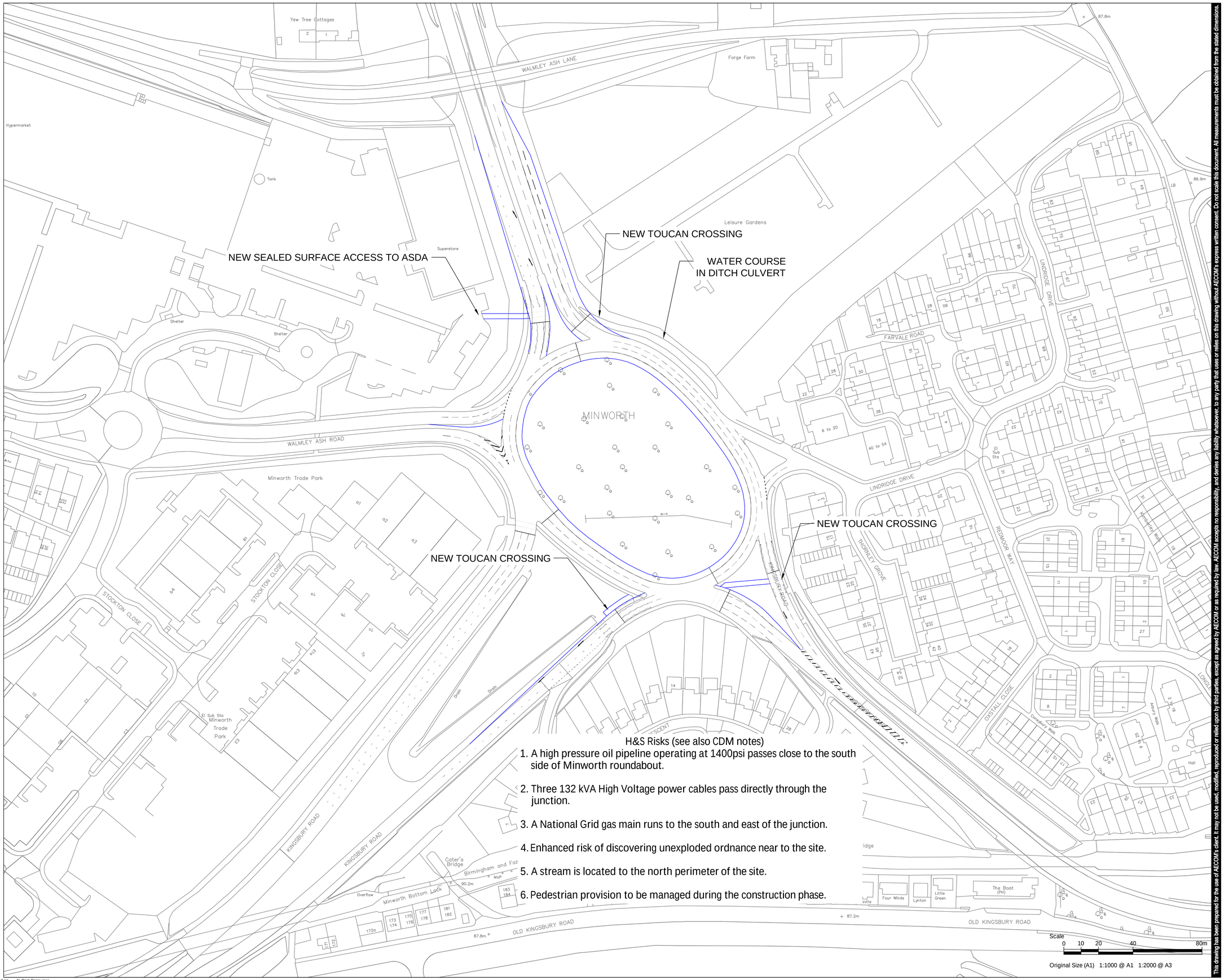
5 Appendices

Appendix A - Access Option 1 Drawings



H&S Risks (see also CDM notes)

1. A high pressure oil pipeline operating at 1400psi passes close to the south side of Minworth roundabout.
2. Three 132 kVA High Voltage power cables pass directly through the junction.
3. A National Grid gas main runs to the south and east of the junction.
4. Enhanced risk of discovering unexploded ordnance near to the site.
5. A stream is located to the north perimeter of the site.
6. Pedestrian provision to be managed during the construction phase.

Scale
0 10 20 40 80m

Original Size (A1) 1:1000 @ A1 1:2000 @ A3

AECOM

PROJECT

MINWORTH ROUNDABOUT OPTIONS

CLIENT

Birmingham City Council

CONSULTANT

AECOM
Colmore Plaza
Colmore Circus Queensway
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0121 262 1900 tel 0121 262 1999 fax
www.aecom.com

REGISTRATION

NOTES

CDM NOTES

1. THE CONTRACTOR SHALL DETERMINE THE LOCATION AND STATUS OF ANY STATUTORY UTILITY APPARATUS PRIOR TO THE COMMENCEMENT OF ANY WORKS.
2. A HIGH PRESSURE OIL PIPELINE OPERATING AT 1400psi PASSES CLOSE TO THE SOUTH SIDE OF MINWORTH ROUNDABOUT. A SIX METRE "SAFETY ZONE" HAS BEEN INSTALLED AROUND THE PIPLINES.NO WORKS OF ANY KIND SHOULD BE UNDERTAKEN WITHOUT PRIOR PERMISSION FROM FISHER GERMAN LLP.PRIOR TO WORKS COMMENCING MR RICHARD GENT SHOULD BE CONTACTED 08454378293.
3. THREE 132kVA HIGH VOLTAGE POWER CABLES PASS DIRECTLY THROUGH THE JUNCTION. NO WORKS SHOULD BE UNDERTAKEN WITHOUT CONTACTING AND OBTAINING PERMISSION FROM WESTERN POWER DISTRIBUTION
4. A NATIONAL GRID GAS MAIN RUNS TO THE SOUTH OF AND EAST OF THE JUNCTION. IT IS NOT CONSIDERED THAT THE WORKS WILL NOT AFFECT THIS UTILITY.
5. IT HAS BEEN IDENTIFIED THAT THIS AREA HAS AN ADVANCED RISK OF DISCOVERING UNEXPLODED ORDNANCE NEAR TO THE SITE. APPROPRIATE MEASURES SHOULD THEREFORE BE TAKEN.
6. A STREAM IS LOCATED TO THE NORTH PERIMETER OF THE SITE AND SHOULD BE CONSIDERED BEFORE CONSTRUCTION PHASE
7. PEDESTRIAN PROVISION WILL NEED TO BE MANAGED DURING THE CONSTRUCITON PHASE. THE BASE PROVISION OF THE JUNCITON IS POOR.

ISSUE/REVISION

I/R	DATE	DESCRIPTION
B	25/06/2014	Walmley Ash Rd Amended
A	21/02/2014	Final Issue

KEY PLAN

PROJECT NUMBER

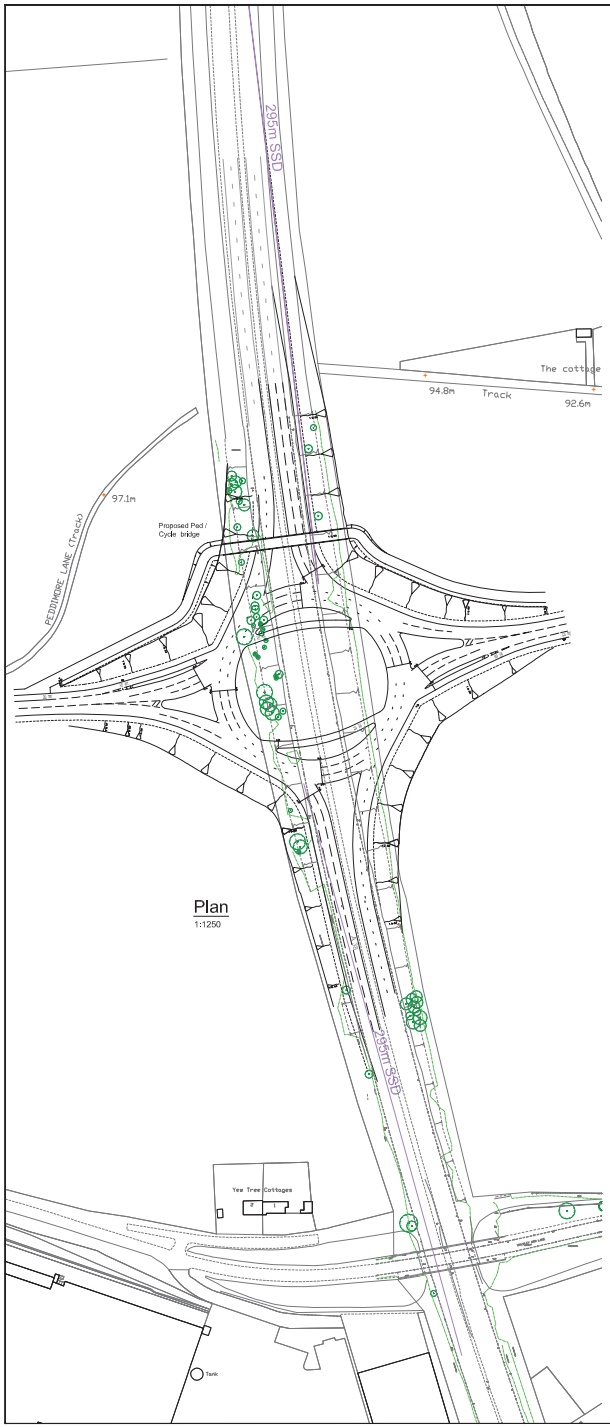
60313511

SHEET TITLE

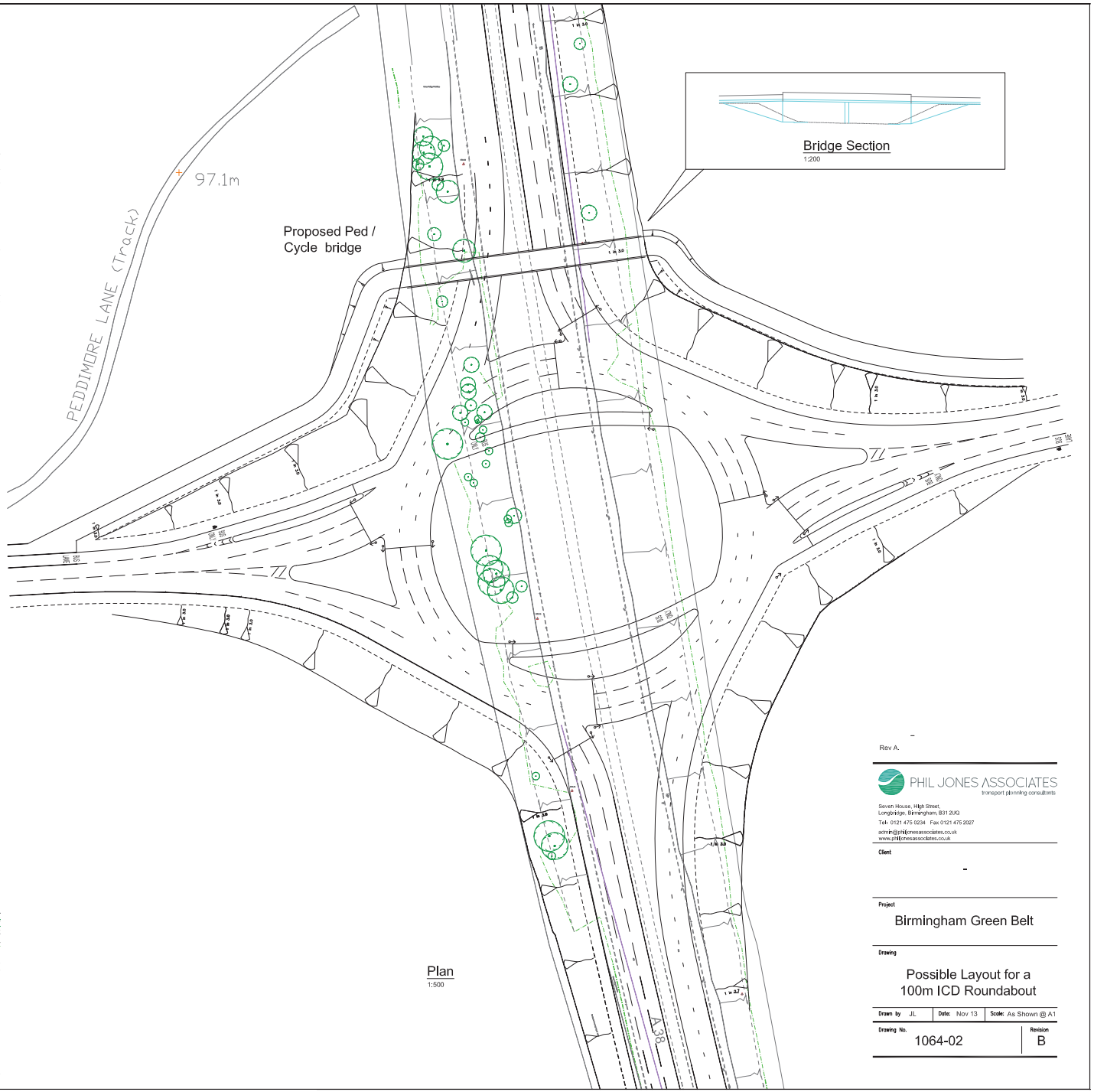
OPTION 4 - PREFFERED OPTION

SHEET NUMBER

60313511-SKE-20-CT-0004



Plan
1:1250



Plan
1:500

Bridge Section
1:200

Rev A.

PHIL JONES ASSOCIATES
transport planning consultants
Seven House, High Street,
Longbridge, Birmingham, B31 2UQ
Tel: 0121 475 0234 Fax 0121 475 2027
admin@philjonesassociates.co.uk
www.philjonesassociates.co.uk

Client

-

Project

Birmingham Green Belt

Drawing

Possible Layout for a
100m ICD Roundabout

Drawn by	Date	Scale
JL	Nov 13	As Shown @ A1

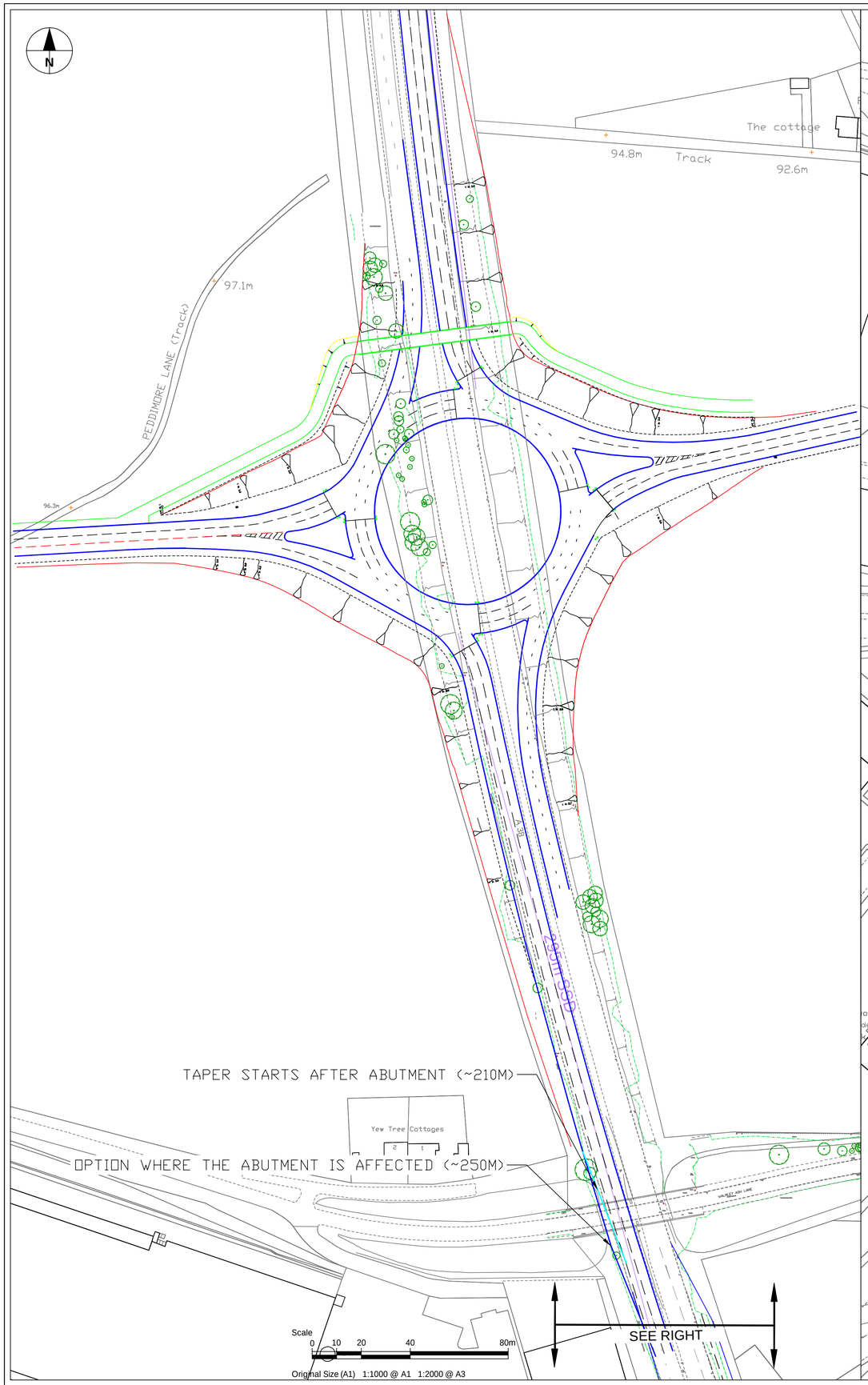
Drawing No.	Revision
1064-02	B

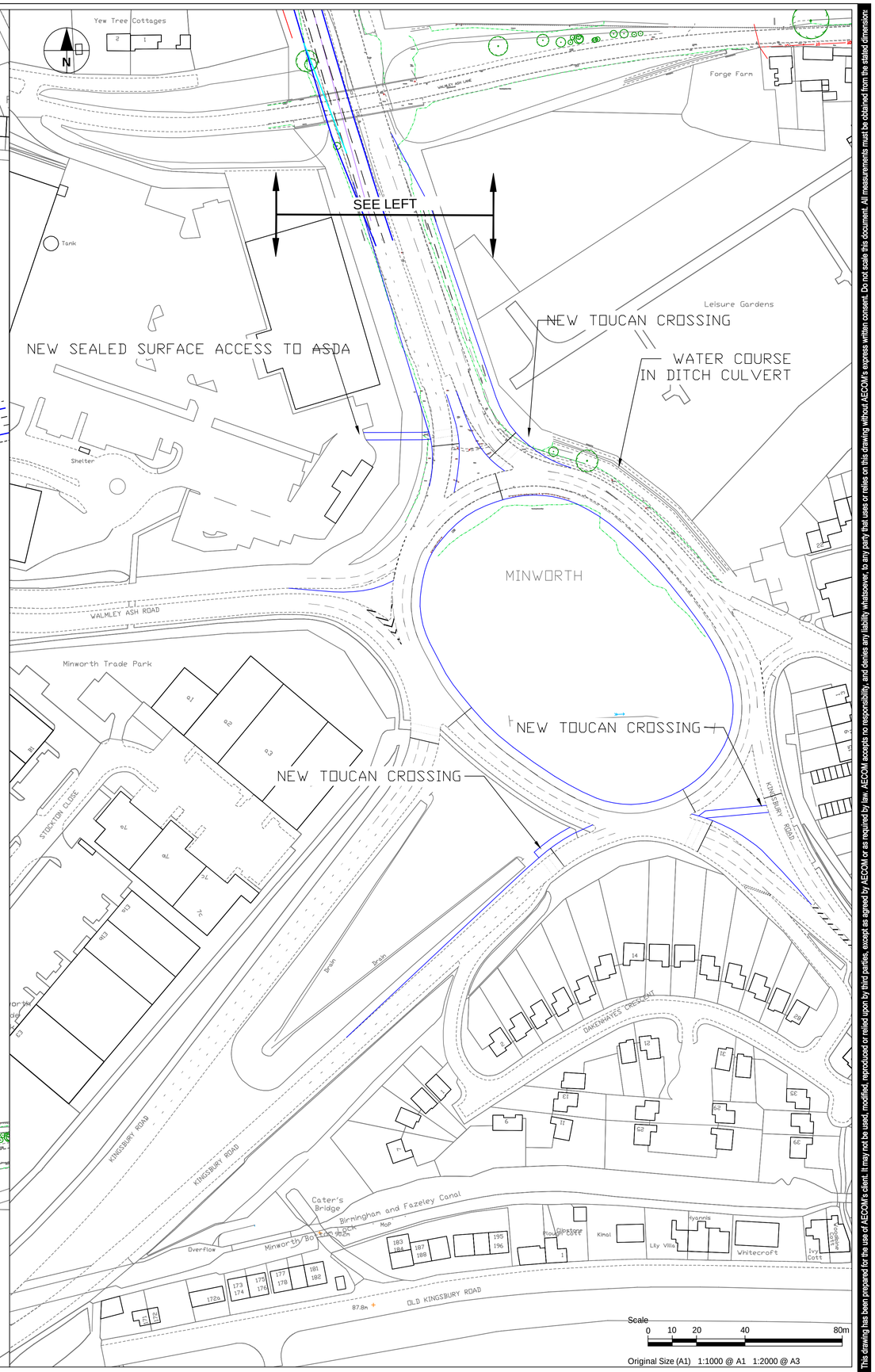
ISO A1 594mm x 841m

Project Management Initials: Designer: DSF Checked: SV Approved: AG

Last saved by: MENENDEZD(2014-06-27) Last Plotted: 2014-06-27

Filename: F:\TEMPROJECT\BCC - PEDDIMORE ACCESS MODELLING\3. EXECUTION\DRAWINGS\60316941-SKE-30-CT-0004.DWG





AECOM

PROJECT

PEDDIMORE ACCESS MODELLING

CLIENT

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SCALE

1:1000 @ A1

REGISTRATION

NOTES

1. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT SPECIFICATION AND THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS INCLUDING REVISION/AMENDMENTS AND ANY CLIENT SPECIFIC ADDITIONAL OR SUBSTITUTE CLAUSES.

2.THE DRAWING (1064-02 REV B) FOR THE AT NOT GRADE SEPARATED ROUNDABOUT PROVIDED BY PJA FOR PEDDIMORE DEVELOPMENT HAS BEEN MODIFIED TO REMOVE BUS LINKS ON THE APPROACHES AND ADJACENT CIRCULATORY OF THE ROUNDABOUT FROM THE TWO DEVELOPMENT ACCESSES ON THE A38.

CDM NOTES

1. THE CONTRACTOR SHALL DETERMINE THE LOCATION AND STATUS OF ANY STATUTORY UTILITY APPARATUS PRIOR TO THE COMMENCEMENT OF ANY WORKS.

2.A HIGH PRESSURE OIL PIPELINE OPERATING AT 1400psi PASSES CLOSE TO THE SOUTH SIDE OF MINWORTH ROUNDABOUT. A SIX METRE "SAFETY ZONE" HAS BEEN INSTALLED AROUND THE PIPELINES. NO WORKS OF ANY KIND SHOULD BE UNDERTAKEN WITHOUT PRIOR PERMISSION FROM FISHER GERMAN LLP. PRIOR TO WORKS COMMENCING MR RICHARD GENT SHOULD BE CONTACTED 08454378293.

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4.A NATIONAL GRID GAS MAIN RUNS TO THE SOUTH OF AND EAST OF THE MINWORTH JUNCTION. IT IS NOT CONSIDERED THAT THE WORKS WILL AFFECT THIS UTILITY.

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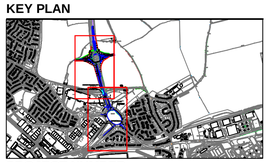
ISSUE/REVISION

B	JUNE 2014	FIRST REVISION
A	MAY 2014	FIRST ISSUE
I/R	DATE	DESCRIPTION

KEY PLAN



PROJECT NUMBER

60316941

SHEET TITLE

MINWORTH AND PEDDIMORE

SHEET NUMBER

60316941-SKE-30-CT-0004

ISO A1 594mm x 841m

Project Management Initials: Designer: DSF Checked: SV Approved: AG

Last saved by: MENENDEZD(2014-05-12) Last Plotted: 2014-06-27
Filename: F:\TEMPROJECT\BCC - PEDDIMORE ACCESS MODELLING\3. EXECUTION\DRAWINGS\60316941-SKE-30-CT-0002.DWG

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AECOM

PROJECT

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CLIENT

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CONSULTANT

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SCALE

1:500 @ A1

REGISTRATION

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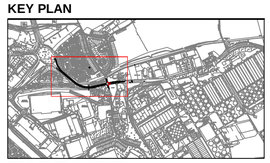
ISSUE/REVISION

B	JUNE 2014	FIRST REVISION
A	MAY 2014	FIRST ISSUE
I/R	DATE	DESCRIPTION

KEY PLAN



PROJECT NUMBER

60316941

SHEET TITLE

WATER ORTON LANE IMPROVEMENTS

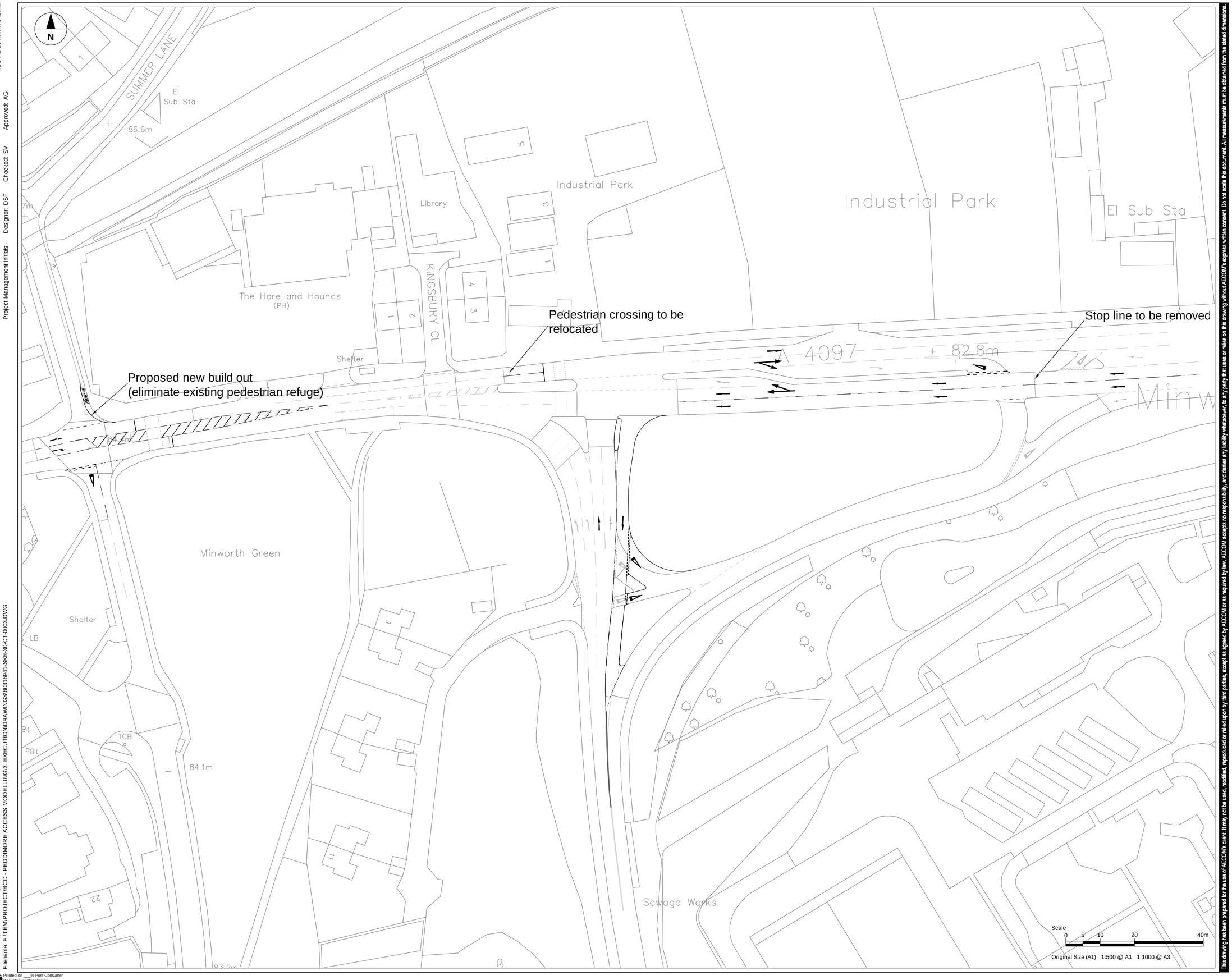
SHEET NUMBER

60316941-SKE-30-CT-0002

ISO A1 594mm x 841mm

Project Management Initials: Designer: DSF Checked: SV Approved: AG

Last saved by: MENENDEZD(2014-05-12) Last Plotted: 2014-06-27
Filename: F:\TEMPROJECT\BCC - PEDDIMORE ACCESS MODELLING\3. EXECUTION\DRAWINGS\60316941-SKE-30-CT-0003.DWG



AECOM

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SCALE

1:500 @ A1

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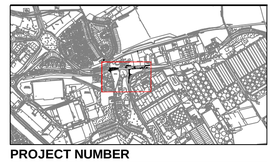
ISSUE/REVISION

B	JUNE 2014	FIRST REVISION
A	MAY 2014	FIRST ISSUE
I/R	DATE	DESCRIPTION

KEY PLAN



PROJECT NUMBER

60316941

SHEET TITLE

WATER ORTON LANE AND MINWORTH PARKWAY

SHEET NUMBER

60316941-SKE-30-CT-0003

Appendix B – Access Option 1 - Scenario 0 TRANSYT results

A38/A4097 Minworth Roundabout - Peddimore Lane Junction

AECOM

Project Name: Peddimore Access Modelling
Project Number: 60316941
Subject: Scenario 0 - TRANSYT flows Inputs
Date: Feb-14

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

2031 Scenario 0 vehicle flows
Step 1: Flows provided by PJA

AM Peak

Zones in TRANSYT	Arms	1	2	3	4	5	Total
1	A		4	315	691	288	1298
2	**B**	**10**		**71**	**43**	**21**	**145**
3	C	271	8		370	395	1044
4	D	300	6	449		279	1033
5	E	196	5	408	873		1482
Total		777	23	1243	1976	983	

PM Peak

Zones in TRANSYT	Arms	1	2	3	4	5	Total
1	A		12	175	412	390	989
2	B	5		19	10	13	48
3	C	355	3		322	694	1373
4	D	770	41	591		567	1969
5	E	217	16	257	652		1141
Total		1347	71	1042	1396	1663	

2013 HGV percentages 2013 base flows - HGV percent.xls
Step 2: Based on the 2013 base flows pecentages

Percentage of HGV		A	B	C	D	E
Arms	Approach	A38 N	Lindri	A409	A38	Walm
A	A38 N	0%	0%	7%	8%	2%
B	**Lindridge Drive**	**0%**	**0%**	**4%**	**0%**	**5%**
C	A4097 Kingsbury Road	5%	0%	0%	13%	3%
D	A38 South	13%	27%	8%	0%	5%
E	Walmley Ash Road	3%	0%	2%	2%	0%

Percentage of HGV		A	B	C	D	E
Arms	Approach	A38 N	Lindri	A409	A38	Walm
A	A38 N	0%	0%	12%	6%	1%
B	Lindridge Drive	0%	0%	0%	0%	0%
C	A4097 Kingsbury Road	2%	0%	0%	10%	1%
D	A38 South	5%	0%	2%	0%	1%
E	Walmley Ash Road	2%	0%	3%	2%	0%

2031 HGV
Step 3: Step 1* Step 2

Number of HGV		A	B	C	D	E
Arms	Approach	A38 N	Lindri	A409	A38	Walm
A	A38 N	0	0	21	55	5
B	**Lindridge Drive**	**0**	**0**	**3**	**0**	**1**
C	A4097 Kingsbury Road	15	0	0	47	13
D	A38 South	39	2	35	0	14
E	Walmley Ash Road	5	0	8	14	0

Number of HGV		A	B	C	D	E
Arms	Approach	A38 N	Lindri	A409	A38	Walm
A	A38 N	0	0	21	26	5
B	Lindridge Drive	0	0	0	0	0
C	A4097 Kingsbury Road	8	0	0	31	6
D	A38 South	36	0	13	0	8
E	Walmley Ash Road	4	0	8	14	0

2031 cars
Step 4: step 1- step 3

Number of Cars		A	B	C	D	E
Arms	Approach	A38 N	Lindri	A409	A38	Walm
A	A38 N	0	4	294	636	283
B	**Lindridge Drive**	**10**	**0**	**69**	**43**	**20**
C	A4097 Kingsbury Road	256	8	0	323	382
D	A38 South	260	5	413	0	264
E	Walmley Ash Road	191	5	400	858	0

Number of Cars		A	B	C	D	E
Arms	Approach	A38 N	Lindri	A409	A38	Walm
A	A38 N	0	12	154	386	385
B	Lindridge Drive	5	0	19	10	13
C	A4097 Kingsbury Road	347	3	0	290	687
D	A38 South	734	41	578	0	559
E	Walmley Ash Road	213	16	249	638	0

2031 Scenario 0 - pcus
Step 5: Step 4 + (2*Step 3)

Assumptions
Car 1 pcu
HGV 2pcu

Number of Pcus		A	B	C	D	E	
Arms	Approach	A38 N	Lindri	A409	A38	Walm	Total
A	A38 N	0	4	336	746	293	1379
B	**Lindridge Drive**	**10**	**0**	**74**	**43**	**22**	**149**
C	A4097 Kingsbury Road	286	8	0	416	409	1119
D	A38 South	339	8	484	0	293	1124
E	Walmley Ash Road	201	5	417	887	0	1509
Total		836	25	1311	2092	1017	

Number of Pcus		A	B	C	D	E	
Arms	Approach	A38 N	Lindri	A409	A38	Walm	Total
A	A38 N	0	12	196	438	395	1041
B	Lindridge Drive	5	0	19	10	13	48
C	A4097 Kingsbury Road	363	3	0	353	700	1418
D	A38 South	806	41	604	0	574	2026
E	Walmley Ash Road	220	16	264	666	0	1167
Total		1395	71	1084	1468	1683	

Prepared by:	**Sravani Vuppala**	25.02.14
Checked by:	**Jenny Oakes**	25.02.14

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: 25/06/2014 16:50:29
Analysis Set used for last run: A1 - 2031 AM Scenario 0

Filename: Minworth Option 4 - AM Scenario 0 Rev 2.t15
Path: F:\TEM\Project\BCC - Peddimore Access Modelling\3. EXECUTION\Modelling\Scenario 0
Report generation date: 25/06/2014 16:52:35

File summary

File Description

Title	A38 Peddimore Lane Junction - Minworth roundabout
Location	Birmingham
Site Number	
UTCRegion	
Driving Side	Left
Date	25/02/2014
Version	
Status	Proposed Option
Identifier	
Client	Birmingham City Council
Jobnumber	60316941
Enumerator	EU\vuppalas
Description	2031 SC0 - Peddimore Lane junction flows tested in preferred Option Model for Minworth roundabout

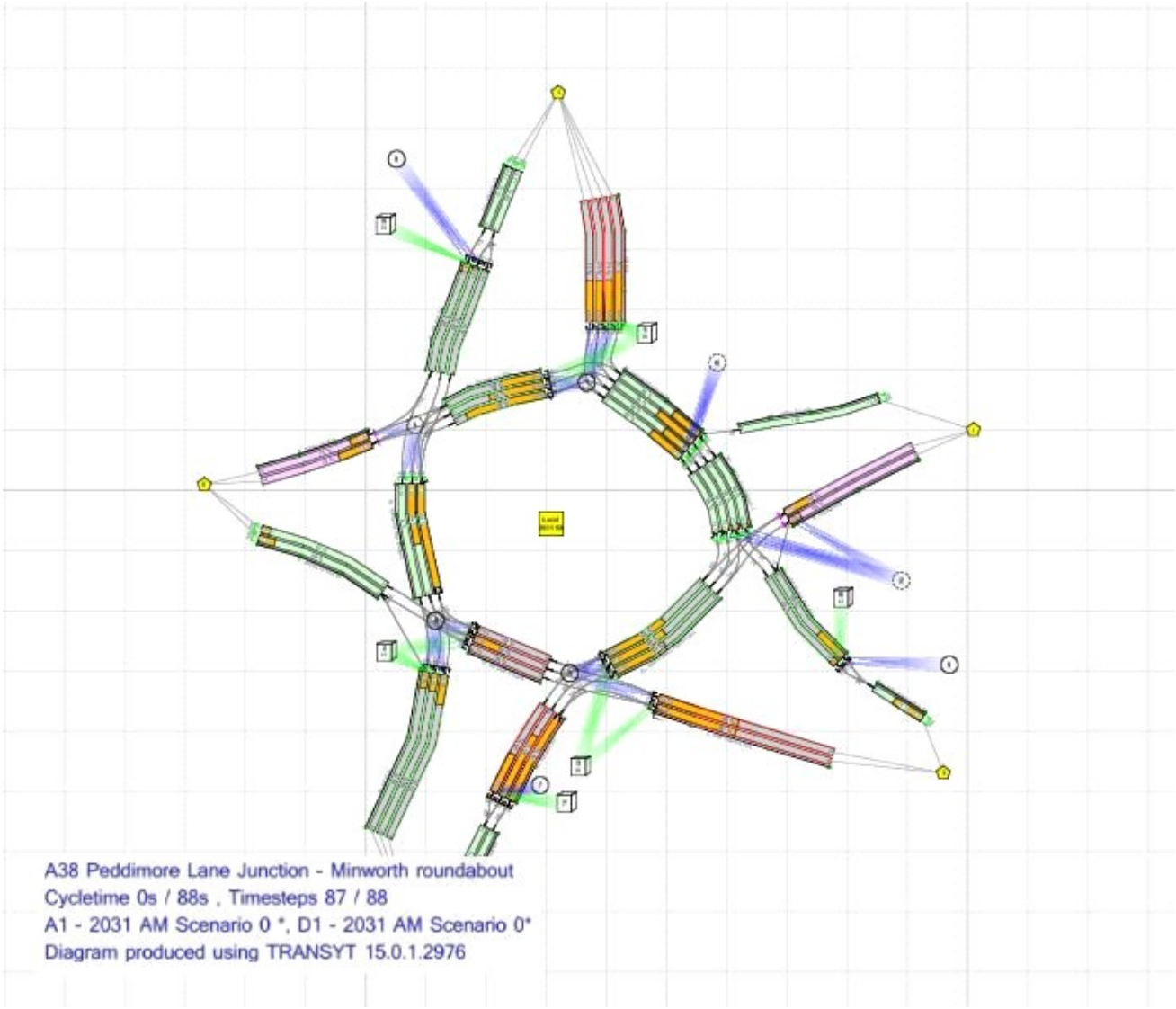
Units

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 0 *: D1 - 2031 AM Scenario 0*

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 0	25/06/2014 16:50:25	25/06/2014 16:50:29	08:00	88	55.75	86.64	C/1	0	0	C/1	Cx1/1	C/1	

Analysis Set Details

Name	Description	Demand Set	Include In Report	Locked
2031 AM Scenario 0		D1	✓	

Demand Set Details

Demand Set	Name	Description	Composite	Demand Sets	Start Time (HH:mm)	Locked
D1	2031 AM Scenario 0				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	

Arms and Traffic Streams

Arms

Arm	Name	Description	Traffic Node
A	A38 North		1
Ax1	A38 North Exit		
B	Lindridge Drive		2
C	A4097 Kingsbury Road		3
Ac	A38 North Circulatory		1
Ax	A38 North Exit		8
Bc	Lindridge Drive Circulatory		6
Bc1	Lindridge Drive Circulatory 2		2
Bx	Lindridge drive Exit		
Cc	A4097 Kingsbury Road Circulatory		3
Cx	A4097 Kinsbury Road Exit		9
Cx1	A4097 Kingsbury Road Exit		
D	A38 South		4
E	Wamley Ash Road		5
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		

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto Length	Length (m)	Has Restricted Flow	Saturation Flow Source	Saturation Flow (PCU/hr)	Is Signal Controlled	Is Give Way	Traffic Type
A	1	(untitled)			100.00	✓	SumOfLanes	2128	✓		Normal
A	2	(untitled)			150.00	✓	SumOfLanes	2279	✓		Normal
A	3	A38 North Entry			150.00	✓	SumOfLanes	2279	✓		Normal
A	4	(untitled)			150.00	✓	SumOfLanes	2279	✓		Normal
B	1	(untitled)			30.00					✓	Normal
B	2	(untitled)			30.00					✓	Normal
C	1	(untitled)			200.00	✓	SumOfLanes	2263	✓		Normal
C	2	(untitled)			200.00	✓	SumOfLanes	2263	✓		Normal
Ac	1	(untitled)			54.00	✓	SumOfLanes	2112	✓		Normal
Ac	2	(untitled)			54.00	✓	SumOfLanes	2263	✓		Normal
Ac	3	(untitled)			54.00	✓	SumOfLanes	2263	✓		Normal
Ax	1	(untitled)			100.00	✓	SumOfLanes	1965	✓		Normal
Ax	2	(untitled)			100.00	✓	SumOfLanes	2105	✓		Normal
Ax	3	(untitled)			100.00	✓	SumOfLanes	2105	✓		Normal
Ax1	1	A38 North Exit			100.00	✓	SumOfLanes	1800			Normal
Ax1	2	A38 North Exit			100.00	✓	SumOfLanes	1800			Normal
Bc	1	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc	2	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc	3	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc	4	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc1	1	(untitled)			30.00	✓	SumOfLanes	1800			Normal

Bc1	**2**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
Bc1	**3**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
Bc1	**4**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
Bx	**1**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Cc	**1**	(untitled)			65.00	✓	SumOfLanes	2059	✓		Normal
Cc	**2**	(untitled)			65.00	✓	SumOfLanes	2209	✓		Normal
Cc	**3**	(untitled)			65.00	✓	SumOfLanes	2181	✓		Normal
Cx	**1**	A4097 Kinsbury Road Exit			100.00	✓	SumOfLanes	2120	✓		Normal
Cx	**2**	A4097 Kinsbury Road Exit			100.00	✓	SumOfLanes	2120	✓		Normal
Cx1	**1**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
D	**1**	(untitled)			300.00	✓	SumOfLanes	2159	✓		Normal
D	**2**	(untitled)			300.00	✓	SumOfLanes	2317	✓		Normal
D	**3**	(untitled)			300.00	✓	SumOfLanes	2317	✓		Normal
E	**1**	(untitled)			200.00					✓	Normal
E	**2**	(untitled)			200.00					✓	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

