Roundabout Circulating	TrafficStream	Ac/1	100	0.19		0	0
3		TrafficStream	Ac/2	100	0.19		0	0
4	Roundabout Circulating	TrafficStream	Ac/1	100	0.19		0	0
4		TrafficStream	Ac/2	100	0.19		0	0
5	Roundabout Circulating	TrafficStream	Ac/1	100	0.19		0	0
5		TrafficStream	Ac/2	100	0.19		0	0
5		TrafficStream	Ac/3	100	0.19		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

Local OD Matrix - Local Matrix: 2031 AM S3

Normal Input Flows (PCU/hr)

		To						
		1	2	3	4	5	6	7
From	1	0	27	0	166	33	426	424
	2	69	0	0	225	54	622	12
	3	0	0	0	0	0	0	0
	4	266	107	0	0	33	285	675
	5	60	19	0	40	0	55	159
	6	773	168	0	455	111	0	743
	7	243	29	0	318	78	762	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 AM S3	1	(untitled)	Fx/2,Fx/1	Ax2/1,Ax2/2
2031 AM S3	2	(untitled)	B/1,B/2	3/1
2031 AM S3	3	(untitled)	C3-1/1	Cx3/1
2031 AM S3	4	(untitled)	C4/1,C4/2	Cx4-2/1,Cx4-2/2
2031 AM S3	5	(untitled)	C5/1	Cx5/1
2031 AM S3	6	(untitled)	D/1,D/2,D/3	Dx1/2,Dx1/1
2031 AM S3	7	(untitled)	E/1,E/2,E/3	Ex/1,Ex/2

Paths

OD Matrix	Path	Description	From Location	To Location	Path Items
2031 AM S3	1		6	1	D/1,Ec/1,Ax/1,Ax2/1
2031 AM S3	2		6	7	D/1,Ex/1
2031 AM S3	3		6	1	D/2,Ec/2,Ax/2,Ax2/2
2031 AM S3	4		6	2	D/2,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	5		6	3	D/2,Ec/2,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx3/1
2031 AM S3	6		6	4	D/2,Ec/2,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx4-2/1
2031 AM S3	7		6	5	D/2,Ec/2,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx5/1
2031 AM S3	8		6	4	D/2,Ec/2,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx4-2/2
2031 AM S3	9		6	6	D/3,Ec/3,Ac/2,Bc/2,Bc3/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 AM S3	10		6	3	D/3,Ec/3,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx3/1
2031 AM S3	11		6	4	D/3,Ec/3,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx4-2/1
2031 AM S3	12		6	5	D/3,Ec/3,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx5/1
2031 AM S3	13		6	4	D/3,Ec/3,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx4-2/2
2031 AM S3	14		6	6	D/3,Ec/3,Ac/2,Bc/3,Bc3/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 AM S3	15		7	1	E/1,Ax/1,Ax2/1
2031 AM S3	16		7	1	E/1,Ax/2,Ax2/2
2031 AM S3	17		7	2	E/1,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	18		7	3	E/1,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx3/1
2031 AM S3	19		7	4	E/1,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx4-2/1
2031 AM S3	20		7	5	E/1,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx5/1

2031 AM S3	**21**		7	4	E/1,Ac/1,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx4-2/2
2031 AM S3	**22**		7	7	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cc/1,Dc/1,Ex/1
2031 AM S3	**23**		7	6	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 AM S3	**24**		7	3	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx3/1
2031 AM S3	**25**		7	4	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx4-2/1
2031 AM S3	**26**		7	5	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx5/1
2031 AM S3	**27**		7	4	E/2,Ac/2,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx4-2/2
2031 AM S3	**28**		7	6	E/2,Ac/2,Bc/3,Bc3/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 AM S3	**29**		7	7	E/3,Ac/3,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 AM S3	**30**		7	6	E/3,Ac/3,Bc/4,Bc3/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 AM S3	**31**		2	3	B/1,Bc1/1,Cx/1,Cx 2/1,Cx3/1
2031 AM S3	**32**		2	4	B/1,Bc1/1,Cx/1,Cx 2/1,Cx4-2/1
2031 AM S3	**33**		2	5	B/1,Bc1/1,Cx/1,Cx 2/2,Cx5/1
2031 AM S3	**34**		2	4	B/1,Bc1/1,Cx/1,Cx 2/2,Cx4-2/2
2031 AM S3	**35**		2	7	B/1,Bc1/2,Cc/1,Dc/1,Ex/1
2031 AM S3	**36**		2	6	B/1,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 AM S3	**37**		2	3	B/1,Bc1/2,Cx/2,Cx 2/1,Cx3/1
2031 AM S3	**38**		2	4	B/1,Bc1/2,Cx/2,Cx 2/1,Cx4-2/1
2031 AM S3	**39**		2	5	B/1,Bc1/2,Cx/2,Cx 2/2,Cx5/1
2031 AM S3	**40**		2	4	B/1,Bc1/2,Cx/2,Cx 2/2,Cx4-2/2
2031 AM S3	**41**		2	6	B/2,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 AM S3	**42**		2	1	B/2,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**43**		2	7	B/2,Bc1/4,Cc/3,Dc/2,Ex/2
2031 AM S3	**44**		2	1	B/2,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**45**		2	2	B/2,Bc1/4,Cc/3,Dc/3,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	**46**		2	6	B/2,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 AM S3	**47**		3	5	C3-1/1,Cx5/1
2031 AM S3	**48**		3	7	C3-1/1,C2/2,1/1,C/1,Dc/1,Ex/1
2031 AM S3	**49**		3	6	C3-1/1,C2/2,1/1,C/1,Dx/1,Dx1/1
2031 AM S3	**50**		3	1	C3-1/1,C2/2,1/1,C/2,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**51**		3	7	C3-1/1,C2/2,1/1,C/2,Dc/2,Ex/2
2031 AM S3	**52**		3	1	C3-1/1,C2/2,1/1,C/2,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**53**		3	2	C3-1/1,C2/2,1/1,C/2,Dc/3,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	**54**		4	5	C4/1,Cx5/1
2031 AM S3	**55**		4	7	C4/1,C2/1,1/1,C/1,Dc/1,Ex/1
2031 AM S3	**56**		4	6	C4/1,C2/1,1/1,C/1,Dx/1,Dx1/1
2031 AM S3	**57**		4	1	C4/1,C2/1,1/1,C/2,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**58**		4	7	C4/1,C2/1,1/1,C/2,Dc/2,Ex/2
2031 AM S3	**59**		4	1	C4/1,C2/1,1/1,C/2,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**60**		4	2	C4/1,C2/1,1/1,C/2,Dc/3,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	**61**		4	3	C4/2,Cx3/1
2031 AM S3	**62**		4	7	C4/2,C2/2,1/1,C/1,Dc/1,Ex/1
2031 AM S3	**63**		4	6	C4/2,C2/2,1/1,C/1,Dx/1,Dx1/1
2031 AM S3	**64**		4	1	C4/2,C2/2,1/1,C/2,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**65**		4	7	C4/2,C2/2,1/1,C/2,Dc/2,Ex/2
2031 AM S3	**66**		4	1	C4/2,C2/2,1/1,C/2,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**67**		4	2	C4/2,C2/2,1/1,C/2,Dc/3,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	**68**		5	3	C5/1,Cx3/1
2031 AM S3	**69**		5	7	C5/1,C2/1,1/1,C/1,Dc/1,Ex/1
2031 AM S3	**70**		5	6	C5/1,C2/1,1/1,C/1,Dx/1,Dx1/1
2031 AM S3	**71**		5	1	C5/1,C2/1,1/1,C/2,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**72**		5	7	C5/1,C2/1,1/1,C/2,Dc/2,Ex/2

2031 AM S3	**73**		5	1	C5/1,C2/1,1/1,C/2,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**74**		5	2	C5/1,C2/1,1/1,C/2,Dc/3,Ec/2,Ac/1,Bc/1,Bx/1,3/1
2031 AM S3	**75**		5	4	C5/1,Cx4-2/2
2031 AM S3	**76**		1	2	Fx/2,Fx1/1,4/2,A/2,Bc/1,Bx/1,3/1
2031 AM S3	**77**		1	3	Fx/2,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx3/1
2031 AM S3	**78**		1	4	Fx/2,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx4-2/1
2031 AM S3	**79**		1	5	Fx/2,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx5/1
2031 AM S3	**80**		1	4	Fx/2,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx4-2/2
2031 AM S3	**81**		1	7	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cc/1,Dc/1,Ex/1
2031 AM S3	**82**		1	6	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 AM S3	**83**		1	3	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx3/1
2031 AM S3	**84**		1	4	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx4-2/1
2031 AM S3	**85**		1	5	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx5/1
2031 AM S3	**86**		1	4	Fx/2,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx4-2/2
2031 AM S3	**87**		1	6	Fx/2,Fx1/2,4/4,A/4,Bc/3,Bc3/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 AM S3	**88**		1	1	Fx/2,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**89**		1	7	Fx/2,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 AM S3	**90**		1	1	Fx/2,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**91**		1	6	Fx/2,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 AM S3	**92**		1	2	Fx/1,Fx1/1,4/2,A/2,Bc/1,Bx/1,3/1
2031 AM S3	**93**		1	3	Fx/1,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx3/1
2031 AM S3	**94**		1	4	Fx/1,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/1,Cx4-2/1
2031 AM S3	**95**		1	5	Fx/1,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx5/1
2031 AM S3	**96**		1	4	Fx/1,Fx1/1,4/2,A/2,Bc/1,Bc3/1,Bc1/1,Cx/1,Cx 2/2,Cx4-2/2
2031 AM S3	**97**		1	7	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cc/1,Dc/1,Ex/1
2031 AM S3	**98**		1	6	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 AM S3	**99**		1	3	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx3/1
2031 AM S3	**100**		1	4	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/1,Cx4-2/1
2031 AM S3	**101**		1	5	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx5/1
2031 AM S3	**102**		1	4	Fx/1,Fx1/1,4/3,A/3,Bc/2,Bc3/2,Bc1/2,Cx/2,Cx 2/2,Cx4-2/2
2031 AM S3	**103**		1	6	Fx/1,Fx1/2,4/4,A/4,Bc/3,Bc3/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 AM S3	**104**		1	1	Fx/1,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax2/1
2031 AM S3	**105**		1	7	Fx/1,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 AM S3	**106**		1	1	Fx/1,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax2/2
2031 AM S3	**107**		1	6	Fx/1,Fx1/2,4/5,A/5,Bc/4,Bc3/4,Bc1/4,Cc/3,Dx/3,Dx1/2

Normal Path Flows

OD Matrix	Path	Permitted Flow Type	Allocation Type	Fixed Flow (PCU/hr)
2031 AM S3	**1**	✓	Normal	
2031 AM S3	**2**	✓	Normal	
2031 AM S3	**3**	✓	Normal	
2031 AM S3	**4**	✓	Normal	
2031 AM S3	**5**	✓	Normal	
2031 AM S3	**6**	✓	Normal	
2031 AM S3	**7**	✓	Normal	
2031 AM S3	**8**	✓	Normal	
2031 AM S3	**9**	✓	Normal	
2031 AM S3	**10**	✓	Normal	
2031 AM S3	**11**	✓	Normal	
2031 AM S3	**12**	✓	Normal	
2031 AM S3	**13**	✓	Normal	