Lanes

Arm	Traffic Stream	Lane	Name	Description	Use RR67	Surface Condition	Site Quality Factor	Gradient (%)	Width (m)	Use Connector Turning Radius	Proportion That Turn (%)	Turning Radius (m)	Nearside Lane	Saturation Flow (PCU/hr)
A	**1**	**2**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00	✓	2128
A	**2**	**1**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
A	**3**	**3**	(untitled)		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
A	**4**	**2**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
B	**1**	**1**	Lindridge Drive Entry											
B	**2**	**2**	Lindridge Drive Entry											
C	**1**	**1**	A4097 Kingsbury Road Entry		✓	N/A	Clearly Good	0	3.50		0	10.00		2263

C	**2**	**2**	A4097 Kingsbury Road Entry		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Ac	**1**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Ac	**2**	**2**	A38 North Circulatory		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Ac	**3**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Ax	**1**	**2**	A38 North Exit		✓	N/A	N/A	0	3.50		0	10.00	✓	1965
Ax	**2**	**1**	A38 North Exit		✓	N/A	N/A	0	3.50		0	10.00		2105
Ax	**3**	**1**	A38 North Exit		✓	N/A	N/A	0	3.50		0	10.00		2105
Ax1	**1**	**1**	(untitled)											1800
Ax1	**2**	**1**	(untitled)											1800
Bc	**1**	**2**	Lindridge Drive Circulatory											1800
Bc	**2**	**1**	Lindridge Drive Circulatory											1800
Bc	**3**	**3**	Lindridge Drive Circulatory											1800
Bc	**4**	**3**	Lindridge Drive Circulatory											1800
Bc1	**1**	**2**	Lindridge Drive Circulatory											1800
Bc1	**2**	**1**	Lindridge Drive Circulatory											1800
Bc1	**3**	**3**	Lindridge Drive Circulatory											1800
Bc1	**4**	**3**	Lindridge Drive Circulatory											1800
Bx	**1**	**2**	Lindridge drive Exit											1800
Cc	**1**	**1**	A4097 Kingsbury Road Circulatory		✓	N/A	Clearly Good	0	3.00		0	10.00	✓	2059
Cc	**2**	**2**	A4097 Kingsbury Road Circulatory		✓	N/A	Clearly Good	0	3.00		0	10.00		2209
Cc	**3**	**2**	A4097 Kingsbury Road Circulatory		✓	N/A	Clearly Good	0	3.00		43	50.00		2181
Cx	**1**	**2**	A4097 Kinsbury Road Exit		✓	N/A	N/A	0	3.65		0	10.00		2120
Cx	**2**	**3**	A4097 Kinsbury Road Exit		✓	N/A	N/A	0	3.65		0	10.00		2120
Cx1	**1**	**1**	(untitled)											1800

D	**1**	**2**	A38 South Entry		✓	N/A	Clearly Good	0	4.00		10	42.00	✓	2159
D	**2**	**1**	A38 South Entry		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
D	**3**	**3**	A38 South Entry		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
E	**1**	**3**	(untitled)											
E	**2**	**3**	(untitled)											
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
Ex	**2**	**2**	Wamley Ash Road Exit											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
A	**1**	[Forced to PDM]	0	40		0.00				
A	**2**	[Forced to PDM]	0	40		0.00				
A	**3**	[Forced to PDM]	0	40		0.00				
A	**4**	[Forced to PDM]	0	40		0.00				
B	**1**	[Forced to PDM]	100	100		0.00				
B	**2**	[Forced to PDM]	100	100		0.00				
C	**1**	[Forced to PDM]	0	40		0.00				
C	**2**	[Forced to PDM]	0	40		0.00				
Ac	**1**	[Forced to PDM]	100	100		7.00	✓	7	80.00	
Ac	**2**	[Forced to PDM]	100	100		7.00	✓	7	0.00	

Ac	**3**	[Forced to PDM]	100	100		7.00	✓	7	0.00	
Ax	**1**	[Forced to PDM]	100	100		0.00				
Ax	**2**	[Forced to PDM]	100	100		0.00				
Ax	**3**	[Forced to PDM]	100	100		0.00				
Ax1	**1**	[Forced to PDM]	100	100		0.00				
Ax1	**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	
Bx	**1**	[Forced to PDM]	100	100		0.00				
Cc	**1**	[Forced to PDM]	100	100		6.00	✓	6	60.00	
Cc	**2**	[Forced to PDM]	100	100		6.00	✓	6	60.00	
Cc	**3**	[Forced to PDM]	100	100		6.00	✓	6	60.00	
Cx	**1**	[Forced to PDM]	100	100		0.00				
Cx	**2**	[Forced to PDM]	100	100		0.00				
Cx1	**1**	[Forced to PDM]	100	100		0.00				
D	**1**	[Forced to PDM]	0	40		0.00				
D	**2**	[Forced to PDM]	0	40		0.00				
D	**3**	[Forced to PDM]	0	40		0.00				
E	**1**	[Forced to PDM]	100	40		0.00				
E	**2**	[Forced to PDM]	100	40		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				

Modelling - Advanced

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

D	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
D	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
D	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
E	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
E	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dc	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dc	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dc	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dx	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dx	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dx1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dx1	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
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

Normal - Modelling

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

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)
A	1	327	327
A	2	350	350
A	3	350	350
A	4	350	350
B	1	75	75
B	2	75	75
C	1	560	560
C	2	560	560
Ac	1	561	561
Ac	2	657	657
Ac	3	591	591
Ax	1	312	312
Ax	2	426	426
Ax	3	99	99
Ax1	1	312	312
Ax1	2	524	524
Bc	1	887	887
Bc	2	1007	1007
Bc	3	645	645
Bc	4	645	645
Bc1	1	865	865
Bc1	2	1007	1007
Bc1	3	645	645
Bc1	4	645	645
Bx	1	22	22
Cc	1	636	636
Cc	2	667	667
Cc	3	699	699
Cx	1	939	939
Cx	2	372	372
Cx1	1	1311	1311
D	1	305	305
D	2	327	327
D	3	492	492
E	1	504	504
E	2	1006	1006
Dc	1	144	144
Dc	2	679	679
Dc	3	205	205
Dx	1	1052	1052
Dx	2	667	667
Dx	3	374	374
Dx1	1	1052	1052
Dx1	2	1040	1040
Ec	1	111	111
Ec	2	426	426
Ec	3	599	599
Ex	1	437	437
Ex	2	581	581

Signals

Arm	Traffic Stream	Controller Stream	Phase	Phase2 Enabled
A	**1**	1	A	
A	**2**	1	A	
A	**3**	1	A	
A	**4**	1	A	
C	**1**	3	A	
C	**2**	3	A	
Ac	**1**	1	B	
Ac	**2**	1	B	
Ac	**3**	1	B	
Ax	**1**	5	A	
Ax	**2**	5	A	
Ax	**3**	5	A	
Cc	**1**	3	B	
Cc	**2**	3	B	
Cc	**3**	3	B	
Cx	**1**	6	A	
Cx	**2**	6	A	
D	**1**	2	A	
D	**2**	2	A	
D	**3**	2	A	
Dc	**1**	2	B	
Dc	**2**	2	B	
Dc	**3**	2	B	
Dx	**1**	7	A	
Dx	**2**	7	A	
Dx	**3**	7	A	

Entry Sources

Arm	Traffic Stream	Normal Cruise Time (seconds)	Normal Cruise Speed (kph)
A	**1**	3.60	100.00
A	**2**	5.40	100.00
A	**3**	5.40	100.00
A	**4**	5.40	100.00
B	**1**	2.24	48.28
B	**2**	2.24	48.28
C	**1**	11.19	64.37
C	**2**	11.19	64.37
D	**1**	16.78	64.37
D	**2**	16.78	64.37
D	**3**	16.78	64.37
E	**1**	14.91	48.28
E	**2**	14.91	48.28

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)
Ac	**1**	**1**	TrafficStream	E/1	Ac/1	4.03	48.28	✓	Straight	Straight Movement

Ac	**2**	**1**	TrafficStream	Ec/3	Ac/2	4.03	48.28	✓	Straight	Straight Movement
Ac	**3**	**1**	TrafficStream	E/2	Ac/3	4.03	48.28	✓	Straight	Straight Movement
Ax	**1**	**1**	TrafficStream	Ec/1	Ax/1	5.59	64.37	✓	Straight	Straight Movement
Ax	**2**	**1**	TrafficStream	Ec/2	Ax/2	5.59	64.37	✓	Straight	Straight Movement
Ax	**3**	**1**	TrafficStream	Ec/3	Ax/3	5.59	64.37	✓	Straight	Straight Movement
Ax1	**1**	**1**	TrafficStream	Ax/1	Ax1/1	5.59	64.37	✓	Straight	Straight Movement
Ax1	**2**	**1**	TrafficStream	Ax/3	Ax1/2	5.59	64.37	✓	Straight	Straight Movement
Bc	**1**	**1**	TrafficStream	Ac/1	Bc/1	7.46	48.28	✓	Straight	Straight Movement
Bc	**2**	**1**	TrafficStream	A/2	Bc/2	7.46	48.28	✓	Straight	Straight Movement
Bc	**3**	**1**	TrafficStream	Ac/3	Bc/3	7.46	48.28	✓	Straight	Straight Movement
Bc	**4**	**1**	TrafficStream	Ac/3	Bc/4	7.46	48.28	✓	Straight	Straight Movement
Bc1	**1**	**1**	TrafficStream	Bc/1	Bc1/1	2.24	48.28	✓	Straight	Straight Movement
Bc1	**2**	**1**	TrafficStream	Bc/2	Bc1/2	2.24	48.28	✓	Straight	Straight Movement
Bc1	**3**	**1**	TrafficStream	Bc/3	Bc1/3	2.24	48.28	✓	Straight	Straight Movement
Bc1	**4**	**1**	TrafficStream	Bc/4	Bc1/4	2.24	48.28	✓	Straight	Straight Movement
Bx	**1**	**1**	TrafficStream	Bc/1	Bx/1	7.46	48.28	✓	Nearside	76.24
Cc	**1**	**1**	TrafficStream	B/1	Cc/1	4.85	48.28	✓	Straight	Straight Movement
Cc	**2**	**1**	TrafficStream	B/2	Cc/2	4.85	48.28	✓	Straight	Straight Movement
Cc	**3**	**1**	TrafficStream	B/2	Cc/3	4.85	48.28	✓	Straight	Straight Movement
Cx	**1**	**1**	TrafficStream	Bc1/1	Cx/1	5.59	64.37	✓	Straight	Straight Movement
Cx	**2**	**1**	TrafficStream	Bc1/2	Cx/2	5.59	64.37	✓	Straight	Straight Movement
Cx1	**1**	**1**	TrafficStream	Cx/1	Cx1/1	7.46	48.28	✓	Straight	Straight Movement
Dc	**1**	**1**	TrafficStream	C/1	Dc/1	6.71	48.28	✓	Straight	Straight Movement
Dc	**2**	**1**	TrafficStream	C/2	Dc/2	6.71	48.28	✓	Straight	Straight Movement
Dc	**3**	**1**	TrafficStream	C/2	Dc/3	6.71	48.28	✓	Straight	Straight Movement
Dx	**1**	**1**	TrafficStream	Cc/1	Dx/1	3.13	64.37	✓	Straight	Straight Movement
Dx	**2**	**1**	TrafficStream	Cc/2	Dx/2	3.13	64.37	✓	Straight	Straight Movement
Dx	**3**	**1**	TrafficStream	Cc/3	Dx/3	3.13	64.37	✓	Straight	Straight Movement
Dx1	**1**	**1**	TrafficStream	Dx/1	Dx1/1	13.98	64.37	✓	Straight	Straight Movement
Dx1	**2**	**1**	TrafficStream	Dx/2	Dx1/2	13.98	64.37	✓	Straight	Straight Movement

Ec	**1**	**1**	TrafficStream	D/1	Ec/1	3.73	48.28	✓	Straight	Straight Movement
Ec	**2**	**1**	TrafficStream	D/2	Ec/2	3.73	48.28	✓	Straight	Straight Movement
Ec	**3**	**1**	TrafficStream	D/3	Ec/3	3.73	48.28	✓	Straight	Straight Movement
Ex	**1**	**1**	TrafficStream	Dc/1	Ex/1	7.46	48.28	✓	Straight	Straight Movement
Ex	**2**	**1**	TrafficStream	Dc/2	Ex/2	7.46	48.28	✓	Straight	Straight Movement
Ac	**1**	**2**	TrafficStream	Ec/3	Ac/1	4.03	48.28	✓	Straight	Straight Movement
Ac	**2**	**2**	TrafficStream	E/2	Ac/2	4.03	48.28	✓	Straight	Straight Movement
Ax	**1**	**2**	TrafficStream	E/1	Ax/1	5.59	64.37	✓	Straight	Straight Movement
Ax1	**2**	**2**	TrafficStream	Ax/2	Ax1/2	5.59	64.37	✓	Straight	Straight Movement
Bc	**1**	**2**	TrafficStream	A/1	Bc/1	7.46	48.28	✓	Nearside	83.93
Bc	**2**	**2**	TrafficStream	Ac/2	Bc/2	12.00	30.00	✓	Straight	Straight Movement
Bc	**3**	**2**	TrafficStream	A/3	Bc/3	12.00	30.00	✓	Straight	Straight Movement
Bc	**4**	**2**	TrafficStream	A/4	Bc/4	7.46	48.28	✓	Straight	Straight Movement
Cc	**1**	**2**	TrafficStream	Bc1/2	Cc/1	4.85	48.28	✓	Straight	Straight Movement
Cc	**2**	**2**	TrafficStream	Bc1/3	Cc/2	4.85	48.28	✓	Straight	Straight Movement
Cc	**3**	**2**	TrafficStream	Bc1/4	Cc/3	4.85	48.28	✓	Straight	Straight Movement
Cx	**1**	**2**	TrafficStream	B/1	Cx/1	5.59	64.37	✓	Nearside	73.56
Cx1	**1**	**2**	TrafficStream	Cx/2	Cx1/1	7.46	48.28	✓	Straight	Straight Movement
Dc	**2**	**2**	TrafficStream	Cc/3	Dc/2	6.71	48.28	✓	Straight	Straight Movement
Dc	**3**	**2**	TrafficStream	Cc/3	Dc/3	6.71	48.28	✓	Straight	Straight Movement
Dx	**1**	**2**	TrafficStream	C/1	Dx/1	3.13	64.37	✓	Straight	Straight Movement
Dx1	**2**	**2**	TrafficStream	Dx/3	Dx1/2	13.98	64.37	✓	Straight	Straight Movement
Ec	**1**	**2**	TrafficStream	Dc/2	Ec/1	6.00	30.00	✓	Straight	Straight Movement
Ec	**2**	**2**	TrafficStream	Dc/3	Ec/2	6.00	30.00	✓	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

Give Way Data

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

Give Way Data - All Movements - Conflicts

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

Quick Flares

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

Local OD Matrix - Local Matrix: 2031 S0

Normal Input Flows (PCU/hr)

		To				
		1	2	3	4	5
From	1	0	1	336	746	293
	2	10	0	74	43	22
	3	286	8	0	416	409
	4	339	8	484	0	293
	5	201	5	417	887	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 S0	1	(untitled)	A/1,A/2,A/3,A/4	Ax1/2,Ax1/1
2031 S0	2	(untitled)	B/1,B/2	Bx/1
2031 S0	3	(untitled)	C/1,C/2	Cx1/1
2031 S0	4	(untitled)	D/1,D/2,D/3	Dx1/2,Dx1/1
2031 S0	5	(untitled)	E/1,E/2	Ex/1,Ex/2

Paths

OD Matrix	Path	Description	From Location	To Location	Path Items
2031 S0	1		4	1	D/1,Ec/1,Ax/1,Ax1/1
2031 S0	2		4	5	D/1,Ex/1
2031 S0	3		4	1	D/2,Ec/2,Ax/2,Ax1/2
2031 S0	4		4	1	D/3,Ec/3,Ax/3,Ax1/2
2031 S0	5		4	2	D/3,Ec/3,Ac/1,Bc/1,Bx/1
2031 S0	6		4	3	D/3,Ec/3,Ac/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S0	7		4	4	D/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S0	8		4	3	D/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S0	9		5	1	E/1,Ax/1,Ax1/1
2031 S0	10		5	2	E/1,Ac/1,Bc/1,Bx/1
2031 S0	11		5	3	E/1,Ac/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S0	12		5	4	E/2,Ac/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S0	13		5	3	E/2,Ac/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S0	14		5	4	E/2,Ac/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S0	15		5	5	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S0	16		5	4	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S0	17		2	4	B/1,Cc/1,Dx/1,Dx1/1
2031 S0	18		2	3	B/1,Cx/1,Cx1/1
2031 S0	19		2	4	B/2,Cc/2,Dx/2,Dx1/2
2031 S0	20		2	1	B/2,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1
2031 S0	21		2	5	B/2,Cc/3,Dc/2,Ex/2
2031 S0	22		2	1	B/2,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2
2031 S0	23		2	1	B/2,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2
2031 S0	24		2	2	B/2,Cc/3,Dc/3,Ec/3,Ac/1,Bc/1,Bx/1
2031 S0	25		2	4	B/2,Cc/3,Dx/3,Dx1/2
2031 S0	26		3	5	C/1,Dc/1,Ex/1
2031 S0	27		3	4	C/1,Dx/1,Dx1/1
2031 S0	28		3	1	C/2,Dc/2,Ec/1,Ax/1,Ax1/1
2031 S0	29		3	5	C/2,Dc/2,Ex/2
2031 S0	30		3	1	C/2,Dc/3,Ec/2,Ax/2,Ax1/2
2031 S0	31		3	1	C/2,Dc/3,Ec/3,Ax/3,Ax1/2
2031 S0	32		3	2	C/2,Dc/3,Ec/3,Ac/1,Bc/1,Bx/1
2031 S0	33		3	3	C/2,Dc/3,Ec/3,Ac/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S0	34		3	3	C/2,Dc/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S0	35		1	2	A/1,Bc/1,Bx/1
2031 S0	36		1	3	A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S0	37		1	4	A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S0	38		1	3	A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S0	39		1	4	A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S0	40		1	1	A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1
2031 S0	41		1	5	A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S0	42		1	1	A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2
2031 S0	43		1	1	A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2
2031 S0	44		1	4	A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2

Normal Path Flows

OD Matrix	Path	Permitted Flow Type	Allocation Type
2031 S0	1	✓	Normal
2031 S0	2	✓	Normal
2031 S0	3	✓	Normal
2031 S0	4	✓	Normal
2031 S0	5	✓	Normal
2031 S0	6	✓	Normal
2031 S0	7	✓	Normal
2031 S0	8	✓	Normal
2031 S0	9	✓	Normal
2031 S0	10	✓	Normal
2031 S0	11	✓	Normal
2031 S0	12	✓	Normal
2031 S0	13	✓	Normal
2031 S0	14	✓	Normal
2031 S0	15	✓	Normal
2031 S0	16	✓	Normal
2031 S0	17	✓	Normal
2031 S0	18	✓	Normal
2031 S0	19	✓	Normal
2031 S0	20	✓	Normal
2031 S0	21	✓	Normal
2031 S0	22	✓	Normal
2031 S0	23	✓	Normal
2031 S0	24	✓	Normal
2031 S0	25	✓	Normal
2031 S0	26	✓	Normal
2031 S0	27	✓	Normal
2031 S0	28	✓	Normal
2031 S0	29	✓	Normal
2031 S0	30	✓	Normal
2031 S0	31	✓	Normal
2031 S0	32	✓	Normal
2031 S0	33	✓	Normal
2031 S0	34	✓	Normal
2031 S0	35	✓	Normal
2031 S0	36	✓	Normal
2031 S0	37	✓	Normal
2031 S0	38	✓	Normal
2031 S0	39	✓	Normal
2031 S0	40	✓	Normal
2031 S0	41	✓	Normal
2031 S0	42	✓	Normal
2031 S0	43	✓	Normal
2031 S0	44	✓	Normal

Signal Timings

Network Default: 88s cycle time; 88 steps

Controller Stream 1

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

Controller Stream 1 - Properties

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

Controller Stream 1 - Optimisation

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

Phases

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

Library Stages

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

Losing/ Gaining delays at each Controller Stream

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
1	1	(untitled)	Single	1,2	56,24

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)
1	1	✓	1	A	38	56	18	1	7
1	2	✓	2	B,C	61	24	51	1	7

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
1	A	1	✓	38	56	18
1	B	1	✓	61	33	60
1	C	1	✓	61	24	51

Intergreen Matrix for Controller Stream 1

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

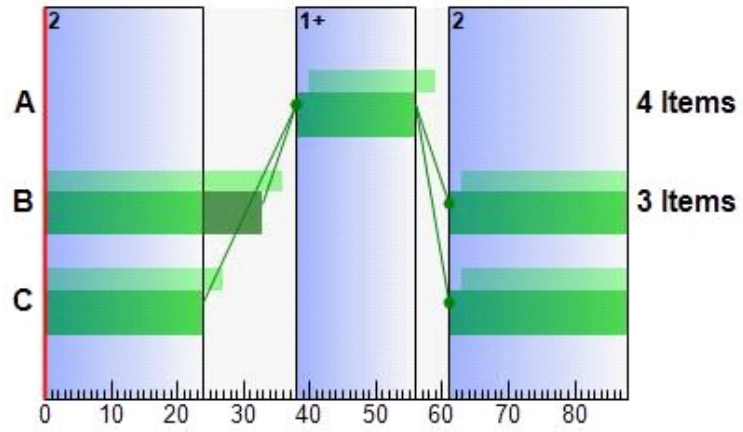
Interstage Matrix for Controller Stream 1

		To	
		1	2
From	1	0	5
	2	14	0

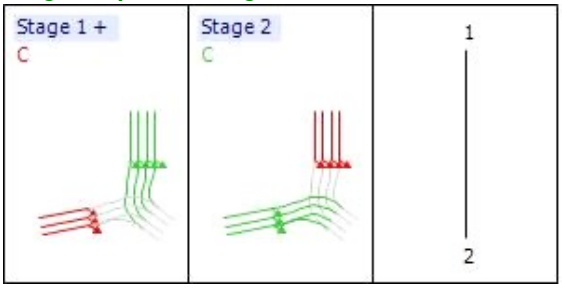
Banned Stage transitions for Controller Stream 1

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 1



Stage Sequence Diagram for Controller Stream 1



Controller Stream 2

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

Controller Stream 2 - Properties

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

Controller Stream 2 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
2	✓	✓	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	22,64

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)
2	1	✓	1	A	74	22	36	1	7
2	2	✓	2	B,C	27	64	37	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
2	A	1	✓	74	22	36
2	B	1	✓	27	69	42
2	C	1	✓	27	64	37

Intergreen Matrix for Controller Stream 2

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

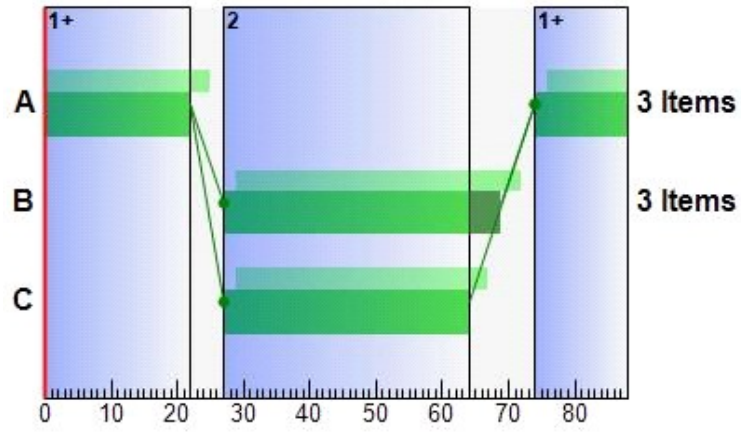
Interstage Matrix for Controller Stream 2

		To	
		1	2
From	1	0	5
	2	10	0

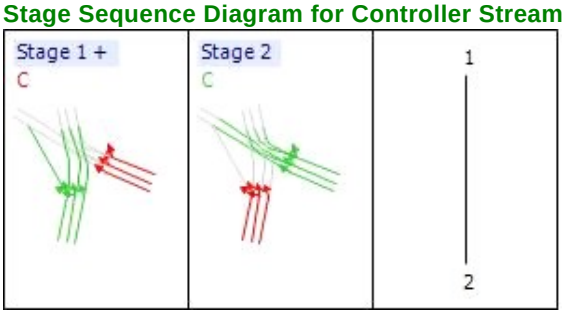
Banned Stage transitions for Controller Stream 2

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 2



Stage Sequence Diagram for Controller Stream 2



Controller Stream 3

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

Controller Stream 3 - Properties

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

Controller Stream 3 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
3	✓	✓	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	40,13

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	40	13	1	7
3	2	✓	2	B,C	45	13	56	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	40	13
3	B	1	✓	45	22	65
3	C	1	✓	45	13	56

Intergreen Matrix for Controller Stream 3

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

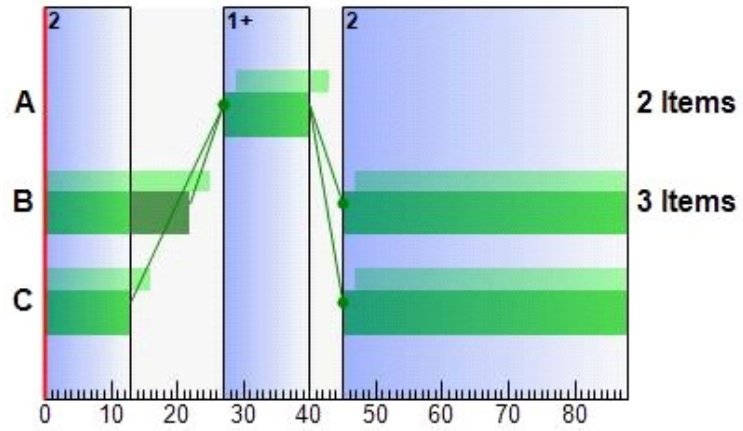
Interstage Matrix for Controller Stream 3

		To	
		1	2
From	1	0	5
	2	14	0

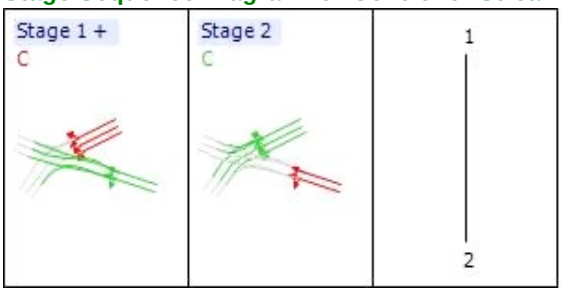
Banned Stage transitions for Controller Stream 3

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 3



Stage Sequence Diagram for Controller Stream 3



Controller Stream 5

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

Controller Stream 5 - Properties

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

Controller Stream 5 - Optimisation

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

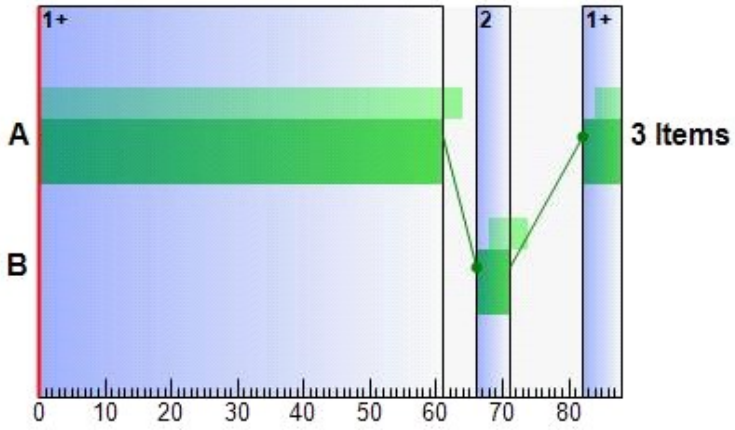
Interstage Matrix for Controller Stream 5

		To	
		1	2
From	1	0	5
	2	11	0

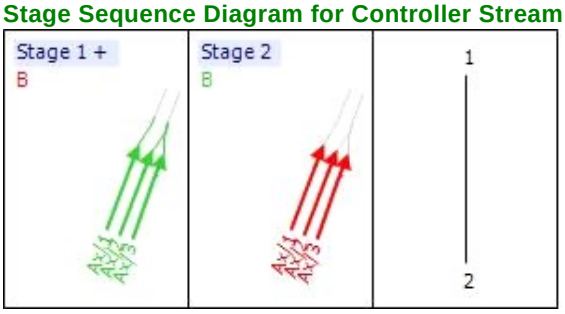
Banned Stage transitions for Controller Stream 5

		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	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)
6	**1**	✓	1	A	87	69	70	1	7
6	**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)
6	**A**	**1**	✓	87	69	70
6	**B**	**1**	✓	74	79	5

Intergreen Matrix for Controller Stream 6

		To	
		A	B
From	A		5
	B	8	

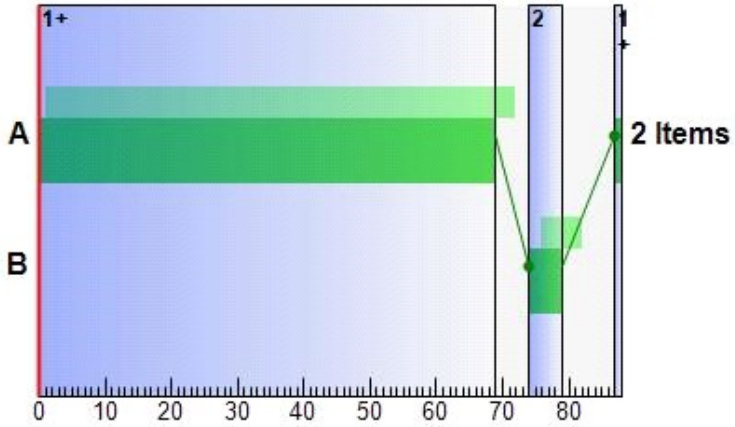
Interstage Matrix for Controller Stream 6

		To	
		1	2
From	1	0	5
	2	8	0

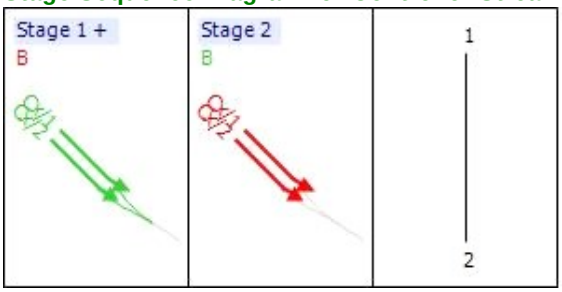
Banned Stage transitions for Controller Stream 6

		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	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)
7	1	✓	1	A	5	73	68	1	7
7	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)
7	A	1	✓	5	73	68
7	B	1	✓	78	83	5

Intergreen Matrix for Controller Stream 7

		To	
		A	B
From	A		5
	B	10	

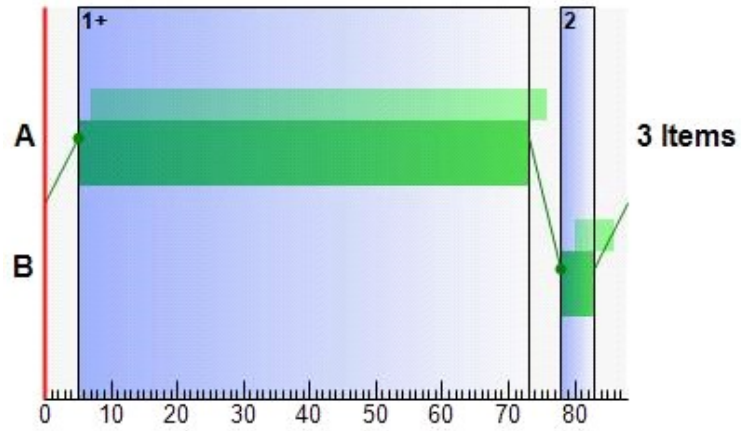
Interstage Matrix for Controller Stream 7

		To	
		1	2
From	1	0	5
	2	10	0

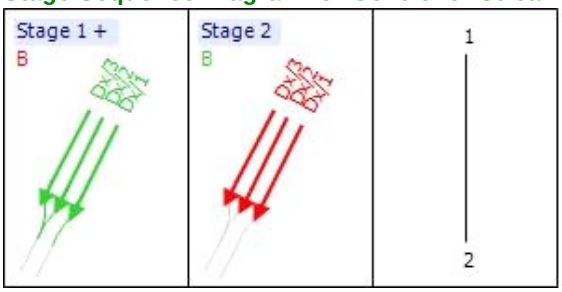
Banned Stage transitions for Controller Stream 7

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 7



Stage Sequence Diagram for Controller Stream 7



Final Prediction Table

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES	
Arm	Traffic Stream	Name	Traffic Node	Controller Stream	Phase	Calculated Flow Entering (PCU/hr)	Calculated Sat Flow (PCU/hr)	Actual Green (s (per cycle))	Wasted Time Total (s (per cycle))	Degree Of Saturation (%)	Practical Reserve Capacity (%)	Journey Time Per PCU (s)	Mean Delay Per PCU (s)	Mean Stops Per PCU (%)	Mean Max Queue (PCU)	Max End Of Red Queue (PCU)
A	1	(untitled)	1	1	A	327	2128	18	0.00	71	26	45.02	41.42	98.79	8.22	7.13
A	2	(untitled)	1	1	A	349	2279	18	0.00	71	27	46.09	40.69	97.98	8.70	7.54
A	3	A38 North Entry	1	1	A	350	2279	18	0.00	71	27	46.19	40.79	98.11	8.73	7.57
A	4	(untitled)	1	1	A	350	2279	18	0.00	71	27	46.19	40.79	98.11	8.73	7.57
B	1	(untitled)	2			74	256	88	0.00	29	212	6.54	4.30	20.01	0.43	
B	2	(untitled)	2			73	134	88	0.00	54	66	22.90	20.67	60.28	1.15	
C	1	(untitled)	3	3	A	560	4063 f	13	0.00	87	4	63.99	52.80	111.28	15.82	14.11
C	2	(untitled)	3	3	A	559	4063 f	13	0.00	86	4	63.79	52.60	111.07	15.76	14.06
Ac	1	(untitled)	1	1	B	561	2112	60	0.00	38	135	7.68	3.66	20.07	2.94	2.60
Ac	2	(untitled)	1	1	B	657	2263	60	0.00	42	115	8.08	4.06	22.52	3.97	3.28
Ac	3	(untitled)	1	1	B	592	2263	60	0.00	38	138	10.34	6.31	38.55	6.04	4.56
Ax	1	(untitled)	8	5	A	311	1965	67	0.00	20	339	7.86	2.26	15.86	1.37	1.27
Ax	2	(untitled)	8	5	A	425	2105	67	7.00	26	244	6.18	0.58	1.97	0.28	0.28
Ax	3	(untitled)	8	5	A	98	2105	67	46.00	6	1394	5.99	0.39	1.93	0.05	0.05
Ax1	1	A38 North Exit				311	1800	88	16.00	17	421	5.80	0.21	0.00	0.02	

Ax1	**2**	A38 North Exit				523	1800	88	17.00	29	210	6.00	0.41	0.00	0.06	
Bc	**1**	(untitled)	6			888	1800	88	0.00	49	82	8.56	1.10	7.08	5.90	
Bc	**2**	(untitled)	6			1006	1800	88	3.00	56	61	12.03	1.60	13.50	8.06	
Bc	**3**	(untitled)	6			646	1800	88	4.00	36	151	10.65	0.73	9.99	5.22	
Bc	**4**	(untitled)	6			646	1800	88	0.00	36	151	8.38	0.92	14.72	6.90	
Bc1	**1**	(untitled)	2			866	1800	88	0.00	48	87	3.16	0.93	0.00	0.22	
Bc1	**2**	(untitled)	2			1006	1800	88	2.00	56	61	3.50	1.26	0.00	0.35	
Bc1	**3**	(untitled)	2			646	1800	88	3.00	36	151	2.80	0.56	0.00	0.10	
Bc1	**4**	(untitled)	2			646	1800	88	0.00	36	151	2.80	0.56	0.00	0.10	
Bx	**1**	(untitled)				22	1800	88	81.00	1	7264	7.47	0.01	0.00	0.00	
Cc	**1**	(untitled)	3	3	B	635	2059	65	8.00	41	119	7.21	2.36	15.13	2.63	2.21
Cc	**2**	(untitled)	3	3	B	667	2209	65	1.00	40	124	7.53	2.68	16.69	2.93	2.60
Cc	**3**	(untitled)	3	3	B	698	2181	65	0.00	43	111	7.71	2.86	17.47	3.23	2.81
Cx	**1**	A4097 Kinsbury Road Exit	9	6	A	940	2120	70	0.00	55	64	9.12	3.53	20.90	5.35	4.37
Cx	**2**	A4097 Kinsbury Road Exit	9	6	A	371	2120	70	3.00	22	315	6.34	0.75	7.27	0.93	0.84
Cx1	**1**	(untitled)				1311	1800	88	10.00	73	24	10.52	3.06	25.49	10.05	
D	**1**	(untitled)	4	2	A	305	2159	36	0.00	34	168	35.00	18.22	64.45	5.08	4.41
D	**2**	(untitled)	4	2	A	327	2317	36	0.00	34	168	34.93	18.15	64.36	5.44	4.72
D	**3**	(untitled)	4	2	A	492	2317	36	1.00	51	78	37.42	20.65	71.01	9.00	7.23
E	**1**	(untitled)	5			504	694	88	0.00	73	24	23.41	8.49	35.67	5.71	
E	**2**	(untitled)	5			1007	1387	88	0.00	73	24	20.06	5.14	31.97	10.46	
Dc	**1**	(untitled)	4	2	B	144	2059	42	25.00	14	529	7.01	0.30	0.00	0.01	0.01
Dc	**2**	(untitled)	4	2	B	679	2172	42	0.00	64	41	18.09	11.38	37.14	6.94	3.88
Dc	**3**	(untitled)	4	2	B	204	2185	42	22.00	19	371	7.49	0.78	2.25	0.12	0.12
Dx	**1**	(untitled)	7	7	A	1051 <	1915	68	3.00	70	29	8.45	5.32	43.07	12.76 +	3.88
Dx	**2**	(untitled)	7	7	A	667	2055	68	21.00	41	117	9.64	6.51	40.55	6.76	5.72
Dx	**3**	(untitled)	7	7	A	374	2055	68	21.00	23	288	7.67	4.54	39.48	4.13	3.35
Dx1	**1**	A38 South Exit				1051	2155	88	6.00	49	85	14.78	0.79	0.00	0.23	
Dx1	**2**	A38 South Exit				1041	2155	88	15.00	48	86	15.41	1.43	18.99	9.86	
Ec	**1**	(untitled)	5			110	1800	88	59.00	6	1373	5.82	0.07	0.00	0.00	
Ec	**2**	(untitled)	5			425	1800	88	27.00	24	281	4.89	0.64	14.13	4.68	
Ec	**3**	(untitled)	5			598 <	1800	88	27.00	33	171	5.12	1.39	28.01	8.70 +	
Ex	**1**	(untitled)				437	1800	88	25.00	24	271	7.80	0.35	1.50	2.11	
Ex	**2**	(untitled)				581	1800	88	37.00	32	179	7.93	0.48	0.63	1.09	

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	3021.15	109.92	27.48	38.30	17.45	446.71	159.82	9.99	616.52
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)	3021.15	109.92	27.48	38.30	17.45	446.71	159.82	9.99	616.52

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

Traffic Stream Results

Traffic Stream Results: Vehicle Summary

Time Segment	Arm	Traffic Stream	Degree Of Saturation (%)	Practical Reserve Capacity (%)	Calculated Flow Entering (PCU/hr)	Calculated Sat Flow (PCU/hr)	Actual Green (s (per cycle))	Mean Delay Per PCU (s)	Mean Max Queue (PCU)	Utilised Storage (%)	Weighted Cost Of Delay (£ per hr)	Weighted Cost Of Stops (£ per hr)	Performance Index (£ per hr)
08:00-09:00	**A**	**1**	71	26	327	2128	18	41.42	8.22	47.24	21.37	0.00	21.37
08:00-09:00	**A**	**2**	71	27	349	2279	18	40.69	8.70	33.35	22.40	0.00	22.40
08:00-09:00	**A**	**3**	71	27	350	2279	18	40.79	8.73	33.47	22.52	0.00	22.52
08:00-09:00	**A**	**4**	71	27	350	2279	18	40.79	8.73	33.47	22.52	0.00	22.52
08:00-09:00	**B**	**1**	29	212	74	256	88	4.30	0.43	8.21	1.26	0.48	1.74
08:00-09:00	**B**	**2**	54	66	73	134	88	20.67	1.15	21.96	5.95	1.43	7.38
08:00-09:00	**C**	**1**	87	4	560	4063	13	52.80	15.82	45.49	46.66	0.00	46.66
08:00-09:00	**C**	**2**	86	4	559	4063	13	52.60	15.76	45.32	46.39	0.00	46.39
08:00-09:00	**Ac**	**1**	38	135	561	2112	60	3.66	2.94	41.95	8.09	3.66	11.74
08:00-09:00	**Ac**	**2**	42	115	657	2263	60	4.06	3.97	56.68	10.51	4.80	15.32
08:00-09:00	**Ac**	**3**	38	138	592	2263	60	6.31	6.04	86.21	14.73	7.41	22.15
08:00-09:00	**Ax**	**1**	20	339	311	1965	67	2.26	1.37	7.86	2.78	2.85	5.62
08:00-09:00	**Ax**	**2**	26	244	425	2105	67	0.58	0.28	1.60	0.98	0.48	1.46