2031 AM S3	**14**	✓	Normal	
2031 AM S3	**15**	✓	Normal	
2031 AM S3	**16**	✓	Normal	
2031 AM S3	**17**	✓	Normal	
2031 AM S3	**18**	✓	Normal	
2031 AM S3	**19**	✓	Normal	
2031 AM S3	**20**	✓	Normal	
2031 AM S3	**21**	✓	Fixed	0
2031 AM S3	**22**	✓	Normal	
2031 AM S3	**23**	✓	Disabled	
2031 AM S3	**24**	✓	Normal	
2031 AM S3	**25**	✓	Normal	
2031 AM S3	**26**	✓	Normal	
2031 AM S3	**27**	✓	Normal	
2031 AM S3	**28**	✓	Normal	
2031 AM S3	**29**	✓	Normal	
2031 AM S3	**30**	✓	Normal	
2031 AM S3	**31**	✓	Normal	
2031 AM S3	**32**	✓	Normal	
2031 AM S3	**33**	✓	Normal	
2031 AM S3	**34**	✓	Normal	
2031 AM S3	**35**	✓	Normal	
2031 AM S3	**36**	✓	Normal	
2031 AM S3	**37**	✓	Normal	
2031 AM S3	**38**	✓	Normal	
2031 AM S3	**39**	✓	Normal	
2031 AM S3	**40**	✓	Normal	
2031 AM S3	**41**	✓	Normal	
2031 AM S3	**42**	✓	Normal	
2031 AM S3	**43**	✓	Normal	
2031 AM S3	**44**	✓	Normal	
2031 AM S3	**45**	✓	Normal	
2031 AM S3	**46**	✓	Normal	
2031 AM S3	**47**	✓	Normal	
2031 AM S3	**48**	✓	Normal	
2031 AM S3	**49**	✓	Normal	
2031 AM S3	**50**	✓	Normal	
2031 AM S3	**51**	✓	Normal	
2031 AM S3	**52**	✓	Normal	
2031 AM S3	**53**	✓	Normal	
2031 AM S3	**54**	✓	Normal	
2031 AM S3	**55**	✓	Normal	
2031 AM S3	**56**	✓	Normal	
2031 AM S3	**57**	✓	Normal	
2031 AM S3	**58**	✓	Fixed	0
2031 AM S3	**59**	✓	Normal	
2031 AM S3	**60**	✓	Normal	
2031 AM S3	**61**	✓	Normal	
2031 AM S3	**62**	✓	Normal	

2031 AM S3	**63**	✓	Normal	
2031 AM S3	**64**	✓	Normal	
2031 AM S3	**65**	✓	Normal	
2031 AM S3	**66**	✓	Normal	
2031 AM S3	**67**	✓	Normal	
2031 AM S3	**68**	✓	Normal	
2031 AM S3	**69**	✓	Normal	
2031 AM S3	**70**	✓	Normal	
2031 AM S3	**71**	✓	Normal	
2031 AM S3	**72**	✓	Normal	
2031 AM S3	**73**	✓	Normal	
2031 AM S3	**74**	✓	Normal	
2031 AM S3	**75**	✓	Normal	
2031 AM S3	**76**	✓	Normal	
2031 AM S3	**77**	✓	Normal	
2031 AM S3	**78**	✓	Normal	
2031 AM S3	**79**	✓	Normal	
2031 AM S3	**80**	✓	Normal	
2031 AM S3	**81**	✓	Normal	
2031 AM S3	**82**	✓	Normal	
2031 AM S3	**83**	✓	Normal	
2031 AM S3	**84**	✓	Normal	
2031 AM S3	**85**	✓	Normal	
2031 AM S3	**86**	✓	Normal	
2031 AM S3	**87**	✓	Normal	
2031 AM S3	**88**	✓	Normal	
2031 AM S3	**89**	✓	Normal	
2031 AM S3	**90**	✓	Normal	
2031 AM S3	**91**	✓	Normal	
2031 AM S3	**92**	✓	Normal	
2031 AM S3	**93**	✓	Normal	
2031 AM S3	**94**	✓	Normal	
2031 AM S3	**95**	✓	Normal	
2031 AM S3	**96**	✓	Normal	
2031 AM S3	**97**	✓	Normal	
2031 AM S3	**98**	✓	Normal	
2031 AM S3	**99**	✓	Normal	
2031 AM S3	**100**	✓	Normal	
2031 AM S3	**101**	✓	Normal	
2031 AM S3	**102**	✓	Normal	
2031 AM S3	**103**	✓	Normal	
2031 AM S3	**104**	✓	Normal	
2031 AM S3	**105**	✓	Normal	
2031 AM S3	**106**	✓	Normal	
2031 AM S3	**107**	✓	Normal	

Signal Timings

Network Default: 88s cycle time; 88 steps

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	✓	✓	None		

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	12,53

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	63	12	37	1	7
2	2	✓	2	B,C	17	53	36	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	✓	63	12	37
2	B	1	✓	17	58	41
2	C	1	✓	17	53	36

Intergreen Matrix for Controller Stream 2

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

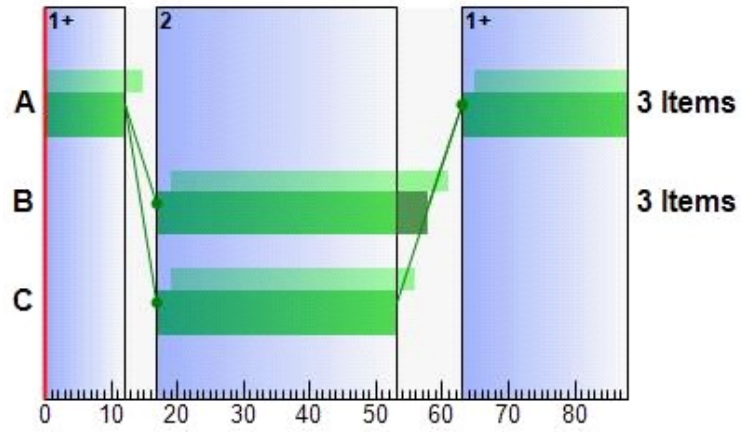
Interstage Matrix for Controller Stream 2

		To	
		1	2
From	1	0	5
	2	10	0

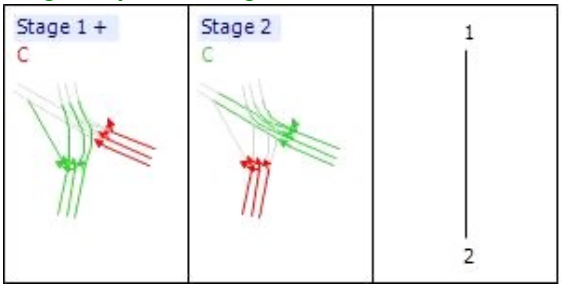
Banned Stage transitions for Controller Stream 2

		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	✓	✓	None		

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	55,20

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)
3	1	✓	1	A	34	55	21	1	7
3	2	✓	2	B,C	60	20	48	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	✓	34	55	21
3	B	1	✓	60	29	57
3	C	1	✓	60	20	48

Intergreen Matrix for Controller Stream 3

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

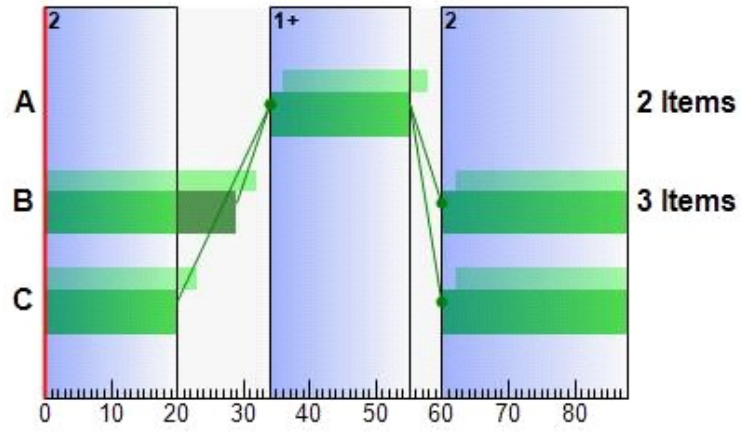
Interstage Matrix for Controller Stream 3

		To	
		1	2
From	1	0	5
	2	14	0

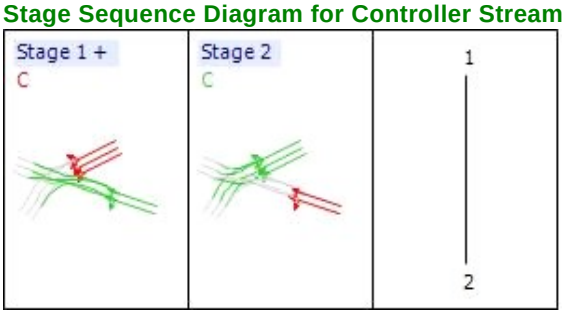
Banned Stage transitions for Controller Stream 3

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 3



Stage Sequence Diagram for Controller Stream 3



Controller Stream 4

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

Controller Stream 4 - Properties

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

Controller Stream 4 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
4	✓	✓	None		

Phases

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

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
4	1	A,B,D	1
4	2	C	1
4	3	E	1

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
4	1	(untitled)	Single	1,3,2	52,62,3
4	2	(untitled)	Single	1,2,3	0,29,53

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)
4	1	✓	1	A,B,D	9	52	43	1	7
4	2	✓	3	E	57	62	5	1	5
4	3	✓	2	C	74	3	17	1	7

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
4	A	1	✓	9	52	43
4	B	1	✓	9	52	43
4	C	1	✓	74	3	17
4	D	1	✓	8	52	44
4	E	1	✓	57	62	5

Intergreen Matrix for Controller Stream 4

		To				
		A	B	C	D	E
From	A			8		5
	B			7		5
	C	6	6		5	5
	D			8		5
	E	12	12	12	12	

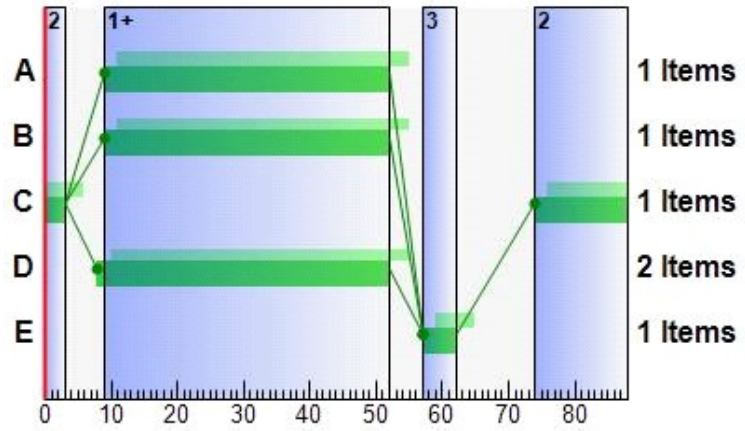
Interstage Matrix for Controller Stream 4

		To		
		1	2	3
From	1	0	8	5
	2	6	0	5
	3	12	12	0

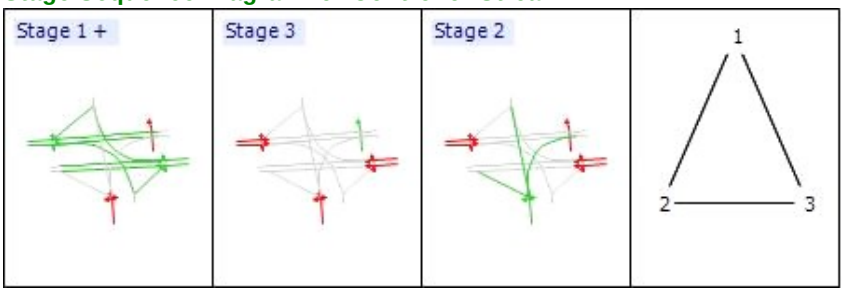
Banned Stage transitions for Controller Stream 4

		To		
		1	2	3
From	1			
	2			
	3			

Phase Timings Diagram for Controller Stream 4



Stage Sequence Diagram for Controller Stream 4



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	✓	✓	None		

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	61,71

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	82	61	67	1	7
5	**2**	✓	2	B	66	71	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**	✓	82	61	67
5	**B**	**1**	✓	66	71	5