08:00-09:00	Ax	3	6	1394	98	2105	67	0.39	0.05	0.27	0.15	0.11	0.26
08:00-09:00	Ax1	1	17	421	311	1800	88	0.21	0.02	0.10	0.26	0.00	0.26
08:00-09:00	Ax1	2	29	210	523	1800	88	0.41	0.06	0.34	0.84	0.00	0.84
08:00-09:00	Bc	1	49	82	888	1800	88	1.10	5.90	33.93	3.86	2.04	5.90
08:00-09:00	Bc	2	56	61	1006	1800	88	1.60	8.06	46.36	6.36	4.16	10.52
08:00-09:00	Bc	3	36	151	646	1800	88	0.73	5.22	30.03	1.86	0.85	2.71
08:00-09:00	Bc	4	36	151	646	1800	88	0.92	6.90	39.66	2.34	3.09	5.43
08:00-09:00	Bc1	1	48	87	866	1800	88	0.93	0.22	4.27	3.16	0.00	3.16
08:00-09:00	Bc1	2	56	61	1006	1800	88	1.26	0.35	6.77	5.02	0.00	5.02
08:00-09:00	Bc1	3	36	151	646	1800	88	0.56	0.10	1.92	1.43	0.00	1.43
08:00-09:00	Bc1	4	36	151	646	1800	88	0.56	0.10	1.92	1.43	0.00	1.43
08:00-09:00	Bx	1	1	7264	22	1800	88	0.01	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Cc	1	41	119	635	2059	65	2.36	2.63	43.84	5.91	3.12	9.03
08:00-09:00	Cc	2	40	124	667	2209	65	2.68	2.93	48.75	7.05	3.62	10.66
08:00-09:00	Cc	3	43	111	698	2181	65	2.86	3.23	53.82	7.88	3.96	11.84
08:00-09:00	Cx	1	55	64	940	2120	70	3.53	5.35	30.75	13.08	11.34	24.43
08:00-09:00	Cx	2	22	315	371	2120	70	0.75	0.93	5.34	1.09	1.56	2.65
08:00-09:00	Cx1	1	73	24	1311	1800	88	3.06	10.05	57.81	15.84	10.85	26.69
08:00-09:00	D	1	34	168	305	2159	36	18.22	5.08	9.74	8.77	0.00	8.77
08:00-09:00	D	2	34	168	327	2317	36	18.15	5.44	10.43	9.36	0.00	9.36
08:00-09:00	D	3	51	78	492	2317	36	20.65	9.00	17.26	16.03	0.00	16.03
08:00-09:00	E	1	73	24	504	694	88	8.49	5.71	16.41	6.75	5.84	12.59
08:00-09:00	E	2	73	24	1007	1387	88	5.14	10.46	30.08	8.17	10.46	18.63
08:00-09:00	Dc	1	14	529	144	2059	42	0.30	0.01	0.08	1.70	0.00	1.70
08:00-09:00	Dc	2	64	41	679	2172	42	11.38	6.94	44.35	30.48	8.19	38.67
08:00-09:00	Dc	3	19	371	204	2185	42	0.78	0.12	0.74	0.63	0.15	0.77
08:00-09:00	Dx	1	70	29	1051	1915	68	5.32	12.76	130.98	22.05	26.13	48.18
08:00-09:00	Dx	2	41	117	667	2055	68	6.51	6.76	69.43	17.12	15.61	32.73
08:00-09:00	Dx	3	23	288	374	2055	68	4.54	4.13	42.41	6.70	8.52	15.22
08:00-09:00	Dx1	1	49	85	1051	2155	88	0.79	0.23	0.53	3.29	0.00	3.29

08:00-09:00	Dx1	2	48	86	1041	2155	88	1.43	9.86	22.68	5.87	11.41	17.28
08:00-09:00	Ec	1	6	1373	110	1800	88	0.07	0.00	0.02	0.03	0.00	0.03
08:00-09:00	Ec	2	24	281	425	1800	88	0.64	4.68	53.80	1.07	1.94	3.01
08:00-09:00	Ec	3	33	171	598	1800	88	1.39	8.70	100.05	3.28	5.44	18.70
08:00-09:00	Ex	1	24	271	437	1800	88	0.35	2.11	12.14	0.60	0.21	0.81
08:00-09:00	Ex	2	32	179	581	1800	88	0.48	1.09	6.27	1.10	0.12	1.21

Traffic Stream Results: Flows And Signals

Time Segment	Arm	Traffic Stream	Calculated Flow Entering (PCU/hr)	Calculated Flow Out (PCU/hr)	Flow Discrepancy (PCU/hr)	Adjusted Flow Warning	Calculated Sat Flow (PCU/hr)	Calculated Capacity (PCU/hr)	Degree Of Saturation (%)	DOS Threshold Exceeded	Practical Reserve Capacity (%)	Mean Modulus Of Error	Actual Green (s (per cycle))	Effective Green (s (per cycle))
08:00-09:00	A	1	327	327	0		2128	459	71		26	0.00	18	19
08:00-09:00	A	2	349	349	1		2279	492	71		27	0.00	18	19
08:00-09:00	A	3	350	350	0		2279	492	71		27	0.00	18	19
08:00-09:00	A	4	350	350	0		2279	492	71		27	0.00	18	19
08:00-09:00	B	1	74	74	0		256	256	29		212	0.00	88	88
08:00-09:00	B	2	73	73	2		134	134	54		66	0.00	88	88
08:00-09:00	C	1	560	560	-1		4063	646	87		4	0.00	13	14
08:00-09:00	C	2	559	559	1		4063	646	86		4	0.00	13	14
08:00-09:00	Ac	1	561	561	0		2112	1464	38		135	0.48	60	61
08:00-09:00	Ac	2	657	657	0		2263	1569	42		115	0.41	60	61
08:00-09:00	Ac	3	592	592	-1		2263	1569	38		138	0.17	60	61
08:00-09:00	Ax	1	311	311	1		1965	1518	20		339	0.43	67	68
08:00-09:00	Ax	2	425	425	1		2105	1627	26		244	0.82	67	68
08:00-09:00	Ax	3	98	98	1		2105	1627	6		1394	1.43	67	68
08:00-09:00	Ax1	1	311	311	1		1800	1800	17		421	0.63	88	88
08:00-09:00	Ax1	2	523	523	1		1800	1800	29		210	0.80	88	88
08:00-09:00	Bc	1	888	888	-1		1800	1800	49		82	0.46	88	88
08:00-09:00	Bc	2	1006	1006	1		1800	1800	56		61	0.41	88	88
08:00-09:00	Bc	3	646	646	-1		1800	1800	36		151	0.74	88	88
08:00-09:00	Bc	4	646	646	-1		1800	1800	36		151	0.73	88	88
08:00-09:00	Bc1	1	866	866	-1		1800	1800	48		87	0.44	88	88

08:00-09:00	Bc1	2	1006	1006	1		1800	1800	56		61	0.37	88	88
08:00-09:00	Bc1	3	646	646	-1		1800	1800	36		151	0.73	88	88
08:00-09:00	Bc1	4	646	646	-1		1800	1800	36		151	0.71	88	88
08:00-09:00	Bx	1	22	22	0		1800	1800	1		7264	0.72	88	88
08:00-09:00	Cc	1	635	635	0		2059	1544	41		119	0.67	65	66
08:00-09:00	Cc	2	667	667	0		2209	1657	40		124	0.68	65	66
08:00-09:00	Cc	3	698	698	1		2181	1636	43		111	0.57	65	66
08:00-09:00	Cx	1	940	940	-1		2120	1710	55		64	0.34	70	71
08:00-09:00	Cx	2	371	371	1		2120	1710	22		315	0.65	70	71
08:00-09:00	Cx1	1	1311	1311	0		1800	1800	73		24	0.41	88	88
08:00-09:00	D	1	305	305	0		2159	908	34		168	0.00	36	37
08:00-09:00	D	2	327	327	0		2317	974	34		168	0.00	36	37
08:00-09:00	D	3	492	492	0		2317	974	51		78	0.00	36	37
08:00-09:00	E	1	504	504	0		694	694	73		24	0.00	88	88
08:00-09:00	E	2	1007	1007	-1		1387	1387	73		24	0.00	88	88
08:00-09:00	Dc	1	144	144	-1		2059	1006	14		529	1.57	42	43
08:00-09:00	Dc	2	679	679	0		2172	1061	64		41	1.01	42	43
08:00-09:00	Dc	3	204	204	1		2185	1068	19		371	1.52	42	43
08:00-09:00	Dx	1	1051	1051	0		1915	1502	70		29	0.71	68	69
08:00-09:00	Dx	2	667	667	0		2055	1611	41		117	0.86	68	69
08:00-09:00	Dx	3	374	374	0		2055	1611	23		288	0.81	68	69
08:00-09:00	Dx1	1	1051	1051	0		2155	2155	49		85	0.58	88	88
08:00-09:00	Dx1	2	1041	1041	-1		2155	2155	48		86	0.76	88	88
08:00-09:00	Ec	1	110	110	1		1800	1800	6		1373	1.26	88	88
08:00-09:00	Ec	2	425	425	1		1800	1800	24		281	0.89	88	88
08:00-09:00	Ec	3	598	598	1		1800	1800	33		171	0.88	88	88
08:00-09:00	Ex	1	437	437	-1		1800	1800	24		271	0.87	88	88
08:00-09:00	Ex	2	581	581	-1		1800	1800	32		179	1.03	88	88

Traffic Stream Results: Stops And Delays

Time Segment	Arm	Traffic Stream	Mean Cruise Time Per PCU (s)	Mean Delay Per PCU (s)	Uniform Delay (PCU-hr/hr)	Random Plus Oversat Delay (PCU-hr/hr)	Unweighted Cost Of Delay (£ per hr)	Weighted Cost Of Delay (£ per hr)	Mean Stops Per PCU (%)	Uniform Stops (Stops per hr)	Random Stops (Stops per hr)	Unweighted Cost Of Stops (£ per hr)	Weighted Cost Of Stops (£ per hr)
08:00-09:00	A	1	3.60	41.42	2.90	0.86	53.42	21.37	98.79	288.87	34.18	45.01	0.00
08:00-09:00	A	2	5.40	40.69	3.10	0.85	56.01	22.40	97.98	308.17	33.79	47.64	0.00
08:00-09:00	A	3	5.40	40.79	3.11	0.86	56.31	22.52	98.11	309.16	34.21	47.84	0.00
08:00-09:00	A	4	5.40	40.79	3.11	0.86	56.31	22.52	98.11	309.16	34.21	47.84	0.00
08:00-09:00	B	1	2.24	4.30	0.03	0.06	1.26	1.26	20.01	12.44	2.37	0.48	0.48
08:00-09:00	B	2	2.24	20.67	0.10	0.31	5.95	5.95	60.28	31.70	12.31	1.43	1.43
08:00-09:00	C	1	11.19	52.80	5.61	2.60	116.64	46.66	111.28	521.72	101.46	35.97	0.00
08:00-09:00	C	2	11.19	52.60	5.60	2.56	115.98	46.39	111.07	520.73	100.16	35.84	0.00
08:00-09:00	Ac	1	4.03	3.66	0.45	0.12	8.09	8.09	20.07	107.72	4.85	3.66	3.66
08:00-09:00	Ac	2	4.03	4.06	0.59	0.15	10.51	10.51	22.52	141.80	6.15	4.80	4.80
08:00-09:00	Ac	3	4.03	6.31	0.92	0.11	14.73	14.73	38.55	223.55	4.67	7.41	7.41
08:00-09:00	Ax	1	5.59	2.26	0.17	0.03	2.78	2.78	15.86	48.24	1.08	2.85	2.85
08:00-09:00	Ax	2	5.59	0.58	0.02	0.05	0.98	0.98	1.97	6.47	1.89	0.48	0.48
08:00-09:00	Ax	3	5.59	0.39	0.01	0.00	0.15	0.15	1.93	1.81	0.08	0.11	0.11
08:00-09:00	Ax1	1	5.59	0.21	0.00	0.02	0.26	0.26	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Ax1	2	5.59	0.41	0.00	0.06	0.84	0.84	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Bc	1	7.46	1.10	0.03	0.24	3.86	3.86	7.08	53.07	9.78	2.04	2.04
08:00-09:00	Bc	2	10.42	1.60	0.09	0.35	6.36	6.36	13.50	121.38	14.40	4.16	4.16
08:00-09:00	Bc	3	9.92	0.73	0.03	0.10	1.86	1.86	9.99	60.46	4.10	0.85	0.85
08:00-09:00	Bc	4	7.46	0.92	0.06	0.10	2.34	2.34	14.72	90.97	4.10	3.09	3.09
08:00-09:00	Bc1	1	2.24	0.93	0.00	0.22	3.16	3.16	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Bc1	2	2.24	1.26	0.00	0.35	5.02	5.02	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Bc1	3	2.24	0.56	0.00	0.10	1.43	1.43	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Bc1	4	2.24	0.56	0.00	0.10	1.43	1.43	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Bx	1	7.46	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Cc	1	4.85	2.36	0.27	0.14	5.91	5.91	15.13	90.23	5.85	3.12	3.12
08:00-09:00	Cc	2	4.85	2.68	0.36	0.14	7.05	7.05	16.69	105.80	5.53	3.62	3.62
08:00-09:00	Cc	3	4.85	2.86	0.40	0.16	7.88	7.88	17.47	115.50	6.47	3.96	3.96

08:00-09:00	Cx	1	5.59	3.53	0.59	0.33	13.08	13.08	20.90	182.86	13.63	11.34	11.34
08:00-09:00	Cx	2	5.59	0.75	0.05	0.03	1.09	1.09	7.27	25.74	1.23	1.56	1.56
08:00-09:00	Cx1	1	7.46	3.06	0.15	0.97	15.84	15.84	25.49	217.80	116.34	10.85	10.85
08:00-09:00	D	1	16.78	18.22	1.46	0.08	21.92	8.77	64.45	193.11	3.46	11.35	0.00
08:00-09:00	D	2	16.78	18.15	1.56	0.08	23.41	9.36	64.36	207.01	3.46	12.15	0.00
08:00-09:00	D	3	16.78	20.65	2.56	0.26	40.07	16.03	71.01	338.90	10.45	20.17	0.00
08:00-09:00	E	1	14.91	8.49	0.24	0.95	16.88	6.75	35.67	141.78	37.97	5.84	5.84
08:00-09:00	E	2	14.91	5.14	0.49	0.95	20.43	8.17	31.97	283.37	38.62	10.46	10.46
08:00-09:00	Dc	1	6.71	0.30	0.00	0.01	0.17	1.70	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Dc	2	6.71	11.38	1.58	0.56	30.48	30.48	37.14	206.77	45.41	8.19	8.19
08:00-09:00	Dc	3	6.71	0.78	0.02	0.02	0.63	0.63	2.25	3.66	0.92	0.15	0.15
08:00-09:00	Dx	1	3.13	5.32	0.74	0.81	22.05	22.05	43.07	387.30	65.32	26.13	26.13
08:00-09:00	Dx	2	3.13	6.51	1.06	0.15	17.12	17.12	40.55	258.57	11.89	15.61	15.61
08:00-09:00	Dx	3	3.13	4.54	0.44	0.04	6.70	6.70	39.48	146.24	1.43	8.52	8.52
08:00-09:00	Dx1	1	13.98	0.79	0.00	0.23	3.29	3.29	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Dx1	2	13.98	1.43	0.19	0.23	5.87	5.87	18.99	179.31	18.36	11.41	11.41
08:00-09:00	Ec	1	5.75	0.07	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Ec	2	4.25	0.64	0.04	0.04	1.07	1.07	14.13	58.56	1.49	1.94	1.94
08:00-09:00	Ec	3	3.73	1.39	0.15	0.08	3.28	3.28	28.01	164.12	3.37	5.44	5.44
08:00-09:00	Ex	1	7.46	0.35	0.00	0.04	0.60	0.60	1.50	4.95	1.59	0.21	0.21
08:00-09:00	Ex	2	7.46	0.48	0.00	0.08	1.10	1.10	0.63	0.51	3.14	0.12	0.12

Traffic Stream Results: Queues And Blocking

Time Segment	Arm	Traffic Stream	Initial Queue (PCU)	Mean Max Queue (PCU)	Max Queue Storage (PCU)	Utilised Storage (%)	Average Link Excess Queue (PCU)	Average Limit Excess Queue (PCU)	Excess Queue Penalty (£ per hr)	Max End Of Green Queue (PCU)	Max End Of Red Queue (PCU)	Wasted Time Starvation (s (per cycle))	Wasted Time Blocking Back (s (per cycle))	Wasted Time Total (s (per cycle))	Estimated Blocking
08:00-09:00	A	1	0.00	8.22	17.39	47.24	0.00	0.00	0.00	0.86	7.13	0.00	0.00	0.00	
08:00-09:00	A	2	0.00	8.70	26.09	33.35	0.00	0.00	0.00	0.85	7.54	0.00	0.00	0.00	
08:00-09:00	A	3	0.00	8.73	26.09	33.47	0.00	0.00	0.00	0.86	7.57	0.00	0.00	0.00	
08:00-09:00	A	4	0.00	8.73	26.09	33.47	0.00	0.00	0.00	0.86	7.57	0.00	0.00	0.00	
08:00-09:00	B	1	0.00	0.43	5.22	8.21	0.00	0.00	0.00			0.00	0.00	0.00	

08:00-09:00	B	2	0.00	1.15	5.22	21.96	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	C	1	0.00	15.82	34.78	45.49	0.00	0.00	0.00	2.60	14.11	0.00	0.00	0.00	
08:00-09:00	C	2	0.00	15.76	34.78	45.32	0.00	0.00	0.00	2.56	14.06	0.00	0.00	0.00	
08:00-09:00	Ac	1	0.00	2.94	7.00	41.95	0.00	0.00	0.00	0.12	2.60	0.00	0.00	0.00	
08:00-09:00	Ac	2	0.00	3.97	7.00	56.68	0.00	0.00	0.00	0.15	3.28	0.00	0.00	0.00	
08:00-09:00	Ac	3	0.00	6.04	7.00	86.21	0.00	0.00	0.00	0.11	4.56	0.00	0.00	0.00	
08:00-09:00	Ax	1	0.00	1.37	17.39	7.86	0.00	0.00	0.00	0.03	1.27	0.00	0.00	0.00	
08:00-09:00	Ax	2	0.00	0.28	17.39	1.60	0.00	0.00	0.00	0.05	0.28	7.00	0.00	7.00	
08:00-09:00	Ax	3	0.00	0.05	17.39	0.27	0.00	0.00	0.00	0.00	0.05	46.00	0.00	46.00	
08:00-09:00	Ax1	1	0.00	0.02	17.39	0.10	0.00	0.00	0.00			16.00	0.00	16.00	
08:00-09:00	Ax1	2	0.00	0.06	17.39	0.34	0.00	0.00	0.00			17.00	0.00	17.00	
08:00-09:00	Bc	1	0.00	5.90	17.39	33.93	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Bc	2	0.00	8.06	17.39	46.36	0.00	0.00	0.00			3.00	0.00	3.00	
08:00-09:00	Bc	3	0.00	5.22	17.39	30.03	0.00	0.00	0.00			4.00	0.00	4.00	
08:00-09:00	Bc	4	0.00	6.90	17.39	39.66	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Bc1	1	0.00	0.22	5.22	4.27	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Bc1	2	0.00	0.35	5.22	6.77	0.00	0.00	0.00			2.00	0.00	2.00	
08:00-09:00	Bc1	3	0.00	0.10	5.22	1.92	0.00	0.00	0.00			3.00	0.00	3.00	
08:00-09:00	Bc1	4	0.00	0.10	5.22	1.92	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Bx	1	0.00	0.00	17.39	0.00	0.00	0.00	0.00			81.00	0.00	81.00	
08:00-09:00	Cc	1	0.00	2.63	6.00	43.84	0.00	0.00	0.00	0.14	2.21	0.00	8.00	8.00	
08:00-09:00	Cc	2	0.00	2.93	6.00	48.75	0.00	0.00	0.00	0.14	2.60	1.00	0.00	1.00	
08:00-09:00	Cc	3	0.00	3.23	6.00	53.82	0.00	0.00	0.00	0.16	2.81	0.00	0.00	0.00	
08:00-09:00	Cx	1	0.00	5.35	17.39	30.75	0.00	0.00	0.00	0.33	4.37	0.00	0.00	0.00	
08:00-09:00	Cx	2	0.00	0.93	17.39	5.34	0.00	0.00	0.00	0.03	0.84	3.00	0.00	3.00	
08:00-09:00	Cx1	1	0.00	10.05	17.39	57.81	0.00	0.00	0.00			10.00	0.00	10.00	
08:00-09:00	D	1	0.00	5.08	52.17	9.74	0.00	0.00	0.00	0.08	4.41	0.00	0.00	0.00	
08:00-09:00	D	2	0.00	5.44	52.17	10.43	0.00	0.00	0.00	0.08	4.72	0.00	0.00	0.00	
08:00-09:00	D	3	0.00	9.00	52.17	17.26	0.00	0.00	0.00	0.26	7.23	0.00	1.00	1.00	
08:00-09:00	E	1	0.00	5.71	34.78	16.41	0.00	0.00	0.00			0.00	0.00	0.00	

08:00-09:00	E	2	0.00	10.46	34.78	30.08	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	Dc	1	0.00	0.01	15.65	0.08	0.00	0.00	0.00	0.01	0.01	25.00	0.00	25.00	
08:00-09:00	Dc	2	0.00	6.94	15.65	44.35	0.00	0.00	0.00	0.56	3.88	0.00	0.00	0.00	
08:00-09:00	Dc	3	0.00	0.12	15.65	0.74	0.00	0.00	0.00	0.02	0.12	22.00	0.00	22.00	
08:00-09:00	Dx	1	0.00	12.76	9.74	130.98	0.16	0.00	0.00	0.81	3.88	3.00	0.00	3.00	
08:00-09:00	Dx	2	0.00	6.76	9.74	69.43	0.00	0.00	0.00	0.15	5.72	21.00	0.00	21.00	
08:00-09:00	Dx	3	0.00	4.13	9.74	42.41	0.00	0.00	0.00	0.04	3.35	21.00	0.00	21.00	
08:00-09:00	Dx1	1	0.00	0.23	43.48	0.53	0.00	0.00	0.00			6.00	0.00	6.00	
08:00-09:00	Dx1	2	0.00	9.86	43.48	22.68	0.00	0.00	0.00			15.00	0.00	15.00	
08:00-09:00	Ec	1	0.00	0.00	8.70	0.02	0.00	0.00	0.00			59.00	0.00	59.00	
08:00-09:00	Ec	2	0.00	4.68	8.70	53.80	0.00	0.00	0.00			27.00	0.00	27.00	
08:00-09:00	Ec	3	0.00	8.70	8.70	100.05	0.00	0.17	9.99			27.00	0.00	27.00	
08:00-09:00	Ex	1	0.00	2.11	17.39	12.14	0.00	0.00	0.00			25.00	0.00	25.00	
08:00-09:00	Ex	2	0.00	1.09	17.39	6.27	0.00	0.00	0.00			37.00	0.00	37.00	

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	87	15.82	646	4
08:00-09:00	C	2	✓	Quick Flare	86	15.76	646	4

Traffic Stream Results: Advanced

Time Segment	Arm	Traffic Stream	Degree Of Saturation Penalty (£ per hr)	Phase Min Max Penalty (£ per hr)	Intergreen Broken Penalty (£ per hr)	Stage Constraint Broken Penalty (£ per hr)	Ped Gap Accepting Penalty (£ per hr)	Warmed Up	Warmed Up Error	Mean Max Queue EoTS (PCU)	Max End Of Green Queue Eo TS (PCU)	Max End Of Red Queue Eo TS (PCU)	Cost Of Penalties (£ per hr)	Unweighted Performance Index (£ per hr)	Perform Index (£ hr)
08:00-09:00	A	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	8.23	0.87	7.14	0.00	98.43	21.3
08:00-09:00	A	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	8.71	0.86	7.54	0.00	103.65	22.4
08:00-09:00	A	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	8.74	0.87	7.57	0.00	104.14	22.5
08:00-09:00	A	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	8.74	0.87	7.57	0.00	104.14	22.5
08:00-09:00	B	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.43			0.00	1.74	1.7
08:00-09:00	B	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.15			0.00	7.38	7.3
08:00-09:00	C	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	15.92	2.70	14.21	0.00	152.61	46.6
08:00-09:00	C	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	15.86	2.66	14.15	0.00	151.82	46.3

08:00-09:00	Ac	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.94	0.12	2.60	0.00	11.74	11.7
08:00-09:00	Ac	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.97	0.15	3.28	0.00	15.32	15.3
08:00-09:00	Ac	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.04	0.11	4.56	0.00	22.15	22.1
08:00-09:00	Ax	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.37	0.03	1.27	0.00	5.62	5.6
08:00-09:00	Ax	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.28	0.05	0.28	0.00	1.46	1.4
08:00-09:00	Ax	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.05	0.00	0.05	0.00	0.26	0.2
08:00-09:00	Ax1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.02			0.00	0.26	0.2
08:00-09:00	Ax1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.06			0.00	0.84	0.8
08:00-09:00	Bc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.90			0.00	5.90	5.9
08:00-09:00	Bc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	8.06			0.00	10.52	10.5
08:00-09:00	Bc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.22			0.00	2.71	2.7
08:00-09:00	Bc	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.90			0.00	5.43	5.4
08:00-09:00	Bc1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.22			0.00	3.16	3.1
08:00-09:00	Bc1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.35			0.00	5.02	5.0
08:00-09:00	Bc1	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.10			0.00	1.43	1.4
08:00-09:00	Bc1	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.10			0.00	1.43	1.4
08:00-09:00	Bx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.00			0.00	0.00	0.0
08:00-09:00	Cc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.63	0.14	2.21	0.00	9.03	9.0
08:00-09:00	Cc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.93	0.14	2.60	0.00	10.66	10.6
08:00-09:00	Cc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.23	0.16	2.81	0.00	11.84	11.8
08:00-09:00	Cx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.35	0.33	4.37	0.00	24.43	24.4
08:00-09:00	Cx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.93	0.03	0.84	0.00	2.65	2.6
08:00-09:00	Cx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.06			0.00	26.69	26.6
08:00-09:00	D	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.08	0.08	4.41	0.00	33.27	8.7
08:00-09:00	D	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.44	0.08	4.72	0.00	35.56	9.3
08:00-09:00	D	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.00	0.26	7.23	0.00	60.23	16.0
08:00-09:00	E	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.71			0.00	22.72	12.5
08:00-09:00	E	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.47			0.00	30.89	18.6
08:00-09:00	Dc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.01	0.01	0.01	0.00	0.17	1.7
08:00-09:00	Dc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.94	0.57	3.88	0.00	38.67	38.6

08:00-09:00	Dc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.12	0.02	0.12	0.00	0.77	0.7
08:00-09:00	Dx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	12.76	0.81	3.89	0.00	48.18	48.1
08:00-09:00	Dx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.76	0.15	5.72	0.00	32.73	32.7
08:00-09:00	Dx	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.13	0.04	3.35	0.00	15.22	15.2
08:00-09:00	Dx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.23			0.00	3.29	3.2
08:00-09:00	Dx1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.86			0.00	17.28	17.2
08:00-09:00	Ec	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.00			0.00	0.03	0.0
08:00-09:00	Ec	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.68			0.00	3.01	3.0
08:00-09:00	Ec	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	8.70			9.99	8.72	18.7
08:00-09:00	Ex	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.11			0.00	0.81	0.8
08:00-09:00	Ex	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.09			0.00	1.21	1.2

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 0	25/06/2014 16:50:25	25/06/2014 16:50:29	08:00	88	55.75	86.64	C/1	0	0	C/1	Cx1/1	C/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	87	4	27111	3276	7.40	446.71	159.82	616.52

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	0	0	0	0.00	0.00	0.00

Network Results: Flows And Signals

Time Segment	Calculated Flow Entering (PCU/hr)	Calculated Flow Out (PCU/hr)	Flow Discrepancy (PCU/hr)	Adjusted Flow Warning	Degree Of Saturation (%)	DOS Threshold Exceeded	Practical Reserve Capacity (%)	Actual Green (s (per cycle))	Effective Green (s (per cycle))
08:00-09:00	27111	27111	3		87		4	3276	3302

Network Results: Stops And Delays

Time Segment	Mean Cruise Time Per PCU (s)	Mean Delay Per PCU (s)	Uniform Delay (PCU-hr/hr)	Random Plus Oversat Delay (PCU-hr/hr)	Unweighted Cost Of Delay (£ per hr)	Weighted Cost Of Delay (£ per hr)	Mean Stops Per PCU (%)	Uniform Stops (Stops per hr)	Random Stops (Stops per hr)	Unweighted Cost Of Stops (£ per hr)	Weighted Cost Of Stops (£ per hr)
08:00-09:00	7.19	7.40	38.30	17.45	791.61	446.71	26.81	6469.49	799.73	463.62	159.82

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	911.70	9.99	481.00	9.00	490.00

Network Results: Journey Times

Time Segment	Distance Travelled (PCU-km/hr)	Time Spent (PCU-hr/hr)	Mean Journey Speed (kph)
08:00-09:00	3021.15	109.92	27.48

TRANSYT 15

Version: 15.0.1.2976 []

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Last run: 25/06/2014 16:53:39
Analysis Set used for last run: A2 - 2031 PM Scenario 0

Filename: Minworth Option 4 - AM Scenario 0 Rev 2.t15
Path: F:\TEM\Project\BCC - Peddimore Access Modelling\3. EXECUTION\Modelling\Scenario 0
Report generation date: 25/06/2014 16:55:31

File summary

File Description

Title	A38 Peddimore Lane Junction - Minworth roundabout
Location	Birmingham
Site Number	
UTCRegion	
Driving Side	Left
Date	25/02/2014
Version	
Status	Proposed Option
Identifier	
Client	Birmingham City Council
Jobnumber	60316941
Enumerator	EU\vuppalas
Description	2031 SC0 - Peddimore Lane junction flows tested in preferred Option Model for Minworth roundabout

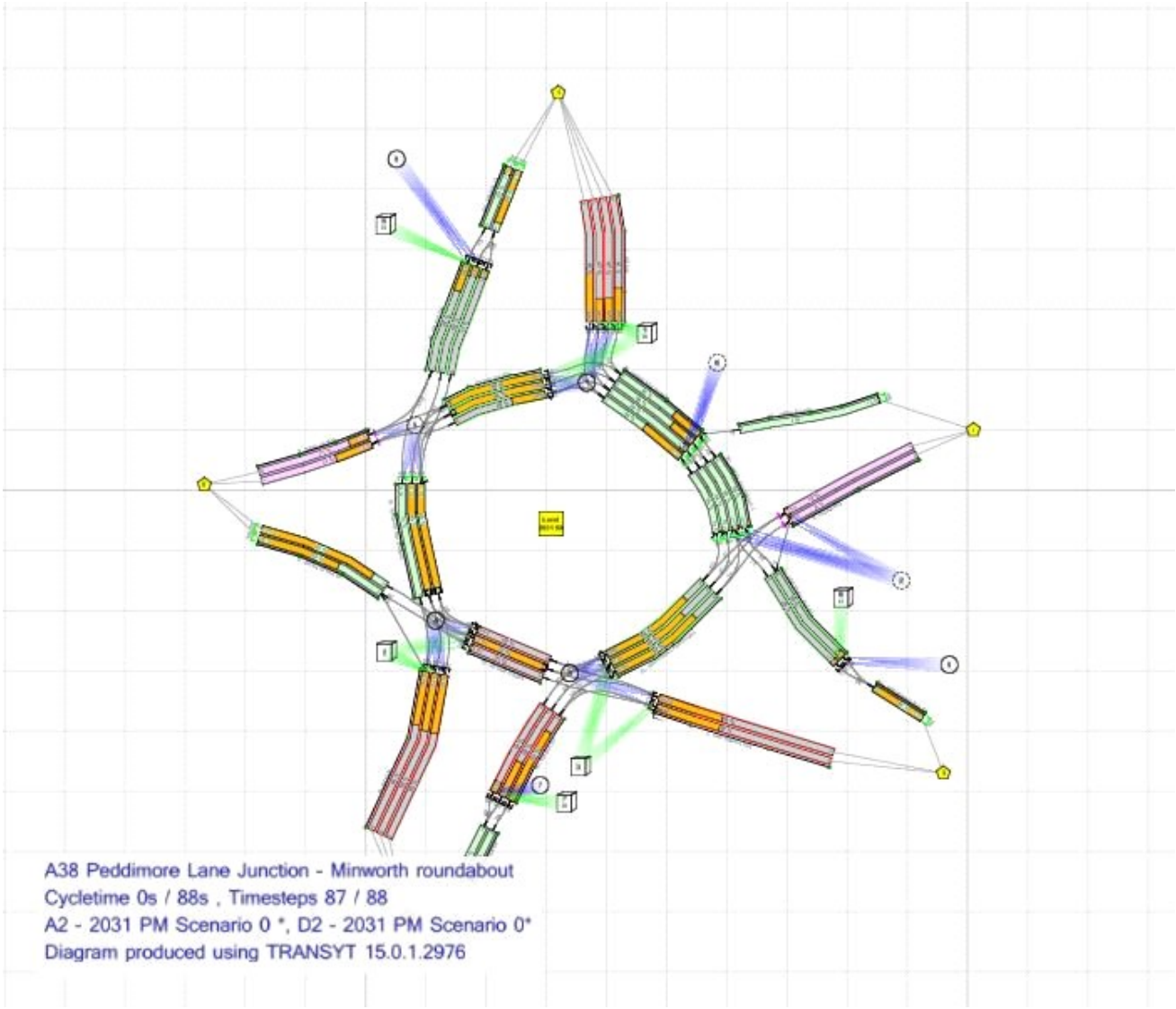
Units

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 0 *: D2 - 2031 PM Scenario 0*

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 0	25/06/2014 16:53:35	25/06/2014 16:53:39	17:00	88	62.77	84.74	A/4	0	0	A/4	E/1	A/4	

Analysis Set Details

Name	Description	Demand Set	Include In Report	Locked
2031 PM Scenario 0		D2	✓	

Demand Set Details

Demand Set	Name	Description	Composite	Demand Sets	Start Time (HH:mm)	Locked
D2	2031 PM Scenario 0				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	

Arms and Traffic Streams

Arms

Arm	Name	Description	Traffic Node
A	A38 North		1
Ax1	A38 North Exit		
B	Lindridge Drive		2
C	A4097 Kingsbury Road		3
Ac	A38 North Circulatory		1
Ax	A38 North Exit		8
Bc	Lindridge Drive Circulatory		6
Bc1	Lindridge Drive Circulatory 2		2
Bx	Lindridge drive Exit		
Cc	A4097 Kingsbury Road Circulatory		3
Cx	A4097 Kinsbury Road Exit		9
Cx1	A4097 Kingsbury Road Exit		
D	A38 South		4
E	Wamley Ash Road		5
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		

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto Length	Length (m)	Has Restricted Flow	Saturation Flow Source	Saturation Flow (PCU/hr)	Is Signal Controlled	Is Give Way	Traffic Type
A	1	(untitled)			100.00	✓	SumOfLanes	2128	✓		Normal
A	2	(untitled)			150.00	✓	SumOfLanes	2279	✓		Normal
A	3	A38 North Entry			150.00	✓	SumOfLanes	2279	✓		Normal
A	4	(untitled)			150.00	✓	SumOfLanes	2279	✓		Normal
B	1	(untitled)			30.00					✓	Normal
B	2	(untitled)			30.00					✓	Normal
C	1	(untitled)			200.00	✓	SumOfLanes	2263	✓		Normal
C	2	(untitled)			200.00	✓	SumOfLanes	2263	✓		Normal
Ac	1	(untitled)			54.00	✓	SumOfLanes	2112	✓		Normal
Ac	2	(untitled)			54.00	✓	SumOfLanes	2263	✓		Normal
Ac	3	(untitled)			54.00	✓	SumOfLanes	2263	✓		Normal
Ax	1	(untitled)			100.00	✓	SumOfLanes	1965	✓		Normal
Ax	2	(untitled)			100.00	✓	SumOfLanes	2105	✓		Normal
Ax	3	(untitled)			100.00	✓	SumOfLanes	2105	✓		Normal
Ax1	1	A38 North Exit			100.00	✓	SumOfLanes	1800			Normal
Ax1	2	A38 North Exit			100.00	✓	SumOfLanes	1800			Normal
Bc	1	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc	2	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc	3	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc	4	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc1	1	(untitled)			30.00	✓	SumOfLanes	1800			Normal

Bc1	**2**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
Bc1	**3**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
Bc1	**4**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
Bx	**1**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Cc	**1**	(untitled)			65.00	✓	SumOfLanes	2059	✓		Normal
Cc	**2**	(untitled)			65.00	✓	SumOfLanes	2209	✓		Normal
Cc	**3**	(untitled)			65.00	✓	SumOfLanes	2181	✓		Normal
Cx	**1**	A4097 Kinsbury Road Exit			100.00	✓	SumOfLanes	2120	✓		Normal
Cx	**2**	A4097 Kinsbury Road Exit			100.00	✓	SumOfLanes	2120	✓		Normal
Cx1	**1**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
D	**1**	(untitled)			300.00	✓	SumOfLanes	2159	✓		Normal
D	**2**	(untitled)			300.00	✓	SumOfLanes	2317	✓		Normal
D	**3**	(untitled)			300.00	✓	SumOfLanes	2317	✓		Normal
E	**1**	(untitled)			200.00					✓	Normal
E	**2**	(untitled)			200.00					✓	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

Lanes

Arm	Traffic Stream	Lane	Name	Description	Use RR67	Surface Condition	Site Quality Factor	Gradient (%)	Width (m)	Use Connector Turning Radius	Proportion That Turn (%)	Turning Radius (m)	Nearside Lane	Saturation Flow (PCU/hr)
A	**1**	**2**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00	✓	2128
A	**2**	**1**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
A	**3**	**3**	(untitled)		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
A	**4**	**2**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
B	**1**	**1**	Lindridge Drive Entry											
B	**2**	**2**	Lindridge Drive Entry											
C	**1**	**1**	A4097 Kingsbury Road Entry		✓	N/A	Clearly Good	0	3.50		0	10.00		2263

C	**2**	**2**	A4097 Kingsbury Road Entry		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Ac	**1**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Ac	**2**	**2**	A38 North Circulatory		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Ac	**3**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Ax	**1**	**2**	A38 North Exit		✓	N/A	N/A	0	3.50		0	10.00	✓	1965
Ax	**2**	**1**	A38 North Exit		✓	N/A	N/A	0	3.50		0	10.00		2105
Ax	**3**	**1**	A38 North Exit		✓	N/A	N/A	0	3.50		0	10.00		2105
Ax1	**1**	**1**	(untitled)											1800
Ax1	**2**	**1**	(untitled)											1800
Bc	**1**	**2**	Lindridge Drive Circulatory											1800
Bc	**2**	**1**	Lindridge Drive Circulatory											1800
Bc	**3**	**3**	Lindridge Drive Circulatory											1800
Bc	**4**	**3**	Lindridge Drive Circulatory											1800
Bc1	**1**	**2**	Lindridge Drive Circulatory											1800
Bc1	**2**	**1**	Lindridge Drive Circulatory											1800
Bc1	**3**	**3**	Lindridge Drive Circulatory											1800
Bc1	**4**	**3**	Lindridge Drive Circulatory											1800
Bx	**1**	**2**	Lindridge drive Exit											1800
Cc	**1**	**1**	A4097 Kingsbury Road Circulatory		✓	N/A	Clearly Good	0	3.00		0	10.00	✓	2059
Cc	**2**	**2**	A4097 Kingsbury Road Circulatory		✓	N/A	Clearly Good	0	3.00		0	10.00		2209
Cc	**3**	**2**	A4097 Kingsbury Road Circulatory		✓	N/A	Clearly Good	0	3.00		43	50.00		2181
Cx	**1**	**2**	A4097 Kinsbury Road Exit		✓	N/A	N/A	0	3.65		0	10.00		2120
Cx	**2**	**3**	A4097 Kinsbury Road Exit		✓	N/A	N/A	0	3.65		0	10.00		2120
Cx1	**1**	**1**	(untitled)											1800

D	**1**	**2**	A38 South Entry		✓	N/A	Clearly Good	0	4.00		10	42.00	✓	2159
D	**2**	**1**	A38 South Entry		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
D	**3**	**3**	A38 South Entry		✓	N/A	Clearly Good	0	4.00		0	10.00		2317
E	**1**	**3**	(untitled)											
E	**2**	**3**	(untitled)											
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
Ex	**2**	**2**	Wamley Ash Road Exit											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
A	**1**	[Forced to PDM]	0	40		0.00				
A	**2**	[Forced to PDM]	0	40		0.00				
A	**3**	[Forced to PDM]	0	40		0.00				
A	**4**	[Forced to PDM]	0	40		0.00				
B	**1**	[Forced to PDM]	100	100		0.00				
B	**2**	[Forced to PDM]	100	100		0.00				
C	**1**	[Forced to PDM]	0	40		0.00				
C	**2**	[Forced to PDM]	0	40		0.00				
Ac	**1**	[Forced to PDM]	100	100		7.00	✓	7	80.00	
Ac	**2**	[Forced to PDM]	100	100		7.00	✓	7	0.00	

Ac	**3**	[Forced to PDM]	100	100		7.00	✓	7	0.00	
Ax	**1**	[Forced to PDM]	100	100		0.00				
Ax	**2**	[Forced to PDM]	100	100		0.00				
Ax	**3**	[Forced to PDM]	100	100		0.00				
Ax1	**1**	[Forced to PDM]	100	100		0.00				
Ax1	**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	
Bx	**1**	[Forced to PDM]	100	100		0.00				
Cc	**1**	[Forced to PDM]	100	100		6.00	✓	6	60.00	
Cc	**2**	[Forced to PDM]	100	100		6.00	✓	6	60.00	
Cc	**3**	[Forced to PDM]	100	100		6.00	✓	6	60.00	
Cx	**1**	[Forced to PDM]	100	100		0.00				
Cx	**2**	[Forced to PDM]	100	100		0.00				
Cx1	**1**	[Forced to PDM]	100	100		0.00				
D	**1**	[Forced to PDM]	0	40		0.00				
D	**2**	[Forced to PDM]	0	40		0.00				
D	**3**	[Forced to PDM]	0	40		0.00				
E	**1**	[Forced to PDM]	100	40		0.00				
E	**2**	[Forced to PDM]	100	40		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				

Modelling - Advanced

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

D	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
D	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
D	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
E	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
E	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dc	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dc	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dc	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dx	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dx	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dx1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Dx1	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
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

Normal - Modelling

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

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)
A	1	206	206
A	2	221	221
A	3	219	219
A	4	395	395
B	1	24	24
B	2	24	24
C	1	710	710
C	2	710	710
Ac	1	515	515
Ac	2	635	635
Ac	3	444	444
Ax	1	412	412
Ax	2	813	813
Ax	3	168	168
Ax1	1	412	412
Ax1	2	982	982
Bc	1	721	721
Bc	2	856	856
Bc	3	441	441
Bc	4	617	617
Bc1	1	649	649
Bc1	2	856	856
Bc1	3	441	441
Bc1	4	617	617
Bx	1	72	72
Cc	1	446	446
Cc	2	444	444
Cc	3	638	638
Cx	1	668	668
Cx	2	415	415
Cx1	1	1083	1083
D	1	644	644
D	2	691	691
D	3	691	691
E	1	389	389
E	2	777	777
Dc	1	357	357
Dc	2	874	874
Dc	3	248	248
Dx	1	799	799
Dx	2	444	444
Dx	3	225	225
Dx1	1	799	799
Dx1	2	669	669
Ec	1	192	192
Ec	2	813	813
Ec	3	816	816
Ex	1	931	931
Ex	2	752	752

Signals

Arm	Traffic Stream	Controller Stream	Phase	Phase2 Enabled
A	**1**	1	A	
A	**2**	1	A	
A	**3**	1	A	
A	**4**	1	A	
C	**1**	3	A	
C	**2**	3	A	
Ac	**1**	1	B	
Ac	**2**	1	B	
Ac	**3**	1	B	
Ax	**1**	5	A	
Ax	**2**	5	A	
Ax	**3**	5	A	
Cc	**1**	3	B	
Cc	**2**	3	B	
Cc	**3**	3	B	
Cx	**1**	6	A	
Cx	**2**	6	A	
D	**1**	2	A	
D	**2**	2	A	
D	**3**	2	A	
Dc	**1**	2	B	
Dc	**2**	2	B	
Dc	**3**	2	B	
Dx	**1**	7	A	
Dx	**2**	7	A	
Dx	**3**	7	A	