Intergreen Matrix for Controller Stream 5

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

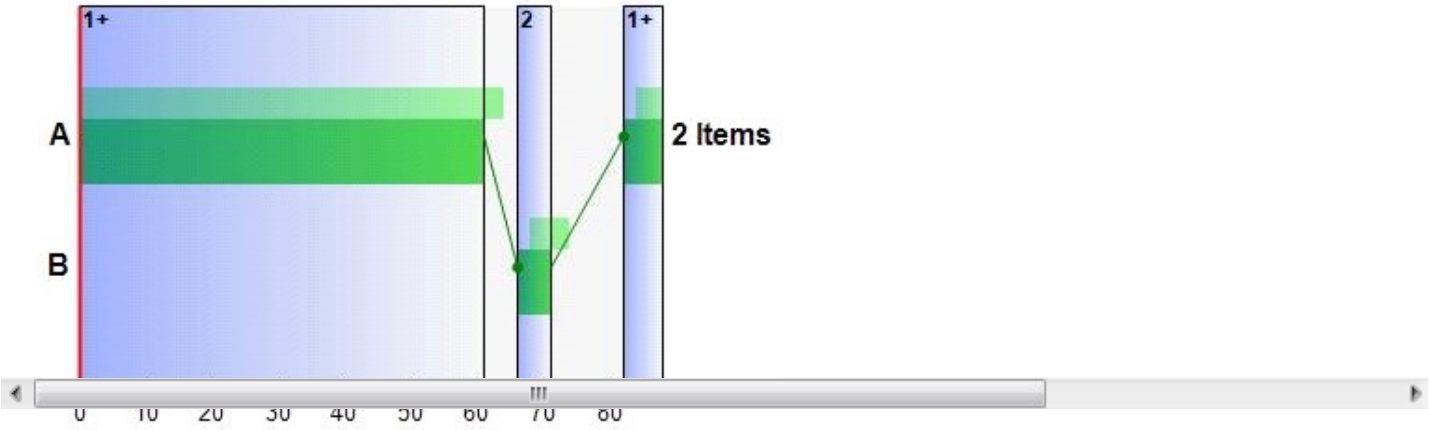
Interstage Matrix for Controller Stream 5

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

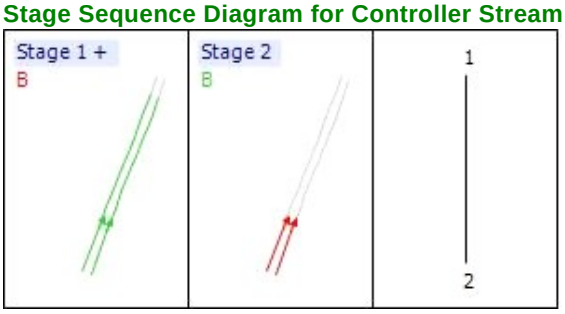
Banned Stage transitions for Controller Stream 5

		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	✓	✓	None		

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	64,74

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	82	64	70	1	7
6	**2**	✓	2	B	69	74	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**	✓	82	64	70
6	**B**	**1**	✓	69	74	5

Intergreen Matrix for Controller Stream 6

		To	
		A	B
From	A		5
	B	8	

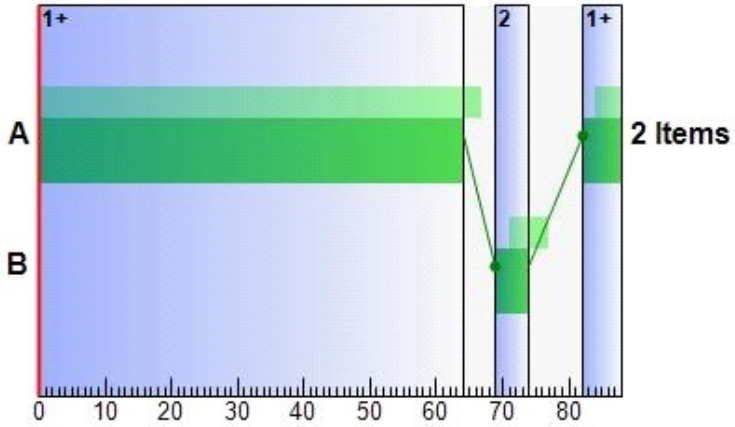
Interstage Matrix for Controller Stream 6

		To	
		1	2
From	1	0	5
	2	8	0

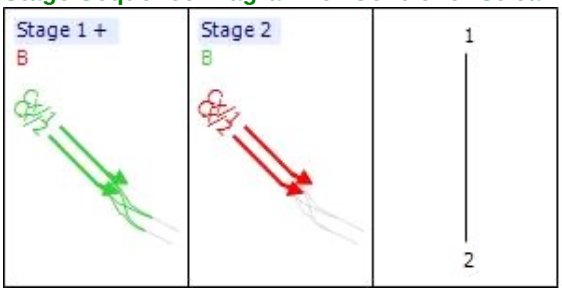
Banned Stage transitions for Controller Stream 6

		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	✓	✓	None		

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	43,53

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	63	43	68	1	7
7	2	✓	2	B	48	53	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	✓	63	43	68
7	B	1	✓	48	53	5

Intergreen Matrix for Controller Stream 7

		To	
		A	B
From	A		5
	B	10	

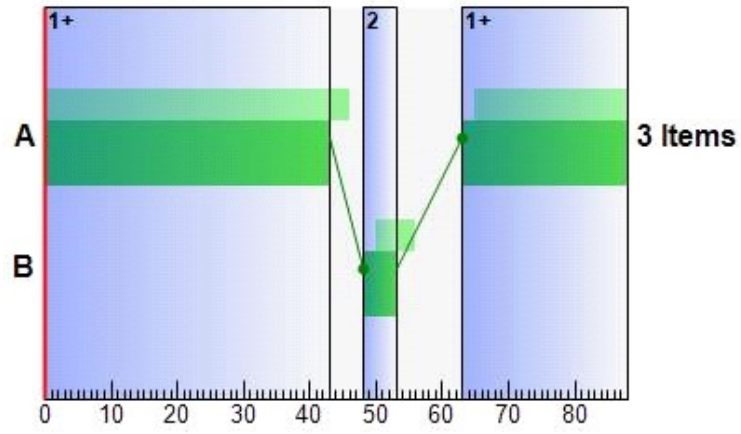
Interstage Matrix for Controller Stream 7

		To	
		1	2
From	1	0	5
	2	10	0

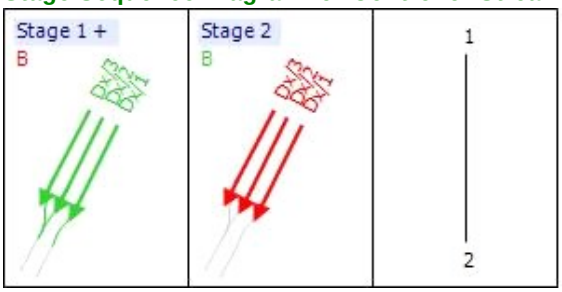
Banned Stage transitions for Controller Stream 7

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 7



Stage Sequence Diagram for Controller Stream 7



Controller Stream 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	✓	✓	None		

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
9	**C**	(untitled)	5	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,C	1

Losing/ Gaining delays at each Controller Stream

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
9	1	(untitled)	Single	1,2	67,38

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	45	67	22	1	7
9	2	✓	2	B,C	72	38	54	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
9	A	1	✓	45	67	22
9	B	1	✓	72	40	56
9	C	1	✓	72	38	54

Intergreen Matrix for Controller Stream 9

		To		
		A	B	C
From	A		5	5
	B	5		
	C	7		

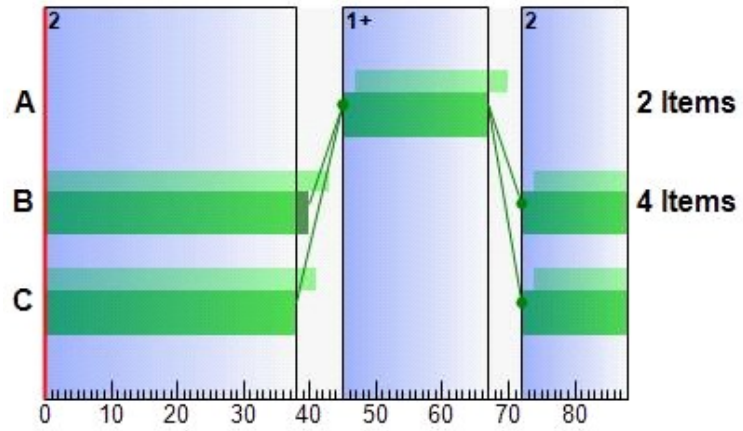
Interstage Matrix for Controller Stream 9

		To	
		1	2
From	1	0	5
	2	7	0

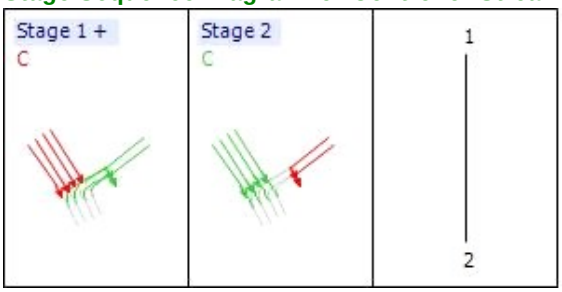
Banned Stage transitions for Controller Stream 9

		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	✓	✓	None		

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)	5	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	14,24

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	29	14	73	1	7
10	**2**	✓	2	B	19	24	5	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
10	**A**	**1**	✓	29	14	73
10	**B**	**1**	✓	19	24	5

Intergreen Matrix for Controller Stream 10

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

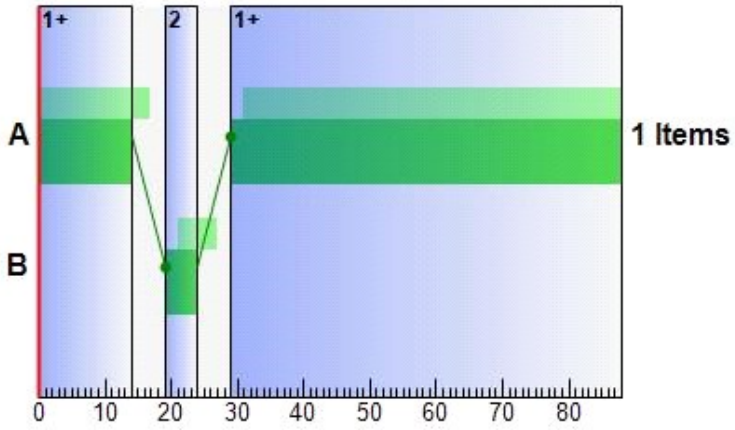
Interstage Matrix for Controller Stream 10

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

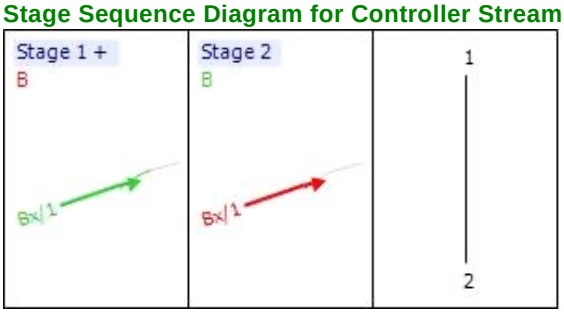
Banned Stage transitions for Controller Stream 10

		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	✓	✓	None		

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)	5	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	85,48

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)
11	**1**	✓	1	A	62	85	23	1	7
11	**2**	✓	2	B	2	48	46	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
11	**A**	**1**	✓	62	85	23
11	**B**	**1**	✓	2	48	46

Intergreen Matrix for Controller Stream 11

		To	
		A	B
From	A		5
	B	14	

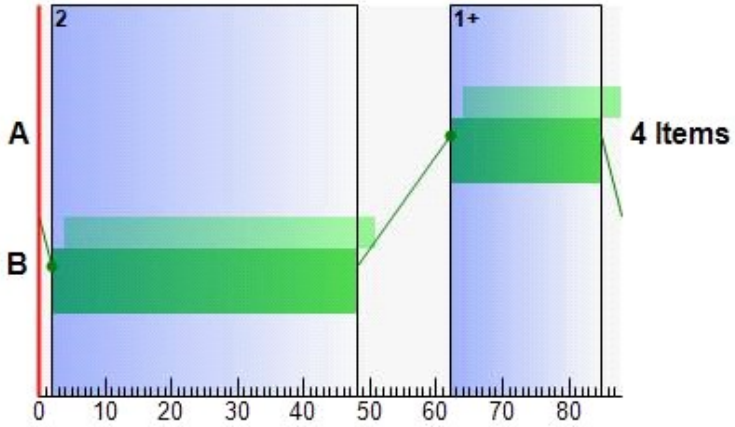
Interstage Matrix for Controller Stream 11