Entry Sources

Arm	Traffic Stream	Normal Cruise Time (seconds)	Normal Cruise Speed (kph)
A	**1**	3.60	100.00
A	**2**	5.40	100.00
A	**3**	5.40	100.00
A	**4**	5.40	100.00
B	**1**	2.24	48.28
B	**2**	2.24	48.28
C	**1**	11.19	64.37
C	**2**	11.19	64.37
D	**1**	16.78	64.37
D	**2**	16.78	64.37
D	**3**	16.78	64.37
E	**1**	14.91	48.28
E	**2**	14.91	48.28

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)
Ac	**1**	**1**	TrafficStream	E/1	Ac/1	4.03	48.28	✓	Straight	Straight Movement

Ac	**2**	**1**	TrafficStream	Ec/3	Ac/2	4.03	48.28	✓	Straight	Straight Movement
Ac	**3**	**1**	TrafficStream	E/2	Ac/3	4.03	48.28	✓	Straight	Straight Movement
Ax	**1**	**1**	TrafficStream	Ec/1	Ax/1	5.59	64.37	✓	Straight	Straight Movement
Ax	**2**	**1**	TrafficStream	Ec/2	Ax/2	5.59	64.37	✓	Straight	Straight Movement
Ax	**3**	**1**	TrafficStream	Ec/3	Ax/3	5.59	64.37	✓	Straight	Straight Movement
Ax1	**1**	**1**	TrafficStream	Ax/1	Ax1/1	5.59	64.37	✓	Straight	Straight Movement
Ax1	**2**	**1**	TrafficStream	Ax/3	Ax1/2	5.59	64.37	✓	Straight	Straight Movement
Bc	**1**	**1**	TrafficStream	Ac/1	Bc/1	7.46	48.28	✓	Straight	Straight Movement
Bc	**2**	**1**	TrafficStream	A/2	Bc/2	7.46	48.28	✓	Straight	Straight Movement
Bc	**3**	**1**	TrafficStream	Ac/3	Bc/3	7.46	48.28	✓	Straight	Straight Movement
Bc	**4**	**1**	TrafficStream	Ac/3	Bc/4	7.46	48.28	✓	Straight	Straight Movement
Bc1	**1**	**1**	TrafficStream	Bc/1	Bc1/1	2.24	48.28	✓	Straight	Straight Movement
Bc1	**2**	**1**	TrafficStream	Bc/2	Bc1/2	2.24	48.28	✓	Straight	Straight Movement
Bc1	**3**	**1**	TrafficStream	Bc/3	Bc1/3	2.24	48.28	✓	Straight	Straight Movement
Bc1	**4**	**1**	TrafficStream	Bc/4	Bc1/4	2.24	48.28	✓	Straight	Straight Movement
Bx	**1**	**1**	TrafficStream	Bc/1	Bx/1	7.46	48.28	✓	Nearside	76.24
Cc	**1**	**1**	TrafficStream	B/1	Cc/1	4.85	48.28	✓	Straight	Straight Movement
Cc	**2**	**1**	TrafficStream	B/2	Cc/2	4.85	48.28	✓	Straight	Straight Movement
Cc	**3**	**1**	TrafficStream	B/2	Cc/3	4.85	48.28	✓	Straight	Straight Movement
Cx	**1**	**1**	TrafficStream	Bc1/1	Cx/1	5.59	64.37	✓	Straight	Straight Movement
Cx	**2**	**1**	TrafficStream	Bc1/2	Cx/2	5.59	64.37	✓	Straight	Straight Movement
Cx1	**1**	**1**	TrafficStream	Cx/1	Cx1/1	7.46	48.28	✓	Straight	Straight Movement
Dc	**1**	**1**	TrafficStream	C/1	Dc/1	6.71	48.28	✓	Straight	Straight Movement
Dc	**2**	**1**	TrafficStream	C/2	Dc/2	6.71	48.28	✓	Straight	Straight Movement
Dc	**3**	**1**	TrafficStream	C/2	Dc/3	6.71	48.28	✓	Straight	Straight Movement
Dx	**1**	**1**	TrafficStream	Cc/1	Dx/1	3.13	64.37	✓	Straight	Straight Movement
Dx	**2**	**1**	TrafficStream	Cc/2	Dx/2	3.13	64.37	✓	Straight	Straight Movement
Dx	**3**	**1**	TrafficStream	Cc/3	Dx/3	3.13	64.37	✓	Straight	Straight Movement
Dx1	**1**	**1**	TrafficStream	Dx/1	Dx1/1	13.98	64.37	✓	Straight	Straight Movement
Dx1	**2**	**1**	TrafficStream	Dx/2	Dx1/2	13.98	64.37	✓	Straight	Straight Movement

Ec	**1**	**1**	TrafficStream	D/1	Ec/1	3.73	48.28	✓	Straight	Straight Movement
Ec	**2**	**1**	TrafficStream	D/2	Ec/2	3.73	48.28	✓	Straight	Straight Movement
Ec	**3**	**1**	TrafficStream	D/3	Ec/3	3.73	48.28	✓	Straight	Straight Movement
Ex	**1**	**1**	TrafficStream	Dc/1	Ex/1	7.46	48.28	✓	Straight	Straight Movement
Ex	**2**	**1**	TrafficStream	Dc/2	Ex/2	7.46	48.28	✓	Straight	Straight Movement
Ac	**1**	**2**	TrafficStream	Ec/3	Ac/1	4.03	48.28	✓	Straight	Straight Movement
Ac	**2**	**2**	TrafficStream	E/2	Ac/2	4.03	48.28	✓	Straight	Straight Movement
Ax	**1**	**2**	TrafficStream	E/1	Ax/1	5.59	64.37	✓	Straight	Straight Movement
Ax1	**2**	**2**	TrafficStream	Ax/2	Ax1/2	5.59	64.37	✓	Straight	Straight Movement
Bc	**1**	**2**	TrafficStream	A/1	Bc/1	7.46	48.28	✓	Nearside	83.93
Bc	**2**	**2**	TrafficStream	Ac/2	Bc/2	12.00	30.00	✓	Straight	Straight Movement
Bc	**3**	**2**	TrafficStream	A/3	Bc/3	12.00	30.00	✓	Straight	Straight Movement
Bc	**4**	**2**	TrafficStream	A/4	Bc/4	7.46	48.28	✓	Straight	Straight Movement
Cc	**1**	**2**	TrafficStream	Bc1/2	Cc/1	4.85	48.28	✓	Straight	Straight Movement
Cc	**2**	**2**	TrafficStream	Bc1/3	Cc/2	4.85	48.28	✓	Straight	Straight Movement
Cc	**3**	**2**	TrafficStream	Bc1/4	Cc/3	4.85	48.28	✓	Straight	Straight Movement
Cx	**1**	**2**	TrafficStream	B/1	Cx/1	5.59	64.37	✓	Nearside	73.56
Cx1	**1**	**2**	TrafficStream	Cx/2	Cx1/1	7.46	48.28	✓	Straight	Straight Movement
Dc	**2**	**2**	TrafficStream	Cc/3	Dc/2	6.71	48.28	✓	Straight	Straight Movement
Dc	**3**	**2**	TrafficStream	Cc/3	Dc/3	6.71	48.28	✓	Straight	Straight Movement
Dx	**1**	**2**	TrafficStream	C/1	Dx/1	3.13	64.37	✓	Straight	Straight Movement
Dx1	**2**	**2**	TrafficStream	Dx/3	Dx1/2	13.98	64.37	✓	Straight	Straight Movement
Ec	**1**	**2**	TrafficStream	Dc/2	Ec/1	6.00	30.00	✓	Straight	Straight Movement
Ec	**2**	**2**	TrafficStream	Dc/3	Ec/2	6.00	30.00	✓	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

Give Way Data

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

Give Way Data - All Movements - Conflicts

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

Quick Flares

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

Local OD Matrix - Local Matrix: 2031 S0

Normal Input Flows (PCU/hr)

		To				
		1	2	3	4	5
From	1	0	12	196	438	395
	2	5	0	19	10	13
	3	363	3	0	353	700
	4	806	41	604	0	574
	5	220	16	264	666	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 S0	1	(untitled)	A/1,A/2,A/3,A/4	Ax1/2,Ax1/1
2031 S0	2	(untitled)	B/1,B/2	Bx/1
2031 S0	3	(untitled)	C/1,C/2	Cx1/1
2031 S0	4	(untitled)	D/1,D/2,D/3	Dx1/2,Dx1/1
2031 S0	5	(untitled)	E/1,E/2	Ex/1,Ex/2

Paths

OD Matrix	Path	Description	From Location	To Location	Path Items
2031 S0	1		4	1	D/1,Ec/1,Ax/1,Ax1/1
2031 S0	2		4	5	D/1,Ex/1
2031 S0	3		4	1	D/2,Ec/2,Ax/2,Ax1/2
2031 S0	4		4	1	D/3,Ec/3,Ax/3,Ax1/2
2031 S0	5		4	2	D/3,Ec/3,Ac/1,Bc/1,Bx/1
2031 S0	6		4	3	D/3,Ec/3,Ac/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S0	7		4	4	D/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S0	8		4	3	D/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S0	9		5	1	E/1,Ax/1,Ax1/1
2031 S0	10		5	2	E/1,Ac/1,Bc/1,Bx/1
2031 S0	11		5	3	E/1,Ac/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S0	12		5	4	E/2,Ac/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S0	13		5	3	E/2,Ac/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S0	14		5	4	E/2,Ac/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S0	15		5	5	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S0	16		5	4	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S0	17		2	4	B/1,Cc/1,Dx/1,Dx1/1
2031 S0	18		2	3	B/1,Cx/1,Cx1/1
2031 S0	19		2	4	B/2,Cc/2,Dx/2,Dx1/2
2031 S0	20		2	1	B/2,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1
2031 S0	21		2	5	B/2,Cc/3,Dc/2,Ex/2
2031 S0	22		2	1	B/2,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2
2031 S0	23		2	1	B/2,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2
2031 S0	24		2	2	B/2,Cc/3,Dc/3,Ec/3,Ac/1,Bc/1,Bx/1
2031 S0	25		2	4	B/2,Cc/3,Dx/3,Dx1/2
2031 S0	26		3	5	C/1,Dc/1,Ex/1
2031 S0	27		3	4	C/1,Dx/1,Dx1/1
2031 S0	28		3	1	C/2,Dc/2,Ec/1,Ax/1,Ax1/1
2031 S0	29		3	5	C/2,Dc/2,Ex/2
2031 S0	30		3	1	C/2,Dc/3,Ec/2,Ax/2,Ax1/2
2031 S0	31		3	1	C/2,Dc/3,Ec/3,Ax/3,Ax1/2
2031 S0	32		3	2	C/2,Dc/3,Ec/3,Ac/1,Bc/1,Bx/1
2031 S0	33		3	3	C/2,Dc/3,Ec/3,Ac/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S0	34		3	3	C/2,Dc/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S0	35		1	2	A/1,Bc/1,Bx/1
2031 S0	36		1	3	A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S0	37		1	4	A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S0	38		1	3	A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S0	39		1	4	A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S0	40		1	1	A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,Ax1/1
2031 S0	41		1	5	A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S0	42		1	1	A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,Ax1/2
2031 S0	43		1	1	A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,Ax1/2
2031 S0	44		1	4	A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2

Normal Path Flows

OD Matrix	Path	Permitted Flow Type	Allocation Type
2031 S0	1	✓	Normal
2031 S0	2	✓	Normal
2031 S0	3	✓	Normal
2031 S0	4	✓	Normal
2031 S0	5	✓	Normal
2031 S0	6	✓	Normal
2031 S0	7	✓	Normal
2031 S0	8	✓	Normal
2031 S0	9	✓	Normal
2031 S0	10	✓	Normal
2031 S0	11	✓	Normal
2031 S0	12	✓	Normal
2031 S0	13	✓	Normal
2031 S0	14	✓	Normal
2031 S0	15	✓	Normal
2031 S0	16	✓	Normal
2031 S0	17	✓	Normal
2031 S0	18	✓	Normal
2031 S0	19	✓	Normal
2031 S0	20	✓	Normal
2031 S0	21	✓	Normal
2031 S0	22	✓	Normal
2031 S0	23	✓	Normal
2031 S0	24	✓	Normal
2031 S0	25	✓	Normal
2031 S0	26	✓	Normal
2031 S0	27	✓	Normal
2031 S0	28	✓	Normal
2031 S0	29	✓	Normal
2031 S0	30	✓	Normal
2031 S0	31	✓	Normal
2031 S0	32	✓	Normal
2031 S0	33	✓	Normal
2031 S0	34	✓	Normal
2031 S0	35	✓	Normal
2031 S0	36	✓	Normal
2031 S0	37	✓	Normal
2031 S0	38	✓	Normal
2031 S0	39	✓	Normal
2031 S0	40	✓	Normal
2031 S0	41	✓	Normal
2031 S0	42	✓	Normal
2031 S0	43	✓	Normal
2031 S0	44	✓	Normal

Signal Timings

Network Default: 88s cycle time; 88 steps

Controller Stream 1

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

Controller Stream 1 - Properties

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

Controller Stream 1 - Optimisation

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

Phases

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

Library Stages

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

Losing/ Gaining delays at each Controller Stream

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
1	1	(untitled)	Single	1,2	67,36

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)
1	1	✓	1	A	50	67	17	1	7
1	2	✓	2	B,C	72	36	52	1	7

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
1	A	1	✓	50	67	17
1	B	1	✓	72	45	61
1	C	1	✓	72	36	52

Intergreen Matrix for Controller Stream 1

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

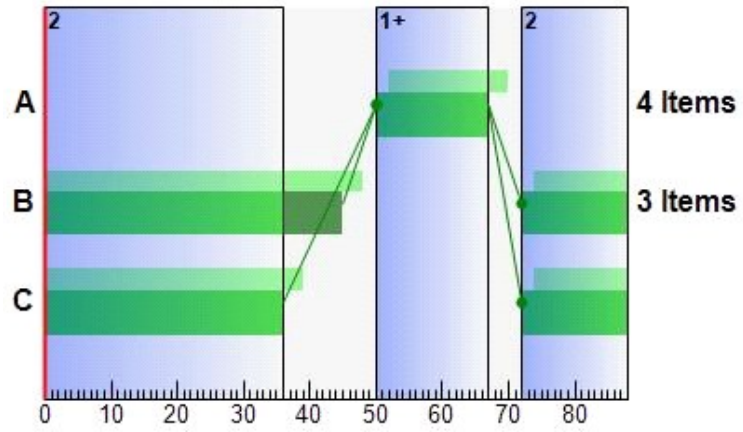
Interstage Matrix for Controller Stream 1

		To	
		1	2
From	1	0	5
	2	14	0

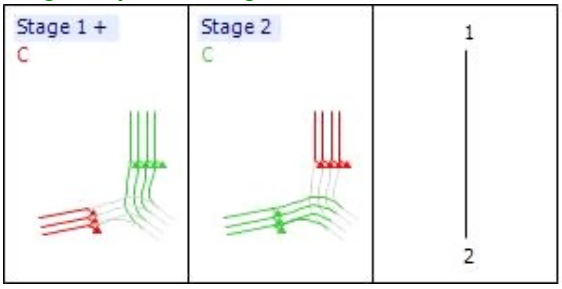
Banned Stage transitions for Controller Stream 1

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 1



Stage Sequence Diagram for Controller Stream 1



Controller Stream 2

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

Controller Stream 2 - Properties

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

Controller Stream 2 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
2	✓	✓	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	83,43

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	53	83	30	1	7
2	2	✓	2	B,C	0	43	43	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	✓	53	83	30
2	B	1	✓	0	48	48
2	C	1	✓	0	43	43

Intergreen Matrix for Controller Stream 2

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

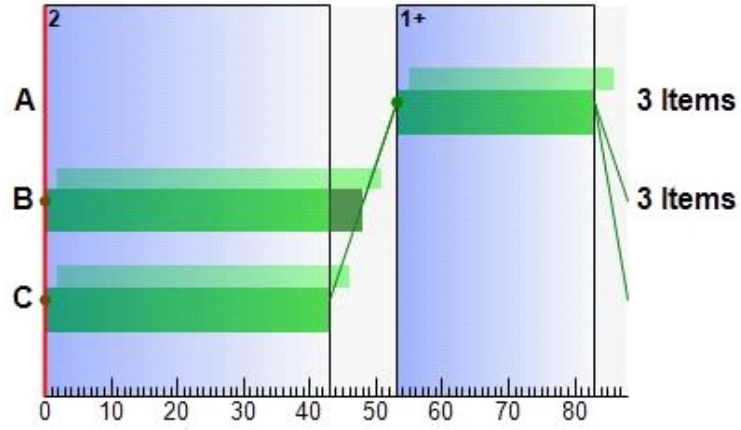
Interstage Matrix for Controller Stream 2

		To	
		1	2
From	1	0	5
	2	10	0

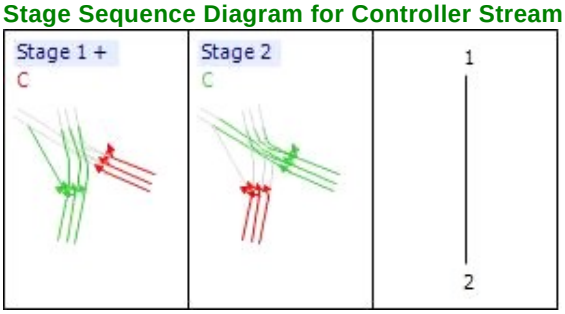
Banned Stage transitions for Controller Stream 2

		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	44,83

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)
3	1	✓	1	A	9	44	35	1	7
3	2	✓	2	B,C	49	83	34	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	✓	9	44	35
3	B	1	✓	49	4	43
3	C	1	✓	49	83	34

Intergreen Matrix for Controller Stream 3

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

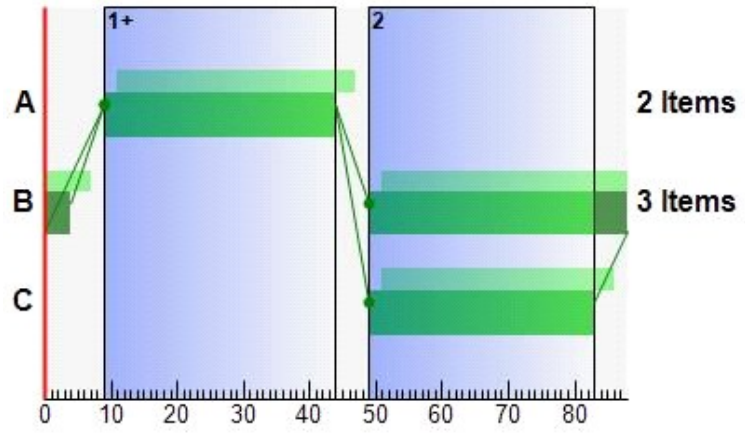
Interstage Matrix for Controller Stream 3

		To	
		1	2
From	1	0	5
	2	14	0

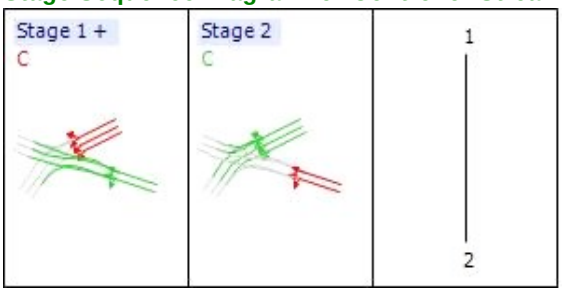
Banned Stage transitions for Controller Stream 3

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 3



Stage Sequence Diagram for Controller Stream 3



Controller Stream 5

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

Controller Stream 5 - Properties

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

Controller Stream 5 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
5	✓	✓	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	6,18

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	29	6	65	1	7
5	2	✓	2	B	11	18	7	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	✓	29	6	65
5	B	1	✓	11	18	7

Intergreen Matrix for Controller Stream 5

		To	
		A	B
From	A		5
	B	11	

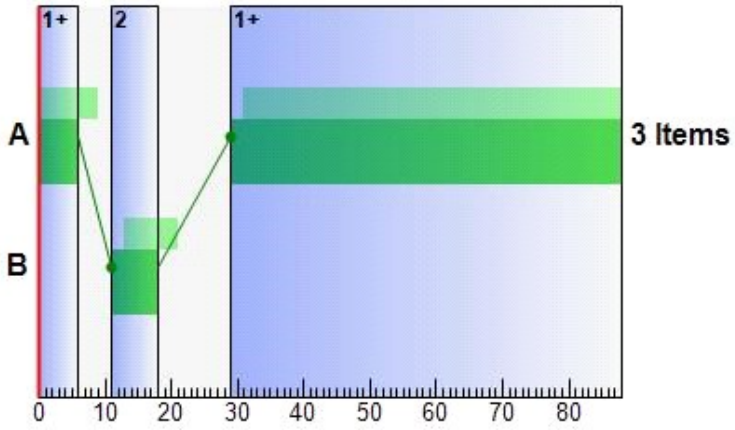
Interstage Matrix for Controller Stream 5

		To	
		1	2
From	1	0	5
	2	11	0

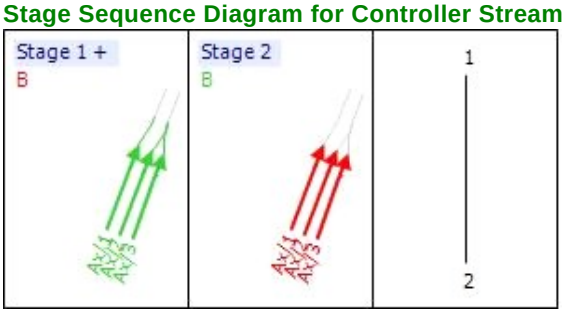
Banned Stage transitions for Controller Stream 5

		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	42,54

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	62	42	68	1	7
6	**2**	✓	2	B	47	54	7	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**	✓	62	42	68
6	**B**	**1**	✓	47	54	7

Intergreen Matrix for Controller Stream 6

		To	
		A	B
From	A		5
	B	8	

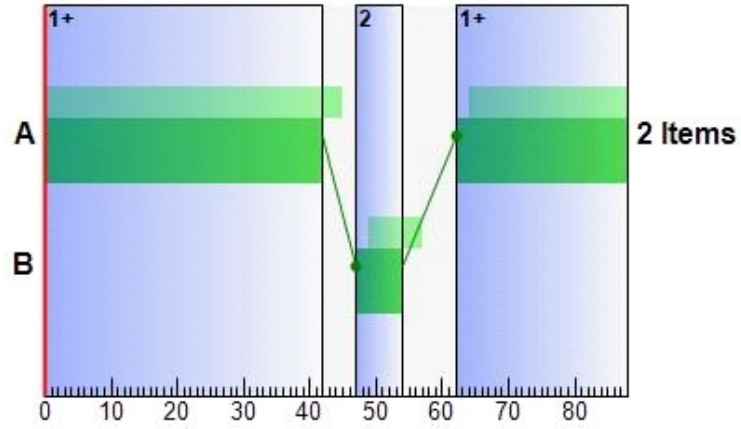
Interstage Matrix for Controller Stream 6

		To	
		1	2
From	1	0	5
	2	8	0

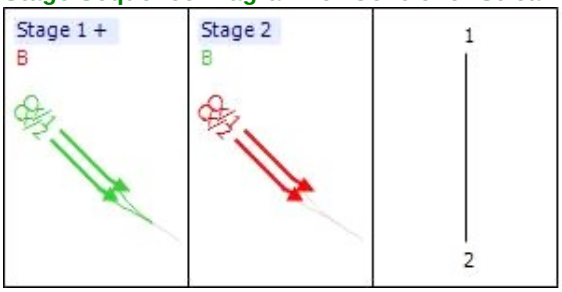
Banned Stage transitions for Controller Stream 6

		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	78,0

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	10	78	68	1	7
7	2	✓	2	B	83	0	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	✓	10	78	68
7	B	1	✓	83	0	5

Intergreen Matrix for Controller Stream 7

		To	
		A	B
From	A		5
	B	10	

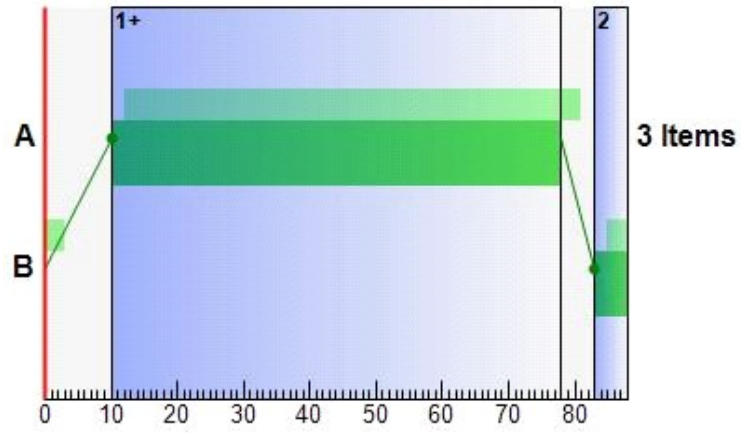
Interstage Matrix for Controller Stream 7

		To	
		1	2
From	1	0	5
	2	10	0

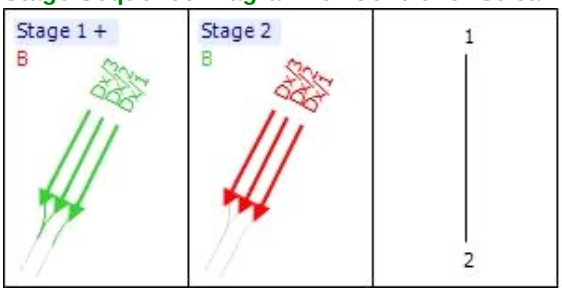
Banned Stage transitions for Controller Stream 7

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 7



Stage Sequence Diagram for Controller Stream 7



Final Prediction Table

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES	
Arm	Traffic Stream	Name	Traffic Node	Controller Stream	Phase	Calculated Flow Entering (PCU/hr)	Calculated Sat Flow (PCU/hr)	Actual Green (s (per cycle))	Wasted Time Total (s (per cycle))	Degree Of Saturation (%)	Practical Reserve Capacity (%)	Journey Time Per PCU (s)	Mean Delay Per PCU (s)	Mean Stops Per PCU (%)	Mean Max Queue (PCU)	Max End Of Red Queue (PCU)
A	1	(untitled)	1	1	A	206	2128	17	0.00	47	90	38.13	34.53	88.21	4.62	4.22
A	2	(untitled)	1	1	A	221	2279	17	0.00	47	90	39.71	34.31	87.96	4.94	4.51
A	3	A38 North Entry	1	1	A	219	2279	17	0.00	47	92	39.62	34.22	87.85	4.89	4.47
A	4	(untitled)	1	1	A	395	2279	17	0.00	85	6	58.85	53.45	112.99	11.38	9.85
B	1	(untitled)	2			24	318	88	70.00	8	1092	3.32	1.08	13.46	0.07	
B	2	(untitled)	2			25	185	88	50.00	13	568	6.81	4.57	38.09	0.14	
C	1	(untitled)	3	3	A	710	2963 f	35	0.00	59	54	31.89	20.71	69.33	12.64	10.67
C	2	(untitled)	3	3	A	710	2963 f	35	10.00	59	54	31.89	20.71	69.33	12.64	10.67
Ac	1	(untitled)	1	1	B	515	2112	61	0.00	35	160	8.83	4.80	45.11	6.72	3.83
Ac	2	(untitled)	1	1	B	635 <	2263	61	0.00	40	126	9.02	4.99	39.35	7.11 +	4.37
Ac	3	(untitled)	1	1	B	444	2263	61	0.00	28	223	8.28	4.25	22.20	2.49	2.37
Ax	1	(untitled)	8	5	A	413	1965	65	0.00	28	221	10.48	4.89	35.94	4.48	2.92
Ax	2	(untitled)	8	5	A	814	2105	65	0.00	52	75	7.58	1.99	6.73	1.64	1.35
Ax	3	(untitled)	8	5	A	169	2105	65	3.00	11	741	7.33	1.74	19.58	1.29	0.94
Ax1	1	A38 North				413	1800	88	20.00	23	292	5.91	0.31	0.98	2.05	

		Exit														
Ax1	**2**	A38 North Exit				983	1800	88	16.00	55	65	7.34	1.75	23.31	15.03	
Bc	**1**	(untitled)	6			721	1800	88	3.00	40	125	8.27	0.81	7.99	5.73	
Bc	**2**	(untitled)	6			856	1800	88	5.00	48	89	11.87	1.05	9.34	4.82	
Bc	**3**	(untitled)	6			441	1800	88	5.00	24	267	10.04	0.33	0.60	1.05	
Bc	**4**	(untitled)	6			617	1800	88	1.00	34	163	8.59	1.14	21.86	8.41	
Bc1	**1**	(untitled)	2			649	1800	88	1.00	36	150	2.80	0.56	0.00	0.10	
Bc1	**2**	(untitled)	2			856	1800	88	4.00	48	89	3.14	0.91	0.00	0.22	
Bc1	**3**	(untitled)	2			441	1800	88	4.00	24	267	2.56	0.32	0.00	0.04	
Bc1	**4**	(untitled)	2			617	1800	88	0.00	34	163	2.76	0.52	0.00	0.09	
Bx	**1**	(untitled)				72	1800	88	53.00	4	2150	7.50	0.04	0.00	0.00	
Cc	**1**	(untitled)	3	3	B	446	2059	43	2.00	43	108	14.65	9.81	40.17	4.53	4.05
Cc	**2**	(untitled)	3	3	B	444	2209	43	2.00	40	124	13.67	8.83	37.14	4.17	3.79
Cc	**3**	(untitled)	3	3	B	639	2181	43	0.00	59	54	12.88	8.04	29.30	4.75	4.27
Cx	**1**	A4097 Kinsbury Road Exit	9	6	A	668	2120	68	0.00	40	124	6.91	1.32	5.83	1.08	1.02
Cx	**2**	A4097 Kinsbury Road Exit	9	6	A	415	2120	68	22.00	25	260	6.69	1.10	6.51	0.76	0.73
Cx1	**1**	(untitled)				1083	1800	88	14.00	60	50	11.52	4.06	45.76	17.23	
D	**1**	(untitled)	4	2	A	644	2159	30	0.00	85	6	55.51	38.73	100.70	16.71	12.42
D	**2**	(untitled)	4	2	A	691	2317	30	13.00	85	6	54.69	37.91	99.82	17.77	13.17
D	**3**	(untitled)	4	2	A	691	2317	30	13.00	85	6	54.69	37.91	99.82	17.77	13.17
E	**1**	(untitled)	5			389	549	88	0.00	71	27	28.84	13.93	58.04	6.14	
E	**2**	(untitled)	5			777	1097	88	1.00	71	27	24.97	10.06	53.79	11.43	
Dc	**1**	(untitled)	4	2	B	357	2059	48	13.00	31	189	8.63	1.92	4.08	0.36	0.36
Dc	**2**	(untitled)	4	2	B	875 <	2172	48	0.00	72	24	19.71	13.00	79.58	19.91 +	9.62
Dc	**3**	(untitled)	4	2	B	249	2185	48	14.00	20	340	8.62	1.91	4.90	0.30	0.30
Dx	**1**	(untitled)	7	7	A	799	1915	68	2.00	53	69	5.59	2.45	14.40	7.80	1.78
Dx	**2**	(untitled)	7	7	A	444	2055	68	36.00	28	227	8.56	5.43	34.66	3.76	3.73
Dx	**3**	(untitled)	7	7	A	225	2055	68	51.00	14	545	4.55	1.42	15.93	1.09	1.07
Dx1	**1**	A38 South Exit				799	2155	88	6.00	37	143	14.47	0.49	0.00	0.11	
Dx1	**2**	A38 South Exit				669	2155	88	27.00	31	190	14.68	0.70	12.20	6.17	
Ec	**1**	(untitled)	5			193	1800	88	21.00	11	739	5.30	0.12	0.00	0.01	
Ec	**2**	(untitled)	5			814 <	1800	88	14.00	45	99	7.42	3.35	52.49	16.27 +	
Ec	**3**	(untitled)	5			817 <	1800	88	15.00	45	98	7.06	3.33	52.15	16.26 +	
Ex	**1**	(untitled)				931	1800	88	8.00	52	74	8.76	1.30	13.10	10.87	
Ex	**2**	(untitled)				752	1800	88	35.00	42	115	9.29	1.83	38.01	15.26	

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	3143.17	118.60	26.50	45.13	17.64	529.31	203.22	228.37	960.91
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)	3143.17	118.60	26.50	45.13	17.64	529.31	203.22	228.37	960.91

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

Traffic Stream Results

Traffic Stream Results: Vehicle Summary

Time Segment	Arm	Traffic Stream	Degree Of Saturation (%)	Practical Reserve Capacity (%)	Calculated Flow Entering (PCU/hr)	Calculated Sat Flow (PCU/hr)	Actual Green (s (per cycle))	Mean Delay Per PCU (s)	Mean Max Queue (PCU)	Utilised Storage (%)	Weighted Cost Of Delay (£ per hr)	Weighted Cost Of Stops (£ per hr)	Performance Index (£ per hr)
17:00-18:00	**A**	**1**	47	90	206	2128	17	34.53	4.62	26.55	11.22	0.00	11.22
17:00-18:00	**A**	**2**	47	90	221	2279	17	34.31	4.94	18.93	11.96	0.00	11.96
17:00-18:00	**A**	**3**	47	92	219	2279	17	34.22	4.89	18.75	11.82	0.00	11.82
17:00-18:00	**A**	**4**	85	6	395	2279	17	53.45	11.38	43.64	33.31	0.00	33.31
17:00-18:00	**B**	**1**	8	1092	24	318	88	1.08	0.07	1.34	0.10	0.10	0.21
17:00-18:00	**B**	**2**	13	568	25	185	88	4.57	0.14	2.60	0.45	0.31	0.76
17:00-18:00	**C**	**1**	59	54	710	2963	35	20.71	12.64	36.34	23.20	0.00	23.20
17:00-18:00	**C**	**2**	59	54	710	2963	35	20.71	12.64	36.34	23.20	0.00	23.20
17:00-18:00	**Ac**	**1**	35	160	515	2112	61	4.80	6.72	96.05	9.76	7.55	17.31
17:00-18:00	**Ac**	**2**	40	126	635	2263	61	4.99	7.11	101.52	12.51	8.11	20.62
17:00-18:00	**Ac**	**3**	28	223	444	2263	61	4.25	2.49	35.58	7.44	3.20	10.64
17:00-18:00	**Ax**	**1**	28	221	413	1965	65	4.89	4.48	25.74	7.96	8.57	16.53
17:00-18:00	**Ax**	**2**	52	75	814	2105	65	1.99	1.64	9.41	6.37	3.16	9.54

17:00-18:00	**Ax**	**3**	11	741	169	2105	65	1.74	1.29	7.39	1.16	1.91	3.07
17:00-18:00	**Ax1**	**1**	23	292	413	1800	88	0.31	2.05	11.78	0.51	0.23	0.74
17:00-18:00	**Ax1**	**2**	55	65	983	1800	88	1.75	15.03	86.40	6.78	13.23	20.00
17:00-18:00	**Bc**	**1**	40	125	721	1800	88	0.81	5.73	32.93	2.30	1.87	4.17
17:00-18:00	**Bc**	**2**	48	89	856	1800	88	1.05	4.82	27.74	3.54	1.52	5.05
17:00-18:00	**Bc**	**3**	24	267	441	1800	88	0.33	1.05	6.05	0.57	0.05	0.62
17:00-18:00	**Bc**	**4**	34	163	617	1800	88	1.14	8.41	48.35	2.77	4.38	7.15
17:00-18:00	**Bc1**	**1**	36	150	649	1800	88	0.56	0.10	1.95	1.44	0.00	1.44
17:00-18:00	**Bc1**	**2**	48	89	856	1800	88	0.91	0.22	4.13	3.06	0.00	3.06
17:00-18:00	**Bc1**	**3**	24	267	441	1800	88	0.32	0.04	0.76	0.56	0.00	0.56
17:00-18:00	**Bc1**	**4**	34	163	617	1800	88	0.52	0.09	1.71	1.27	0.00	1.27
17:00-18:00	**Bx**	**1**	4	2150	72	1800	88	0.04	0.00	0.00	0.01	0.00	0.01
17:00-18:00	**Cc**	**1**	43	108	446	2059	43	9.81	4.53	75.47	17.25	5.82	23.07
17:00-18:00	**Cc**	**2**	40	124	444	2209	43	8.83	4.17	69.46	15.46	5.35	20.81
17:00-18:00	**Cc**	**3**	59	54	639	2181	43	8.04	4.75	79.19	20.26	6.08	26.34
17:00-18:00	**Cx**	**1**	40	124	668	2120	68	1.32	1.08	6.21	3.48	2.25	5.72
17:00-18:00	**Cx**	**2**	25	260	415	2120	68	1.10	0.76	4.34	1.80	1.56	3.36
17:00-18:00	**Cx1**	**1**	60	50	1083	1800	88	4.06	17.23	99.05	17.34	16.09	33.43
17:00-18:00	**D**	**1**	85	6	644	2159	30	38.73	16.71	32.03	39.36	0.00	39.36
17:00-18:00	**D**	**2**	85	6	691	2317	30	37.91	17.77	34.07	41.33	0.00	41.33
17:00-18:00	**D**	**3**	85	6	691	2317	30	37.91	17.77	34.07	41.33	0.00	41.33
17:00-18:00	**E**	**1**	71	27	389	549	88	13.93	6.14	17.65	8.55	7.33	15.88
17:00-18:00	**E**	**2**	71	27	777	1097	88	10.06	11.43	32.85	12.33	13.57	25.91
17:00-18:00	**Dc**	**1**	31	189	357	2059	48	1.92	0.36	2.27	27.09	4.73	31.82
17:00-18:00	**Dc**	**2**	72	24	875	2172	48	13.00	19.91	127.22	44.88	22.61	87.50
17:00-18:00	**Dc**	**3**	20	340	249	2185	48	1.91	0.30	1.93	1.87	0.40	2.27
17:00-18:00	**Dx**	**1**	53	69	799	1915	68	2.45	7.80	80.04	7.73	6.64	14.37
17:00-18:00	**Dx**	**2**	28	227	444	2055	68	5.43	3.76	38.58	9.51	8.88	18.40
17:00-18:00	**Dx**	**3**	14	545	225	2055	68	1.42	1.09	11.14	1.26	2.07	3.33
17:00-18:00	**Dx1**	**1**	37	143	799	2155	88	0.49	0.11	0.25	1.55	0.00	1.55

17:00-18:00	Dx1	2	31	190	669	2155	88	0.70	6.17	14.19	1.85	4.71	6.56
17:00-18:00	Ec	1	11	739	193	1800	88	0.12	0.01	0.07	0.09	0.00	0.09
17:00-18:00	Ec	2	45	99	814	1800	88	3.35	16.27	187.09	10.75	13.85	128.83
17:00-18:00	Ec	3	45	98	817	1800	88	3.33	16.26	187.01	10.74	13.84	128.71
17:00-18:00	Ex	1	52	74	931	1800	88	1.30	10.87	62.53	4.79	3.96	8.75
17:00-18:00	Ex	2	42	115	752	1800	88	1.83	15.26	87.74	5.43	9.28	14.71

Traffic Stream Results: Flows And Signals

Time Segment	Arm	Traffic Stream	Calculated Flow Entering (PCU/hr)	Calculated Flow Out (PCU/hr)	Flow Discrepancy (PCU/hr)	Adjusted Flow Warning	Calculated Sat Flow (PCU/hr)	Calculated Capacity (PCU/hr)	Degree Of Saturation (%)	DOS Threshold Exceeded	Practical Reserve Capacity (%)	Mean Modulus Of Error	Actual Green (s (per cycle))	Effective Green (s (per cycle))
17:00-18:00	A	1	206	206	0		2128	435	47		90	0.00	17	18
17:00-18:00	A	2	221	221	0		2279	466	47		90	0.00	17	18
17:00-18:00	A	3	219	219	0		2279	466	47		92	0.00	17	18
17:00-18:00	A	4	395	395	0		2279	466	85		6	0.00	17	18
17:00-18:00	B	1	24	24	-1	✓	318	318	8		1092	0.00	88	88
17:00-18:00	B	2	25	25	-2		185	185	13		568	0.00	88	88
17:00-18:00	C	1	710	710	-1	✓	2963	1212	59		54	0.00	35	36
17:00-18:00	C	2	710	710	-1		2963	1212	59		54	0.00	35	36
17:00-18:00	Ac	1	515	515	0		2112	1488	35		160	0.62	61	62
17:00-18:00	Ac	2	635	635	0		2263	1594	40		126	0.39	61	62
17:00-18:00	Ac	3	444	444	0		2263	1594	28		223	0.47	61	62
17:00-18:00	Ax	1	413	413	-1		1965	1474	28		221	0.34	65	66
17:00-18:00	Ax	2	814	814	-1		2105	1579	52		75	0.86	65	66
17:00-18:00	Ax	3	169	169	-1		2105	1579	11		741	0.65	65	66
17:00-18:00	Ax1	1	413	413	-1		1800	1800	23		292	0.78	88	88
17:00-18:00	Ax1	2	983	983	-1		1800	1800	55		65	0.78	88	88
17:00-18:00	Bc	1	721	721	0		1800	1800	40		125	0.76	88	88
17:00-18:00	Bc	2	856	856	0		1800	1800	48		89	0.58	88	88
17:00-18:00	Bc	3	441	441	0		1800	1800	24		267	0.67	88	88
17:00-18:00	Bc	4	617	617	0		1800	1800	34		163	0.83	88	88
17:00-18:00	Bc1	1	649	649	0		1800	1800	36		150	0.75	88	88

17:00-18:00	Bc1	2	856	856	0		1800	1800	48		89	0.56	88	88
17:00-18:00	Bc1	3	441	441	0		1800	1800	24		267	0.65	88	88
17:00-18:00	Bc1	4	617	617	0		1800	1800	34		163	0.79	88	88
17:00-18:00	Bx	1	72	72	0		1800	1800	4		2150	0.70	88	88
17:00-18:00	Cc	1	446	446	-1	✓	2059	1030	43		108	0.61	43	44
17:00-18:00	Cc	2	444	444	0		2209	1105	40		124	0.61	43	44
17:00-18:00	Cc	3	639	639	-1		2181	1091	59		54	0.73	43	44
17:00-18:00	Cx	1	668	668	0		2120	1662	40		124	0.67	68	69
17:00-18:00	Cx	2	415	415	0		2120	1662	25		260	0.97	68	69
17:00-18:00	Cx1	1	1083	1083	0		1800	1800	60		50	0.68	88	88
17:00-18:00	D	1	644	644	0		2159	761	85		6	0.00	30	31
17:00-18:00	D	2	691	691	0		2317	816	85		6	0.00	30	31
17:00-18:00	D	3	691	691	0		2317	816	85		6	0.00	30	31
17:00-18:00	E	1	389	389	0		549	549	71		27	0.00	88	88
17:00-18:00	E	2	777	777	0		1097	1097	71		27	0.00	88	88
17:00-18:00	Dc	1	357	357	-1	✓	2059	1146	31		189	1.14	48	49
17:00-18:00	Dc	2	875	875	-1		2172	1209	72		24	0.78	48	49
17:00-18:00	Dc	3	249	249	-1		2185	1217	20		340	1.11	48	49
17:00-18:00	Dx	1	799	799	-1	✓	1915	1502	53		69	0.76	68	69
17:00-18:00	Dx	2	444	444	0		2055	1611	28		227	1.12	68	69
17:00-18:00	Dx	3	225	225	0		2055	1611	14		545	1.45	68	69
17:00-18:00	Dx1	1	799	799	0	✓	2155	2155	37		143	0.58	88	88
17:00-18:00	Dx1	2	669	669	-1		2155	2155	31		190	0.94	88	88
17:00-18:00	Ec	1	193	193	-1		1800	1800	11		739	0.67	88	88
17:00-18:00	Ec	2	814	814	-1		1800	1800	45		99	0.98	88	88
17:00-18:00	Ec	3	817	817	-1		1800	1800	45		98	0.97	88	88
17:00-18:00	Ex	1	931	931	-1	✓	1800	1800	52		74	0.71	88	88
18:00	Ex	2	752	752	-1		1800	1800	42		113	1.02	88	88