		To	
		1	2
From	1	0	5
	2	14	0

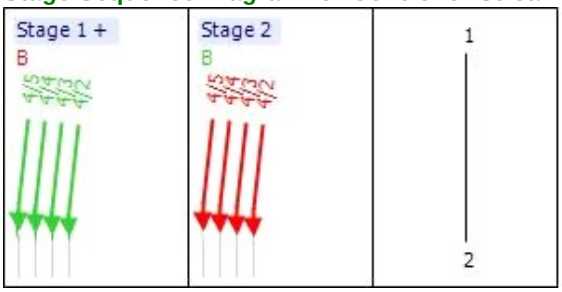
Banned Stage transitions for Controller Stream 11

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 11



Stage Sequence Diagram for Controller Stream 11



Controller Stream 12

Controller Stream	Name	Description	Use Sequence	Cycle Time Source	Cycle Time (s)
12	Walmley Ash Rd		1	NetworkDefault	88

Controller Stream 12 - Properties

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

Controller Stream 12 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
12	✓	✓	None		

Phases

Controller Stream	Phase	Name	Minimum Green (s)	Maximum Green (s)	Relative Start Displacement (s)	Relative End Displacement (s)	Type
12	A	(untitled)	7	300	0	0	Traffic
12	B	(untitled)	7	300	0	0	Traffic

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)
12	1	A	7
12	2	B	7

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
12	1	(untitled)	Single	1,2	16,79

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)
12	1	✓	1	A	84	16	20	7	7
12	2	✓	2	B	21	79	58	7	7

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
12	A	1	✓	84	16	20
12	B	1	✓	21	79	58

Intergreen Matrix for Controller Stream 12

		To	
		A	B
From	A		5
	B	5	

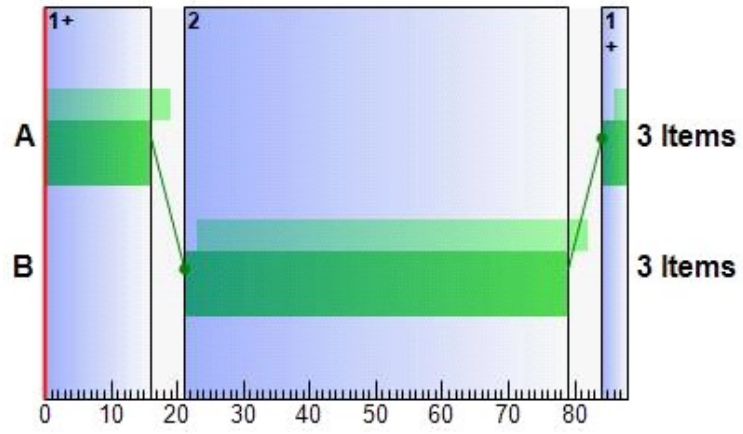
Interstage Matrix for Controller Stream 12

		To	
		1	2
From	1	0	5
	2	5	0

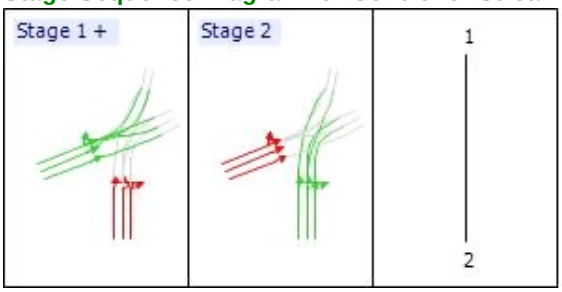
Banned Stage transitions for Controller Stream 12

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 12



Stage Sequence Diagram for Controller Stream 12



Final Prediction Table

Link Results

			SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES		W
Link	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 Queue (PCU)	Delay Weightin (%)
1 P	(untitled)	23	4	E	0 <	0	0	0.00	0	0	48.36	47.36	0.00	12.38 +	12.38	100

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUE
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)
1	1	(untitled)	25			1628	1800	88	88.00	90!	0	40.24	16.96	79.67	37.18
3	1	(untitled)				351	2128	88	8.00	16	446	21.05	0.17	0.00	0.02
4	2	(untitled)	28	11	A	230	2279	23	4.00	37	143	32.06	27.59	79.79	4.64
4	3	A38 North Entry	28	11	A	284	2279	23	13.00	46	97	36.22	29.02	83.69	5.95
4	4	(untitled)	28	11	A	284	2279	23	13.00	46	97	33.49	29.02	82.60	5.95
4	5	(untitled)	28	11	A	282	2279	23	13.00	45	98	36.16	28.96	83.33	5.91
A	2	(untitled)	1			230 <	866	88	63.00	27	239	8.63	5.03	75.84	5.41 +

A	**3**	A38 North Entry	1			284 <	665	88	54.00	43	111	17.99	14.39	89.10	7.10 +
A	**4**	(untitled)	1			284 <	665	88	43.00	43	111	17.99	14.39	89.10	7.10 +
A	**5**	(untitled)	1			282 <	573	88	38.00	49	83	24.48	20.88	90.15	7.13 +
B	**1**	(untitled)	10	9	A	473	1940	22	0.00	93!	-4	89.47	68.59	131.55	16.01
B	**2**	(untitled)	10	9	A	510	2080	22	0.00	94!	-4	89.46	68.58	131.74	17.39
C	**1**	(untitled)	3	3	A	882 <	3257 f	21	0.00	108!	-17	205.97	191.06	228.47	58.69 +
C	**2**	(untitled)	3	3	A	746	3408 f	21	0.00	88	3	59.12	44.20	106.73	20.11
D	**1**	(untitled)	4	2	A	812	2159	37	0.00	87	3	51.84	35.06	98.62	20.82
D	**2**	(untitled)	4	2	A	872	2317	37	13.00	87	3	51.10	34.33	97.88	22.17
D	**3**	(untitled)	4	2	A	567	2317	37	0.00	57	59	37.93	21.15	73.02	10.76
E	**1**	(untitled)	5	12	A	456	1930	20	11.00	99!	-9	120.32	105.41	163.10	20.14
E	**2**	(untitled)	5	12	A	488	2070	20	0.00	99!	-9	115.98	101.07	159.77	20.97
E	**3**	(untitled)	5	12	A	488	2070	20	0.00	99!	-9	115.98	101.07	159.77	20.97
Ac	**1**	(untitled)	1			506	2112	88	2.00	24	276	4.29	0.27	0.00	0.04
Ac	**2**	(untitled)	1			1055	2263	88	41.00	47	93	4.72	0.69	0.00	0.20
Ac	**3**	(untitled)	1			488	2263	88	70.00	22	317	4.25	0.22	0.00	0.03
Ax	**1**	(untitled)	8	5	A	389	1965	67	16.00	26	251	2.61	1.50	9.09	0.96
Ax	**2**	(untitled)	8	5	A	1024 <	2105	67	3.00	63	43	6.72	5.60	31.39	8.47 +
Ax2	**1**	A38 North Exit	17			389	1800	88	20.00	22	316	9.88	0.28	0.00	0.03
Ax2	**2**	A38 North Exit	17			1024	1800	88	13.00	57	58	11.01	1.41	6.64	5.91
Bc	**1**	(untitled)	6			736	1915	88	0.00	38	134	4.27	0.59	0.00	0.12
Bc	**2**	(untitled)	6			1065 <	2055	88	26.00	52	74	5.14	1.54	22.48	11.71 +
Bc	**3**	(untitled)	6			558	2055	88	39.00	27	231	4.39	0.33	0.00	0.05
Bc	**4**	(untitled)	6			770 <	2055	88	26.00	37	140	4.52	0.73	10.07	11.60 +
Bc1	**1**	(untitled)	2			524	1915	88	13.00	27	229	7.70	0.35	0.00	0.05
Bc1	**2**	(untitled)	2			1399	2055	88	0.00	68	32	9.21	1.86	0.00	0.72
Bc1	**3**	(untitled)	2			778	2055	88	18.00	38	138	7.88	0.53	0.00	0.12
Bc1	**4**	(untitled)	2			1060	2055	88	44.00	52	74	8.28	0.93	0.00	0.27
Bc3	**1**	(untitled)	10	9	B	385	1915	56	12.00	31	190	2.19	0.68	1.77	0.26
Bc3	**2**	(untitled)	10	9	B	1065	2055	56	0.00	80	12	7.11	5.59	7.45	2.26
Bc3	**3**	(untitled)	10	9	B	558	2055	56	9.00	42	115	2.51	1.00	1.91	0.37
Bc3	**4**	(untitled)	10	9	B	770	2055	56	0.00	58	56	3.65	2.14	3.62	0.98
Bx	**1**	(untitled)	27	10	A	351	2128	73	0.00	20	359	1.63	0.63	4.58	0.44
C2	**1**	(untitled)	9			915	1800	88	5.00	51	77	24.31	1.03	0.00	0.26
C2	**2**	(untitled)	9			713	1800	88	26.00	40	127	24.03	0.75	5.13	6.66
C3-1	**1**	(untitled)	23			0	0	88	88.00	0	-100	0.00	0.00	0.00	0.00
C4	**1**	(untitled)	23	4	D	654	1887	44	0.00	68	33	26.43	19.97	74.78	12.51
C4	**2**	(untitled)	23	4	D	713	2055	44	0.00	68	33	26.13	19.67	74.46	13.58
C5	**1**	(untitled)	23	4	C	334 <	1906	17	0.00	86	5	62.67	58.56	119.16	10.09 +
Cc	**1**	(untitled)	3	3	B	479	2059	57	0.00	35	155	9.09	4.24	21.91	3.10
Cc	**2**	(untitled)	3	3	B	778 <	2209	57	0.00	53	68	13.36	8.52	37.87	7.98 +

Cc	**3**	(untitled)	3	3	B	1060 <	2181	57	0.00	74	22	18.80	13.95	58.33	15.75 +
Cx	**1**	A4097 Kinsbury Road Exit	24	6	A	524	2120	70	10.00	31	194	8.17	2.58	18.95	2.79
Cx	**2**	A4097 Kinsbury Road Exit	24	6	A	920	2120	70	0.00	54	67	8.02	2.43	11.83	3.02
Cx 2	**1**	(untitled)	23	4	A	636	1915	43	0.00	66	35	51.14	20.28	58.39	9.46
Cx 2	**2**	(untitled)	23	4	B	808	2055	43	0.00	79	14	52.18	21.32	62.46	13.52
Cx3	**1**	(untitled)				0	1800	88	88.00	0	Unrestricted	0.00	0.00	0.00	0.00
Cx4-2	**1**	(untitled)				636	1800	88	39.00	35	155	6.44	0.67	6.19	7.12
Cx4-2	**2**	(untitled)				571	1800	88	21.00	32	184	6.24	0.46	0.00	0.07
Cx5	**1**	(untitled)				310	1800	88	41.00	17	423	4.88	0.21	0.00	0.02
Dc	**1**	(untitled)	4	2	B	760	2059	41	0.00	77	16	22.15	15.44	55.11	10.48
Dc	**2**	(untitled)	4	2	B	668	2172	41	6.00	64	40	17.27	10.56	47.86	8.62
Dc	**3**	(untitled)	4	2	B	324	2185	41	31.00	31	190	11.49	4.78	15.62	1.24
Dx	**1**	(untitled)	7	7	A	533	1915	68	14.00	35	154	11.75	8.62	59.89	8.84
Dx	**2**	(untitled)	7	7	A	778	2055	68	7.00	48	86	4.28	1.15	5.46	6.68
Dx	**3**	(untitled)	7	7	A	814	2055	68	7.00	51	78	4.28	1.14	1.54	3.12
Dx1	**1**	A38 South Exit				533	2155	88	11.00	25	264	14.26	0.27	0.00	0.04
Dx1	**2**	A38 South Exit				1592	2155	88	12.00	74	22	19.62	5.64	58.31	23.84
Ec	**1**	(untitled)	5	12	B	267	1995	58	15.00	20	351	7.18	3.45	17.57	1.23
Ec	**2**	(untitled)	5	12	B	1196 <	2125	58	8.00	84	7	25.19	21.46	62.65	18.18 +
Ec	**3**	(untitled)	5	12	B	567	2135	58	34.00	40	127	15.62	11.89	50.66	7.12
Ex	**1**	(untitled)				1503 <	1800	88	0.00	84	8	13.10	5.65	41.83	17.60 +
Ex	**2**	(untitled)				470	1800	88	42.00	26	245	7.81	0.36	0.52	0.58
Fx	**1**	(untitled)	20			540	2112	88	0.00	26	252	21.92	0.29	0.00	0.04
Fx	**2**	(untitled)	20			540	2263	88	0.00	24	277	21.87	0.25	0.00	0.04
Fx1	**1**	(untitled)	22			514	1800	88	0.00	29	215	7.86	0.40	0.00	0.06
Fx1	**2**	(untitled)	22			566	1800	88	0.00	31	186	7.91	0.46	0.00	0.07