Traffic Stream Results: Stops And Delays

Time Segment	Arm	Traffic Stream	Mean Cruise Time Per PCU (s)	Mean Delay Per PCU (s)	Uniform Delay (PCU-hr/hr)	Random Plus Oversat Delay (PCU-hr/hr)	Unweighted Cost Of Delay (£ per hr)	Weighted Cost Of Delay (£ per hr)	Mean Stops Per PCU (%)	Uniform Stops (Stops per hr)	Random Stops (Stops per hr)	Unweighted Cost Of Stops (£ per hr)	Weighted Cost Of Stops (£ per hr)
17:00-18:00	A	1	3.60	34.53	1.76	0.21	28.06	11.22	88.21	173.15	8.56	25.32	0.00
17:00-18:00	A	2	5.40	34.31	1.89	0.21	29.90	11.96	87.96	185.78	8.61	27.08	0.00
17:00-18:00	A	3	5.40	34.22	1.87	0.21	29.56	11.82	87.85	183.99	8.39	26.80	0.00
17:00-18:00	A	4	5.40	53.45	3.70	2.17	83.27	33.31	112.99	362.40	83.90	62.18	0.00
17:00-18:00	B	1	2.24	1.08	0.00	0.00	0.10	0.10	13.46	2.98	0.25	0.10	0.10
17:00-18:00	B	2	2.24	4.57	0.02	0.01	0.45	0.45	38.09	8.67	0.85	0.31	0.31
17:00-18:00	C	1	11.19	20.71	3.67	0.41	58.00	23.20	69.33	475.48	16.77	28.42	0.00
17:00-18:00	C	2	11.19	20.71	3.67	0.41	58.00	23.20	69.33	475.48	16.77	28.42	0.00
17:00-18:00	Ac	1	4.03	4.80	0.60	0.09	9.76	9.76	45.11	228.60	3.74	7.55	7.55
17:00-18:00	Ac	2	4.03	4.99	0.75	0.13	12.51	12.51	39.35	244.49	5.37	8.11	8.11
17:00-18:00	Ac	3	4.03	4.25	0.47	0.05	7.44	7.44	22.20	96.38	2.19	3.20	3.20
17:00-18:00	Ax	1	5.59	4.89	0.51	0.05	7.96	7.96	35.94	146.22	2.23	8.57	8.57
17:00-18:00	Ax	2	5.59	1.99	0.18	0.27	6.37	6.37	6.73	43.65	11.16	3.16	3.16
17:00-18:00	Ax	3	5.59	1.74	0.08	0.01	1.16	1.16	19.58	32.83	0.26	1.91	1.91
17:00-18:00	Ax1	1	5.59	0.31	0.00	0.03	0.51	0.51	0.98	2.66	1.40	0.23	0.23
17:00-18:00	Ax1	2	5.59	1.75	0.15	0.33	6.78	6.78	23.31	202.48	26.64	13.23	13.23
17:00-18:00	Bc	1	7.46	0.81	0.03	0.13	2.30	2.30	7.99	46.69	10.90	1.87	1.87
17:00-18:00	Bc	2	10.83	1.05	0.03	0.22	3.54	3.54	9.34	62.39	17.52	1.52	1.52
17:00-18:00	Bc	3	9.71	0.33	0.00	0.04	0.57	0.57	0.60	1.02	1.62	0.05	0.05
17:00-18:00	Bc	4	7.46	1.14	0.11	0.09	2.77	2.77	21.86	131.25	3.65	4.38	4.38
17:00-18:00	Bc1	1	2.24	0.56	0.00	0.10	1.44	1.44	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Bc1	2	2.24	0.91	0.00	0.22	3.06	3.06	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Bc1	3	2.24	0.32	0.00	0.04	0.56	0.56	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Bc1	4	2.24	0.52	0.00	0.09	1.27	1.27	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Bx	1	7.46	0.04	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Cc	1	4.85	9.81	1.05	0.17	17.25	17.25	40.17	172.43	6.73	5.82	5.82
17:00-18:00	Cc	2	4.85	8.83	0.95	0.13	15.46	15.46	37.14	159.39	5.50	5.35	5.35
17:00-18:00	Cc	3	4.85	8.04	1.01	0.41	20.26	20.26	29.30	170.44	16.78	6.08	6.08

17:00-18:00	Cx	1	5.59	1.32	0.11	0.13	3.48	3.48	5.83	33.41	5.51	2.25	2.25
17:00-18:00	Cx	2	5.59	1.10	0.09	0.04	1.80	1.80	6.51	25.31	1.70	1.56	1.56
17:00-18:00	Cx1	1	7.46	4.06	0.77	0.45	17.34	17.34	45.76	477.15	18.46	16.09	16.09
17:00-18:00	D	1	16.78	38.73	4.71	2.22	98.39	39.36	100.70	560.73	87.78	37.44	0.00
17:00-18:00	D	2	16.78	37.91	5.05	2.23	103.32	41.33	99.82	601.59	88.16	39.82	0.00
17:00-18:00	D	3	16.78	37.91	5.05	2.23	103.32	41.33	99.82	601.59	88.16	39.82	0.00
17:00-18:00	E	1	14.91	13.93	0.66	0.85	21.37	8.55	58.04	191.97	33.82	7.33	7.33
17:00-18:00	E	2	14.91	10.06	1.32	0.85	30.83	12.33	53.79	383.51	34.46	13.57	13.57
17:00-18:00	Dc	1	6.71	1.92	0.12	0.07	2.71	27.09	4.08	11.68	2.87	0.47	4.73
17:00-18:00	Dc	2	6.71	13.00	2.22	0.94	44.88	44.88	79.58	658.40	37.92	22.61	22.61
17:00-18:00	Dc	3	6.71	1.91	0.11	0.03	1.87	1.87	4.90	11.13	1.08	0.40	0.40
17:00-18:00	Dx	1	3.13	2.45	0.24	0.30	7.73	7.73	14.40	90.55	24.51	6.64	6.64
17:00-18:00	Dx	2	3.13	5.43	0.62	0.05	9.51	9.51	34.66	149.62	4.27	8.88	8.88
17:00-18:00	Dx	3	3.13	1.42	0.08	0.01	1.26	1.26	15.93	35.38	0.46	2.07	2.07
17:00-18:00	Dx1	1	13.98	0.49	0.00	0.11	1.55	1.55	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Dx1	2	13.98	0.70	0.06	0.07	1.85	1.85	12.20	78.77	2.85	4.71	4.71
17:00-18:00	Ec	1	5.18	0.12	0.00	0.01	0.09	0.09	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Ec	2	4.07	3.35	0.57	0.19	10.75	10.75	52.49	419.64	7.61	13.85	13.85
17:00-18:00	Ec	3	3.73	3.33	0.57	0.19	10.74	10.74	52.15	418.38	7.69	13.84	13.84
17:00-18:00	Ex	1	7.46	1.30	0.06	0.28	4.79	4.79	13.10	99.46	22.49	3.96	3.96
17:00-18:00	Ex	2	7.46	1.83	0.23	0.15	5.43	5.43	38.01	279.76	6.11	9.28	9.28

Traffic Stream Results: Queues And Blocking

Time Segment	Arm	Traffic Stream	Initial Queue (PCU)	Mean Max Queue (PCU)	Max Queue Storage (PCU)	Utilised Storage (%)	Average Link Excess Queue (PCU)	Average Limit Excess Queue (PCU)	Excess Queue Penalty (£ per hr)	Max End Of Green Queue (PCU)	Max End Of Red Queue (PCU)	Wasted Time Starvation (s (per cycle))	Wasted Time Blocking Back (s (per cycle))	Wasted Time Total (s (per cycle))	Estimated Blocking
17:00-18:00	A	1	0.00	4.62	17.39	26.55	0.00	0.00	0.00	0.21	4.22	0.00	0.00	0.00	
17:00-18:00	A	2	0.00	4.94	26.09	18.93	0.00	0.00	0.00	0.21	4.51	0.00	0.00	0.00	
17:00-18:00	A	3	0.00	4.89	26.09	18.75	0.00	0.00	0.00	0.21	4.47	0.00	0.00	0.00	
17:00-18:00	A	4	0.00	11.38	26.09	43.64	0.00	0.00	0.00	2.17	9.85	0.00	0.00	0.00	
17:00-18:00	B	1	0.00	0.07	5.22	1.34	0.00	0.00	0.00			70.00	0.00	70.00	

17:00-18:00	**B**	**2**	0.00	0.14	5.22	2.60	0.00	0.00	0.00			50.00	0.00	50.00	
17:00-18:00	**C**	**1**	0.00	12.64	34.78	36.34	0.00	0.00	0.00	0.41	10.67	0.00	0.00	0.00	
17:00-18:00	**C**	**2**	0.00	12.64	34.78	36.34	0.00	0.00	0.00	0.41	10.67	0.00	10.00	10.00	
17:00-18:00	**Ac**	**1**	0.00	6.72	7.00	96.05	0.00	0.00	0.00	0.09	3.83	0.00	0.00	0.00	
17:00-18:00	**Ac**	**2**	0.00	7.11	7.00	101.52	0.00	0.00	0.00	0.13	4.37	0.00	0.00	0.00	
17:00-18:00	**Ac**	**3**	0.00	2.49	7.00	35.58	0.00	0.00	0.00	0.05	2.37	0.00	0.00	0.00	
17:00-18:00	**Ax**	**1**	0.00	4.48	17.39	25.74	0.00	0.00	0.00	0.05	2.92	0.00	0.00	0.00	
17:00-18:00	**Ax**	**2**	0.00	1.64	17.39	9.41	0.00	0.00	0.00	0.27	1.35	0.00	0.00	0.00	
17:00-18:00	**Ax**	**3**	0.00	1.29	17.39	7.39	0.00	0.00	0.00	0.01	0.94	3.00	0.00	3.00	
17:00-18:00	**Ax1**	**1**	0.00	2.05	17.39	11.78	0.00	0.00	0.00			20.00	0.00	20.00	
17:00-18:00	**Ax1**	**2**	0.00	15.03	17.39	86.40	0.00	0.00	0.00			16.00	0.00	16.00	
17:00-18:00	**Bc**	**1**	0.00	5.73	17.39	32.93	0.00	0.00	0.00			3.00	0.00	3.00	
17:00-18:00	**Bc**	**2**	0.00	4.82	17.39	27.74	0.00	0.00	0.00			5.00	0.00	5.00	
17:00-18:00	**Bc**	**3**	0.00	1.05	17.39	6.05	0.00	0.00	0.00			5.00	0.00	5.00	
17:00-18:00	**Bc**	**4**	0.00	8.41	17.39	48.35	0.00	0.00	0.00			1.00	0.00	1.00	
17:00-18:00	**Bc1**	**1**	0.00	0.10	5.22	1.95	0.00	0.00	0.00			1.00	0.00	1.00	
17:00-18:00	**Bc1**	**2**	0.00	0.22	5.22	4.13	0.00	0.00	0.00			4.00	0.00	4.00	
17:00-18:00	**Bc1**	**3**	0.00	0.04	5.22	0.76	0.00	0.00	0.00			4.00	0.00	4.00	
17:00-18:00	**Bc1**	**4**	0.00	0.09	5.22	1.71	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	**Bx**	**1**	0.00	0.00	17.39	0.00	0.00	0.00	0.00			53.00	0.00	53.00	
17:00-18:00	**Cc**	**1**	0.00	4.53	6.00	75.47	0.00	0.00	0.00	0.17	4.05	2.00	0.00	2.00	
17:00-18:00	**Cc**	**2**	0.00	4.17	6.00	69.46	0.00	0.00	0.00	0.13	3.79	2.00	0.00	2.00	
17:00-18:00	**Cc**	**3**	0.00	4.75	6.00	79.19	0.00	0.00	0.00	0.41	4.27	0.00	0.00	0.00	
17:00-18:00	**Cx**	**1**	0.00	1.08	17.39	6.21	0.00	0.00	0.00	0.13	1.02	0.00	0.00	0.00	
17:00-18:00	**Cx**	**2**	0.00	0.76	17.39	4.34	0.00	0.00	0.00	0.04	0.73	22.00	0.00	22.00	
17:00-18:00	**Cx1**	**1**	0.00	17.23	17.39	99.05	0.00	0.00	0.00			14.00	0.00	14.00	
17:00-18:00	**D**	**1**	0.00	16.71	52.17	32.03	0.00	0.00	0.00	2.22	12.42	0.00	0.00	0.00	
17:00-18:00	**D**	**2**	0.00	17.77	52.17	34.07	0.00	0.00	0.00	2.23	13.17	0.00	13.00	13.00	
17:00-18:00	**D**	**3**	0.00	17.77	52.17	34.07	0.00	0.00	0.00	2.23	13.17	0.00	13.00	13.00	
17:00-18:00	**E**	**1**	0.00	6.14	34.78	17.65	0.00	0.00	0.00			0.00	0.00	0.00	

17:00-18:00	E	2	0.00	11.43	34.78	32.85	0.00	0.00	0.00			0.00	1.00	1.00	
17:00-18:00	Dc	1	0.00	0.36	15.65	2.27	0.00	0.00	0.00	0.07	0.36	13.00	0.00	13.00	
17:00-18:00	Dc	2	0.00	19.91	15.65	127.22	0.31	0.67	20.00	0.94	9.62	0.00	0.00	0.00	
17:00-18:00	Dc	3	0.00	0.30	15.65	1.93	0.00	0.00	0.00	0.03	0.30	13.00	1.00	14.00	
17:00-18:00	Dx	1	0.00	7.80	9.74	80.04	0.00	0.00	0.00	0.30	1.78	2.00	0.00	2.00	
17:00-18:00	Dx	2	0.00	3.76	9.74	38.58	0.00	0.00	0.00	0.05	3.73	36.00	0.00	36.00	
17:00-18:00	Dx	3	0.00	1.09	9.74	11.14	0.00	0.00	0.00	0.01	1.07	51.00	0.00	51.00	
17:00-18:00	Dx1	1	0.00	0.11	43.48	0.25	0.00	0.00	0.00			6.00	0.00	6.00	
17:00-18:00	Dx1	2	0.00	6.17	43.48	14.19	0.00	0.00	0.00			27.00	0.00	27.00	
17:00-18:00	Ec	1	0.00	0.01	8.70	0.07	0.00	0.00	0.00			21.00	0.00	21.00	
17:00-18:00	Ec	2	0.00	16.27	8.70	187.09	1.09	1.74	104.23			14.00	0.00	14.00	
17:00-18:00	Ec	3	0.00	16.26	8.70	187.01	1.09	1.74	104.14			14.00	1.00	15.00	
17:00-18:00	Ex	1	0.00	10.87	17.39	62.53	0.00	0.00	0.00			8.00	0.00	8.00	
17:00-18:00	Ex	2	0.00	15.26	17.39	87.74	0.00	0.00	0.00			35.00	0.00	35.00	

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	59	12.64	1212	54
17:00-18:00	C	2	✓	Quick Flare	59	12.64	1212	54

Traffic Stream Results: Advanced

Time Segment	Arm	Traffic Stream	Degree Of Saturation Penalty (£ per hr)	Phase Min Max Penalty (£ per hr)	Intergreen Broken Penalty (£ per hr)	Stage Constraint Broken Penalty (£ per hr)	Ped Gap Accepting Penalty (£ per hr)	Warmed Up	Warmed Up Error	Mean Max Queue EoTS (PCU)	Max End Of Green Queue Eo TS (PCU)	Max End Of Red Queue Eo TS (PCU)	Cost Of Penalties (£ per hr)	Unweighted Performance Index (£ per hr)	Perform Index (£ hr)
17:00-18:00	A	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.62	0.21	4.22	0.00	53.37	11.2
17:00-18:00	A	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.94	0.21	4.51	0.00	56.99	11.9
17:00-18:00	A	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.89	0.21	4.47	0.00	56.36	11.8
17:00-18:00	A	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	11.47	2.25	9.93	0.00	145.45	33.3
17:00-18:00	B	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.07			0.00	0.21	0.2
17:00-18:00	B	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.14			0.00	0.76	0.7
17:00-18:00	C	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	12.64	0.41	10.67	0.00	86.41	23.2
17:00-18:00	C	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	12.64	0.41	10.67	0.00	86.41	23.2

17:00-18:00	Ac	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.72	0.09	3.83	0.00	17.31	17.3
17:00-18:00	Ac	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.11	0.13	4.37	0.00	20.62	20.6
17:00-18:00	Ac	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.49	0.05	2.37	0.00	10.64	10.6
17:00-18:00	Ax	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.48	0.05	2.92	0.00	16.53	16.5
17:00-18:00	Ax	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.64	0.27	1.35	0.00	9.54	9.5
17:00-18:00	Ax	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.29	0.01	0.94	0.00	3.07	3.0
17:00-18:00	Ax1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.05			0.00	0.74	0.7
17:00-18:00	Ax1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	15.03			0.00	20.00	20.0
17:00-18:00	Bc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.73			0.00	4.17	4.1
17:00-18:00	Bc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.82			0.00	5.05	5.0
17:00-18:00	Bc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.05			0.00	0.62	0.6
17:00-18:00	Bc	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	8.41			0.00	7.15	7.1
17:00-18:00	Bc1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.10			0.00	1.44	1.4
17:00-18:00	Bc1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.22			0.00	3.06	3.0
17:00-18:00	Bc1	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.04			0.00	0.56	0.5
17:00-18:00	Bc1	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.09			0.00	1.27	1.2
17:00-18:00	Bx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.00			0.00	0.01	0.0
17:00-18:00	Cc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.53	0.17	4.05	0.00	23.07	23.0
17:00-18:00	Cc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.17	0.14	3.79	0.00	20.81	20.8
17:00-18:00	Cc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.75	0.41	4.28	0.00	26.34	26.3
17:00-18:00	Cx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.08	0.13	1.02	0.00	5.72	5.7
17:00-18:00	Cx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.76	0.04	0.73	0.00	3.36	3.3
17:00-18:00	Cx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	17.23			0.00	33.43	33.4
17:00-18:00	D	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	16.77	2.28	12.47	0.00	135.83	39.3
17:00-18:00	D	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	17.83	2.28	13.22	0.00	143.14	41.3
17:00-18:00	D	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	17.83	2.28	13.22	0.00	143.14	41.3
17:00-18:00	E	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.15			0.00	28.70	15.8
17:00-18:00	E	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	11.43			0.00	44.41	25.9
17:00-18:00	Dc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.36	0.07	0.36	0.00	3.18	31.8
17:00-18:00	Dc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	19.92	0.94	9.62	20.00	67.49	87.5

17:00-18:00	Dc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.30	0.03	0.30	0.00	2.27	2.2
17:00-18:00	Dx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.80	0.30	1.78	0.00	14.37	14.3
17:00-18:00	Dx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.76	0.05	3.73	0.00	18.40	18.4
17:00-18:00	Dx	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.09	0.01	1.07	0.00	3.33	3.3
17:00-18:00	Dx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.11			0.00	1.55	1.5
17:00-18:00	Dx1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.17			0.00	6.56	6.5
17:00-18:00	Ec	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.01			0.00	0.09	0.0
17:00-18:00	Ec	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	16.27			104.23	24.60	128.
17:00-18:00	Ec	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	16.26			104.14	24.58	128.
17:00-18:00	Ex	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.87			0.00	8.75	8.7
17:00-18:00	Ex	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	15.26			0.00	14.71	14.7

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 0	25/06/2014 16:53:35	25/06/2014 16:53:39	17:00	88	62.77	84.74	A/4	0	0	A/4	E/1	A/4	

Network Results: Vehicle Summary

Time Segment	Degree Of Saturation (%)	Practical Reserve Capacity (%)	Calculated Flow Entering (PCU/hr)	Actual Green (s (per cycle))	Mean Delay Per PCU (s)	Weighted Cost Of Delay (£ per hr)	Weighted Cost Of Stops (£ per hr)	Performance Index (£ per hr)
17:00-18:00	85	6	26977	3243	8.38	529.31	203.22	960.91

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	0	0	0	0.00	0.00	0.00

Network Results: Flows And Signals

Time Segment	Calculated Flow Entering (PCU/hr)	Calculated Flow Out (PCU/hr)	Flow Discrepancy (PCU/hr)	Adjusted Flow Warning	Degree Of Saturation (%)	DOS Threshold Exceeded	Practical Reserve Capacity (%)	Actual Green (s (per cycle))	Effective Green (s (per cycle))
17:00-18:00	26977	26977	-17	✓	85		6	3243	3269

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	7.45	8.38	45.13	17.64	891.35	529.31	35.11	8736.86	735.71	514.25	203.22

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	911.70	228.37	515.00	39.00	554.00

Network Results: Journey Times

Time Segment	Distance Travelled (PCU-km/hr)	Time Spent (PCU-hr/hr)	Mean Journey Speed (kph)
17:00-18:00	3143.17	118.60	26.50

Appendix C – Access Option 1 - Scenario 1 TRANSYT results

A38/A4097 Minworth Roundabout - Peddimore Lane Junction

Project Name: Peddimore Access Modelling
Project Number: 60316941
Subject: Scenario 1 - TRANSYT flows Inputs
Date: Feb-14

Methodology:

To derive Scenario 1 flows, we have used scenario 3 flows as the zones in the model are same but we have considered the u-turning traffic in the model by adding in the extra traffic into Zone 7 which results in the overall change in the traffic matrices. The flows from zone 3,4,5 and 6 to zone 2 have been added to zone 1 to 2 and also from zones 3 to 1, 4 to 1, 5 to 1 and 6 to 1 to undertake u-turn movement.

AM Peak

Assumptions
Car 1 pcu
HGV 2 pcu

2031 Scenario 3 - pcus

2031 Pcus								
Zones in TRANSYT	1	2	3	4	5	6	7	Total
1	0	72	6	339	800	133	23	1374
2	18	0	1	68	158	28	44	318
3	11	16	0	68	39	20	5	158
4	234	315	7	0	382	375	91	1404
5	469	587	8	444	0	269	169	1945
6	66	92	5	382	814	0	26	1385
7	79	172	5	263	616	109	0	1244
Total	878	1252	32	1564	2809	934	358	7828

2031 Scenario 1 - pcus

2031 Scenario 1 pcus								
Zones in TRANSYT	1	2	3	4	5	6	7	Total
1	0	1252	11	602	1416	242	23	3547
2	18	0	1	68	158	28	44	318
3	27	0	0	68	39	20	5	158
4	549	0	7	0	382	375	91	1404
5	1056	0	8	444	0	269	169	1945
6	158	0	5	382	814	0	26	1385
7	1244	0	0	0	0	0	0	1244
Total	3051	1252	32	1564	2809	934	358	10001

PM Peak

Assumptions
Car 1 pcu
HGV 2 pcu

2031 Scenario 3 - pcus

2031 Pcus								
Zones in TRANSYT	1	2	3	4	5	6	7	Total
1	0	12	12	248	562	146	63	1043
2	62	0	12	212	507	138	141	1071
3	6	1	0	18	10	12	4	50
4	345	46	2	0	324	642	211	1570
5	815	105	38	554	0	527	485	2524
6	116	15	14	243	611	0	71	1071
7	41	55	7	124	297	81	0	605
Total	1386	234	85	1399	2311	1545	974	7934

2031 Scenario 1 - pcus

2031 Scenario 1 pcus								
Zones in TRANSYT	1	2	3	4	5	6	7	Total
1	0	234	19	372	859	226	63	1773
2	62	0	12	212	507	138	141	1071
3	7	0	0	18	10	12	4	50
4	391	0	2	0	324	642	211	1570
5	919	0	38	554	0	527	485	2524
6	131	0	14	243	611	0	71	1071
7	605	0	0	0	0	0	0	605
Total	2116	234	85	1399	2311	1545	974	8664

Prepared by:	Sravani Vuppala	13.03.14
Checked by:	Jenny Oakes	13.03.14

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: 25/06/2014 19:12:06
Analysis Set used for last run: A1 - 2031 AM Scenario 1

Filename: Option 4 with Scenario 1 Rev 2.t15
Path: F:\TEM\Project\BCC - Peddimore Access Modelling\3. EXECUTION\Modelling\Scenario 1
Report generation date: 25/06/2014 19:13:17

File summary

File Description

Title	A38 Peddimore Lane Junction - Minworth roundabout
Location	Birmingham
Site Number	
UTCRegion	
Driving Side	Left
Date	02/03/2014
Version	
Status	Proposed Option
Identifier	
Client	Birmingham City Council
Jobnumber	60316941
Enumerator	EU\vuppalas
Description	2031 SC1 - Peddimore Lane junction flows tested in preferred Option Model for Minworth roundabout

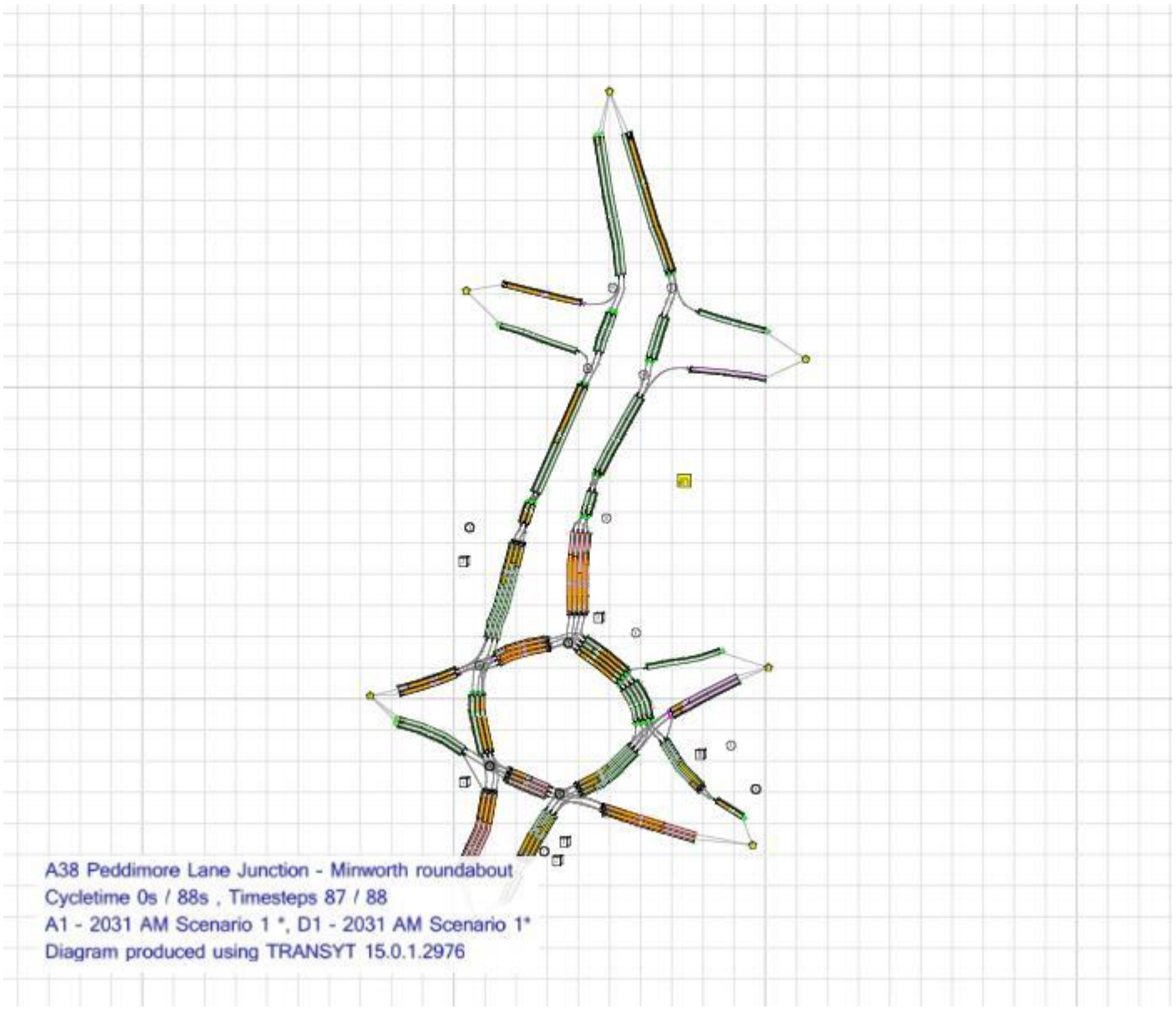
Units

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 1 *: D1 - 2031 AM Scenario 1*

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	Network Within Capacity
A1 - 2031 AM Scenario 1	25/06/2014 19:11:52	25/06/2014 19:12:06	08:00	88	637.57	207.48	G/1	6	9	C/2	G/1	G/1	

Analysis Set Details

Name	Description	Demand Set	Include In Report	Locked
2031 AM Scenario 1		D1	✓	

Demand Set Details

Demand Set	Name	Description	Composite	Demand Sets	Start Time (HH:mm)	Locked
D1	2031 AM Scenario 1				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	A38 N	
11	Dev Access	
12	A38 South	
13	Peddimore	
14	A38 South Exit	

Arms and Traffic Streams

Arms

Arm	Name	Description	Traffic Node
1	(untitled)		5
2	(untitled)		14
A	A38 North		1
B	Lindridge Drive		2
C	A4097 Kingsbury Road		3
D	A38 South		4
E	Wamley Ash Road		5
F	A38 North		11
G	Dev Access Entry		11
I	Peddimore Entry		13

A1	A38 North		14
Ac	A38 North Circulatory		1
Ax	A38 North Exit		8
Ax1	A38 North Exit		10
Bc	Lindridge Drive Circulatory		6
Bc1	Lindridge Drive Circulatory 2		2
Bx	Lindridge drive Exit		
Cc	A4097 Kingsbury Road Circulatory		3
Cx	A4097 Kinsbury Road Exit		9
Cx1	A4097 Kingsbury Road Exit		
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 North		13
Gx	Dev Access Exit		
H-1	A38 North Entry		12
Hx	A38 North Exit		
Ix	Peddimore Exit		

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto Length	Length (m)	Has Restricted Flow	Saturation Flow Source	Saturation Flow (PCU/hr)	Is Signal Controlled	Is Give Way	Traffic Type
1	**1**	(untitled)			20.00	✓	SumOfLanes	1800			Normal
1	**2**	(untitled)			20.00	✓	SumOfLanes	1800			Normal
2	**1**	(untitled)			20.00	✓	SumOfLanes	1800			Normal
2	**2**	(untitled)			20.00	✓	SumOfLanes	1800			Normal
A	**1**	(untitled)			100.00	✓	SumOfLanes	2128	✓		Normal
A	**2**	(untitled)			150.00	✓	SumOfLanes	2279	✓		Normal
A	**3**	A38 North Entry			150.00	✓	SumOfLanes	2279	✓		Normal
A	**4**	(untitled)			150.00	✓	SumOfLanes	2279	✓		Normal
B	**1**	(untitled)			30.00					✓	Normal
B	**2**	(untitled)			30.00					✓	Normal
C	**1**	(untitled)			200.00	✓	SumOfLanes	2263	✓		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
F	**1**	(untitled)			40.00	✓	SumOfLanes	2112			Normal
F	**2**	(untitled)			40.00	✓	SumOfLanes	2112			Normal
G	**1**	(untitled)			100.00					✓	Normal
I	**1**	(untitled)			100.00					✓	Normal
A1	**1**	(untitled)			100.00	✓	SumOfLanes	2112			Normal
A1	**2**	(untitled)			100.00	✓	SumOfLanes	2263			Normal
Ac	**1**	(untitled)			54.00	✓	SumOfLanes	2112	✓		Normal
Ac	**2**	(untitled)			54.00	✓	SumOfLanes	2263	✓		Normal
Ac	**3**	(untitled)			54.00	✓	SumOfLanes	2263	✓		Normal
Ax	**1**	(untitled)			100.00	✓	SumOfLanes	1965	✓		Normal
Ax	**2**	(untitled)			100.00	✓	SumOfLanes	2105	✓		Normal
Ax	**3**	(untitled)			100.00	✓	SumOfLanes	2105	✓		Normal
Ax1	**1**	A38 North Exit			100.00	✓	SumOfLanes	1800			Normal
Ax1	**2**	A38 North Exit			100.00	✓	SumOfLanes	1800			Normal
Bc	**1**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc	**2**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc	**3**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc	**4**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc1	**1**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
Bc1	**2**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
Bc1	**3**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
Bc1	**4**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
Bx	**1**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Cc	**1**	(untitled)			65.00	✓	SumOfLanes	2059	✓		Normal
Cc	**2**	(untitled)			65.00	✓	SumOfLanes	2209	✓		Normal
Cc	**3**	(untitled)			65.00	✓	SumOfLanes	2181	✓		Normal

Cx	**1**	A4097 Kinsbury Road Exit			100.00	✓	SumOfLanes	2120	✓		Normal
Cx	**2**	A4097 Kinsbury Road Exit			100.00	✓	SumOfLanes	2120	✓		Normal
Cx1	**1**	(untitled)			100.00	✓	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)			40.00	✓	SumOfLanes	2112			Normal
Fx	**2**	(untitled)			40.00	✓	SumOfLanes	2112			Normal
Gx	**1**	(untitled)			100.00	✓	SumOfLanes	1980			Normal
H-1	**1**	(untitled)			100.00	✓	SumOfLanes	2112			Normal
H-1	**2**	(untitled)			100.00	✓	SumOfLanes	2263			Normal
Hx	**1**	(untitled)			100.00	✓	SumOfLanes	2112			Normal
Hx	**2**	(untitled)			100.00	✓	SumOfLanes	2263			Normal
Ix	**1**	(untitled)			100.00	✓	SumOfLanes	1980			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
1	**2**	**1**	(untitled)											1800
2	**1**	**1**	(untitled)											1800
2	**2**	**1**	(untitled)											1800
A	**1**	**2**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00	✓	2128

A	**2**	**1**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
A	**3**	**3**	(untitled)		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
A	**4**	**2**	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
B	**1**	**1**	Lindridge Drive Entry											
B	**2**	**2**	Lindridge Drive Entry											
C	**1**	**1**	A4097 Kingsbury Road Entry		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
C	**2**	**2**	A4097 Kingsbury Road Entry		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
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)											
F	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
F	**2**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
G	**1**	**2**	A38 North Exit		✓								✓	
I	**1**	**2**	A38 North Exit		✓								✓	
A1	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
A1	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Ac	**1**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Ac	**2**	**2**	A38 North Circulatory		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Ac	**3**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Ax	**1**	**2**	A38 North Exit		✓	N/A	N/A	0	3.50		0	10.00	✓	1965
Ax	**2**	**1**	A38 North Exit		✓	N/A	N/A	0	3.50		0	10.00		2105
Ax	**3**	**1**	A38 North Exit		✓	N/A	N/A	0	3.50		0	10.00		2105
Ax1	**1**	**1**	(untitled)											1800
Ax1	**2**	**1**	(untitled)											1800
Bc	**1**	**2**	Lindridge Drive Circulatory											1800

Bc	**2**	**1**	Lindridge Drive Circulatory											1800
Bc	**3**	**3**	Lindridge Drive Circulatory											1800
Bc	**4**	**3**	Lindridge Drive Circulatory											1800
Bc1	**1**	**2**	Lindridge Drive Circulatory											1800
Bc1	**2**	**1**	Lindridge Drive Circulatory											1800
Bc1	**3**	**3**	Lindridge Drive Circulatory											1800
Bc1	**4**	**3**	Lindridge Drive Circulatory											1800
Bx	**1**	**2**	Lindridge drive Exit											1800
Cc	**1**	**1**	A4097 Kingsbury Road Circulatory		✓	N/A	Clearly Good	0	3.00		0	10.00	✓	2059
Cc	**2**	**2**	A4097 Kingsbury Road Circulatory		✓	N/A	Clearly Good	0	3.00		0	10.00		2209
Cc	**3**	**2**	A4097 Kingsbury Road Circulatory		✓	N/A	Clearly Good	0	3.00		43	50.00		2181
Cx	**1**	**2**	A4097 Kinsbury Road Exit		✓	N/A	N/A	0	3.65		0	10.00		2120
Cx	**2**	**3**	A4097 Kinsbury Road Exit		✓	N/A	N/A	0	3.65		0	10.00		2120
Cx1	**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

Ex	**2**	**2**	Wamley Ash Road Exit										1800
Fx	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Fx	**2**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Gx	**1**	**2**	A38 North Exit		✓	N/A	N/A	0	3.65		0	10.00	✓	1980
H-1	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
H-1	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Hx	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Hx	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Ix	**1**	**2**	A38 North Exit		✓	N/A	N/A	0	3.65		0	10.00	✓	1980

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				
1	**2**	[Forced to PDM]	100	100		0.00				
2	**1**	[Forced to PDM]	100	100		0.00				
2	**2**	[Forced to PDM]	100	100		0.00				
A	**1**	[Forced to PDM]	0	40		0.00				
A	**2**	[Forced to PDM]	0	40		0.00				
A	**3**	[Forced to PDM]	0	40		0.00				
A	**4**	[Forced to PDM]	0	40		0.00				
B	**1**	[Forced to PDM]	100	100		0.00				
B	**2**	[Forced to PDM]	100	100		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					
F	**1**	[Forced to PDM]	100	100		0.00					
F	**2**	[Forced to PDM]	100	100		0.00					
G	**1**	[Forced to PDM]	100	100		0.00					
I	**1**	[Forced to PDM]	100	100		0.00					
A1	**1**	[Forced to PDM]	100	100		0.00					
A1	**2**	[Forced to PDM]	100	100		0.00					
Ac	**1**	[Forced to PDM]	100	100		7.00	✓	7	80.00		
Ac	**2**	[Forced to PDM]	100	100		7.00	✓	7	0.00		
Ac	**3**	[Forced to PDM]	100	100		7.00	✓	7	0.00		
Ax	**1**	[Forced to PDM]	100	100		0.00					
Ax	**2**	[Forced to PDM]	100	100		0.00					
Ax	**3**	[Forced to PDM]	100	100		0.00					
Ax1	**1**	[Forced to PDM]	100	100		0.00					
Ax1	**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		
Bx	**1**	[Forced to PDM]	100	100		0.00					
Cc	**1**	[Forced to	100	100		6.00	✓	6	60.00		

		PDM]									
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				
Cx1	**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				
Gx	**1**	[Forced to PDM]	100	100		0.00				
H-1	**1**	[Forced to PDM]	100	100		0.00				
H-1	**2**	[Forced to PDM]	100	100		0.00				
Hx	**1**	[Forced to PDM]	100	100		0.00				
Hx	**2**	[Forced to PDM]	100	100		0.00				

Ix	**1**	[Forced to PDM]	100	100		0.00					

Modelling - Advanced

Arm	Traffic Stream	Cruise Sensitivity Multiplier (%)	Initial Queue (PCU)	Type of Vehicle-in-Service	Vehicle-in-Service	Type Of Random Parameter	Random Parameter	Auto Cycle Time	Cycle Time
1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
1	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
2	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
2	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
A	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
A	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
A	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
A	**4**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
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
F	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
F	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
G	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
I	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
A1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
A1	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ac	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ac	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ac	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88

Ax1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax1	**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
Bx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cc	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cc	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cc	**3**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx1	**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

Gx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
H-1	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
H-1	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Hx	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Hx	**2**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ix	**1**	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88

Normal - Modelling

Arm	Traffic Stream	Stop Weighting (%)	Delay Weighting (%)
1	**1**	100	100
1	**2**	100	100
2	**1**	100	100
2	**2**	100	100
A	**1**	100	100
A	**2**	100	100
A	**3**	100	100
A	**4**	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
F	**1**	100	100
F	**2**	100	100
G	**1**	100	100
I	**1**	100	100
A1	**1**	100	100
A1	**2**	100	100
Ac	**1**	100	100
Ac	**2**	100	100
Ac	**3**	100	100

Ax	**1**	100	100
Ax	**2**	100	100
Ax	**3**	100	100
Ax1	**1**	100	100
Ax1	**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
Bx	**1**	100	100
Cc	**1**	100	100
Cc	**2**	100	100
Cc	**3**	100	100
Cx	**1**	100	100
Cx	**2**	100	100
Cx1	**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
Gx	**1**	100	100
H-1	**1**	100	100
H-1	**2**	100	100
Hx	**1**	100	100
Hx	**2**	100	100
Ix	**1**	100	100

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)
1	**1**	1178	1178
1	**2**	1433	1433
2	**1**	786	786
2	**2**	1380	1380
A	**1**	586	586
A	**2**	592	592
A	**3**	716	716
A	**4**	716	716
B	**1**	68	68
B	**2**	91	91
C	**1**	702	702
C	**2**	702	702
D	**1**	618	618
D	**2**	664	664
D	**3**	664	664
E	**1**	462	462
E	**2**	923	923
F	**1**	904	904
F	**2**	904	904
G	**1**	1244	1244
I	**1**	317	317
A1	**1**	1464	1464
A1	**2**	1147	1147
Ac	**1**	515	515
Ac	**2**	603	603

Ac	**3**	543	543
Ax	**1**	786	786
Ax	**2**	916	916
Ax	**3**	464	464
Ax1	**1**	1262	1262
Ax1	**2**	904	904
Bc	**1**	1101	1101
Bc	**2**	1195	1195
Bc	**3**	988	988
Bc	**4**	988	988
Bc1	**1**	1069	1069
Bc1	**2**	1195	1195
Bc1	**3**	988	988
Bc1	**4**	988	988
Bx	**1**	32	32
Cc	**1**	768	768
Cc	**2**	1007	1007
Cc	**3**	1059	1059
Cx	**1**	1137	1137
Cx	**2**	427	427
Cx1	**1**	1564	1564
Dc	**1**	320	320
Dc	**2**	597	597
Dc	**3**	512	512
Dx	**1**	1150	1150
Dx	**2**	1007	1007
Dx	**3**	652	652
Dx1	**1**	1150	1150
Dx1	**2**	1659	1659
Ec	**1**	602	602
Ec	**2**	916	916
Ec	**3**	923	923
Ex	**1**	589	589
Ex	**2**	345	345

Fx	**1**	1147	1147
Fx	**2**	1147	1147
Gx	**1**	358	358
H-1	**1**	2399	2399
H-1	**2**	1147	1147
Hx	**1**	2148	2148
Hx	**2**	904	904
Ix	**1**	1252	1252

Signals

Arm	Traffic Stream	Controller Stream	Phase	Phase2 Enabled
A	**1**	1	A	
A	**2**	1	A	
A	**3**	1	A	
A	**4**	1	A	
C	**1**	3	A	
C	**2**	3	A	
D	**1**	2	A	
D	**2**	2	A	
D	**3**	2	A	
Ac	**1**	1	B	
Ac	**2**	1	B	
Ac	**3**	1	B	
Ax	**1**	5	A	
Ax	**2**	5	A	
Ax	**3**	5	A	
Cc	**1**	3	B	
Cc	**2**	3	B	
Cc	**3**	3	B	
Cx	**1**	6	A	
Cx	**2**	6	A	
Dc	**1**	2	B	
Dc	**2**	2	B	
Dc	**3**	2	B	
Dx	**1**	7	A	

Dx	**2**	7	A	
Dx	**3**	7	A	

Entry Sources

Arm	Traffic Stream	Normal Cruise Time (seconds)	Normal Cruise Speed (kph)
B	**1**	2.24	48.28
B	**2**	2.24	48.28
C	**1**	11.19	64.37
C	**2**	11.19	64.37
D	**1**	16.78	64.37
D	**2**	16.78	64.37
D	**3**	16.78	64.37
E	**1**	14.91	48.28
E	**2**	14.91	48.28
G	**1**	7.46	48.28
I	**1**	7.46	48.28
H-1	**1**	7.46	48.28
H-1	**2**	7.46	48.28

Sources

Arm	Traffic Stream	Source	Source Type	Source Traffic Stream	Destination Traffic Stream	Normal Cruise Time (seconds)	Normal Cruise Speed (kph)	Auto Turning Radius	Traffic Turn Style	Turning Radius (m)
1	**1**	**1**	TrafficStream	A1/1	1/1	2.40	30.00	✓	Straight	Straight Movement
1	**2**	**1**	TrafficStream	A1/1	1/2	2.40	30.00	✓	Straight	Straight Movement
2	**1**	**1**	TrafficStream	Ax/1	2/1	2.40	30.00	✓	Straight	Straight Movement
2	**2**	**1**	TrafficStream	Ax/3	2/2	2.40	30.00	✓	Straight	Straight Movement
A	**1**	**1**	TrafficStream	1/1	A/1	12.00	30.00	✓	Straight	Straight Movement
A	**2**	**1**	TrafficStream	1/1	A/2	18.00	30.00	✓	Straight	Straight Movement
A	**3**	**1**	TrafficStream	1/2	A/3	18.00	30.00	✓	Straight	Straight Movement
A	**4**	**1**	TrafficStream	1/2	A/4	11.18	48.28	✓	Straight	Straight Movement
A1	**1**	**1**	TrafficStream	I/1	A1/1	7.46	48.28	✓	Straight	Straight Movement
A1	**2**	**1**	TrafficStream	Fx/2	A1/2	7.46	48.28	✓	Straight	Straight Movement
Ac	**1**	**1**	TrafficStream	E/1	Ac/1	4.03	48.28	✓	Straight	Straight Movement

Ac	**2**	**1**	TrafficStream	Ec/3	Ac/2	4.03	48.28	✓	Straight	Straight Movement
Ac	**3**	**1**	TrafficStream	E/2	Ac/3	4.03	48.28	✓	Straight	Straight Movement
Ax	**1**	**1**	TrafficStream	Ec/1	Ax/1	5.59	64.37	✓	Straight	Straight Movement
Ax	**2**	**1**	TrafficStream	Ec/2	Ax/2	5.59	64.37	✓	Straight	Straight Movement
Ax	**3**	**1**	TrafficStream	Ec/3	Ax/3	5.59	64.37	✓	Straight	Straight Movement
Ax1	**1**	**1**	TrafficStream	2/1	Ax1/1	12.00	30.00	✓	Straight	Straight Movement
Ax1	**2**	**1**	TrafficStream	2/2	Ax1/2	12.00	30.00	✓	Straight	Straight Movement
Bc	**1**	**1**	TrafficStream	Ac/1	Bc/1	7.46	48.28	✓	Straight	Straight Movement
Bc	**2**	**1**	TrafficStream	A/2	Bc/2	7.46	48.28	✓	Straight	Straight Movement
Bc	**3**	**1**	TrafficStream	Ac/3	Bc/3	7.46	48.28	✓	Straight	Straight Movement
Bc	**4**	**1**	TrafficStream	Ac/3	Bc/4	7.46	48.28	✓	Straight	Straight Movement
Bc1	**1**	**1**	TrafficStream	Bc/1	Bc1/1	2.24	48.28	✓	Straight	Straight Movement
Bc1	**2**	**1**	TrafficStream	Bc/2	Bc1/2	2.24	48.28	✓	Straight	Straight Movement
Bc1	**3**	**1**	TrafficStream	Bc/3	Bc1/3	2.24	48.28	✓	Straight	Straight Movement
Bc1	**4**	**1**	TrafficStream	Bc/4	Bc1/4	2.24	48.28	✓	Straight	Straight Movement
F	**1**	**1**	TrafficStream	Ax1/1	F/1	2.98	48.28	✓	Straight	Straight Movement
F	**2**	**1**	TrafficStream	Ax1/2	F/2	2.98	48.28	✓	Straight	Straight Movement
Bx	**1**	**1**	TrafficStream	Bc/1	Bx/1	7.46	48.28	✓	Nearside	76.24
Cc	**1**	**1**	TrafficStream	B/1	Cc/1	4.85	48.28	✓	Straight	Straight Movement
Cc	**2**	**1**	TrafficStream	B/2	Cc/2	4.85	48.28	✓	Straight	Straight Movement
Cc	**3**	**1**	TrafficStream	B/2	Cc/3	4.85	48.28	✓	Straight	Straight Movement
Cx	**1**	**1**	TrafficStream	Bc1/1	Cx/1	5.59	64.37	✓	Straight	Straight Movement
Cx	**2**	**1**	TrafficStream	Bc1/2	Cx/2	5.59	64.37	✓	Straight	Straight Movement
Cx1	**1**	**1**	TrafficStream	Cx/1	Cx1/1	7.46	48.28	✓	Straight	Straight Movement
Dc	**1**	**1**	TrafficStream	C/1	Dc/1	6.71	48.28	✓	Straight	Straight Movement
Dc	**2**	**1**	TrafficStream	C/2	Dc/2	6.71	48.28	✓	Straight	Straight Movement

Dc	**3**	**1**	TrafficStream	C/2	Dc/3	6.71	48.28	✓	Straight	Straight Movement
Dx	**1**	**1**	TrafficStream	Cc/1	Dx/1	3.13	64.37	✓	Straight	Straight Movement
Dx	**2**	**1**	TrafficStream	Cc/2	Dx/2	3.13	64.37	✓	Straight	Straight Movement
Dx	**3**	**1**	TrafficStream	Cc/3	Dx/3	3.13	64.37	✓	Straight	Straight Movement
Dx1	**1**	**1**	TrafficStream	Dx/1	Dx1/1	13.98	64.37	✓	Straight	Straight Movement
Dx1	**2**	**1**	TrafficStream	Dx/2	Dx1/2	13.98	64.37	✓	Straight	Straight Movement
Ec	**1**	**1**	TrafficStream	D/1	Ec/1	3.73	48.28	✓	Straight	Straight Movement
Ec	**2**	**1**	TrafficStream	D/2	Ec/2	3.73	48.28	✓	Straight	Straight Movement
Ec	**3**	**1**	TrafficStream	D/3	Ec/3	3.73	48.28	✓	Straight	Straight Movement
Ex	**1**	**1**	TrafficStream	Dc/1	Ex/1	7.46	48.28	✓	Straight	Straight Movement
Ex	**2**	**1**	TrafficStream	Dc/2	Ex/2	7.46	48.28	✓	Straight	Straight Movement
Fx	**1**	**1**	TrafficStream	H-1/1	Fx/1	2.98	48.28	✓	Straight	Straight Movement
Fx	**2**	**1**	TrafficStream	H-1/2	Fx/2	2.98	48.28	✓	Straight	Straight Movement
Gx	**1**	**1**	TrafficStream	Ax1/1	Gx/1	7.46	48.28	✓	Nearside	64.11
Hx	**1**	**1**	TrafficStream	G/1	Hx/1	7.46	48.28	✓	Straight	Straight Movement
Hx	**2**	**1**	TrafficStream	F/2	Hx/2	7.46	48.28	✓	Straight	Straight Movement
Ix	**1**	**1**	TrafficStream	H-1/1	Ix/1	7.46	48.28	✓	Straight	Straight Movement
1	**1**	**2**	TrafficStream	A1/2	1/1	2.40	30.00	✓	Straight	Straight Movement
1	**2**	**2**	TrafficStream	A1/2	1/2	2.40	30.00	✓	Straight	Straight Movement
2	**2**	**2**	TrafficStream	Ax/2	2/2	2.40	30.00	✓	Straight	Straight Movement
A1	**1**	**2**	TrafficStream	Fx/1	A1/1	7.46	48.28	✓	Straight	Straight Movement
Ac	**1**	**2**	TrafficStream	Ec/3	Ac/1	4.03	48.28	✓	Straight	Straight Movement
Ac	**2**	**2**	TrafficStream	E/2	Ac/2	4.03	48.28	✓	Straight	Straight Movement
Ax	**1**	**2**	TrafficStream	E/1	Ax/1	5.59	64.37	✓	Straight	Straight Movement
Ax1	**1**	**2**	TrafficStream	2/2	Ax1/1	12.00	30.00	✓	Straight	Straight Movement
Ax1	**2**	**2**	TrafficStream	2/1	Ax1/2	12.00	30.00	✓	Straight	Straight Movement

Bc	**1**	**2**	TrafficStream	A/1	Bc/1	7.46	48.28	✓	Nearside	83.93
Bc	**2**	**2**	TrafficStream	Ac/2	Bc/2	12.00	30.00	✓	Straight	Straight Movement
Bc	**3**	**2**	TrafficStream	A/3	Bc/3	12.00	30.00	✓	Straight	Straight Movement
Bc	**4**	**2**	TrafficStream	A/4	Bc/4	7.46	48.28	✓	Straight	Straight Movement
Cc	**1**	**2**	TrafficStream	Bc1/2	Cc/1	4.85	48.28	✓	Straight	Straight Movement
Cc	**2**	**2**	TrafficStream	Bc1/3	Cc/2	4.85	48.28	✓	Straight	Straight Movement
Cc	**3**	**2**	TrafficStream	Bc1/4	Cc/3	4.85	48.28	✓	Straight	Straight Movement
Cx	**1**	**2**	TrafficStream	B/1	Cx/1	5.59	64.37	✓	Nearside	73.56
Cx1	**1**	**2**	TrafficStream	Cx/2	Cx1/1	7.46	48.28	✓	Straight	Straight Movement
Dc	**2**	**2**	TrafficStream	Cc/3	Dc/2	6.71	48.28	✓	Straight	Straight Movement
Dc	**3**	**2**	TrafficStream	Cc/3	Dc/3	6.71	48.28	✓	Straight	Straight Movement
Dx	**1**	**2**	TrafficStream	C/1	Dx/1	3.13	64.37	✓	Straight	Straight Movement
Dx1	**2**	**2**	TrafficStream	Dx/3	Dx1/2	13.98	64.37	✓	Straight	Straight Movement
Ec	**1**	**2**	TrafficStream	Dc/2	Ec/1	6.00	30.00	✓	Straight	Straight Movement
Ec	**2**	**2**	TrafficStream	Dc/3	Ec/2	6.00	30.00	✓	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
Hx	**1**	**2**	TrafficStream	F/1	Hx/1	7.46	48.28	✓	Straight	Straight Movement

Give Way Data

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

1		TrafficStream	Bc1/1	100	0.18		0	0
1		TrafficStream	Bc1/2	100	0.18		0	0
2		TrafficStream	Bc1/1	100	0.44		0	0
2		TrafficStream	Bc1/2	100	0.44		0	0
2		TrafficStream	Bc1/3	100	0.44		0	0
2		TrafficStream	Bc1/4	100	0.44		0	0
1	Roundabout Circulating	TrafficStream	Ec/1	100	0.21		0	0
1	Roundabout Circulating	TrafficStream	Ec/2	100	0.21		0	0
1	Roundabout Circulating	TrafficStream	Ec/3	100	0.21		0	0
2	Roundabout Circulating	TrafficStream	Ec/1	100	0.42		0	0
2	Roundabout Circulating	TrafficStream	Ec/2	100	0.42		0	0
2	Roundabout Circulating	TrafficStream	Ec/3	100	0.42		0	0
1		TrafficStream	F/1	100	0.16		0	0
1		TrafficStream	Fx/1	100	0.16		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 S1

Normal Input Flows (PCU/hr)

		To						
		1	**2**	**3**	**4**	**5**	**6**	**7**
From	**1**	0	1252	11	602	1416	242	23
	2	18	0	1	68	158	28	44
	3	27	0	0	68	39	20	5
	4	549	0	7	0	382	375	91
	5	1056	0	8	444	0	269	169
	6	158	0	5	382	814	0	26
	7	1244	0	0	0	0	0	0

Bus Input Flows not shown as they are blank.

Tram Input Flows not shown as they are blank.

Pedestrian Input Flows not shown as they are blank.

Locations

OD Matrix	Location	Name	Entries	Exits
2031 S1	**1**	(untitled)	H-1/1,H-1/2	Hx/2,Hx/1
2031 S1	**2**	(untitled)	I/1	Ix/1
2031 S1	**3**	(untitled)	B/1,B/2	Bx/1
2031 S1	**4**	(untitled)	C/1,C/2	Cx1/1
2031 S1	**5**	(untitled)	D/1,D/2,D/3	Dx1/2,Dx1/1
2031 S1	**6**	(untitled)	E/1,E/2	Ex/1,Ex/2
2031 S1	**7**	(untitled)	G/1	Gx/1

Paths

OD Matrix	Path	Description	From Location	To Location	Path Items
2031 S1	**1**		5	7	D/1,Ec/1,Ax/1,2/1,Ax1/1,Gx/1
2031 S1	**2**		5	1	D/1,Ec/1,Ax/1,2/1,Ax1/1,F/1,Hx/1
2031 S1	**3**		5	1	D/1,Ec/1,Ax/1,2/1,Ax1/2,F/2,Hx/2
2031 S1	**4**		5	6	D/1,Ex/1
2031 S1	**5**		5	7	D/2,Ec/2,Ax/2,2/2,Ax1/1,Gx/1
2031 S1	**6**		5	1	D/2,Ec/2,Ax/2,2/2,Ax1/1,F/1,Hx/1
2031 S1	**7**		5	1	D/2,Ec/2,Ax/2,2/2,Ax1/2,F/2,Hx/2
2031 S1	**8**		5	7	D/3,Ec/3,Ax/3,2/2,Ax1/1,Gx/1
2031 S1	**9**		5	1	D/3,Ec/3,Ax/3,2/2,Ax1/1,F/1,Hx/1
2031 S1	**10**		5	1	D/3,Ec/3,Ax/3,2/2,Ax1/2,F/2,Hx/2
2031 S1	**11**		5	3	D/3,Ec/3,Ac/1,Bc/1,Bx/1
2031 S1	**12**		5	4	D/3,Ec/3,Ac/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S1	**13**		5	5	D/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S1	**14**		5	4	D/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S1	**15**		6	7	E/1,Ax/1,2/1,Ax1/1,Gx/1
2031 S1	**16**		6	1	E/1,Ax/1,2/1,Ax1/1,F/1,Hx/1
2031 S1	**17**		6	1	E/1,Ax/1,2/1,Ax1/2,F/2,Hx/2
2031 S1	**18**		6	3	E/1,Ac/1,Bc/1,Bx/1
2031 S1	**19**		6	4	E/1,Ac/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S1	**20**		6	5	E/2,Ac/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S1	**21**		6	4	E/2,Ac/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S1	**22**		6	5	E/2,Ac/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2

2031 S1	**23**		6	7	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,Gx/1
2031 S1	**24**		6	1	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,F/1,Hx/1
2031 S1	**25**		6	1	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/2,F/2,Hx/2
2031 S1	**26**		6	6	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S1	**27**		6	7	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,Gx/1
2031 S1	**28**		6	1	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,F/1,Hx/1
2031 S1	**29**		6	1	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/2,F/2,Hx/2
2031 S1	**30**		6	7	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,Gx/1
2031 S1	**31**		6	1	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,F/1,Hx/1
2031 S1	**32**		6	1	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/2,F/2,Hx/2
2031 S1	**33**		6	5	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S1	**34**		3	5	B/1,Cc/1,Dx/1,Dx1/1
2031 S1	**35**		3	4	B/1,Cx/1,Cx1/1
2031 S1	**36**		3	5	B/2,Cc/2,Dx/2,Dx1/2
2031 S1	**37**		3	7	B/2,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,Gx/1
2031 S1	**38**		3	1	B/2,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,F/1,Hx/1
2031 S1	**39**		3	1	B/2,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/2,F/2,Hx/2
2031 S1	**40**		3	6	B/2,Cc/3,Dc/2,Ex/2
2031 S1	**41**		3	7	B/2,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,Gx/1
2031 S1	**42**		3	1	B/2,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,F/1,Hx/1
2031 S1	**43**		3	1	B/2,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/2,F/2,Hx/2
2031 S1	**44**		3	7	B/2,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,Gx/1
2031 S1	**45**		3	1	B/2,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,F/1,Hx/1
2031 S1	**46**		3	1	B/2,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/2,F/2,Hx/2
2031 S1	**47**		3	3	B/2,Cc/3,Dc/3,Ec/3,Ac/1,Bc/1,Bx/1
2031 S1	**48**		3	4	B/2,Cc/3,Dc/3,Ec/3,Ac/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S1	**49**		3	4	B/2,Cc/3,Dc/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S1	**50**		3	5	B/2,Cc/3,Dx/3,Dx1/2
2031 S1	**51**		4	6	C/1,Dc/1,Ex/1
2031 S1	**52**		4	5	C/1,Dx/1,Dx1/1
2031 S1	**53**		4	7	C/2,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,Gx/1
2031 S1	**54**		4	1	C/2,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,F/1,Hx/1
2031 S1	**55**		4	1	C/2,Dc/2,Ec/1,Ax/1,2/1,Ax1/2,F/2,Hx/2
2031 S1	**56**		4	6	C/2,Dc/2,Ex/2

2031 S1	**57**		4	7	C/2,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,Gx/1
2031 S1	**58**		4	1	C/2,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,F/1,Hx/1
2031 S1	**59**		4	1	C/2,Dc/3,Ec/2,Ax/2,2/2,Ax1/2,F/2,Hx/2
2031 S1	**60**		4	7	C/2,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,Gx/1
2031 S1	**61**		4	1	C/2,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,F/1,Hx/1
2031 S1	**62**		4	1	C/2,Dc/3,Ec/3,Ax/3,2/2,Ax1/2,F/2,Hx/2
2031 S1	**63**		4	3	C/2,Dc/3,Ec/3,Ac/1,Bc/1,Bx/1
2031 S1	**64**		4	4	C/2,Dc/3,Ec/3,Ac/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S1	**65**		4	5	C/2,Dc/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S1	**66**		4	4	C/2,Dc/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S1	**67**		2	3	I/1,A1/1,1/1,A/1,Bc/1,Bx/1
2031 S1	**68**		2	4	I/1,A1/1,1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S1	**69**		2	5	I/1,A1/1,1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S1	**70**		2	4	I/1,A1/1,1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S1	**71**		2	5	I/1,A1/1,1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S1	**72**		2	7	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,Gx/1
2031 S1	**73**		2	1	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,F/1,Hx/1
2031 S1	**74**		2	1	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/2,F/2,Hx/2
2031 S1	**75**		2	6	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S1	**76**		2	7	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,Gx/1
2031 S1	**77**		2	1	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,F/1,Hx/1
2031 S1	**78**		2	1	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/2,F/2,Hx/2
2031 S1	**79**		2	7	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,Gx/1
2031 S1	**80**		2	1	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,F/1,Hx/1
2031 S1	**81**		2	1	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/2,F/2,Hx/2
2031 S1	**82**		2	5	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S1	**83**		7	1	G/1,Hx/1
2031 S1	**84**		1	2	H-1/1,Ix/1
2031 S1	**85**		1	3	H-1/1,Fx/1,A1/1,1/1,A/1,Bc/1,Bx/1
2031 S1	**86**		1	4	H-1/1,Fx/1,A1/1,1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S1	**87**		1	5	H-1/1,Fx/1,A1/1,1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S1	**88**		1	4	H-1/1,Fx/1,A1/1,1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S1	**89**		1	5	H-1/1,Fx/1,A1/1,1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S1	**90**		1	7	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,Gx/1

2031 S1	**91**		1	1	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,F/1,Hx/1
2031 S1	**92**		1	1	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/2,F/2,Hx/2
2031 S1	**93**		1	6	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S1	**94**		1	7	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,Gx/1
2031 S1	**95**		1	1	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,F/1,Hx/1
2031 S1	**96**		1	1	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/2,F/2,Hx/2
2031 S1	**97**		1	7	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,Gx/1
2031 S1	**98**		1	1	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,F/1,Hx/1
2031 S1	**99**		1	1	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/2,F/2,Hx/2
2031 S1	**100**		1	5	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S1	**101**		1	3	H-1/2,Fx/2,A1/2,1/1,A/1,Bc/1,Bx/1
2031 S1	**102**		1	4	H-1/2,Fx/2,A1/2,1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S1	**103**		1	5	H-1/2,Fx/2,A1/2,1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S1	**104**		1	4	H-1/2,Fx/2,A1/2,1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S1	**105**		1	5	H-1/2,Fx/2,A1/2,1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S1	**106**		1	7	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,Gx/1
2031 S1	**107**		1	1	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,F/1,Hx/1
2031 S1	**108**		1	1	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/2,F/2,Hx/2
2031 S1	**109**		1	6	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S1	**110**		1	7	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,Gx/1
2031 S1	**111**		1	1	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,F/1,Hx/1
2031 S1	**112**		1	1	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/2,F/2,Hx/2
2031 S1	**113**		1	7	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,Gx/1
2031 S1	**114**		1	1	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,F/1,Hx/1
2031 S1	**115**		1	1	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/2,F/2,Hx/2
2031 S1	**116**		1	5	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2

Normal Path Flows

OD Matrix	Path	Permitted Flow Type	Allocation Type
2031 S1	**1**	✓	Normal
2031 S1	**2**	✓	Normal
2031 S1	**3**	✓	Normal
2031 S1	**4**	✓	Normal
2031 S1	**5**	✓	Normal
2031 S1	**6**	✓	Normal

2031 S1	**7**	✓	Normal
2031 S1	**8**	✓	Normal
2031 S1	**9**	✓	Normal
2031 S1	**10**	✓	Normal
2031 S1	**11**	✓	Normal
2031 S1	**12**	✓	Normal
2031 S1	**13**	✓	Normal
2031 S1	**14**	✓	Normal
2031 S1	**15**	✓	Normal
2031 S1	**16**	✓	Normal
2031 S1	**17**	✓	Normal
2031 S1	**18**	✓	Normal
2031 S1	**19**	✓	Normal
2031 S1	**20**	✓	Normal
2031 S1	**21**	✓	Normal
2031 S1	**22**	✓	Normal
2031 S1	**23**	✓	Disabled
2031 S1	**24**	✓	Disabled
2031 S1	**25**	✓	Disabled
2031 S1	**26**	✓	Disabled
2031 S1	**27**	✓	Disabled
2031 S1	**28**	✓	Disabled
2031 S1	**29**	✓	Disabled
2031 S1	**30**	✓	Disabled
2031 S1	**31**	✓	Disabled
2031 S1	**32**	✓	Disabled
2031 S1	**33**	✓	Normal
2031 S1	**34**	✓	Normal
2031 S1	**35**	✓	Normal
2031 S1	**36**	✓	Normal
2031 S1	**37**	✓	Normal
2031 S1	**38**	✓	Normal

2031 S1	**39**	✓	Normal
2031 S1	**40**	✓	Normal
2031 S1	**41**	✓	Normal
2031 S1	**42**	✓	Normal
2031 S1	**43**	✓	Normal
2031 S1	**44**	✓	Normal
2031 S1	**45**	✓	Normal
2031 S1	**46**	✓	Normal
2031 S1	**47**	✓	Normal
2031 S1	**48**	✓	Disabled
2031 S1	**49**	✓	Disabled
2031 S1	**50**	✓	Normal
2031 S1	**51**	✓	Normal
2031 S1	**52**	✓	Normal
2031 S1	**53**	✓	Normal
2031 S1	**54**	✓	Normal
2031 S1	**55**	✓	Normal
2031 S1	**56**	✓	Normal
2031 S1	**57**	✓	Normal
2031 S1	**58**	✓	Normal
2031 S1	**59**	✓	Normal
2031 S1	**60**	✓	Normal
2031 S1	**61**	✓	Normal
2031 S1	**62**	✓	Normal
2031 S1	**63**	✓	Normal
2031 S1	**64**	✓	Normal
2031 S1	**65**	✓	Disabled
2031 S1	**66**	✓	Normal
2031 S1	**67**	✓	Normal
2031 S1	**68**	✓	Normal
2031 S1	**69**	✓	Normal
2031 S1	**70**	✓	Normal

2031 S1	**71**	✓	Normal
2031 S1	**72**	✓	Normal
2031 S1	**73**	✓	Normal
2031 S1	**74**	✓	Normal
2031 S1	**75**	✓	Normal
2031 S1	**76**	✓	Normal
2031 S1	**77**	✓	Normal
2031 S1	**78**	✓	Normal
2031 S1	**79**	✓	Normal
2031 S1	**80**	✓	Normal
2031 S1	**81**	✓	Normal
2031 S1	**82**	✓	Normal
2031 S1	**83**	✓	Normal
2031 S1	**84**	✓	Normal
2031 S1	**85**	✓	Normal
2031 S1	**86**	✓	Normal
2031 S1	**87**	✓	Normal
2031 S1	**88**	✓	Normal
2031 S1	**89**	✓	Normal
2031 S1	**90**	✓	Normal
2031 S1	**91**	✓	Normal
2031 S1	**92**	✓	Normal
2031 S1	**93**	✓	Normal
2031 S1	**94**	✓	Normal
2031 S1	**95**	✓	Normal
2031 S1	**96**	✓	Normal
2031 S1	**97**	✓	Normal
2031 S1	**98**	✓	Normal
2031 S1	**99**	✓	Normal
2031 S1	**100**	✓	Normal
2031 S1	**101**	✓	Normal
2031 S1	**102**	✓	Normal

2031 S1	**103**	✓	Normal
2031 S1	**104**	✓	Normal
2031 S1	**105**	✓	Normal
2031 S1	**106**	✓	Normal
2031 S1	**107**	✓	Normal
2031 S1	**108**	✓	Normal
2031 S1	**109**	✓	Normal
2031 S1	**110**	✓	Normal
2031 S1	**111**	✓	Normal
2031 S1	**112**	✓	Normal
2031 S1	**113**	✓	Normal
2031 S1	**114**	✓	Normal
2031 S1	**115**	✓	Normal
2031 S1	**116**	✓	Normal

Signal Timings

Network Default: 88s cycle time; 88 steps

Controller Stream 1

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

Controller Stream 1 - Properties

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

Controller Stream 1 - Optimisation

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

Phases

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

Library Stages

Controller Stream	Library Stage	Phases In Stage	User Stage Minimum (s)

1	**1**	A	1
1	**2**	B,C	1

Losing/ Gaining delays at each Controller Stream

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
1	**1**	(untitled)	Single	1,2	85,42

Resultant Stages

Controller Stream	Stage	Is Base Stage	Library Stage ID	Phases In This Stage	Stage Start (s)	Stage End (s)	Stage Duration (s)	User Stage Minimum (s)	Stage Minimum (s)
1	**1**	✓	1	A	56	85	29	1	7
1	**2**	✓	2	B,C	2	42	40	1	7

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
1	**A**	**1**	✓	56	85	29
1	**B**	**1**	✓	2	51	49
1	**C**	**1**	✓	2	42	40

Intergreen Matrix for Controller Stream 1

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

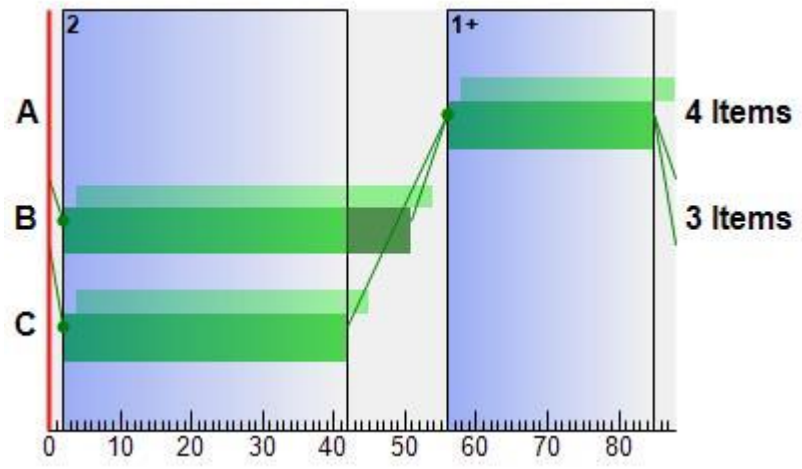
Interstage Matrix for Controller Stream 1

		To	
		1	**2**
From	**1**	0	5
	2	14	0

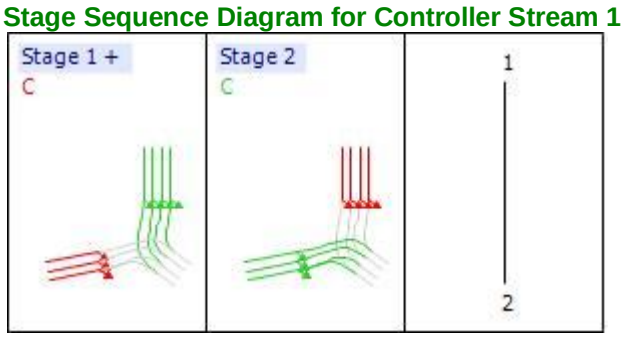
Banned Stage transitions for Controller Stream 1

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

Phase Timings Diagram for Controller Stream 1



Stage Sequence Diagram for Controller Stream 1



Controller Stream 2

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

Controller Stream 2 - Properties

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

Controller Stream 2 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
2	✓	✓	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	33,82

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	4	33	29	1	7
2	2	✓	2	B,C	38	82	44	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	✓	4	33	29
2	B	1	✓	38	87	49
2	C	1	✓	38	82	44

Intergreen Matrix for Controller Stream 2

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

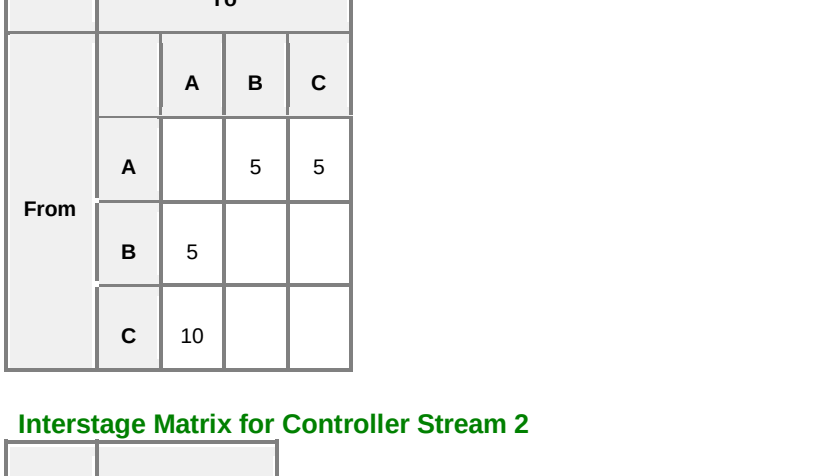
Interstage Matrix for Controller Stream 2

		To	
		1	2
From	1	0	5
	2	10	0

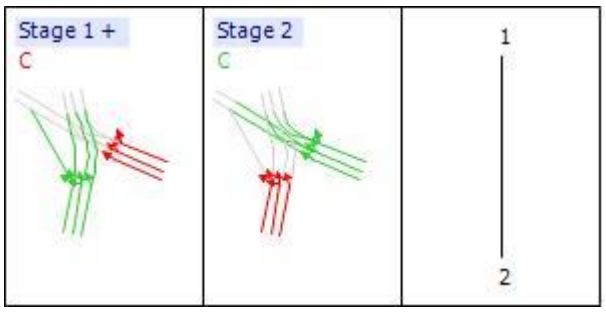
Banned Stage transitions for Controller Stream 2

		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	63,32

Resultant Stages

Controller Stream	Stage	Is Base Stage	Library Stage ID	Phases In This Stage	Stage Start (s)	Stage End (s)	Stage Duration (s)	User Stage Minimum (s)	Stage Minimum (s)
3	**1**	✓	1	A	46	63	17	1	7
3	**2**	✓	2	B,C	68	32	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**	✓	46	63	17

3	**B**	**1**	✓	68	41	61
3	**C**	**1**	✓	68	32	52

Intergreen Matrix for Controller Stream 3

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

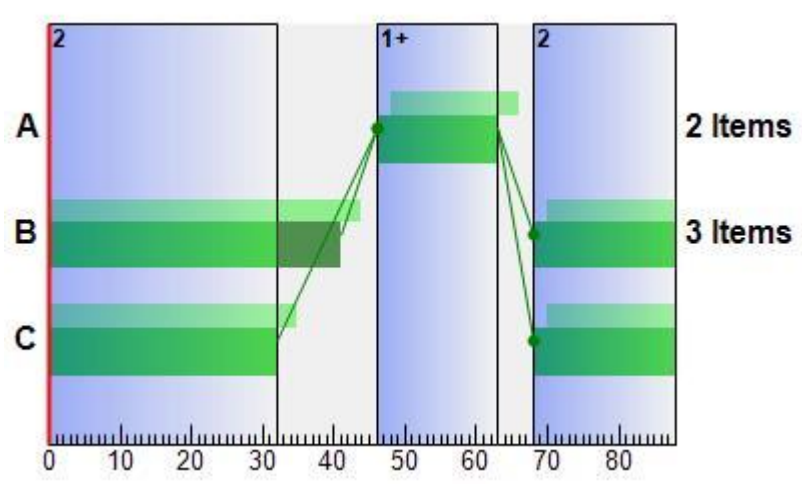
Interstage Matrix for Controller Stream 3

		To	
		1	**2**
From	**1**	0	5
	2	14	0

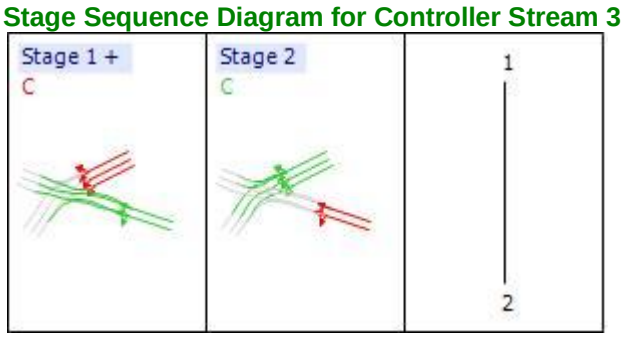
Banned Stage transitions for Controller Stream 3

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

Phase Timings Diagram for Controller Stream 3



Stage Sequence Diagram for Controller Stream 3



Controller Stream 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	45,55

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	66	45	67	1	7
5	**2**	✓	2	B	50	55	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**	✓	66	45	67
5	**B**	**1**	✓	50	55	5

Intergreen Matrix for Controller Stream 5

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

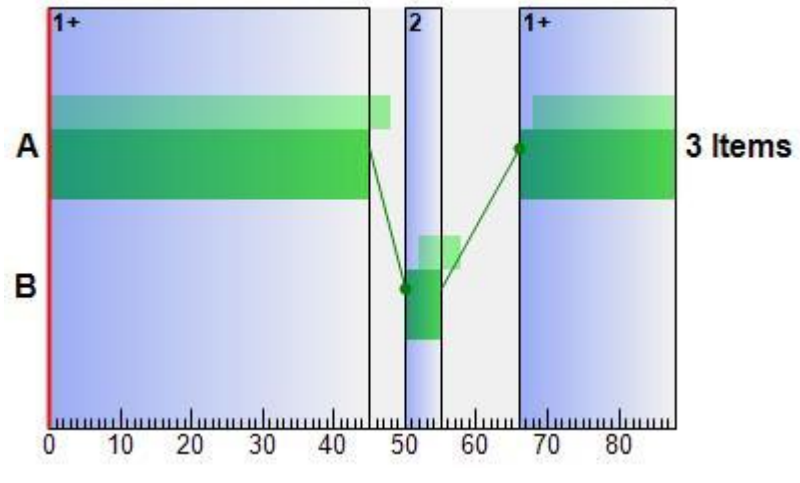
Interstage Matrix for Controller Stream 5

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

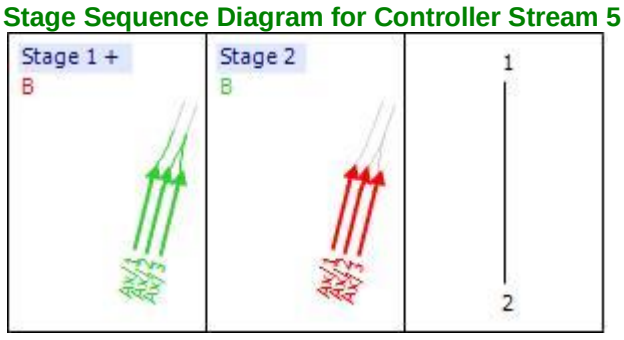
Banned Stage transitions for Controller Stream 5

	To		
From		1	2
	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	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)
6	**1**	✓	1	A	33	15	70	1	7
6	**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)
6	**A**	**1**	✓	33	15	70
6	**B**	**1**	✓	20	25	5

Intergreen Matrix for Controller Stream 6

		To	
		A	**B**
From	**A**		5
	B	8	

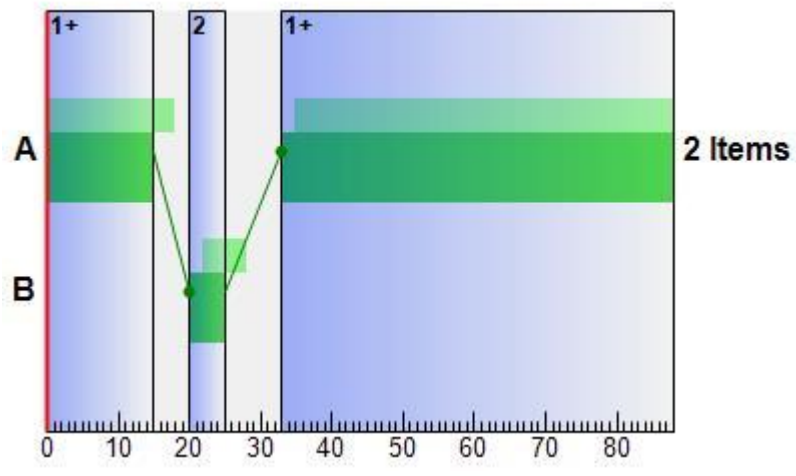
Interstage Matrix for Controller Stream 6

		To	
		1	**2**
From	**1**	0	5
	2	8	0

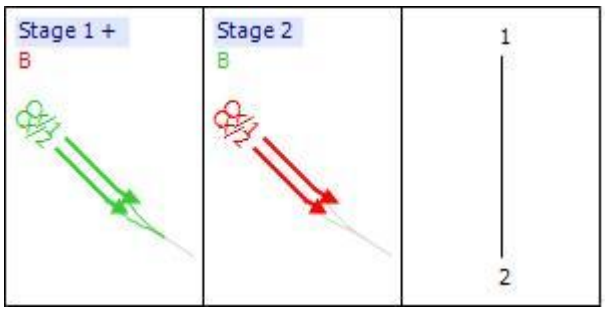
Banned Stage transitions for Controller Stream 6

		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	22,32

Resultant Stages

Controller Stream	Stage	Is Base Stage	Library Stage ID	Phases In This Stage	Stage Start (s)	Stage End (s)	Stage Duration (s)	User Stage Minimum (s)	Stage Minimum (s)
7	**1**	✓	1	A	42	22	68	1	7
7	**2**	✓	2	B	27	32	5	1	5

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
7	**A**	**1**	✓	42	22	68
7	**B**	**1**	✓	27	32	5

Intergreen Matrix for Controller Stream 7

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

	A		5
	B	10	

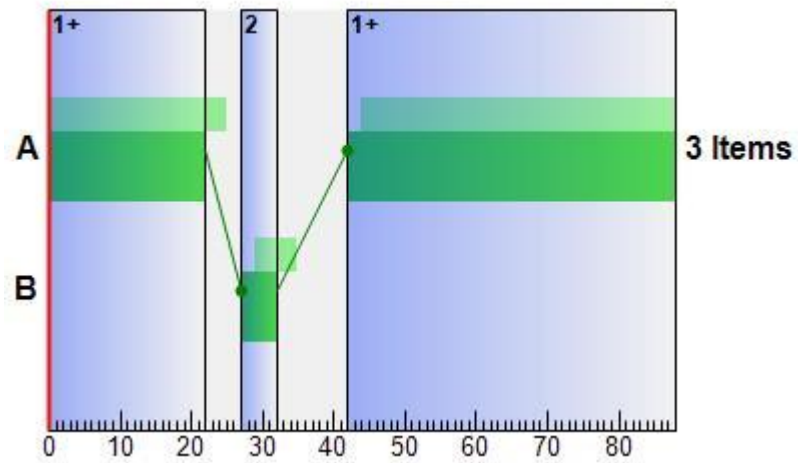
Interstage Matrix for Controller Stream 7

		To	
		1	**2**
From	**1**	0	5
	2	10	0

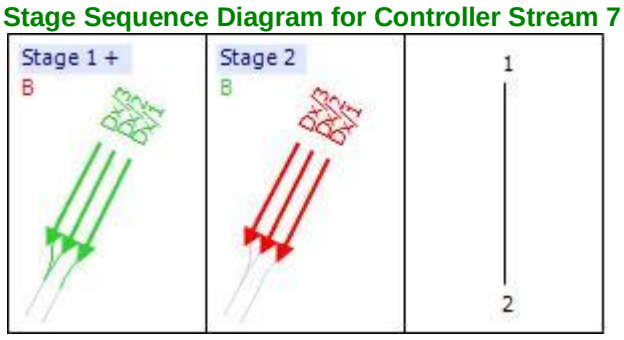
Banned Stage transitions for Controller Stream 7