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	6227.01	339.75	18.33	103.39	112.59	2260.13	556.37	464.60	3281.10
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)	6259.41	345.05	18.14	107.01	113.19	2284.13	558.71	464.60	3307.45

- *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***

Link Results

Link Results: Flows And Signals

Time Segment	Link	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	**1**	500	500	0		10000	682	73		23	0.00	5	6

Link Results: Stops And Delays

Time Segment	Link	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	**1**	1.00	47.36	5.59	0.99	93.41	93.41	0.00	0.00	0.00	0.00	0.00

Link Results: Queues And Blocking

Time Segment	Link	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	**1**	0.00	12.38	10.00	123.78	0.25	0.00	0.00	0.99	12.38	0.00	0.00	0.00	

Link Results: Advanced

Time Segment	Link	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)	Performance Index (£ per hr)
17:00-18:00	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	12.39	1.00	12.39	0.00	93.41	93.41

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	1	1	90!	0	1628	1800	88	16.96	37.18	68.48	108.94	42.12	151.06
17:00-18:00	3	1	16	446	351	2128	88	0.17	0.02	0.03	0.23	0.00	0.23
17:00-18:00	4	2	37	143	230	2279	23	27.59	4.64	44.51	10.01	1.19	11.20
17:00-18:00	4	3	46	97	284	2279	23	29.02	5.95	57.02	13.00	0.60	13.60
17:00-18:00	4	4	46	97	284	2279	23	29.02	5.95	57.02	13.00	1.52	14.53
17:00-18:00	4	5	45	98	282	2279	23	28.96	5.91	56.60	12.88	0.59	13.47
17:00-18:00	A	2	27	239	230	866	88	5.03	5.41	103.77	1.82	0.44	2.26
17:00-18:00	A	3	43	111	284	665	88	14.39	7.10	136.10	6.45	0.63	7.08
17:00-18:00	A	4	43	111	284	665	88	14.39	7.10	136.10	6.45	0.63	7.08
17:00-18:00	A	5	49	83	282	573	88	20.88	7.13	136.68	9.29	0.64	9.93
17:00-18:00	B	1	93!	-4	473	1940	22	68.59	16.01	32.88	51.19	0.00	51.19
17:00-18:00	B	2	94!	-4	510	2080	22	68.58	17.39	35.72	55.19	0.00	55.19
17:00-18:00	C	1	108!	-17	882	3257	21	191.06	58.69	168.73	265.87	0.00	265.87
17:00-18:00	C	2	88	3	746	3408	21	44.20	20.11	57.82	52.03	0.00	52.03
17:00-18:00	D	1	87	3	812	2159	37	35.06	20.82	39.90	44.91	0.00	44.91
17:00-18:00	D	2	87	3	872	2317	37	34.33	22.17	42.50	47.23	0.00	47.23
17:00-18:00	D	3	57	59	567	2317	37	21.15	10.76	20.63	18.92	0.00	18.92
17:00-18:00	E	1	99!	-9	456	1930	20	105.41	20.14	57.90	75.84	24.15	99.99
17:00-18:00	E	2	99!	-9	488	2070	20	101.07	20.97	60.29	77.82	25.32	103.14
17:00-18:00	E	3	99!	-9	488	2070	20	101.07	20.97	60.29	77.82	25.32	103.14
17:00-18:00	Ac	1	24	276	506	2112	88	0.27	0.04	0.54	0.54	0.00	0.54

17:00-18:00	Ac	2	47	93	1055	2263	88	0.69	0.20	2.90	2.89	0.00	2.89
17:00-18:00	Ac	3	22	317	488	2263	88	0.22	0.03	0.42	0.42	0.00	0.42
17:00-18:00	Ax	1	26	251	389	1965	67	1.50	0.96	27.63	2.29	2.04	4.34
17:00-18:00	Ax	2	63	43	1024	2105	67	5.60	8.47	243.51	22.61	18.55	41.16
17:00-18:00	Ax2	1	22	316	389	1800	88	0.28	0.03	0.21	0.42	0.00	0.42
17:00-18:00	Ax2	2	57	58	1024	1800	88	1.41	5.91	42.44	5.70	0.85	6.55
17:00-18:00	Bc	1	38	134	736	1915	88	0.59	0.12	1.66	1.70	0.00	1.70
17:00-18:00	Bc	2	52	74	1065	2055	88	1.54	11.71	162.04	6.48	6.31	12.78
17:00-18:00	Bc	3	27	231	558	2055	88	0.33	0.05	0.70	0.72	0.00	0.72
17:00-18:00	Bc	4	37	140	770	2055	88	0.73	11.60	160.53	2.22	2.44	4.66
17:00-18:00	Bc1	1	27	229	524	1915	88	0.35	0.05	0.30	0.73	0.00	0.73
17:00-18:00	Bc1	2	68	32	1399	2055	88	1.86	0.72	4.22	10.26	0.00	10.26
17:00-18:00	Bc1	3	38	138	778	2055	88	0.53	0.12	0.67	1.64	0.00	1.64
17:00-18:00	Bc1	4	52	74	1060	2055	88	0.93	0.27	1.60	3.90	0.00	3.90
17:00-18:00	Bc3	1	31	190	385	1915	56	0.68	0.26	7.36	1.03	0.22	1.25
17:00-18:00	Bc3	2	80	12	1065	2055	56	5.59	2.26	63.98	23.49	2.58	29.19
17:00-18:00	Bc3	3	42	115	558	2055	56	1.00	0.37	10.41	2.19	0.35	2.54
17:00-18:00	Bc3	4	58	56	770	2055	56	2.14	0.98	27.61	6.50	0.91	7.40
17:00-18:00	Bx	1	20	359	351	2128	73	0.63	0.44	25.08	0.87	0.29	1.16
17:00-18:00	C2	1	51	77	915	1800	88	1.03	0.26	0.48	3.73	0.00	3.73
17:00-18:00	C2	2	40	127	713	1800	88	0.75	6.66	12.27	2.11	1.19	3.30
17:00-18:00	C3-1	1	0	-100	0	0	88	0.00	0.00	0.00	0.00	0.00	0.00
17:00-18:00	C4	1	68	33	654	1887	44	19.97	12.51	83.08	51.51	15.88	67.39
17:00-18:00	C4	2	68	33	713	2055	44	19.67	13.58	90.17	55.33	17.24	72.57
17:00-18:00	C5	1	86	5	334	1906	17	58.56	10.09	105.54	77.16	12.92	90.08
17:00-18:00	Cc	1	35	155	479	2059	57	4.24	3.10	51.75	8.02	3.41	11.43
17:00-18:00	Cc	2	53	68	778	2209	57	8.52	7.98	132.93	26.14	9.57	41.78
17:00-18:00	Cc	3	74	22	1060	2181	57	13.95	15.75	262.42	58.33	20.08	218.10
17:00-18:00	Cx	1	31	194	524	2120	70	2.58	2.79	16.05	5.32	5.73	11.05
17:00-18:00	Cx	2	54	67	920	2120	70	2.43	3.02	17.35	8.81	6.28	15.09

17:00-18:00	Cx 2	1	66	35	636	1915	43	20.28	9.46	13.14	50.87	12.06	62.93
17:00-18:00	Cx 2	2	79	14	808	2055	43	21.32	13.52	18.78	67.94	16.39	84.33
17:00-18:00	Cx3	1	0	Unrestricted	0	1800	88	0.00	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Cx4-2	1	35	155	636	1800	88	0.67	7.12	52.86	1.68	1.28	2.95
17:00-18:00	Cx4-2	2	32	184	571	1800	88	0.46	0.07	0.55	1.05	0.00	1.05
17:00-18:00	Cx5	1	17	423	310	1800	88	0.21	0.02	0.16	0.25	0.00	0.25
17:00-18:00	Dc	1	77	16	760	2059	41	15.44	10.48	66.96	463.15	136.09	599.24
17:00-18:00	Dc	2	64	40	668	2172	41	10.56	8.62	55.06	27.83	10.38	38.21
17:00-18:00	Dc	3	31	190	324	2185	41	4.78	1.24	7.91	6.11	1.64	7.75
17:00-18:00	Dx	1	35	154	533	1915	68	8.62	8.84	90.80	18.12	18.42	36.55
17:00-18:00	Dx	2	48	86	778	2055	68	1.15	6.68	68.59	3.52	2.45	5.97
17:00-18:00	Dx	3	51	78	814	2055	68	1.14	3.12	32.05	3.67	0.72	4.40
17:00-18:00	Dx1	1	25	264	533	2155	88	0.27	0.04	0.09	0.58	0.00	0.58
17:00-18:00	Dx1	2	74	22	1592	2155	88	5.64	23.84	54.82	35.42	53.59	89.01
17:00-18:00	Ec	1	20	351	267	1995	58	3.45	1.23	14.18	3.63	1.52	5.15
17:00-18:00	Ec	2	84	7	1196	2125	58	21.46	18.18	209.06	101.25	24.33	439.11
17:00-18:00	Ec	3	40	127	567	2135	58	11.89	7.12	81.88	26.60	9.33	38.11
17:00-18:00	Ex	1	84	8	1503	1800	88	5.65	17.60	101.18	33.48	20.42	53.90
17:00-18:00	Ex	2	26	245	470	1800	88	0.36	0.58	3.31	0.66	0.08	0.74
17:00-18:00	Fx	1	26	252	540	2112	88	0.29	0.04	0.09	0.62	0.00	0.62
17:00-18:00	Fx	2	24	277	540	2263	88	0.25	0.04	0.07	0.53	0.00	0.53
17:00-18:00	Fx1	1	29	215	514	1800	88	0.40	0.06	0.33	0.81	0.00	0.81
17:00-18:00	Fx1	2	31	186	566	1800	88	0.46	0.07	0.41	1.02	0.00	1.02

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))	Eff Gr (c
17:00-18:00	1	1	1628	1628	-2		1800	1800	90!	✓	0	0.51	88	
17:00-18:00	3	1	351	351	-1		2128	2128	16		446	0.37	88	
17:00-18:00	4	2	230	230	-4	✓	2279	622	37		143	0.00	23	
17:00-18:00	4	3	284	284	-1		2279	622	46		97	0.00	23	

17:00-18:00	**4**	**4**	284	284	-1		2279	622	46		97	0.00	23	
17:00-18:00	**4**	**5**	282	282	1		2279	622	45		98	0.00	23	
17:00-18:00	**A**	**2**	230	230	-4	✓	866	866	27		239	1.43	88	
17:00-18:00	**A**	**3**	284	284	-1		665	665	43		111	1.43	88	
17:00-18:00	**A**	**4**	284	284	-1		665	665	43		111	1.43	88	
17:00-18:00	**A**	**5**	282	282	1		573	573	49		83	1.43	88	
17:00-18:00	**B**	**1**	473	473	1		1940	507	93!	✓	-4	0.00	22	
17:00-18:00	**B**	**2**	510	510	-2	✓	2080	544	94!	✓	-4	0.00	22	
17:00-18:00	**C**	**1**	882	814	-1		3257	814	108!	✓	-17	0.17	21	
17:00-18:00	**C**	**2**	746	746	-1		3408	852	88		3	0.09	21	
17:00-18:00	**D**	**1**	812	812	0		2159	932	87		3	0.00	37	
17:00-18:00	**D**	**2**	872	872	0		2317	1001	87		3	0.00	37	
17:00-18:00	**D**	**3**	567	567	-1		2317	1001	57		59	0.00	37	
17:00-18:00	**E**	**1**	456	456	-1		1930	461	99!	✓	-9	0.00	20	
17:00-18:00	**E**	**2**	488	488	0		2070	494	99!	✓	-9	0.00	20	
17:00-18:00	**E**	**3**	488	488	0		2070	494	99!	✓	-9	0.00	20	
17:00-18:00	**Ac**	**1**	506	506	0		2112	2112	24		276	0.43	88	
17:00-18:00	**Ac**	**2**	1055	1055	-1		2263	2263	47		93	0.85	88	
17:00-18:00	**Ac**	**3**	488	488	0		2263	2263	22		317	1.45	88	
17:00-18:00	**Ax**	**1**	389	389	-1	✓	1965	1518	26		251	0.75	67	
17:00-18:00	**Ax**	**2**	1024	1024	-1	✓	2105	1627	63		43	0.57	67	
17:00-18:00	**Ax2**	**1**	389	389	-1	✓	1800	1800	22		316	0.65	88	
17:00-18:00	**Ax2**	**2**	1024	1024	-1	✓	1800	1800	57		58	0.58	88	
17:00-18:00	**Bc**	**1**	736	736	-4	✓	1915	1915	38		134	0.41	88	
17:00-18:00	**Bc**	**2**	1065	1065	-2		2055	2055	52		74	0.71	88	
17:00-18:00	**Bc**	**3**	558	558	0		2055	2055	27		231	0.96	88	
17:00-18:00	**Bc**	**4**	770	770	1		2055	2055	37		140	0.83	88	
17:00-18:00	**Bc1**	**1**	524	524	-3	✓	1915	1915	27		229	0.49	88	
17:00-18:00	**Bc1**	**2**	1399	1399	-2		2055	2055	68		32	0.26	88	
17:00-18:00	**Bc1**	**3**	778	778	-1		2055	2055	38		138	0.51	88	

17:00-18:00	Bc1	4	1060	1060	0	✓	2055	2055	52		74	0.45	88	
17:00-18:00	Bc3	1	385	385	-3	✓	1915	1240	31		190	0.99	56	
17:00-18:00	Bc3	2	1065	1065	-2		2055	1331	80		12	0.71	56	
17:00-18:00	Bc3	3	558	558	0		2055	1331	42		115	0.95	56	
17:00-18:00	Bc3	4	770	770	1		2055	1331	58		56	0.83	56	
17:00-18:00	Bx	1	351	351	-1		2128	1789	20		359	0.46	73	
17:00-18:00	C2	1	915	915	-1		1800	1800	51		77	0.49	88	
17:00-18:00	C2	2	713	713	-1		1800	1800	40		127	0.84	88	
17:00-18:00	C3-1	1	0	0	0		0	0	0		-100	0.00	88	
17:00-18:00	C4	1	654	654	0		1887	965	68		33	0.00	44	
17:00-18:00	C4	2	713	713	-1		2055	1051	68		33	0.00	44	
17:00-18:00	C5	1	334	334	-1		1906	390	86		5	0.00	17	
17:00-18:00	Cc	1	479	479	-1		2059	1357	35		155	0.41	57	
17:00-18:00	Cc	2	778	778	-1		2209	1456	53		68	0.49	57	
17:00-18:00	Cc	3	1060	1060	0	✓	2181	1437	74		22	0.43	57	
17:00-18:00	Cx	1	524	524	-3	✓	2120	1710	31		194	0.46	70	
17:00-18:00	Cx	2	920	920	-1		2120	1710	54		67	0.40	70	
17:00-18:00	Cx 2	1	636	636	-2		1915	958	66		35	0.37	43	
17:00-18:00	Cx 2	2	808	808	-2	✓	2055	1028	79		14	0.35	43	
17:00-18:00	Cx3	1	0	0	0		1800	1800	0		Unrestricted	0.00	88	
17:00-18:00	Cx4-2	1	636	636	-2		1800	1800	35		155	0.95	88	
17:00-18:00	Cx4-2	2	571	571	-1		1800	1800	32		184	0.82	88	
17:00-18:00	Cx5	1	310	310	-1	✓	1800	1800	17		423	0.96	88	
17:00-18:00	Dc	1	760	760	40	✓	2059	983	77		16	0.77	41	
17:00-18:00	Dc	2	668	668	-1	✓	2172	1037	64		40	0.86	41	
17:00-18:00	Dc	3	324	324	-1	✓	2185	1043	31		190	1.25	41	
17:00-18:00	Dx	1	533	533	26	✓	1915	1502	35		154	0.89	68	
17:00-18:00	Dx	2	778	778	-1		2055	1611	48		86	0.80	68	
17:00-18:00	Dx	3	814	814	0		2055	1611	51		78	0.90	68	
17:00-18:00	Dx1	1	533	533	26	✓	2155	2155	25		264	0.95	88	

17:00-18:00	Dx1	2	1592	1592	-1		2155	2155	74		22	0.65	88	
17:00-18:00	Ec	1	267	267	0	✓	1995	1338	20		351	0.83	58	
17:00-18:00	Ec	2	1196	1196	-1	✓	2125	1425	84		7	0.68	58	
17:00-18:00	Ec	3	567	567	-1		2135	1431	40		127	1.11	58	
17:00-18:00	Ex	1	1503	1503	40	✓	1800	1800	84		8	0.35	88	
17:00-18:00	Ex	2	470	470	0		1800	1800	26		245	1.11	88	
17:00-18:00	Fx	1	540	540	-2	✓	2112	2112	26		252	0.00	88	
17:00-18:00	Fx	2	540	540	-2	✓	2263	2263	24		277	0.00	88	
17:00-18:00	Fx1	1	514	514	-5	✓	1800	1800	29		215	0.00	88	
17:00-18:00	Fx1	2	566	566	1		1800	1800	31		186	0.00	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	1	1	23.28	16.96	3.62	4.05	108.94	108.94	79.67	1135.63	161.44	42.12	42.12
17:00-18:00	3	1	20.88	0.17	0.00	0.02	0.23	0.23	0.00	0.00	0.00	0.00	0.00
17:00-18:00	4	2	4.47	27.59	1.65	0.11	25.03	10.01	79.79	179.10	4.41	5.96	1.19
17:00-18:00	4	3	7.20	29.02	2.10	0.19	32.51	13.00	83.69	229.90	7.78	2.98	0.60
17:00-18:00	4	4	4.47	29.02	2.10	0.19	32.51	13.00	82.60	226.81	7.78	7.62	1.52
17:00-18:00	4	5	7.20	28.96	2.08	0.19	32.21	12.88	83.33	227.36	7.63	2.95	0.59
17:00-18:00	A	2	3.60	5.03	0.27	0.05	4.56	1.82	75.84	172.48	1.96	2.19	0.44
17:00-18:00	A	3	3.60	14.39	0.98	0.16	16.12	6.45	89.10	246.60	6.44	3.17	0.63
17:00-18:00	A	4	3.60	14.39	0.98	0.16	16.12	6.45	89.10	246.60	6.44	3.17	0.63
17:00-18:00	A	5	3.60	20.88	1.40	0.24	23.22	9.29	90.15	244.60	9.64	3.19	0.64
17:00-18:00	B	1	20.88	68.59	4.17	4.84	127.97	51.19	131.55	443.57	178.68	20.21	0.00
17:00-18:00	B	2	20.88	68.58	4.51	5.21	137.97	55.19	131.74	479.54	192.35	21.82	0.00
17:00-18:00	C	1	14.91	191.06	7.89	38.92	664.68	265.87	228.47	811.94	1048.66	60.42	0.00
17:00-18:00	C	2	14.91	44.20	6.29	2.87	130.07	52.03	106.73	683.12	113.07	25.86	0.00
17:00-18:00	D	1	16.78	35.06	5.14	2.77	112.28	44.91	98.62	691.31	109.52	46.23	0.00
17:00-18:00	D	2	16.78	34.33	5.52	2.80	118.06	47.23	97.88	742.78	110.75	49.27	0.00

17:00-18:00	**D**	**3**	16.78	21.15	2.96	0.37	47.31	18.92	73.02	399.01	15.00	23.90	0.00
17:00-18:00	**E**	**1**	14.91	105.41	4.23	9.12	189.59	75.84	163.10	437.53	306.22	24.15	24.15
17:00-18:00	**E**	**2**	14.91	101.07	4.52	9.18	194.55	77.82	159.77	468.07	311.63	25.32	25.32
17:00-18:00	**E**	**3**	14.91	101.07	4.52	9.18	194.55	77.82	159.77	468.07	311.63	25.32	25.32
17:00-18:00	**Ac**	**1**	4.03	0.27	0.00	0.04	0.54	0.54	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Ac**	**2**	4.03	0.69	0.00	0.20	2.89	2.89	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Ac**	**3**	4.03	0.22	0.00	0.03	0.42	0.42	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Ax**	**1**	1.12	1.50	0.12	0.04	2.29	2.29	9.09	33.56	1.80	2.04	2.04
17:00-18:00	**Ax**	**2**	1.12	5.60	1.06	0.53	22.61	22.61	31.39	299.72	21.68	18.55	18.55
17:00-18:00	**Ax2**	**1**	9.60	0.28	0.00	0.03	0.42	0.42	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Ax2**	**2**	9.60	1.41	0.03	0.37	5.70	5.70	6.64	52.70	15.26	0.85	0.85
17:00-18:00	**Bc**	**1**	3.69	0.59	0.00	0.12	1.70	1.70	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Bc**	**2**	3.60	1.54	0.18	0.28	6.48	6.48	22.48	216.72	22.65	6.31	6.31
17:00-18:00	**Bc**	**3**	4.06	0.33	0.00	0.05	0.72	0.72	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Bc**	**4**	3.79	0.73	0.04	0.11	2.22	2.22	10.07	72.92	4.58	2.44	2.44
17:00-18:00	**Bc1**	**1**	7.35	0.35	0.00	0.05	0.73	0.73	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Bc1**	**2**	7.35	1.86	0.00	0.72	10.26	10.26	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Bc1**	**3**	7.35	0.53	0.00	0.12	1.64	1.64	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Bc1**	**4**	7.35	0.93	0.00	0.27	3.90	3.90	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Bc3**	**1**	1.51	0.68	0.00	0.07	1.03	1.03	1.77	3.96	2.85	0.22	0.22
17:00-18:00	**Bc3**	**2**	1.51	5.59	0.08	1.57	23.49	23.49	7.45	15.91	63.39	2.58	2.58
17:00-18:00	**Bc3**	**3**	1.51	1.00	0.00	0.15	2.19	2.19	1.91	4.52	6.16	0.35	0.35
17:00-18:00	**Bc3**	**4**	1.51	2.14	0.06	0.40	6.50	6.50	3.62	11.80	16.10	0.91	0.91
17:00-18:00	**Bx**	**1**	1.00	0.63	0.04	0.02	0.87	0.87	4.58	15.08	0.98	0.29	0.29
17:00-18:00	**C2**	**1**	23.28	1.03	0.00	0.26	3.73	3.73	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**C2**	**2**	23.28	0.75	0.02	0.13	2.11	2.11	5.13	31.26	5.30	1.19	1.19
17:00-18:00	**C3-1**	**1**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**C4**	**1**	6.46	19.97	2.92	0.71	51.51	51.51	74.78	460.45	28.58	15.88	15.88
17:00-18:00	**C4**	**2**	6.46	19.67	3.19	0.71	55.33	55.33	74.46	502.16	28.76	17.24	17.24
17:00-18:00	**C5**	**1**	4.10	58.56	3.13	2.30	77.16	77.16	119.16	310.19	87.81	12.92	12.92