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

Phase Timings Diagram for Controller Stream 7



Stage Sequence Diagram for Controller Stream 7



Final Prediction Table

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES		WEIGHTS		PENALTIES	P.I.
Arm	**Traffic Stream**	**Name**	**Traffic Node**	**Controller Stream**	**Phase**	**Calculated Flow Entering (PCU/hr)**	**Calculated Sat Flow (PCU/hr)**	**Actual Green (s (per cycle))**	**Wasted Time Total (s (per cycle))**	**Degree Of Saturation (%)**	**Practical Reserve Capacity (%)**	**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 Weighting Multiplier (%)**	**Stop Weighting Multiplier (%)**	**Cost Of Penalties (£ per hr)**	**P.I.**
1	**1**	(untitled)	5			1117	1800	88	0.00	62	45	4.03	1.63	0.00	0.50		100	100	0.00	7.17
1	**2**	(untitled)	5			1361	1800	88	0.00	76	19	5.47	3.07	0.00	1.16		100	100	0.00	16.48

2	**1**	(untitled)	14			776 <	1800	88	19.00	43	109	3.31	0.91	9.41	6.84 +		100	100	0.00	3.71
2	**2**	(untitled)	14			1386 <	1800	88	0.00	77	17	10.13	7.73	84.06	21.21 +		100	100	0.00	56.88
A	**1**	(untitled)	1	1	A	554	2128	29	0.00	76	18	45.67	33.67	95.35	13.21	10.13	40	0	0.00	29.43
A	**2**	(untitled)	1	1	A	563	2279	29	0.00	72	24	49.37	31.37	91.49	12.81	10.00	40	0	0.00	27.85
A	**3**	A38 North Entry	1	1	A	677	2279	29	0.00	87	3	59.86	41.86	107.13	18.18	13.67	40	0	0.00	44.72
A	**4**	(untitled)	1	1	A	684	2279	29	0.00	88	2	54.16	42.97	107.07	18.55	13.99	40	0	0.00	46.35
B	**1**	(untitled)	2			68	210	88	0.00	32	178	10.83	8.59	46.28	0.64		100	100	0.00	3.33
B	**2**	(untitled)	2			96	565	88	0.00	17	430	13.69	11.46	57.50	1.40		100	100	0.00	6.13
C	**1**	(untitled)	3	3	A	702	3663 f	17	8.00	94!	-4	72.94	61.75	121.58	22.05	19.13	40	0	0.00	68.40
C	**2**	(untitled)	3	3	A	704	3663 f	17	0.00	94!	-4	73.82	62.64	122.56	22.28	19.35	40	0	0.00	69.57
D	**1**	(untitled)	4	2	A	617	2159	29	0.00	84	7	55.63	38.85	100.41	15.95	12.01	40	0	0.00	37.82
D	**2**	(untitled)	4	2	A	664	2317	29	12.00	84	7	55.05	38.28	99.91	17.06	12.82	40	0	0.00	40.10
D	**3**	(untitled)	4	2	A	665	2317	29	12.00	84	7	55.17	38.39	100.09	17.10	12.85	40	0	0.00	40.28
E	**1**	(untitled)	5			462	436	88	0.00	106!	-15	173.51	158.60	216.00	28.97		40	100	0.00	146.22
E	**2**	(untitled)	5			922 <	872	88	18.00	106!	-15	153.58	138.67	204.58	52.73 +		40	100	0.00	259.66
F	**1**	(untitled)	11			903	2112	88	1.00	43	111	3.62	0.64	0.00	0.16		100	100	0.00	2.26
F	**2**	(untitled)	11			903	2112	88	1.00	43	111	3.62	0.64	0.00	0.16		100	100	0.00	2.26
G	**1**	(untitled)	11			1244 <	600	88	0.00	207!	-57	941.91	934.45	508.01	337.00 +		100	100	0.00	4684.16
I	**1**	(untitled)	13			319	582	88	0.00	55	64	11.18	3.72	0.00	0.33		100	100	0.00	4.68
A1	**1**	(untitled)	14			1329	2112	88	0.00	63	43	8.90	1.44	0.00	0.53		100	100	0.00	7.57
A1	**2**	(untitled)	14			1148	2263	88	0.00	51	77	8.27	0.82	0.00	0.26		100	100	0.00	3.70
Ac	**1**	(untitled)	1	1	B	500	2112	49	0.00	42	116	12.62	8.60	40.24	5.44	4.09	100	100	0.00	23.47
Ac	**2**	(untitled)	1	1	B	581 <	2263	49	0.00	45	99	14.18	10.15	49.22	7.53 +	5.35	100	100	0.00	32.57
Ac	**3**	(untitled)	1	1	B	513 <	2263	49	17.00	40	126	21.38	17.36	80.68	10.26 +	7.50	100	100	0.00	48.53
Ax	**1**	(untitled)	8	5	A	776	1965	67	7.00	51	76	9.28	3.68	29.17	7.48	3.27	100	100	0.00	24.36

Ax	**2**	(untitled)	8	5	A	919	2105	67	49.00	56	59	7.92	2.33	10.32	3.33	2.01	100	100	0.00	13.91
Ax	**3**	(untitled)	8	5	A	468	2105	67	51.00	29	213	8.00	2.41	23.32	3.83	2.08	100	100	0.00	10.74
Ax 1	**1**	A38 North Exit	10			1260	1800	88	0.00	70	29	14.47	2.47	10.81	9.42		100	100	0.00	13.97
Ax 1	**2**	A38 North Exit	10			903	1800	88	2.00	50	79	13.00	1.00	0.00	0.25		100	100	0.00	3.58
Bc	**1**	(untitled)	6			1053	1800	88	0.00	59	54	9.41	1.96	22.10	11.53		100	100	0.00	15.70
Bc	**2**	(untitled)	6			1144	1800	88	3.00	64	42	12.52	2.75	32.42	13.29		100	100	0.00	22.96
Bc	**3**	(untitled)	6			933	1800	88	20.00	52	74	13.28	2.53	44.67	16.81		100	100	0.00	15.39
Bc	**4**	(untitled)	6			940	1800	88	17.00	52	72	10.27	2.82	40.28	15.92		100	100	0.00	22.74
Bc 1	**1**	(untitled)	2			1021	1800	88	0.00	57	59	3.55	1.31	0.00	0.37		100	100	0.00	5.27
Bc 1	**2**	(untitled)	2			1144	1800	88	2.00	64	42	3.97	1.74	0.00	0.55		100	100	0.00	7.84
Bc 1	**3**	(untitled)	2			933	1800	88	18.00	52	74	3.31	1.08	0.00	0.28		100	100	0.00	3.96
Bc 1	**4**	(untitled)	2			940	1800	88	16.00	52	72	3.33	1.09	0.00	0.28		100	100	0.00	4.04
Bx	**1**	(untitled)				32	1800	88	80.00	2	4962	7.47	0.02	0.00	0.00		100	100	0.00	0.00
Cc	**1**	(untitled)	3	3	B	727	2059	61	0.00	50	80	6.40	1.56	5.04	1.11	0.97	100	100	0.00	5.65
Cc	**2**	(untitled)	3	3	B	953	2209	61	0.00	61	47	7.11	2.27	6.88	1.79	1.70	100	100	0.00	10.66
Cc	**3**	(untitled)	3	3	B	1016	2181	61	0.00	66	36	7.83	2.98	10.11	3.22	2.27	100	100	0.00	15.29
Cx	**1**	A4097 Kinsbury Road Exit	9	6	A	1089	2120	70	43.00	64	41	11.36	5.76	32.91	9.62	6.75	100	100	0.00	45.46
Cx	**2**	A4097 Kinsbury Road Exit	9	6	A	417	2120	70	43.00	24	269	7.29	1.70	18.68	2.65	1.77	100	100	0.00	7.30
Cx 1	**1**	(untitled)				1507 <	1800	88	0.00	84	8	16.99	9.54	79.68	38.33 +		100	100	0.00	95.67
Dc	**1**	(untitled)	4	2	B	320	2059	49	27.00	27	229	7.29	0.58	0.66	0.05	0.05	1000	1000	0.00	8.00
Dc	**2**	(untitled)	4	2	B	585	2172	49	4.00	47	90	18.59	11.88	38.12	5.51	5.24	100	100	0.00	34.65
Dc	**3**	(untitled)	4	2	B	516	2185	49	6.00	42	117	10.34	3.63	27.03	8.29	1.26	100	100	0.00	11.91
Dx	**1**	(untitled)	7	7	A	1109 <	1915	68	2.00	74	22	9.85	6.72	41.63	15.24 +	5.74	100	100	0.00	56.04
Dx	**2**	(untitl	7	7	A	953	2055	68	18.00	59	52	9.23	6.09	27.9	6.57	6.43	100	100	0.00	38.31

		ed)												7					
Dx	**3**	(untitled)	7	7	A	619	2055	68	20.00	38	134	8.41	5.28	31.26	4.84	4.71	100	100	0.00	24.05
Dx 1	**1**	A38 South Exit				1109	2155	88	12.00	51	75	14.87	0.88	0.00	0.27		100	100	0.00	3.86
Dx 1	**2**	A38 South Exit				1572	2155	88	5.00	73	23	18.18	4.20	45.69	22.46		100	100	0.00	67.51
Ec	**1**	(untitled)	5			603	1800	88	6.00	33	169	5.19	0.50	0.00	0.08		100	100	0.00	1.19
Ec	**2**	(untitled)	5			919 <	1800	88	10.00	51	76	7.44	3.08	44.08	15.66 +		100	100	88.81	113.05
Ec	**3**	(untitled)	5			927 <	1800	88	14.00	51	75	6.81	3.08	43.76	15.69 +		100	100	88.96	113.40
Ex	**1**	(untitled)				589	1800	88	26.00	33	175	7.94	0.49	0.57	0.59		100	100	0.00	1.24
Ex	**2**	(untitled)				330	1800	88	32.00	18	390	7.68	0.23	0.36	1.03		100	100	0.00	0.33
Fx	**1**	(untitled)	13			1010	2112	88	0.00	48	88	3.76	0.78	0.00	0.22		100	100	0.00	3.11
Fx	**2**	(untitled)	13			1148	2112	88	0.00	54	66	4.00	1.01	0.00	0.32		100	100	0.00	4.59
Gx	**1**	(untitled)				357	1980	88	2.00	18	399	7.66	0.20	0.00	0.02		100	100	0.00	0.28
H-1	**1**	(untitled)	12			2400 <	2112	88	0.00	114!	-21	228.79	221.33	76.52	147.55 +		100	100	0.00	2147.75
H-1	**2**	(untitled)	12			1148	2263	88	0.00	51	77	8.27	0.82	0.00	0.26		100	100	0.00	3.70
Hx	**1**	(untitled)				1502	2112	88	0.00	71	27	9.55	2.09	0.00	0.87		100	100	0.00	12.38
Hx	**2**	(untitled)				903	2263	88	0.00	40	126	7.98	0.53	0.00	0.13		100	100	0.00	1.88
Ix	**1**	(untitled)				1102	1980	88	0.00	56	62	8.59	1.14	0.00	0.35		100	100	0.00	4.95

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	5576.33	751.30	7.42	71.82	565.74	7977.27	554.93	177.77	8709.98
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)	5576.33	751.30	7.42	71.82	565.74	7977.27	554.93	177.77	8709.98

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

- *P.I. = PERFORMANCE INDEX*

Traffic Stream Results

Traffic Stream Results: Vehicle Summary

Time Segment	Arm	Traffic Stream	Degree Of Saturation (%)	Practical Reserve Capacity (%)	Calculated Flow Entering (PCU/hr)	Calculated Sat Flow (PCU/hr)	Actual Green (s (per cycle))	Mean Delay Per PCU (s)	Mean Max Queue (PCU)	Utilised Storage (%)	Weighted Cost Of Delay (£ per hr)	Weighted Cost Of Stops (£ per hr)	Performance Index (£ per hr)
08:00-09:00	1	1	62	45	1117	1800	88	1.63	0.50	14.52	7.17	0.00	7.17
08:00-09:00	1	2	76	19	1361	1800	88	3.07	1.16	33.37	16.48	0.00	16.48
08:00-09:00	2	1	43	109	776	1800	88	0.91	6.84	196.63	2.80	0.92	3.71
08:00-09:00	2	2	77	17	1386	1800	88	7.73	21.21	609.78	42.27	14.61	56.88
08:00-09:00	A	1	76	18	554	2128	29	33.67	13.21	75.93	29.43	0.00	29.43
08:00-09:00	A	2	72	24	563	2279	29	31.37	12.81	49.12	27.85	0.00	27.85
08:00-09:00	A	3	87	3	677	2279	29	41.86	18.18	69.70	44.72	0.00	44.72
08:00-09:00	A	4	88	2	684	2279	29	42.97	18.55	71.09	46.35	0.00	46.35
08:00-09:00	B	1	32	178	68	210	88	8.59	0.64	12.33	2.31	1.02	3.33
08:00-09:00	B	2	17	430	96	565	88	11.46	1.40	26.91	4.34	1.79	6.13
08:00-09:00	C	1	94!	-4	702	3663	17	61.75	22.05	63.40	68.40	0.00	68.40
08:00-09:00	C	2	94!	-4	704	3663	17	62.64	22.28	64.06	69.57	0.00	69.57
08:00-09:00	D	1	84	7	617	2159	29	38.85	15.95	30.58	37.82	0.00	37.82
08:00-09:00	D	2	84	7	664	2317	29	38.28	17.06	32.69	40.10	0.00	40.10
08:00-09:00	D	3	84	7	665	2317	29	38.39	17.10	32.78	40.28	0.00	40.28
08:00-09:00	E	1	106!	-15	462	436	88	158.60	28.97	83.29	115.61	30.61	146.22
08:00-09:00	E	2	106!	-15	922	872	88	138.67	52.73	151.61	201.72	57.93	259.66
08:00-09:00	F	1	43	111	903	2112	88	0.64	0.16	2.29	2.26	0.00	2.26
08:00-09:00	F	2	43	111	903	2112	88	0.64	0.16	2.29	2.26	0.00	2.26
08:00-09:00	G	1	207!	-57	1244	600	88	934.45	337.00	1937.73	4585.24	98.91	4684.16
08:00-09:00	I	1	55	64	319	582	88	3.72	0.33	1.89	4.68	0.00	4.68

08:00-09:00	**A1**	**1**	63	43	1329	2112	88	1.44	0.53	3.06	7.57	0.00	7.57
08:00-09:00	**A1**	**2**	51	77	1148	2263	88	0.82	0.26	1.50	3.70	0.00	3.70
08:00-09:00	**Ac**	**1**	42	116	500	2112	49	8.60	5.44	77.69	16.94	6.53	23.47
08:00-09:00	**Ac**	**2**	45	99	581	2263	49	10.15	7.53	107.51	23.28	9.29	32.57
08:00-09:00	**Ac**	**3**	40	126	513	2263	49	17.36	10.26	146.58	35.10	13.43	48.53
08:00-09:00	**Ax**	**1**	51	76	776	1965	67	3.68	7.48	42.99	11.28	13.07	24.36
08:00-09:00	**Ax**	**2**	56	59	919	2105	67	2.33	3.33	19.12	8.44	5.47	13.91
08:00-09:00	**Ax**	**3**	29	213	468	2105	67	2.41	3.83	22.00	4.44	6.29	10.74
08:00-09:00	**Ax1**	**1**	70	29	1260	1800	88	2.47	9.42	54.18	12.27	1.71	13.97
08:00-09:00	**Ax1**	**2**	50	79	903	1800	88	1.00	0.25	1.45	3.58	0.00	3.58
08:00-09:00	**Bc**	**1**	59	54	1053	1800	88	1.96	11.53	66.32	8.14	7.56	15.70
08:00-09:00	**Bc**	**2**	64	42	1144	1800	88	2.75	13.29	76.40	12.43	10.54	22.96
08:00-09:00	**Bc**	**3**	52	74	933	1800	88	2.53	16.81	96.68	9.31	6.08	15.39
08:00-09:00	**Bc**	**4**	52	72	940	1800	88	2.82	15.92	91.52	10.45	12.29	22.74
08:00-09:00	**Bc1**	**1**	57	59	1021	1800	88	1.31	0.37	7.12	5.27	0.00	5.27
08:00-09:00	**Bc1**	**2**	64	42	1144	1800	88	1.74	0.55	10.59	7.84	0.00	7.84
08:00-09:00	**Bc1**	**3**	52	74	933	1800	88	1.08	0.28	5.34	3.96	0.00	3.96
08:00-09:00	**Bc1**	**4**	52	72	940	1800	88	1.09	0.28	5.46	4.04	0.00	4.04
08:00-09:00	**Bx**	**1**	2	4962	32	1800	88	0.02	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Cc**	**1**	50	80	727	2059	61	1.56	1.11	18.55	4.46	1.19	5.65
08:00-09:00	**Cc**	**2**	61	47	953	2209	61	2.27	1.79	29.76	8.53	2.13	10.66
08:00-09:00	**Cc**	**3**	66	36	1016	2181	61	2.98	3.22	53.60	11.96	3.33	15.29
08:00-09:00	**Cx**	**1**	64	41	1089	2120	70	5.76	9.62	55.31	24.77	20.70	45.46
08:00-09:00	**Cx**	**2**	24	269	417	2120	70	1.70	2.65	15.21	2.80	4.50	7.30
08:00-09:00	**Cx1**	**1**	84	8	1507	1800	88	9.54	38.33	220.41	56.69	38.99	95.67
08:00-	**Dc**	**1**	27	229	320	2059	49	0.58	0.05	0.33	7.31	0.68	8.00

09:00													
08:00-09:00	**Dc**	**2**	47	90	585	2172	49	11.88	5.51	35.23	27.40	7.24	34.65
08:00-09:00	**Dc**	**3**	42	117	516	2185	49	3.63	8.29	52.97	7.38	4.53	11.91
08:00-09:00	**Dx**	**1**	74	22	1109	1915	68	6.72	15.24	156.46	29.40	26.64	56.04
08:00-09:00	**Dx**	**2**	59	52	953	2055	68	6.09	6.57	67.44	22.92	15.40	38.31
08:00-09:00	**Dx**	**3**	38	134	619	2055	68	5.28	4.84	49.69	12.88	11.17	24.05
08:00-09:00	**Dx1**	**1**	51	75	1109	2155	88	0.88	0.27	0.63	3.86	0.00	3.86
08:00-09:00	**Dx1**	**2**	73	23	1572	2155	88	4.20	22.46	51.67	26.03	41.47	67.51
08:00-09:00	**Ec**	**1**	33	169	603	1800	88	0.50	0.08	0.97	1.19	0.00	1.19
08:00-09:00	**Ec**	**2**	51	76	919	1800	88	3.08	15.66	180.09	11.16	13.09	113.05
08:00-09:00	**Ec**	**3**	51	75	927	1800	88	3.08	15.69	180.39	11.26	13.17	113.40
08:00-09:00	**Ex**	**1**	33	175	589	1800	88	0.49	0.59	3.36	1.13	0.11	1.24
08:00-09:00	**Ex**	**2**	18	390	330	1800	88	0.23	1.03	5.95	0.30	0.04	0.33
08:00-09:00	**Fx**	**1**	48	88	1010	2112	88	0.78	0.22	3.15	3.11	0.00	3.11
08:00-09:00	**Fx**	**2**	54	66	1148	2112	88	1.01	0.32	4.64	4.59	0.00	4.59
08:00-09:00	**Gx**	**1**	18	399	357	1980	88	0.20	0.02	0.11	0.28	0.00	0.28
08:00-09:00	**H-1**	**1**	114!	-21	2400	2112	88	221.33	147.55	848.44	2095.27	52.48	2147.75
08:00-09:00	**H-1**	**2**	51	77	1148	2263	88	0.82	0.26	1.50	3.70	0.00	3.70
08:00-09:00	**Hx**	**1**	71	27	1502	2112	88	2.09	0.87	5.01	12.38	0.00	12.38
08:00-09:00	**Hx**	**2**	40	126	903	2263	88	0.53	0.13	0.76	1.88	0.00	1.88
08:00-09:00	**Ix**	**1**	56	62	1102	1980	88	1.14	0.35	2.00	4.95	0.00	4.95

Traffic Stream Results: Flows And Signals

Time Segment	Arm	Traffic Stream	Calculated Flow Entering (PCU/hr)	Calculated Flow Out (PCU/hr)	Flow Discrepancy (PCU/hr)	Adjusted Flow Warning	Calculated Sat Flow (PCU/hr)	Calculated Capacity (PCU/hr)	Degree Of Saturation (%)	DOS Threshold Exceeded	Practical Reserve Capacity (%)	Mean Modulus Of Error	Actual Green (s (per cycle))	Effective Green (s (per cycle))
08:00-09:00	**1**	**1**	1117	1117	62	✓	1800	1800	62		45	0.00	88	88
08:00-09:00	**1**	**2**	1361	1361	72	✓	1800	1800	76		19	0.00	88	88
08:00-09:00	**2**	**1**	776	776	9	✓	1800	1800	43		109	0.69	88	88

08:00-09:00	**2**	**2**	1386	1386	-6	✓	1800	1800	77		17	0.79	88	88
08:00-09:00	**A**	**1**	554	554	32	✓	2128	725	76		18	0.00	29	30
08:00-09:00	**A**	**2**	563	563	30	✓	2279	777	72		24	0.00	29	30
08:00-09:00	**A**	**3**	677	677	39	✓	2279	777	87		3	0.00	29	30
08:00-09:00	**A**	**4**	684	684	33	✓	2279	777	88		2	0.00	29	30
08:00-09:00	**B**	**1**	68	68	0		210	210	32		178	0.00	88	88
08:00-09:00	**B**	**2**	96	96	-5	✓	565	565	17		430	0.00	88	88
08:00-09:00	**C**	**1**	702	702	0		3663	749	94!	✓	-4	0.00	17	18
08:00-09:00	**C**	**2**	704	704	-2		3663	749	94!	✓	-4	0.00	17	18
08:00-09:00	**D**	**1**	617	617	1		2159	736	84		7	0.00	29	30
08:00-09:00	**D**	**2**	664	664	0		2317	790	84		7	0.00	29	30
08:00-09:00	**D**	**3**	665	665	-1		2317	790	84		7	0.00	29	30
08:00-09:00	**E**	**1**	462	436	0		436	436	106!	✓	-15	0.00	88	88
08:00-09:00	**E**	**2**	922	872	1		872	872	106!	✓	-15	0.00	88	88
08:00-09:00	**F**	**1**	903	903	1	✓	2112	2112	43		111	0.38	88	88
08:00-09:00	**F**	**2**	903	903	1	✓	2112	2112	43		111	0.38	88	88
08:00-09:00	**G**	**1**	1244	600	0		600	600	207!	✓	-57	0.00	88	88
08:00-09:00	**I**	**1**	319	319	-2		582	582	55		64	0.00	88	88
08:00-09:00	**A1**	**1**	1329	1329	135	✓	2112	2112	63		43	0.00	88	88
08:00-09:00	**A1**	**2**	1148	1148	-1		2263	2263	51		77	0.00	88	88
08:00-09:00	**Ac**	**1**	500	500	15	✓	2112	1200	42		116	0.23	49	50
08:00-09:00	**Ac**	**2**	581	581	21	✓	2263	1286	45		99	0.21	49	50
08:00-09:00	**Ac**	**3**	513	513	30	✓	2263	1286	40		126	0.75	49	50
08:00-09:00	**Ax**	**1**	776	776	9	✓	1965	1518	51		76	0.41	67	68
08:00-09:00	**Ax**	**2**	919	919	-2	✓	2105	1627	56		59	0.68	67	68
08:00-	**Ax**	**3**	468	468	-3	✓	2105	1627	29		213	0.56	67	68

09:00														
08:00-09:00	**Ax1**	**1**	1260	1260	1	✓	1800	1800	70		29	0.34	88	88
08:00-09:00	**Ax1**	**2**	903	903	1	✓	1800	1800	50		79	0.39	88	88
08:00-09:00	**Bc**	**1**	1053	1053	47	✓	1800	1800	59		54	0.55	88	88
08:00-09:00	**Bc**	**2**	1144	1144	51	✓	1800	1800	64		42	0.56	88	88
08:00-09:00	**Bc**	**3**	933	933	54	✓	1800	1800	52		74	0.80	88	88
08:00-09:00	**Bc**	**4**	940	940	48	✓	1800	1800	52		72	0.78	88	88
08:00-09:00	**Bc1**	**1**	1021	1021	47	✓	1800	1800	57		59	0.51	88	88
08:00-09:00	**Bc1**	**2**	1144	1144	51	✓	1800	1800	64		42	0.49	88	88
08:00-09:00	**Bc1**	**3**	933	933	54	✓	1800	1800	52		74	0.79	88	88
08:00-09:00	**Bc1**	**4**	940	940	48	✓	1800	1800	52		72	0.70	88	88
08:00-09:00	**Bx**	**1**	32	32	0	✓	1800	1800	2		4962	0.48	88	88
08:00-09:00	**Cc**	**1**	727	727	41	✓	2059	1451	50		80	0.75	61	62
08:00-09:00	**Cc**	**2**	953	953	54	✓	2209	1556	61		47	0.75	61	62
08:00-09:00	**Cc**	**3**	1016	1016	43	✓	2181	1537	66		36	0.58	61	62
08:00-09:00	**Cx**	**1**	1089	1089	47	✓	2120	1710	64		41	0.40	70	71
08:00-09:00	**Cx**	**2**	417	417	10	✓	2120	1710	24		269	0.42	70	71
08:00-09:00	**Cx1**	**1**	1507	1507	57	✓	1800	1800	84		8	0.50	88	88
08:00-09:00	**Dc**	**1**	320	320	0		2059	1170	27		229	1.51	49	50
08:00-09:00	**Dc**	**2**	585	585	12	✓	2172	1234	47		90	0.64	49	50
08:00-09:00	**Dc**	**3**	516	516	-4	✓	2185	1241	42		117	1.20	49	50
08:00-09:00	**Dx**	**1**	1109	1109	41	✓	1915	1502	74		22	0.49	68	69
08:00-09:00	**Dx**	**2**	953	953	54	✓	2055	1611	59		52	0.77	68	69
08:00-09:00	**Dx**	**3**	619	619	33	✓	2055	1611	38		134	0.68	68	69
08:00-09:00	**Dx1**	**1**	1109	1109	41	✓	2155	2155	51		75	0.50	88	88
08:00-09:00	**Dx1**	**2**	1572	1572	87	✓	2155	2155	73		23	0.61	88	88

08:00-09:00	**Ec**	**1**	603	603	-1	✓	1800	1800	33		169	0.75	88	88
08:00-09:00	**Ec**	**2**	919	919	-2	✓	1800	1800	51		76	0.81	88	88
08:00-09:00	**Ec**	**3**	927	927	-3	✓	1800	1800	51		75	0.81	88	88
08:00-09:00	**Ex**	**1**	589	589	0		1800	1800	33		175	0.83	88	88
08:00-09:00	**Ex**	**2**	330	330	15	✓	1800	1800	18		390	0.96	88	88
08:00-09:00	**Fx**	**1**	1010	1010	137	✓	2112	2112	48		88	0.00	88	88
08:00-09:00	**Fx**	**2**	1148	1148	-1		2112	2112	54		66	0.00	88	88
08:00-09:00	**Gx**	**1**	357	357	0	✓	1980	1980	18		399	0.25	88	88
08:00-09:00	**H-1**	**1**	2400	2112	-1		2112	2112	114!	✓	-21	0.00	88	88
08:00-09:00	**H-1**	**2**	1148	1148	-1		2263	2263	51		77	0.00	88	88
08:00-09:00	**Hx**	**1**	1502	1502	646	✓	2112	2112	71		27	0.18	88	88
08:00-09:00	**Hx**	**2**	903	903	1	✓	2263	2263	40		126	0.36	88	88
08:00-09:00	**Ix**	**1**	1102	1102	150	✓	1980	1980	56		62	0.00	88	88

Traffic Stream Results: Stops And Delays

Time Segment	Arm	Traffic Stream	Mean Cruise Time Per PCU (s)	Mean Delay Per PCU (s)	Uniform Delay (PCU-hr/hr)	Random Plus Oversat Delay (PCU-hr/hr)	Unweighted Cost Of Delay (£ per hr)	Weighted Cost Of Delay (£ per hr)	Mean Stops Per PCU (%)	Uniform Stops (Stops per hr)	Random Stops (Stops per hr)	Unweighted Cost Of Stops (£ per hr)	Weighted Cost Of Stops (£ per hr)
08:00-09:00	**1**	**1**	2.40	1.63	0.00	0.50	7.17	7.17	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**1**	**2**	2.40	3.07	0.00	1.16	16.48	16.48	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**2**	**1**	2.40	0.91	0.03	0.16	2.80	2.80	9.41	66.40	6.67	0.92	0.92
08:00-09:00	**2**	**2**	2.40	7.73	1.70	1.28	42.27	42.27	84.06	1062.54	102.50	14.61	14.61
08:00-09:00	**A**	**1**	12.00	33.67	3.98	1.20	73.57	29.43	95.35	479.93	48.20	6.62	0.00
08:00-09:00	**A**	**2**	18.00	31.37	3.97	0.94	69.62	27.85	91.49	477.10	37.65	6.45	0.00
08:00-09:00	**A**	**3**	18.00	41.86	5.12	2.76	111.80	44.72	107.13	617.22	108.23	9.10	0.00
08:00-09:00	**A**	**4**	11.18	42.97	5.18	2.98	115.87	46.35	107.07	615.43	116.45	23.77	0.00
08:00-09:00	**B**	**1**	2.24	8.59	0.09	0.08	2.31	2.31	46.28	25.33	6.14	1.02	1.02
08:00-09:00	**B**	**2**	2.24	11.46	0.29	0.02	4.34	4.34	57.50	54.49	0.71	1.79	1.79

08:00-09:00	**C**	**1**	11.19	61.75	6.57	5.48	170.99	68.40	121.58	646.45	207.05	49.27	0.00
08:00-09:00	**C**	**2**	11.19	62.64	6.59	5.66	173.94	69.57	122.56	649.28	213.51	49.81	0.00
08:00-09:00	**D**	**1**	16.78	38.85	4.59	2.07	94.55	37.82	100.41	537.60	81.90	35.76	0.00
08:00-09:00	**D**	**2**	16.78	38.28	4.94	2.12	100.25	40.10	99.91	579.51	83.86	38.29	0.00
08:00-09:00	**D**	**3**	16.78	38.39	4.95	2.14	100.71	40.28	100.09	580.90	84.70	38.42	0.00
08:00-09:00	**E**	**1**	14.91	158.60	1.93	18.42	289.01	115.61	216.00	427.35	515.28	30.61	30.61
08:00-09:00	**E**	**2**	14.91	138.67	3.86	31.66	504.31	201.72	204.58	853.56	930.44	57.93	57.93
08:00-09:00	**F**	**1**	2.98	0.64	0.00	0.16	2.26	2.26	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**F**	**2**	2.98	0.64	0.00	0.16	2.26	2.26	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**G**	**1**	7.46	934.45	0.23	322.67	4585.24	4585.24	508.01	570.27	2475.65	98.91	98.91
08:00-09:00	**I**	**1**	7.46	3.72	0.00	0.33	4.68	4.68	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**A1**	**1**	7.46	1.44	0.00	0.53	7.57	7.57	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**A1**	**2**	7.46	0.82	0.00	0.26	3.70	3.70	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Ac**	**1**	4.03	8.60	1.04	0.15	16.94	16.94	40.24	195.00	6.05	6.53	6.53
08:00-09:00	**Ac**	**2**	4.03	10.15	1.45	0.19	23.28	23.28	49.22	278.59	7.60	9.29	9.29
08:00-09:00	**Ac**	**3**	4.03	17.36	2.34	0.13	35.10	35.10	80.68	408.19	5.39	13.43	13.43
08:00-09:00	**Ax**	**1**	5.59	3.68	0.53	0.27	11.28	11.28	29.17	215.61	10.88	13.07	13.07
08:00-09:00	**Ax**	**2**	5.59	2.33	0.23	0.37	8.44	8.44	10.32	79.94	14.88	5.47	5.47
08:00-09:00	**Ax**	**3**	5.59	2.41	0.25	0.06	4.44	4.44	23.32	106.66	2.37	6.29	6.29
08:00-09:00	**Ax1**	**1**	12.00	2.47	0.05	0.81	12.27	12.27	10.81	103.24	32.98	1.71	1.71
08:00-09:00	**Ax1**	**2**	12.00	1.00	0.00	0.25	3.58	3.58	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Bc**	**1**	7.46	1.96	0.16	0.41	8.14	8.14	22.10	199.35	33.43	7.56	7.56
08:00-09:00	**Bc**	**2**	9.77	2.75	0.32	0.55	12.43	12.43	32.42	326.16	44.74	10.54	10.54
08:00-09:00	**Bc**	**3**	10.75	2.53	0.38	0.28	9.31	9.31	44.67	405.65	11.37	6.08	6.08
08:00-09:00	**Bc**	**4**	7.46	2.82	0.45	0.28	10.45	10.45	40.28	366.95	11.61	12.29	12.29
08:00-	**Bc1**	**1**	2.24	1.31	0.00	0.37	5.27	5.27	0.00	0.00	0.00	0.00	0.00

09:00													
08:00-09:00	**Bc1**	**2**	2.24	1.74	0.00	0.55	7.84	7.84	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Bc1**	**3**	2.24	1.08	0.00	0.28	3.96	3.96	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Bc1**	**4**	2.24	1.09	0.00	0.28	4.04	4.04	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Bx**	**1**	7.46	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Cc**	**1**	4.85	1.56	0.06	0.25	4.46	4.46	5.04	26.41	10.23	1.19	1.19
08:00-09:00	**Cc**	**2**	4.85	2.27	0.12	0.48	8.53	8.53	6.88	45.99	19.65	2.13	2.13
08:00-09:00	**Cc**	**3**	4.85	2.98	0.20	0.64	11.96	11.96	10.11	76.61	26.08	3.33	3.33
08:00-09:00	**Cx**	**1**	5.59	5.76	1.19	0.56	24.77	24.77	32.91	335.88	22.65	20.70	20.70
08:00-09:00	**Cx**	**2**	5.59	1.70	0.16	0.04	2.80	2.80	18.68	76.36	1.61	4.50	4.50
08:00-09:00	**Cx1**	**1**	7.46	9.54	1.88	2.11	56.69	56.69	79.68	1115.56	85.06	38.99	38.99
08:00-09:00	**Dc**	**1**	6.71	0.58	0.00	0.05	0.73	7.31	0.66	0.00	2.10	0.07	0.68
08:00-09:00	**Dc**	**2**	6.71	11.88	1.72	0.21	27.40	27.40	38.12	214.31	8.69	7.24	7.24
08:00-09:00	**Dc**	**3**	6.71	3.63	0.37	0.15	7.38	7.38	27.03	127.50	12.01	4.53	4.53
08:00-09:00	**Dx**	**1**	3.13	6.72	1.04	1.03	29.40	29.40	41.63	419.71	41.84	26.64	26.64
08:00-09:00	**Dx**	**2**	3.13	6.09	1.19	0.43	22.92	22.92	27.97	249.30	17.41	15.40	15.40
08:00-09:00	**Dx**	**3**	3.13	5.28	0.79	0.12	12.88	12.88	31.26	188.54	4.88	11.17	11.17
08:00-09:00	**Dx1**	**1**	13.98	0.88	0.00	0.27	3.86	3.86	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Dx1**	**2**	13.98	4.20	0.85	0.98	26.03	26.03	45.69	639.40	79.06	41.47	41.47
08:00-09:00	**Ec**	**1**	4.69	0.50	0.00	0.08	1.19	1.19	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Ec**	**2**	4.36	3.08	0.52	0.27	11.16	11.16	44.08	394.10	10.83	13.09	13.09
08:00-09:00	**Ec**	**3**	3.73	3.08	0.52	0.27	11.26	11.26	43.76	394.32	11.11	13.17	13.17
08:00-09:00	**Ex**	**1**	7.46	0.49	0.00	0.08	1.13	1.13	0.57	0.12	3.25	0.11	0.11
08:00-09:00	**Ex**	**2**	7.46	0.23	0.00	0.02	0.30	0.30	0.36	0.35	0.84	0.04	0.04
08:00-09:00	**Fx**	**1**	2.98	0.78	0.00	0.22	3.11	3.11	0.00	0.00	0.00	0.00	0.00
08:00-09:00	**Fx**	**2**	2.98	1.01	0.00	0.32	4.59	4.59	0.00	0.00	0.00	0.00	0.00

08:00-09:00	Gx	1	7.46	0.20	0.00	0.02	0.28	0.28	0.00	0.00	0.00	0.00	0.00
08:00-09:00	H-1	1	7.46	221.33	0.00	147.55	2095.27	2095.27	76.52	1616.00	0.00	52.48	52.48
08:00-09:00	H-1	2	7.46	0.82	0.00	0.26	3.70	3.70	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Hx	1	7.46	2.09	0.00	0.87	12.38	12.38	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Hx	2	7.46	0.53	0.00	0.13	1.88	1.88	0.00	0.00	0.00	0.00	0.00
08:00-09:00	Ix	1	7.46	1.14	0.00	0.35	4.95	4.95	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	0.50	3.48	14.52	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	1	2	0.00	1.16	3.48	33.37	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	2	1	0.00	6.84	3.48	196.63	0.16	0.00	0.00			19.00	0.00	19.00	
08:00-09:00	2	2	0.00	21.21	3.48	609.78	6.32	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	A	1	0.00	13.21	17.39	75.93	0.00	0.00	0.00	1.20	10.13	0.00	0.00	0.00	
08:00-09:00	A	2	0.00	12.81	26.09	49.12	0.00	0.00	0.00	0.94	10.00	0.00	0.00	0.00	
08:00-09:00	A	3	0.00	18.18	26.09	69.70	0.00	0.00	0.00	2.76	13.67	0.00	0.00	0.00	
08:00-09:00	A	4	0.00	18.55	26.09	71.09	0.00	0.00	0.00	2.98	13.99	0.00	0.00	0.00	
08:00-09:00	B	1	0.00	0.64	5.22	12.33	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	B	2	0.00	1.40	5.22	26.91	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	C	1	0.00	22.05	34.78	63.40	0.00	0.00	0.00	5.48	19.13	0.00	8.00	8.00	
08:00-09:00	C	2	0.00	22.28	34.78	64.06	0.00	0.00	0.00	5.66	19.35	0.00	0.00	0.00	
08:00-09:00	D	1	0.00	15.95	52.17	30.58	0.00	0.00	0.00	2.07	12.01	0.00	0.00	0.00	
08:00-09:00	D	2	0.00	17.06	52.17	32.69	0.00	0.00	0.00	2.12	12.82	0.00	12.00	12.00	
08:00-09:00	D	3	0.00	17.10	52.17	32.78	0.00	0.00	0.00	2.14	12.85	0.00	12.00	12.00	
08:00-09:00	E	1	0.00	28.97	34.78	83.29	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	E	2	0.00	52.73	34.78	151.61	7.66	0.00	0.00			0.00	18.00	18.00	

08:00-09:00	**F**	**1**	0.00	0.16	6.96	2.29	0.00	0.00	0.00			1.00	0.00	1.00	
08:00-09:00	**F**	**2**	0.00	0.16	6.96	2.29	0.00	0.00	0.00			1.00	0.00	1.00	
08:00-09:00	**G**	**1**	0.00	337.00	17.39	1937.73	312.36	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	**I**	**1**	0.00	0.33	17.39	1.89	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	**A1**	**1**	0.00	0.53	17.39	3.06	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	**A1**	**2**	0.00	0.26	17.39	1.50	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	**Ac**	**1**	0.00	5.44	7.00	77.69	0.00	0.00	0.00	0.15	4.09	0.00	0.00	0.00	
08:00-09:00	**Ac**	**2**	0.00	7.53	7.00	107.51	0.01	0.01	0.00	0.19	5.35	0.00	0.00	0.00	
08:00-09:00	**Ac**	**3**	0.00	10.26	7.00	146.58	0.46	0.46	0.00	0.13	7.50	17.00	0.00	17.00	
08:00-09:00	**Ax**	**1**	0.00	7.48	17.39	42.99	0.00	0.00	0.00	0.27	3.27	0.00	7.00	7.00	
08:00-09:00	**Ax**	**2**	0.00	3.33	17.39	19.12	0.00	0.00	0.00	0.37	2.01	1.00	48.00	49.00	
08:00-09:00	**Ax**	**3**	0.00	3.83	17.39	22.00	0.00	0.00	0.00	0.06	2.08	3.00	48.00	51.00	
08:00-09:00	**Ax1**	**1**	0.00	9.42	17.39	54.18	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	**Ax1**	**2**	0.00	0.25	17.39	1.45	0.00	0.00	0.00			2.00	0.00	2.00	
08:00-09:00	**Bc**	**1**	0.00	11.53	17.39	66.32	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	**Bc**	**2**	0.00	13.29	17.39	76.40	0.00	0.00	0.00			3.00	0.00	3.00	
08:00-09:00	**Bc**	**3**	0.00	16.81	17.39	96.68	0.00	0.07	0.00			20.00	0.00	20.00	
08:00-09:00	**Bc**	**4**	0.00	15.92	17.39	91.52	0.00	0.05	0.00			17.00	0.00	17.00	
08:00-09:00	**Bc1**	**1**	0.00	0.37	5.22	7.12	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	**Bc1**	**2**	0.00	0.55	5.22	10.59	0.00	0.00	0.00			2.00	0.00	2.00	
08:00-09:00	**Bc1**	**3**	0.00	0.28	5.22	5.34	0.00	0.00	0.00			18.00	0.00	18.00	
08:00-09:00	**Bc1**	**4**	0.00	0.28	5.22	5.46	0.00	0.00	0.00			16.00	0.00	16.00	
08:00-09:00	**Bx**	**1**	0.00	0.00	17.39	0.00	0.00	0.00	0.00			80.00	0.00	80.00	
08:00-09:00	**Cc**	**1**	0.00	1.11	6.00	18.55	0.00	0.00	0.00	0.25	0.97	0.00	0.00	0.00	
08:00-09:00	**Cc**	**2**	0.00	1.79	6.00	29.76	0.00	0.00	0.00	0.48	1.70	0.00	0.00	0.00	
08:00-	**Cc**	**3**	0.00	3.22	6.00	53.60	0.00	0.00	0.00	0.64	2.27	0.00	0.00	0.00	