17:00-18:00	Cc	1	4.85	4.24	0.47	0.10	8.02	8.02	21.91	101.00	3.93	3.41	3.41
17:00-18:00	Cc	2	4.85	8.52	1.53	0.31	26.14	26.14	37.87	282.17	12.46	9.57	9.57
17:00-18:00	Cc	3	4.85	13.95	3.08	1.03	58.33	58.33	58.33	576.76	41.55	20.08	20.08
17:00-18:00	Cx	1	5.59	2.58	0.31	0.07	5.32	5.32	18.95	96.52	2.76	5.73	5.73
17:00-18:00	Cx	2	5.59	2.43	0.31	0.31	8.81	8.81	11.83	96.08	12.73	6.28	6.28
17:00-18:00	Cx 2	1	30.87	20.28	2.93	0.65	50.87	50.87	58.39	344.98	26.38	12.06	12.06
17:00-18:00	Cx 2	2	30.87	21.32	3.37	1.42	67.94	67.94	62.46	447.68	57.01	16.39	16.39
17:00-18:00	Cx3	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Cx4-2	1	5.77	0.67	0.02	0.10	1.68	1.68	6.19	35.44	3.94	1.28	1.28
17:00-18:00	Cx4-2	2	5.77	0.46	0.00	0.07	1.05	1.05	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Cx5	1	4.67	0.21	0.00	0.02	0.25	0.25	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Dc	1	6.71	15.44	1.96	1.30	46.31	463.15	55.11	366.83	52.24	13.61	136.09
17:00-18:00	Dc	2	6.71	10.56	1.38	0.58	27.83	27.83	47.86	273.10	46.62	10.38	10.38
17:00-18:00	Dc	3	6.71	4.78	0.36	0.07	6.11	6.11	15.62	47.75	2.86	1.64	1.64
17:00-18:00	Dx	1	3.13	8.62	1.18	0.10	18.12	18.12	59.89	315.18	3.98	18.42	18.42
17:00-18:00	Dx	2	3.13	1.15	0.02	0.23	3.52	3.52	5.46	33.28	9.18	2.45	2.45
17:00-18:00	Dx	3	3.13	1.14	0.00	0.26	3.67	3.67	1.54	2.02	10.50	0.72	0.72
17:00-18:00	Dx1	1	13.98	0.27	0.00	0.04	0.58	0.58	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Dx1	2	13.98	5.64	1.46	1.04	35.42	35.42	58.31	844.53	83.80	53.59	53.59
17:00-18:00	Ec	1	3.73	3.45	0.23	0.02	3.63	3.63	17.57	45.88	1.02	1.52	1.52
17:00-18:00	Ec	2	3.73	21.46	4.99	2.14	101.25	101.25	62.65	663.35	85.93	24.33	24.33
17:00-18:00	Ec	3	3.73	11.89	1.74	0.13	26.60	26.60	50.66	281.97	5.30	9.33	9.33
17:00-18:00	Ex	1	7.46	5.65	0.28	2.08	33.48	33.48	41.83	384.50	244.33	20.42	20.42
17:00-18:00	Ex	2	7.46	0.36	0.00	0.05	0.66	0.66	0.52	0.55	1.88	0.08	0.08
17:00-18:00	Fx	1	21.62	0.29	0.00	0.04	0.62	0.62	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Fx	2	21.62	0.25	0.00	0.04	0.53	0.53	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Fx1	1	7.46	0.40	0.00	0.06	0.81	0.81	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Fx1	2	7.46	0.46	0.00	0.07	1.02	1.02	0.00	0.00	0.00	0.00	0.00

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	1	1	0.00	37.18	54.30	68.48	0.00	0.00	0.00			0.00	88.00	88.00	
17:00-18:00	3	1	0.00	0.02	48.70	0.03	0.00	0.00	0.00			8.00	0.00	8.00	
17:00-18:00	4	2	0.00	4.64	10.43	44.51	0.00	0.00	0.00	0.11	4.20	0.00	4.00	4.00	
17:00-18:00	4	3	0.00	5.95	10.43	57.02	0.00	0.00	0.00	0.19	5.24	0.00	13.00	13.00	
17:00-18:00	4	4	0.00	5.95	10.43	57.02	0.00	0.00	0.00	0.19	5.24	0.00	13.00	13.00	
17:00-18:00	4	5	0.00	5.91	10.43	56.60	0.00	0.00	0.00	0.19	5.20	0.00	13.00	13.00	
17:00-18:00	A	2	0.00	5.41	5.22	103.77	0.00	0.00	0.00			63.00	0.00	63.00	
17:00-18:00	A	3	0.00	7.10	5.22	136.10	0.63	0.00	0.00			43.00	11.00	54.00	
17:00-18:00	A	4	0.00	7.10	5.22	136.10	0.63	0.00	0.00			43.00	0.00	43.00	
17:00-18:00	A	5	0.00	7.13	5.22	136.68	0.93	0.00	0.00			30.00	8.00	38.00	
17:00-18:00	B	1	0.00	16.01	48.70	32.88	0.00	0.00	0.00	4.84	13.38	0.00	0.00	0.00	
17:00-18:00	B	2	0.00	17.39	48.70	35.72	0.00	0.00	0.00	5.21	14.42	0.00	0.00	0.00	
17:00-18:00	C	1	0.00	58.69	34.78	168.73	13.89	0.00	0.00	38.92	54.41	0.00	0.00	0.00	
17:00-18:00	C	2	0.00	20.11	34.78	57.82	0.00	0.00	0.00	2.87	16.86	0.00	0.00	0.00	
17:00-18:00	D	1	0.00	20.82	52.17	39.90	0.00	0.00	0.00	2.77	14.05	0.00	0.00	0.00	
17:00-18:00	D	2	0.00	22.17	52.17	42.50	0.00	0.00	0.00	2.80	14.91	0.00	13.00	13.00	
17:00-18:00	D	3	0.00	10.76	52.17	20.63	0.00	0.00	0.00	0.37	8.24	0.00	0.00	0.00	
17:00-18:00	E	1	0.00	20.14	34.78	57.90	0.00	0.00	0.00	9.12	17.61	0.00	11.00	11.00	
17:00-18:00	E	2	0.00	20.97	34.78	60.29	0.00	0.00	0.00	9.18	18.26	0.00	0.00	0.00	
17:00-18:00	E	3	0.00	20.97	34.78	60.29	0.00	0.00	0.00	9.18	18.26	0.00	0.00	0.00	
17:00-18:00	Ac	1	0.00	0.04	7.00	0.54	0.00	0.00	0.00			2.00	0.00	2.00	
17:00-18:00	Ac	2	0.00	0.20	7.00	2.90	0.00	0.00	0.00			30.00	11.00	41.00	
17:00-18:00	Ac	3	0.00	0.03	7.00	0.42	0.00	0.00	0.00			62.00	8.00	70.00	
17:00-18:00	Ax	1	0.00	0.96	3.48	27.63	0.00	0.00	0.00	0.04	0.96	16.00	0.00	16.00	
17:00-18:00	Ax	2	0.00	8.47	3.48	243.51	0.82	0.94	0.00	0.53	7.04	3.00	0.00	3.00	
17:00-18:00	Ax2	1	0.00	0.03	13.91	0.21	0.00	0.00	0.00			20.00	0.00	20.00	
17:00-18:00	Ax2	2	0.00	5.91	13.91	42.44	0.00	0.00	0.00			13.00	0.00	13.00	
17:00-18:00	Bc	1	0.00	0.12	7.23	1.66	0.00	0.00	0.00			0.00	0.00	0.00	

17:00-18:00	**Bc**	**2**	0.00	11.71	7.23	162.04	0.31	0.00	0.00			26.00	0.00	26.00	
17:00-18:00	**Bc**	**3**	0.00	0.05	7.23	0.70	0.00	0.00	0.00			39.00	0.00	39.00	
17:00-18:00	**Bc**	**4**	0.00	11.60	7.23	160.53	0.23	0.00	0.00			26.00	0.00	26.00	
17:00-18:00	**Bc1**	**1**	0.00	0.05	17.14	0.30	0.00	0.00	0.00			13.00	0.00	13.00	
17:00-18:00	**Bc1**	**2**	0.00	0.72	17.14	4.22	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	**Bc1**	**3**	0.00	0.12	17.14	0.67	0.00	0.00	0.00			9.00	9.00	18.00	
17:00-18:00	**Bc1**	**4**	0.00	0.27	17.14	1.60	0.00	0.00	0.00			0.00	44.00	44.00	
17:00-18:00	**Bc3**	**1**	0.00	0.26	3.53	7.36	0.00	0.00	0.00	0.07	0.26	12.00	0.00	12.00	
17:00-18:00	**Bc3**	**2**	0.00	2.26	3.53	63.98	0.00	0.00	3.13	1.57	2.02	0.00	0.00	0.00	
17:00-18:00	**Bc3**	**3**	0.00	0.37	3.53	10.41	0.00	0.00	0.00	0.15	0.37	9.00	0.00	9.00	
17:00-18:00	**Bc3**	**4**	0.00	0.98	3.53	27.61	0.00	0.00	0.00	0.40	0.79	0.00	0.00	0.00	
17:00-18:00	**Bx**	**1**	0.00	0.44	1.74	25.08	0.00	0.00	0.00	0.02	0.44	0.00	0.00	0.00	
17:00-18:00	**C2**	**1**	0.00	0.26	54.30	0.48	0.00	0.00	0.00			5.00	0.00	5.00	
17:00-18:00	**C2**	**2**	0.00	6.66	54.30	12.27	0.00	0.00	0.00			26.00	0.00	26.00	
17:00-18:00	**C3-1**	**1**	0.00	0.00	9.67	0.00	0.00	0.00	0.00			88.00	0.00	88.00	
17:00-18:00	**C4**	**1**	0.00	12.51	15.06	83.08	0.00	0.00	0.00	0.71	8.52	0.00	0.00	0.00	
17:00-18:00	**C4**	**2**	0.00	13.58	15.06	90.17	0.00	0.00	0.00	0.71	9.23	0.00	0.00	0.00	
17:00-18:00	**C5**	**1**	0.00	10.09	9.57	105.54	0.02	0.00	0.00	2.30	8.80	0.00	0.00	0.00	
17:00-18:00	**Cc**	**1**	0.00	3.10	6.00	51.75	0.00	0.00	0.00	0.10	2.12	0.00	0.00	0.00	
17:00-18:00	**Cc**	**2**	0.00	7.98	6.00	132.93	0.10	0.10	6.08	0.31	5.15	0.00	0.00	0.00	
17:00-18:00	**Cc**	**3**	0.00	15.75	6.00	262.42	2.33	2.33	139.69	1.03	9.26	0.00	0.00	0.00	
17:00-18:00	**Cx**	**1**	0.00	2.79	17.39	16.05	0.00	0.00	0.00	0.07	2.33	10.00	0.00	10.00	
17:00-18:00	**Cx**	**2**	0.00	3.02	17.39	17.35	0.00	0.00	0.00	0.31	2.58	0.00	0.00	0.00	
17:00-18:00	**Cx 2**	**1**	0.00	9.46	71.99	13.14	0.00	0.00	0.00	0.65	8.22	0.00	0.00	0.00	
17:00-18:00	**Cx 2**	**2**	0.00	13.52	71.99	18.78	0.00	0.00	0.00	1.42	10.19	0.00	0.00	0.00	
17:00-18:00	**Cx3**	**1**	0.00	0.00	10.32	0.00	0.00	0.00	0.00			88.00	0.00	88.00	
17:00-18:00	**Cx4-2**	**1**	0.00	7.12	13.47	52.86	0.00	0.00	0.00			39.00	0.00	39.00	
17:00-18:00	**Cx4-2**	**2**	0.00	0.07	13.47	0.55	0.00	0.00	0.00			21.00	0.00	21.00	
17:00-18:00	**Cx5**	**1**	0.00	0.02	10.89	0.16	0.00	0.00	0.00			41.00	0.00	41.00	
17:00-18:00	**Dc**	**1**	0.00	10.48	15.65	66.96	0.00	0.00	0.00	1.33	6.31	0.00	0.00	0.00	

17:00-18:00	Dc	2	0.00	8.62	15.65	55.06	0.00	0.00	0.00	0.58	5.14	6.00	0.00	6.00	
17:00-18:00	Dc	3	0.00	1.24	15.65	7.91	0.00	0.00	0.00	0.07	1.24	20.00	11.00	31.00	
17:00-18:00	Dx	1	0.00	8.84	9.74	90.80	0.00	0.00	0.00	0.10	5.16	14.00	0.00	14.00	
17:00-18:00	Dx	2	0.00	6.68	9.74	68.59	0.00	0.00	0.00	0.23	0.23	7.00	0.00	7.00	
17:00-18:00	Dx	3	0.00	3.12	9.74	32.05	0.00	0.00	0.00	0.26	0.26	7.00	0.00	7.00	
17:00-18:00	Dx1	1	0.00	0.04	43.48	0.09	0.00	0.00	0.00			11.00	0.00	11.00	
17:00-18:00	Dx1	2	0.00	23.84	43.48	54.82	0.00	0.00	0.00			12.00	0.00	12.00	
17:00-18:00	Ec	1	0.00	1.23	8.70	14.18	0.00	0.00	0.00	0.02	1.14	15.00	0.00	15.00	
17:00-18:00	Ec	2	0.00	18.18	8.70	209.06	3.62	5.23	313.54	2.64	15.90	1.00	7.00	8.00	
17:00-18:00	Ec	3	0.00	7.12	8.70	81.88	0.00	0.04	2.17	0.60	6.11	34.00	0.00	34.00	
17:00-18:00	Ex	1	0.00	17.60	17.39	101.18	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Ex	2	0.00	0.58	17.39	3.31	0.00	0.00	0.00			42.00	0.00	42.00	
17:00-18:00	Fx	1	0.00	0.04	50.43	0.09	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Fx	2	0.00	0.04	50.43	0.07	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Fx1	1	0.00	0.06	17.39	0.33	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Fx1	2	0.00	0.07	17.39	0.41	0.00	0.00	0.00			0.00	0.00	0.00	

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	108	58.69	814	-17
17:00-18:00	C	2	✓	Quick Flare	88	20.11	852	3

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)	Perfor Index (hr
17:00-18:00	1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	37.30			0.00	151.06	151.
17:00-18:00	3	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.02			0.00	0.23	0.2
17:00-18:00	4	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.64	0.11	4.20	0.00	30.99	11.
17:00-18:00	4	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.95	0.19	5.24	0.00	35.49	13.
17:00-18:00	4	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.95	0.19	5.24	0.00	40.12	14.
17:00-18:00	4	5	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.91	0.19	5.20	0.00	35.16	13.

17:00-18:00	**A**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.41			0.00	6.75	2.2
17:00-18:00	**A**	**3**	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.10			0.00	19.29	7.0
17:00-18:00	**A**	**4**	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.10			0.00	19.29	7.0
17:00-18:00	**A**	**5**	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.13			0.00	26.41	9.9
17:00-18:00	**B**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	16.62	5.46	14.00	0.00	148.18	51.
17:00-18:00	**B**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	18.09	5.91	15.12	0.00	159.79	55.
17:00-18:00	**C**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	92.90	73.13	88.62	0.00	725.11	265.
17:00-18:00	**C**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	20.21	2.97	16.96	0.00	155.93	52.
17:00-18:00	**D**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	20.90	2.85	14.13	0.00	158.51	44.
17:00-18:00	**D**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	22.25	2.87	14.98	0.00	167.33	47.
17:00-18:00	**D**	**3**	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.76	0.37	8.24	0.00	71.21	18.
17:00-18:00	**E**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	23.53	12.51	20.99	0.00	213.74	99.
17:00-18:00	**E**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	24.23	12.43	21.52	0.00	219.87	103.
17:00-18:00	**E**	**3**	0.00	0.00	0.00	0.00	0.00	✓	0.00	24.23	12.43	21.52	0.00	219.87	103.
17:00-18:00	**Ac**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.04			0.00	0.54	0.5
17:00-18:00	**Ac**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.20			0.00	2.89	2.8
17:00-18:00	**Ac**	**3**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.03			0.00	0.42	0.4
17:00-18:00	**Ax**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.96	0.04	0.96	0.00	4.34	4.3
17:00-18:00	**Ax**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	8.47	0.53	7.05	0.00	41.16	41.
17:00-18:00	**Ax2**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.03			0.00	0.42	0.4
17:00-18:00	**Ax2**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.91			0.00	6.55	6.5
17:00-18:00	**Bc**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.12			0.00	1.70	1.7
17:00-18:00	**Bc**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	11.71			0.00	12.78	12.
17:00-18:00	**Bc**	**3**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.05			0.00	0.72	0.7
17:00-18:00	**Bc**	**4**	0.00	0.00	0.00	0.00	0.00	✓	0.00	11.60			0.00	4.66	4.6
17:00-18:00	**Bc1**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.05			0.00	0.73	0.7
17:00-18:00	**Bc1**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.72			0.00	10.26	10.
17:00-18:00	**Bc1**	**3**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.12			0.00	1.64	1.6
17:00-18:00	**Bc1**	**4**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.27			0.00	3.90	3.9
17:00-18:00	**Bc3**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.26	0.07	0.26	0.00	1.25	1.2

17:00-18:00	Bc3	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.27	1.59	2.03	3.13	26.06	29.
17:00-18:00	Bc3	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.37	0.15	0.37	0.00	2.54	2.5
17:00-18:00	Bc3	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.98	0.40	0.79	0.00	7.40	7.4
17:00-18:00	Bx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.44	0.02	0.44	0.00	1.16	1.1
17:00-18:00	C2	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.26			0.00	3.73	3.7
17:00-18:00	C2	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.66			0.00	3.30	3.3
17:00-18:00	C3-1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.00			0.00	0.00	0.0
17:00-18:00	C4	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	12.52	0.71	8.52	0.00	67.39	67.
17:00-18:00	C4	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	13.59	0.71	9.23	0.00	72.57	72.
17:00-18:00	C5	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.21	2.42	8.91	0.00	90.08	90.
17:00-18:00	Cc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.10	0.10	2.12	0.00	11.43	11.
17:00-18:00	Cc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.98	0.31	5.15	6.08	35.71	41.
17:00-18:00	Cc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	15.75	1.03	9.27	139.69	78.41	218.
17:00-18:00	Cx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.79	0.07	2.33	0.00	11.05	11.
17:00-18:00	Cx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.02	0.31	2.58	0.00	15.09	15.
17:00-18:00	Cx 2	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.46	0.65	8.23	0.00	62.93	62.
17:00-18:00	Cx 2	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	13.53	1.43	10.20	0.00	84.33	84.
17:00-18:00	Cx3	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.00			0.00	0.00	0.0
17:00-18:00	Cx4-2	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.12			0.00	2.95	2.9
17:00-18:00	Cx4-2	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.07			0.00	1.05	1.0
17:00-18:00	Cx5	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.02			0.00	0.25	0.2
17:00-18:00	Dc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.49	1.34	6.33	0.00	59.92	599.
17:00-18:00	Dc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	8.62	0.58	5.14	0.00	38.21	38.
17:00-18:00	Dc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.24	0.07	1.24	0.00	7.75	7.7
17:00-18:00	Dx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	8.84	0.10	5.16	0.00	36.55	36.
17:00-18:00	Dx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.68	0.23	0.23	0.00	5.97	5.9
17:00-18:00	Dx	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.12	0.26	0.26	0.00	4.40	4.4
17:00-18:00	Dx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.04			0.00	0.58	0.5
17:00-18:00	Dx1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	23.84			0.00	89.01	89.
17:00-18:00	Ec	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.23	0.02	1.14	0.00	5.15	5.1

17:00-18:00	Ec	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	18.21	2.67	15.93	313.54	125.58	439.
17:00-18:00	Ec	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.12	0.60	6.11	2.17	35.93	38.
17:00-18:00	Ex	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	17.62			0.00	53.90	53.
17:00-18:00	Ex	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.58			0.00	0.74	0.7
17:00-18:00	Fx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.04			0.00	0.62	0.6
17:00-18:00	Fx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.04			0.00	0.53	0.5
17:00-18:00	Fx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.06			0.00	0.81	0.8
17:00-18:00	Fx1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.07			0.00	1.02	1.0

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 11:44:58	26/06/2014 11:45:06	17:00	88	215.98	108.31	C/1	7	9	C/1	C3-1/1	C3-1/1	

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	108!	-100	46464	4423	16.05	2166.71	556.37	3187.68

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	108!	500	5	0.50	93.41	93.41

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	46964	46896	63	✓	108!	✓	-100	4428	4469

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	9.49	16.56	103.39	112.59	3066.87	2260.13	40.35	14894.24	3900.87	697.19	556.37

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	1514.22	464.60	775.00	245.00	1020.00

Network Results: Journey Times

Time Segment	Distance Travelled (PCU-km/hr)	Time Spent (PCU-hr/hr)	Mean Journey Speed (kph)
17:00-18:00	6227.01	339.75	18.33

Capabilities on project:
Transportation

Appendix F – Cost Estimate

Client	**BIRMINGHAM CITY COUNCIL**
Project Name	**Peddimore Access: Minworth Road**
Project Number	**60316941**
Calculation number	**60316941/COST/AC/003**
Location	**60316941/03/Cost Estimate/Minworth Road**
Prepared by	**AC**
Date	**06/05/2014**
Checked by	**PSE**

Title **PRELIMINARY COST ESTIMATE**

SUMMARY SHEET

Series	Description			**COST (£)**
200	Site Clearance			12510.15
300	Fencing			2371.20
400	Safety Fencing, Barriers and Guard Rails			0.00
500	Drainage and Service Ducts			283974.76
600	Earthworks			284327.46
700	Pavement			581746.06
1100	Footways and Paved Areas			86371.74
1200	Traffic signs and Road Markings			72077.69
1300	Lighting Columns and CCTV Masts			10324.57
1400	Electrical Works for Lighting Columns and Traffic Signs			36907.00
1700	Structural Concrete			0.00
2400	Brickwork, Blockwork and Stonework			0.00
2600	Miscellaneous			0.00
3000	Landscaping and Ecology			18352.46
TSE	Traffic Signal Equipment			247637.00
			Subtotal	1636600.11
	PRELIMINARIES @	20%		327320.02
	TRAFFIC MANAGEMENT	45%		736470.05
			Subtotal	2700390.18
	SCHEME DEVELOPMENT FEES @	10%		270039.02
			Subtotal	2970429.19
	OPTIMISM BIAS	44%		1306988.85
			TOTAL	**4277418.04**

Notes

Based on Drg 60316941-SKE-30-CT-0001

Standard Caveats and exclusions:

** - Land 3rd Party Land acquisition costs and accommodation works costs*

** - Dedication of Land, Land to be passed over to the council as highway.*

** - Legal costs*

** - Landscaping design*

** - Statutory Undertakers design fee*

** - Statutory Undertakers diversion and or protection costs*

** - Third Party Ground Investigation costs. Trial Pits and Geotechnical surveying will be supplied by third parties*

** - Traffic Regulation Orders & any associated TRO consultation*

** - Contract documentation for appointment of the preferred contractor, as this is being progressed by others.*

** - Tendering of the works*

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