09:00															
08:00-09:00	**Cx**	**1**	0.00	9.62	17.39	55.31	0.00	0.00	0.00	0.56	6.75	0.00	43.00	43.00	
08:00-09:00	**Cx**	**2**	0.00	2.65	17.39	15.21	0.00	0.00	0.00	0.04	1.77	2.00	41.00	43.00	
08:00-09:00	**Cx1**	**1**	0.00	38.33	17.39	220.41	5.89	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	**Dc**	**1**	0.00	0.05	15.65	0.33	0.00	0.00	0.00	0.05	0.05	27.00	0.00	27.00	
08:00-09:00	**Dc**	**2**	0.00	5.51	15.65	35.23	0.00	0.00	0.00	0.21	5.24	4.00	0.00	4.00	
08:00-09:00	**Dc**	**3**	0.00	8.29	15.65	52.97	0.00	0.00	0.00	0.15	1.26	5.00	1.00	6.00	
08:00-09:00	**Dx**	**1**	0.00	15.24	9.74	156.46	0.49	0.00	0.00	1.03	5.74	2.00	0.00	2.00	
08:00-09:00	**Dx**	**2**	0.00	6.57	9.74	67.44	0.00	0.00	0.00	0.43	6.43	18.00	0.00	18.00	
08:00-09:00	**Dx**	**3**	0.00	4.84	9.74	49.69	0.00	0.00	0.00	0.12	4.71	20.00	0.00	20.00	
08:00-09:00	**Dx1**	**1**	0.00	0.27	43.48	0.63	0.00	0.00	0.00			12.00	0.00	12.00	
08:00-09:00	**Dx1**	**2**	0.00	22.46	43.48	51.67	0.00	0.00	0.00			5.00	0.00	5.00	
08:00-09:00	**Ec**	**1**	0.00	0.08	8.70	0.97	0.00	0.00	0.00			6.00	0.00	6.00	
08:00-09:00	**Ec**	**2**	0.00	15.66	8.70	180.09	0.89	1.48	88.81			10.00	0.00	10.00	
08:00-09:00	**Ec**	**3**	0.00	15.69	8.70	180.39	0.89	1.48	88.96			11.00	3.00	14.00	
08:00-09:00	**Ex**	**1**	0.00	0.59	17.39	3.36	0.00	0.00	0.00			26.00	0.00	26.00	
08:00-09:00	**Ex**	**2**	0.00	1.03	17.39	5.95	0.00	0.00	0.00			32.00	0.00	32.00	
08:00-09:00	**Fx**	**1**	0.00	0.22	6.96	3.15	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	**Fx**	**2**	0.00	0.32	6.96	4.64	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	**Gx**	**1**	0.00	0.02	17.39	0.11	0.00	0.00	0.00			2.00	0.00	2.00	
08:00-09:00	**H-1**	**1**	0.00	147.55	17.39	848.44	130.16	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	**H-1**	**2**	0.00	0.26	17.39	1.50	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	**Hx**	**1**	0.00	0.87	17.39	5.01	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	**Hx**	**2**	0.00	0.13	17.39	0.76	0.00	0.00	0.00			0.00	0.00	0.00	
08:00-09:00	**Ix**	**1**	0.00	0.35	17.39	2.00	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	94	22.05	749	-4
08:00-09:00	C	2	✓	Quick Flare	94	22.28	749	-4

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)	Performance Index (£ per hr)
08:00-09:00	1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.51			0.00	7.17	7.17
08:00-09:00	1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.17			0.00	16.48	16.48
08:00-09:00	2	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.84			0.00	3.71	3.71
08:00-09:00	2	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	21.22			0.00	56.88	56.88
08:00-09:00	A	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	13.22	1.22	10.14	0.00	80.19	29.43
08:00-09:00	A	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	12.82	0.94	10.01	0.00	76.07	27.85
08:00-09:00	A	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	18.28	2.85	13.76	0.00	120.89	44.72
08:00-09:00	A	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	18.66	3.09	14.10	0.00	139.63	46.35
08:00-09:00	B	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.64			0.00	3.33	3.33
08:00-09:00	B	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.40			0.00	6.13	6.13
08:00-09:00	C	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	22.64	6.06	19.71	0.00	220.26	68.40
08:00-09:00	C	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	22.92	6.30	19.99	0.00	223.74	69.57
08:00-09:00	D	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	16.00	2.12	12.06	0.00	130.31	37.82
08:00-09:00	D	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	17.11	2.17	12.86	0.00	138.54	40.10
08:00-09:00	D	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	17.15	2.19	12.90	0.00	139.13	40.28
08:00-09:00	E	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	42.73			0.00	319.62	146.22
08:00-09:00	E	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	78.50			0.00	562.25	259.66
08:00-09:00	F	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.16			0.00	2.26	2.26
08:00-09:00	F	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.16			0.00	2.26	2.26
08:00-09:00	G	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	659.21			0.00	4684.16	4684.16
08:00-	I	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.33			0.00	4.68	4.68

09:00															
08:00-09:00	**A1**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.53			0.00	7.57	7.57
08:00-09:00	**A1**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.26			0.00	3.70	3.70
08:00-09:00	**Ac**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.44	0.15	4.09	0.00	23.47	23.47
08:00-09:00	**Ac**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.53	0.19	5.35	0.00	32.57	32.57
08:00-09:00	**Ac**	**3**	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.26	0.13	7.50	0.00	48.53	48.53
08:00-09:00	**Ax**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.48	0.27	3.27	0.00	24.36	24.36
08:00-09:00	**Ax**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.33	0.37	2.01	0.00	13.91	13.91
08:00-09:00	**Ax**	**3**	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.83	0.06	2.08	0.00	10.74	10.74
08:00-09:00	**Ax1**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.43			0.00	13.97	13.97
08:00-09:00	**Ax1**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.25			0.00	3.58	3.58
08:00-09:00	**Bc**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	11.54			0.00	15.70	15.70
08:00-09:00	**Bc**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	13.29			0.00	22.96	22.96
08:00-09:00	**Bc**	**3**	0.00	0.00	0.00	0.00	0.00	✓	0.00	16.81			0.00	15.39	15.39
08:00-09:00	**Bc**	**4**	0.00	0.00	0.00	0.00	0.00	✓	0.00	15.92			0.00	22.74	22.74
08:00-09:00	**Bc1**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.37			0.00	5.27	5.27
08:00-09:00	**Bc1**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.55			0.00	7.84	7.84
08:00-09:00	**Bc1**	**3**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.28			0.00	3.96	3.96
08:00-09:00	**Bc1**	**4**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.29			0.00	4.04	4.04
08:00-09:00	**Bx**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.00			0.00	0.00	0.00
08:00-09:00	**Cc**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.11	0.25	0.97	0.00	5.65	5.65
08:00-09:00	**Cc**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.79	0.48	1.70	0.00	10.66	10.66
08:00-09:00	**Cc**	**3**	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.22	0.64	2.27	0.00	15.29	15.29
08:00-09:00	**Cx**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.62	0.56	6.75	0.00	45.46	45.46
08:00-09:00	**Cx**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.65	0.04	1.77	0.00	7.30	7.30
08:00-09:00	**Cx1**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	38.35			0.00	95.67	95.67

08:00-09:00	**Dc**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.05	0.05	0.05	0.00	0.80	8.00
08:00-09:00	**Dc**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.51	0.21	5.24	0.00	34.65	34.65
08:00-09:00	**Dc**	**3**	0.00	0.00	0.00	0.00	0.00	✓	0.00	8.29	0.15	1.26	0.00	11.91	11.91
08:00-09:00	**Dx**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	15.24	1.04	5.74	0.00	56.04	56.04
08:00-09:00	**Dx**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.57	0.43	6.43	0.00	38.31	38.31
08:00-09:00	**Dx**	**3**	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.84	0.12	4.71	0.00	24.05	24.05
08:00-09:00	**Dx1**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.27			0.00	3.86	3.86
08:00-09:00	**Dx1**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	22.47			0.00	67.51	67.51
08:00-09:00	**Ec**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.08			0.00	1.19	1.19
08:00-09:00	**Ec**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	15.66			88.81	24.25	113.05
08:00-09:00	**Ec**	**3**	0.00	0.00	0.00	0.00	0.00	✓	0.00	15.69			88.96	24.43	113.40
08:00-09:00	**Ex**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.59			0.00	1.24	1.24
08:00-09:00	**Ex**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.03			0.00	0.33	0.33
08:00-09:00	**Fx**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.22			0.00	3.11	3.11
08:00-09:00	**Fx**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.32			0.00	4.59	4.59
08:00-09:00	**Gx**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.02			0.00	0.28	0.28
08:00-09:00	**H-1**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	291.61			0.00	2147.75	2147.75
08:00-09:00	**H-1**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.26			0.00	3.70	3.70
08:00-09:00	**Hx**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.87			0.00	12.38	12.38
08:00-09:00	**Hx**	**2**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.13			0.00	1.88	1.88
08:00-09:00	**Ix**	**1**	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.35			0.00	4.95	4.95

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	Network Within Capacity

A1 - 2031 AM Scenario 1	25/06/2014 19:11:52	25/06/2014 19:12:06	08:00	88	637.57	207.48	G/1	6	9	C/2	G/1	G/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	207!	-57	57352	4867	40.02	7977.27	554.93	8709.98

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	207!	0	0	0.00	0.00	0.00

Network Results: Flows And Signals

Time Segment	Calculated Flow Entering (PCU/hr)	Calculated Flow Out (PCU/hr)	Flow Discrepancy (PCU/hr)	Adjusted Flow Warning	Degree Of Saturation (%)	DOS Threshold Exceeded	Practical Reserve Capacity (%)	Actual Green (s (per cycle))	Effective Green (s (per cycle))
08:00-09:00	57352	56344	2325	✓	207!	✓	-57	4867	4893

Network Results: Stops And Delays

Time Segment	Mean Cruise Time Per PCU (s)	Mean Delay Per PCU (s)	Uniform Delay (PCU-hr/hr)	Random Plus Oversat Delay (PCU-hr/hr)	Unweighted Cost Of Delay (£ per hr)	Weighted Cost Of Delay (£ per hr)	Mean Stops Per PCU (%)	Uniform Stops (Stops per hr)	Random Stops (Stops per hr)	Unweighted Cost Of Stops (£ per hr)	Weighted Cost Of Stops (£ per hr)
08:00-09:00	7.14	40.02	71.82	565.74	9053.45	7977.27	45.44	16849.18	5557.53	811.81	554.93

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	1127.35	177.77	382.00	241.00	623.00

Network Results: Journey Times

Time Segment	Distance Travelled (PCU-km/hr)	Time Spent (PCU-hr/hr)	Mean Journey Speed (kph)
08:00-09:00	5576.33	751.30	7.42

TRANSYT 15

Version: 15.0.1.2976 []

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Last run: 26/06/2014 09:55:49
Analysis Set used for last run: A2 - 2031 PM Scenario 1

Filename: Option 4 with Scenario 1 Rev 2.t15
Path: F:\TEM\Project\BCC - Peddimore Access Modelling\3. EXECUTION\Modelling\Scenario 1
Report generation date: 26/06/2014 09:58:20

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 SC1 - Peddimore Lane junction flows tested in preferred Option Model for Minworth roundabout

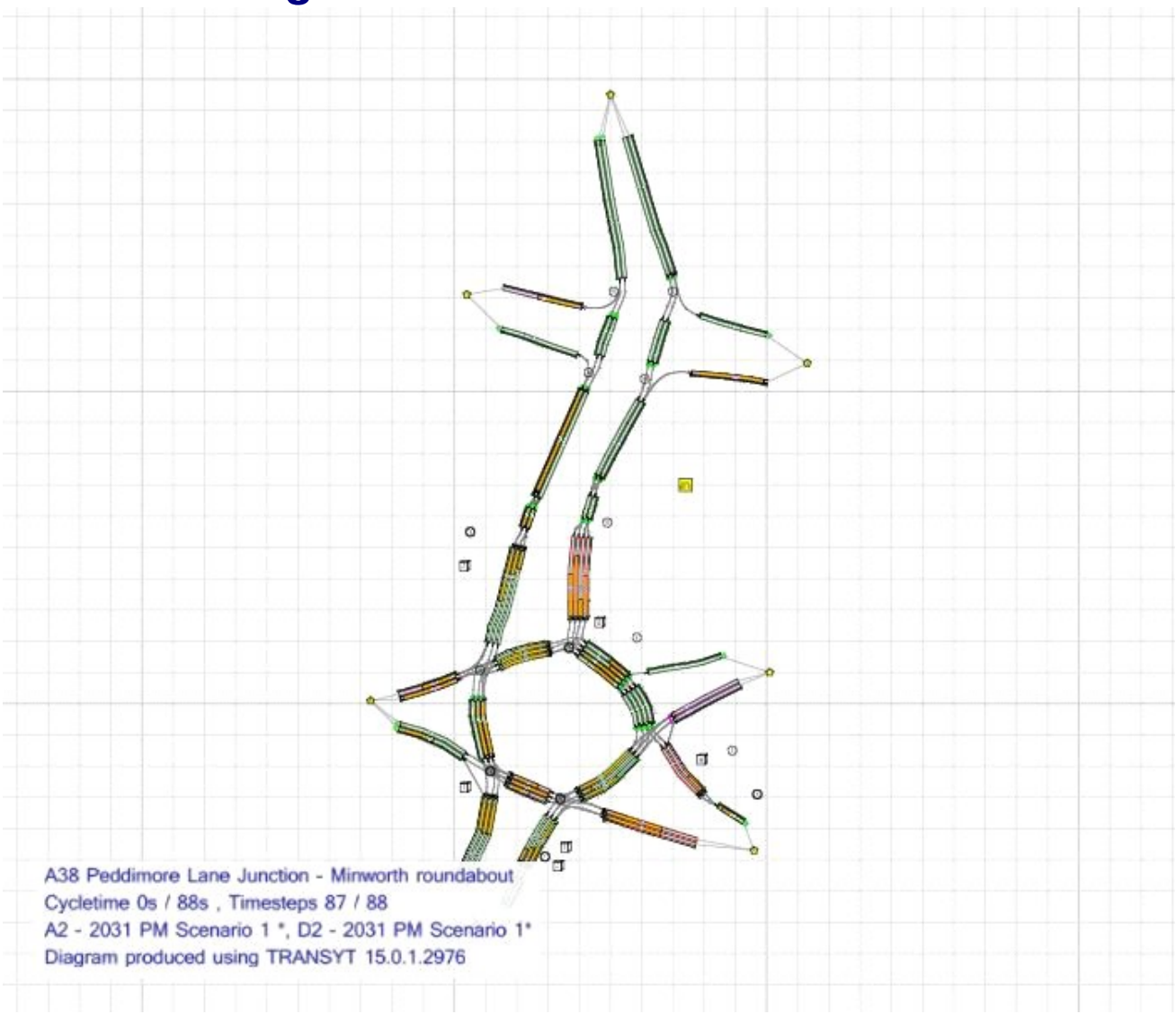
Units

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 1 *: D2 - 2031 PM Scenario 1*

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 1	26/06/2014 09:55:37	26/06/2014 09:55:49	17:00	88	376.59	172.45	I/1	6	9	C/1	I/1	I/1	

Analysis Set Details

Name	Description	Demand Set	Include In Report	Locked
2031 PM Scenario 1		D2	✓	

Demand Set Details

Demand Set	Name	Description	Composite	Demand Sets	Start Time (HH:mm)	Locked
D2	2031 PM Scenario 1				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	A38 N	
11	Dev Access	
12	A38 South	
13	Peddimore	
14	A38 South Exit	

Arms and Traffic Streams

Arms

Arm	Name	Description	Traffic Node
1	(untitled)		5
2	(untitled)		14
A	A38 North		1
B	Lindridge Drive		2
C	A4097 Kingsbury Road		3
D	A38 South		4
E	Wamley Ash Road		5
F	A38 North		11
G	Dev Access Entry		11
I	Peddimore Entry		13
A1	A38 North		14
Ac	A38 North Circulatory		1
Ax	A38 North Exit		8
Ax1	A38 North Exit		10
Bc	Lindridge Drive Circulatory		6
Bc1	Lindridge Drive Circulatory 2		2
Bx	Lindridge drive Exit		
Cc	A4097 Kingsbury Road Circulatory		3
Cx	A4097 Kinsbury Road Exit		9
Cx1	A4097 Kingsbury Road Exit		
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 North		13
Gx	Dev Access Exit		
H-1	A38 North Entry		12
Hx	A38 North Exit		
Ix	Peddimore Exit		

Traffic Streams

Arm	Traffic Stream	Name	Description	Auto Length	Length (m)	Has Restricted Flow	Saturation Flow Source	Saturation Flow (PCU/hr)	Is Signal Controlled	Is Give Way	Traffic Type
1	1	(untitled)			20.00	✓	SumOfLanes	1800			Normal
1	2	(untitled)			20.00	✓	SumOfLanes	1800			Normal
2	1	(untitled)			20.00	✓	SumOfLanes	1800			Normal
2	2	(untitled)			20.00	✓	SumOfLanes	1800			Normal
A	1	(untitled)			100.00	✓	SumOfLanes	2128	✓		Normal
A	2	(untitled)			150.00	✓	SumOfLanes	2279	✓		Normal
A	3	A38 North Entry			150.00	✓	SumOfLanes	2279	✓		Normal
A	4	(untitled)			150.00	✓	SumOfLanes	2279	✓		Normal
B	1	(untitled)			30.00					✓	Normal
B	2	(untitled)			30.00					✓	Normal
C	1	(untitled)			200.00	✓	SumOfLanes	2263	✓		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
F	**1**	(untitled)			40.00	✓	SumOfLanes	2112			Normal
F	**2**	(untitled)			40.00	✓	SumOfLanes	2112			Normal
G	**1**	(untitled)			100.00					✓	Normal
I	**1**	(untitled)			100.00					✓	Normal
A1	**1**	(untitled)			100.00	✓	SumOfLanes	2112			Normal
A1	**2**	(untitled)			100.00	✓	SumOfLanes	2263			Normal
Ac	**1**	(untitled)			54.00	✓	SumOfLanes	2112	✓		Normal
Ac	**2**	(untitled)			54.00	✓	SumOfLanes	2263	✓		Normal
Ac	**3**	(untitled)			54.00	✓	SumOfLanes	2263	✓		Normal
Ax	**1**	(untitled)			100.00	✓	SumOfLanes	1965	✓		Normal
Ax	**2**	(untitled)			100.00	✓	SumOfLanes	2105	✓		Normal
Ax	**3**	(untitled)			100.00	✓	SumOfLanes	2105	✓		Normal
Ax1	**1**	A38 North Exit			100.00	✓	SumOfLanes	1800			Normal
Ax1	**2**	A38 North Exit			100.00	✓	SumOfLanes	1800			Normal
Bc	**1**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc	**2**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc	**3**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc	**4**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Bc1	**1**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
Bc1	**2**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
Bc1	**3**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
Bc1	**4**	(untitled)			30.00	✓	SumOfLanes	1800			Normal
Bx	**1**	(untitled)			100.00	✓	SumOfLanes	1800			Normal
Cc	**1**	(untitled)			65.00	✓	SumOfLanes	2059	✓		Normal
Cc	**2**	(untitled)			65.00	✓	SumOfLanes	2209	✓		Normal
Cc	**3**	(untitled)			65.00	✓	SumOfLanes	2181	✓		Normal
Cx	**1**	A4097 Kinsbury Road Exit			100.00	✓	SumOfLanes	2120	✓		Normal
Cx	**2**	A4097 Kinsbury Road Exit			100.00	✓	SumOfLanes	2120	✓		Normal
Cx1	**1**	(untitled)			100.00	✓	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)			40.00	✓	SumOfLanes	2112			Normal
Fx	2	(untitled)			40.00	✓	SumOfLanes	2112			Normal
Gx	1	(untitled)			100.00	✓	SumOfLanes	1980			Normal
H-1	1	(untitled)			100.00	✓	SumOfLanes	2112			Normal
H-1	2	(untitled)			100.00	✓	SumOfLanes	2263			Normal
Hx	1	(untitled)			100.00	✓	SumOfLanes	2112			Normal
Hx	2	(untitled)			100.00	✓	SumOfLanes	2263			Normal
Ix	1	(untitled)			100.00	✓	SumOfLanes	1980			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
1	2	1	(untitled)											1800
2	1	1	(untitled)											1800
2	2	1	(untitled)											1800
A	1	2	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00	✓	2128
A	2	1	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
A	3	3	(untitled)		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
A	4	2	A38 North Entry		✓	N/A	Clearly Good	0	3.65		0	10.00		2279
B	1	1	Lindridge Drive Entry											
B	2	2	Lindridge Drive Entry											
C	1	1	A4097 Kingsbury Road Entry		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
C	2	2	A4097 Kingsbury Road Entry		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
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)											
F	1	2	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
F	2	2	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
G	1	2	A38 North Exit		✓								✓	
I	1	2	A38 North Exit		✓								✓	
A1	1	2	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
A1	2	1	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00		2263

Ac	**1**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Ac	**2**	**2**	A38 North Circulatory		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Ac	**3**	**1**	A38 North Circulatory		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Ax	**1**	**2**	A38 North Exit		✓	N/A	N/A	0	3.50		0	10.00	✓	1965
Ax	**2**	**1**	A38 North Exit		✓	N/A	N/A	0	3.50		0	10.00		2105
Ax	**3**	**1**	A38 North Exit		✓	N/A	N/A	0	3.50		0	10.00		2105
Ax1	**1**	**1**	(untitled)											1800
Ax1	**2**	**1**	(untitled)											1800
Bc	**1**	**2**	Lindridge Drive Circulatory											1800
Bc	**2**	**1**	Lindridge Drive Circulatory											1800
Bc	**3**	**3**	Lindridge Drive Circulatory											1800
Bc	**4**	**3**	Lindridge Drive Circulatory											1800
Bc1	**1**	**2**	Lindridge Drive Circulatory											1800
Bc1	**2**	**1**	Lindridge Drive Circulatory											1800
Bc1	**3**	**3**	Lindridge Drive Circulatory											1800
Bc1	**4**	**3**	Lindridge Drive Circulatory											1800
Bx	**1**	**2**	Lindridge drive Exit											1800
Cc	**1**	**1**	A4097 Kingsbury Road Circulatory		✓	N/A	Clearly Good	0	3.00		0	10.00	✓	2059
Cc	**2**	**2**	A4097 Kingsbury Road Circulatory		✓	N/A	Clearly Good	0	3.00		0	10.00		2209
Cc	**3**	**2**	A4097 Kingsbury Road Circulatory		✓	N/A	Clearly Good	0	3.00		43	50.00		2181
Cx	**1**	**2**	A4097 Kinsbury Road Exit		✓	N/A	N/A	0	3.65		0	10.00		2120
Cx	**2**	**3**	A4097 Kinsbury Road Exit		✓	N/A	N/A	0	3.65		0	10.00		2120
Cx1	**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
Ex	**2**	**2**	Wamley Ash Road Exit											1800
Fx	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Fx	**2**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Gx	**1**	**2**	A38 North Exit		✓	N/A	N/A	0	3.65		0	10.00	✓	1980
H-1	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
H-1	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Hx	**1**	**2**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00	✓	2112
Hx	**2**	**1**	A38 North Exit		✓	N/A	Clearly Good	0	3.50		0	10.00		2263
Ix	**1**	**2**	A38 North Exit		✓	N/A	N/A	0	3.65		0	10.00	✓	1980

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				
1	**2**	[Forced to PDM]	100	100		0.00				
2	**1**	[Forced to PDM]	100	100		0.00				
2	**2**	[Forced to PDM]	100	100		0.00				
A	**1**	[Forced to PDM]	0	40		0.00				
A	**2**	[Forced to PDM]	0	40		0.00				
A	**3**	[Forced to PDM]	0	40		0.00				

A	**4**	[Forced to PDM]	0	40		0.00				
B	**1**	[Forced to PDM]	100	100		0.00				
B	**2**	[Forced to PDM]	100	100		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				
F	**1**	[Forced to PDM]	100	100		0.00				
F	**2**	[Forced to PDM]	100	100		0.00				
G	**1**	[Forced to PDM]	100	100		0.00				
I	**1**	[Forced to PDM]	100	100		0.00				
A1	**1**	[Forced to PDM]	100	100		0.00				
A1	**2**	[Forced to PDM]	100	100		0.00				
Ac	**1**	[Forced to PDM]	100	100		7.00	✓	7	80.00	
Ac	**2**	[Forced to PDM]	100	100		7.00	✓	7	0.00	
Ac	**3**	[Forced to PDM]	100	100		7.00	✓	7	0.00	
Ax	**1**	[Forced to PDM]	100	100		0.00				
Ax	**2**	[Forced to PDM]	100	100		0.00				
Ax	**3**	[Forced to PDM]	100	100		0.00				
Ax1	**1**	[Forced to PDM]	100	100		0.00				
Ax1	**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	
Bx	**1**	[Forced to PDM]	100	100		0.00				
Cc	**1**	[Forced to PDM]	100	100		6.00	✓	6	60.00	
Cc	**2**	[Forced to PDM]	100	100		6.00	✓	6	60.00	
Cc	**3**	[Forced to PDM]	100	100		6.00	✓	6	60.00	
Cx	**1**	[Forced to PDM]	100	100		0.00				
Cx	**2**	[Forced to PDM]	100	100		0.00				
Cx1	**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				
Gx	**1**	[Forced to PDM]	100	100		0.00				
H-1	**1**	[Forced to PDM]	100	100		0.00				
H-1	**2**	[Forced to PDM]	100	100		0.00				
Hx	**1**	[Forced to PDM]	100	100		0.00				
Hx	**2**	[Forced to PDM]	100	100		0.00				
Ix	**1**	[Forced to PDM]	100	100		0.00				

Modelling - Advanced

Arm	Traffic Stream	Cruise Sensitivity Multiplier (%)	Initial Queue (PCU)	Type of Vehicle-in-Service	Vehicle-in-Service	Type Of Random Parameter	Random Parameter	Auto Cycle Time	Cycle Time
1	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
1	2	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
2	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
2	2	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
A	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
A	2	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
A	3	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
A	4	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
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
F	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
F	2	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
G	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
I	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
A1	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
A1	2	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ac	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ac	2	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ac	3	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax	2	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax	3	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax1	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ax1	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
Bx	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cc	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cc	2	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cc	3	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx	2	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Cx1	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
Gx	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
H-1	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
H-1	2	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Hx	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Hx	2	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88
Ix	1	100	0.00	NetworkDefault	Not-Included	NetworkDefault	0.50	✓	88

Normal - Modelling

Arm	Traffic Stream	Stop Weighting (%)	Delay Weighting (%)
1	1	100	100
1	2	100	100
2	1	100	100
2	2	100	100
A	1	100	100
A	2	100	100
A	3	100	100
A	4	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
F	1	100	100
F	2	100	100
G	1	100	100
I	1	100	100
A1	1	100	100
A1	2	100	100
Ac	1	100	100
Ac	2	100	100
Ac	3	100	100
Ax	1	100	100

Ax	2	100	100
Ax	3	100	100
Ax1	1	100	100
Ax1	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
Bx	1	100	100
Cc	1	100	100
Cc	2	100	100
Cc	3	100	100
Cx	1	100	100
Cx	2	100	100
Cx1	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
Gx	1	100	100
H-1	1	100	100
H-1	2	100	100
Hx	1	100	100
Hx	2	100	100
Ix	1	100	100

Flows

Arm	Traffic Stream	Total Flow (PCU/hr)	Normal Flow (PCU/hr)
1	1	942	942
1	2	1669	1669
2	1	770	770
2	2	1715	1715
A	1	509	509
A	2	433	433
A	3	834	834
A	4	834	834
B	1	18	18

B	**2**	33	33
C	**1**	785	785
C	**2**	785	785
D	**1**	802	802
D	**2**	861	861
D	**3**	861	861
E	**1**	357	357
E	**2**	713	713
F	**1**	755	755
F	**2**	755	755
G	**1**	605	605
I	**1**	1072	1072
A1	**1**	1842	1842
A1	**2**	770	770
Ac	**1**	472	472
Ac	**2**	583	583
Ac	**3**	407	407
Ax	**1**	770	770
Ax	**2**	1154	1154
Ax	**3**	562	562
Ax1	**1**	1730	1730
Ax1	**2**	755	755
Bc	**1**	981	981
Bc	**2**	1016	1016
Bc	**3**	1038	1038
Bc	**4**	1038	1038
Bc1	**1**	896	896
Bc1	**2**	1016	1016
Bc1	**3**	1038	1038
Bc1	**4**	1038	1038
Bx	**1**	85	85
Cc	**1**	531	531
Cc	**2**	1043	1043
Cc	**3**	1066	1066
Cx	**1**	914	914
Cx	**2**	485	485
Cx1	**1**	1399	1399
Dc	**1**	461	461
Dc	**2**	850	850
Dc	**3**	588	588
Dx	**1**	855	855
Dx	**2**	1043	1043
Dx	**3**	413	413
Dx1	**1**	855	855
Dx1	**2**	1456	1456
Ec	**1**	568	568
Ec	**2**	1154	1154
Ec	**3**	1156	1156
Ex	**1**	988	988
Ex	**2**	557	557
Fx	**1**	770	770
Fx	**2**	770	770

Gx	**1**	975	975
H-1	**1**	1004	1004
H-1	**2**	770	770
Hx	**1**	1360	1360
Hx	**2**	755	755
Ix	**1**	234	234

Signals

Arm	Traffic Stream	Controller Stream	Phase	Phase2 Enabled
A	**1**	1	A	
A	**2**	1	A	
A	**3**	1	A	
A	**4**	1	A	
C	**1**	3	A	
C	**2**	3	A	
D	**1**	2	A	
D	**2**	2	A	
D	**3**	2	A	
Ac	**1**	1	B	
Ac	**2**	1	B	
Ac	**3**	1	B	
Ax	**1**	5	A	
Ax	**2**	5	A	
Ax	**3**	5	A	
Cc	**1**	3	B	
Cc	**2**	3	B	
Cc	**3**	3	B	
Cx	**1**	6	A	
Cx	**2**	6	A	
Dc	**1**	2	B	
Dc	**2**	2	B	
Dc	**3**	2	B	
Dx	**1**	7	A	
Dx	**2**	7	A	
Dx	**3**	7	A	

Entry Sources

Arm	Traffic Stream	Normal Cruise Time (seconds)	Normal Cruise Speed (kph)
B	**1**	2.24	48.28
B	**2**	2.24	48.28
C	**1**	11.19	64.37
C	**2**	11.19	64.37
D	**1**	16.78	64.37
D	**2**	16.78	64.37
D	**3**	16.78	64.37
E	**1**	14.91	48.28
E	**2**	14.91	48.28
G	**1**	7.46	48.28
I	**1**	7.46	48.28
H-1	**1**	7.46	48.28
H-1	**2**	7.46	48.28

Sources

Arm	Traffic Stream	Source	Source Type	Source Traffic Stream	Destination Traffic Stream	Normal Cruise Time (seconds)	Normal Cruise Speed (kph)	Auto Turning Radius	Traffic Turn Style	Turning Radius (m)
1	1	1	TrafficStream	A1/1	1/1	2.40	30.00	✓	Straight	Straight Movement
1	2	1	TrafficStream	A1/1	1/2	2.40	30.00	✓	Straight	Straight Movement
2	1	1	TrafficStream	Ax/1	2/1	2.40	30.00	✓	Straight	Straight Movement
2	2	1	TrafficStream	Ax/3	2/2	2.40	30.00	✓	Straight	Straight Movement
A	1	1	TrafficStream	1/1	A/1	12.00	30.00	✓	Straight	Straight Movement
A	2	1	TrafficStream	1/1	A/2	18.00	30.00	✓	Straight	Straight Movement
A	3	1	TrafficStream	1/2	A/3	18.00	30.00	✓	Straight	Straight Movement
A	4	1	TrafficStream	1/2	A/4	11.18	48.28	✓	Straight	Straight Movement
A1	1	1	TrafficStream	I/1	A1/1	7.46	48.28	✓	Straight	Straight Movement
A1	2	1	TrafficStream	Fx/2	A1/2	7.46	48.28	✓	Straight	Straight Movement
Ac	1	1	TrafficStream	E/1	Ac/1	4.03	48.28	✓	Straight	Straight Movement
Ac	2	1	TrafficStream	Ec/3	Ac/2	4.03	48.28	✓	Straight	Straight Movement
Ac	3	1	TrafficStream	E/2	Ac/3	4.03	48.28	✓	Straight	Straight Movement
Ax	1	1	TrafficStream	Ec/1	Ax/1	5.59	64.37	✓	Straight	Straight Movement
Ax	2	1	TrafficStream	Ec/2	Ax/2	5.59	64.37	✓	Straight	Straight Movement
Ax	3	1	TrafficStream	Ec/3	Ax/3	5.59	64.37	✓	Straight	Straight Movement
Ax1	1	1	TrafficStream	2/1	Ax1/1	12.00	30.00	✓	Straight	Straight Movement
Ax1	2	1	TrafficStream	2/2	Ax1/2	12.00	30.00	✓	Straight	Straight Movement
Bc	1	1	TrafficStream	Ac/1	Bc/1	7.46	48.28	✓	Straight	Straight Movement
Bc	2	1	TrafficStream	A/2	Bc/2	7.46	48.28	✓	Straight	Straight Movement
Bc	3	1	TrafficStream	Ac/3	Bc/3	7.46	48.28	✓	Straight	Straight Movement
Bc	4	1	TrafficStream	Ac/3	Bc/4	7.46	48.28	✓	Straight	Straight Movement
Bc1	1	1	TrafficStream	Bc/1	Bc1/1	2.24	48.28	✓	Straight	Straight Movement
Bc1	2	1	TrafficStream	Bc/2	Bc1/2	2.24	48.28	✓	Straight	Straight Movement
Bc1	3	1	TrafficStream	Bc/3	Bc1/3	2.24	48.28	✓	Straight	Straight Movement
Bc1	4	1	TrafficStream	Bc/4	Bc1/4	2.24	48.28	✓	Straight	Straight Movement
F	1	1	TrafficStream	Ax1/1	F/1	2.98	48.28	✓	Straight	Straight Movement

F	**2**	**1**	TrafficStream	Ax1/2	F/2	2.98	48.28	✓	Straight	Straight Movement
Bx	**1**	**1**	TrafficStream	Bc/1	Bx/1	7.46	48.28	✓	Nearside	76.24
Cc	**1**	**1**	TrafficStream	B/1	Cc/1	4.85	48.28	✓	Straight	Straight Movement
Cc	**2**	**1**	TrafficStream	B/2	Cc/2	4.85	48.28	✓	Straight	Straight Movement
Cc	**3**	**1**	TrafficStream	B/2	Cc/3	4.85	48.28	✓	Straight	Straight Movement
Cx	**1**	**1**	TrafficStream	Bc1/1	Cx/1	5.59	64.37	✓	Straight	Straight Movement
Cx	**2**	**1**	TrafficStream	Bc1/2	Cx/2	5.59	64.37	✓	Straight	Straight Movement
Cx1	**1**	**1**	TrafficStream	Cx/1	Cx1/1	7.46	48.28	✓	Straight	Straight Movement
Dc	**1**	**1**	TrafficStream	C/1	Dc/1	6.71	48.28	✓	Straight	Straight Movement
Dc	**2**	**1**	TrafficStream	C/2	Dc/2	6.71	48.28	✓	Straight	Straight Movement
Dc	**3**	**1**	TrafficStream	C/2	Dc/3	6.71	48.28	✓	Straight	Straight Movement
Dx	**1**	**1**	TrafficStream	Cc/1	Dx/1	3.13	64.37	✓	Straight	Straight Movement
Dx	**2**	**1**	TrafficStream	Cc/2	Dx/2	3.13	64.37	✓	Straight	Straight Movement
Dx	**3**	**1**	TrafficStream	Cc/3	Dx/3	3.13	64.37	✓	Straight	Straight Movement
Dx1	**1**	**1**	TrafficStream	Dx/1	Dx1/1	13.98	64.37	✓	Straight	Straight Movement
Dx1	**2**	**1**	TrafficStream	Dx/2	Dx1/2	13.98	64.37	✓	Straight	Straight Movement
Ec	**1**	**1**	TrafficStream	D/1	Ec/1	3.73	48.28	✓	Straight	Straight Movement
Ec	**2**	**1**	TrafficStream	D/2	Ec/2	3.73	48.28	✓	Straight	Straight Movement
Ec	**3**	**1**	TrafficStream	D/3	Ec/3	3.73	48.28	✓	Straight	Straight Movement
Ex	**1**	**1**	TrafficStream	Dc/1	Ex/1	7.46	48.28	✓	Straight	Straight Movement
Ex	**2**	**1**	TrafficStream	Dc/2	Ex/2	7.46	48.28	✓	Straight	Straight Movement
Fx	**1**	**1**	TrafficStream	H-1/1	Fx/1	2.98	48.28	✓	Straight	Straight Movement
Fx	**2**	**1**	TrafficStream	H-1/2	Fx/2	2.98	48.28	✓	Straight	Straight Movement
Gx	**1**	**1**	TrafficStream	Ax1/1	Gx/1	7.46	48.28	✓	Nearside	64.11
Hx	**1**	**1**	TrafficStream	G/1	Hx/1	7.46	48.28	✓	Straight	Straight Movement
Hx	**2**	**1**	TrafficStream	F/2	Hx/2	7.46	48.28	✓	Straight	Straight Movement
Ix	**1**	**1**	TrafficStream	H-1/1	Ix/1	7.46	48.28	✓	Straight	Straight Movement
1	**1**	**2**	TrafficStream	A1/2	1/1	2.40	30.00	✓	Straight	Straight Movement
1	**2**	**2**	TrafficStream	A1/2	1/2	2.40	30.00	✓	Straight	Straight Movement
2	**2**	**2**	TrafficStream	Ax/2	2/2	2.40	30.00	✓	Straight	Straight Movement
A1	**1**	**2**	TrafficStream	Fx/1	A1/1	7.46	48.28	✓	Straight	Straight Movement

Ac	**1**	**2**	TrafficStream	Ec/3	Ac/1	4.03	48.28	✓	Straight	Straight Movement
Ac	**2**	**2**	TrafficStream	E/2	Ac/2	4.03	48.28	✓	Straight	Straight Movement
Ax	**1**	**2**	TrafficStream	E/1	Ax/1	5.59	64.37	✓	Straight	Straight Movement
Ax1	**1**	**2**	TrafficStream	2/2	Ax1/1	12.00	30.00	✓	Straight	Straight Movement
Ax1	**2**	**2**	TrafficStream	2/1	Ax1/2	12.00	30.00	✓	Straight	Straight Movement
Bc	**1**	**2**	TrafficStream	A/1	Bc/1	7.46	48.28	✓	Nearside	83.93
Bc	**2**	**2**	TrafficStream	Ac/2	Bc/2	12.00	30.00	✓	Straight	Straight Movement
Bc	**3**	**2**	TrafficStream	A/3	Bc/3	12.00	30.00	✓	Straight	Straight Movement
Bc	**4**	**2**	TrafficStream	A/4	Bc/4	7.46	48.28	✓	Straight	Straight Movement
Cc	**1**	**2**	TrafficStream	Bc1/2	Cc/1	4.85	48.28	✓	Straight	Straight Movement
Cc	**2**	**2**	TrafficStream	Bc1/3	Cc/2	4.85	48.28	✓	Straight	Straight Movement
Cc	**3**	**2**	TrafficStream	Bc1/4	Cc/3	4.85	48.28	✓	Straight	Straight Movement
Cx	**1**	**2**	TrafficStream	B/1	Cx/1	5.59	64.37	✓	Nearside	73.56
Cx1	**1**	**2**	TrafficStream	Cx/2	Cx1/1	7.46	48.28	✓	Straight	Straight Movement
Dc	**2**	**2**	TrafficStream	Cc/3	Dc/2	6.71	48.28	✓	Straight	Straight Movement
Dc	**3**	**2**	TrafficStream	Cc/3	Dc/3	6.71	48.28	✓	Straight	Straight Movement
Dx	**1**	**2**	TrafficStream	C/1	Dx/1	3.13	64.37	✓	Straight	Straight Movement
Dx1	**2**	**2**	TrafficStream	Dx/3	Dx1/2	13.98	64.37	✓	Straight	Straight Movement
Ec	**1**	**2**	TrafficStream	Dc/2	Ec/1	6.00	30.00	✓	Straight	Straight Movement
Ec	**2**	**2**	TrafficStream	Dc/3	Ec/2	6.00	30.00	✓	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
Hx	**1**	**2**	TrafficStream	F/1	Hx/1	7.46	48.28	✓	Straight	Straight Movement

Give Way Data

Arm	Traffic Stream	Opposed Traffic	Use Step-wise Opposed Turn Model	Visibility Restricted
B	**1**	AllTraffic		
B	**2**	AllTraffic		
E	**1**	AllTraffic		
E	**2**	AllTraffic		
G	**1**	AllTraffic		
I	**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
1		TrafficStream	Bc1/1	100	0.18		0	0
1		TrafficStream	Bc1/2	100	0.18		0	0
2		TrafficStream	Bc1/1	100	0.44		0	0
2		TrafficStream	Bc1/2	100	0.44		0	0
2		TrafficStream	Bc1/3	100	0.44		0	0
2		TrafficStream	Bc1/4	100	0.44		0	0
1	Roundabout Circulating	TrafficStream	Ec/1	100	0.21		0	0
1	Roundabout Circulating	TrafficStream	Ec/2	100	0.21		0	0
1	Roundabout Circulating	TrafficStream	Ec/3	100	0.21		0	0
2	Roundabout Circulating	TrafficStream	Ec/1	100	0.42		0	0
2	Roundabout Circulating	TrafficStream	Ec/2	100	0.42		0	0
2	Roundabout Circulating	TrafficStream	Ec/3	100	0.42		0	0
1		TrafficStream	F/1	100	0.16		0	0
1		TrafficStream	Fx/1	100	0.16		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 S1

Normal Input Flows (PCU/hr)

		To						
		1	2	3	4	5	6	7
From	1	0	234	19	372	859	226	63
	2	62	0	12	212	507	138	141
	3	7	0	0	18	10	12	4
	4	391	0	2	0	324	642	211
	5	919	0	38	554	0	527	485
	6	131	0	14	243	611	0	71
	7	605	0	0	0	0	0	0

Bus Input Flows not shown as they are blank.

Tram Input Flows not shown as they are blank.

Pedestrian Input Flows not shown as they are blank.

Locations

OD Matrix	Location	Name	Entries	Exits
2031 S1	1	(untitled)	H-1/1,H-1/2	Hx/2,Hx/1
2031 S1	2	(untitled)	I/1	Ix/1
2031 S1	3	(untitled)	B/1,B/2	Bx/1
2031 S1	4	(untitled)	C/1,C/2	Cx1/1
2031 S1	5	(untitled)	D/1,D/2,D/3	Dx1/2,Dx1/1
2031 S1	6	(untitled)	E/1,E/2	Ex/1,Ex/2
2031 S1	7	(untitled)	G/1	Gx/1

Paths

OD Matrix	Path	Description	From Location	To Location	Path Items
2031 S1	1		5	7	D/1,Ec/1,Ax/1,2/1,Ax1/1,Gx/1
2031 S1	2		5	1	D/1,Ec/1,Ax/1,2/1,Ax1/1,F/1,Hx/1
2031 S1	3		5	1	D/1,Ec/1,Ax/1,2/1,Ax1/2,F/2,Hx/2
2031 S1	4		5	6	D/1,Ex/1
2031 S1	5		5	7	D/2,Ec/2,Ax/2,2/2,Ax1/1,Gx/1
2031 S1	6		5	1	D/2,Ec/2,Ax/2,2/2,Ax1/1,F/1,Hx/1
2031 S1	7		5	1	D/2,Ec/2,Ax/2,2/2,Ax1/2,F/2,Hx/2
2031 S1	8		5	7	D/3,Ec/3,Ax/3,2/2,Ax1/1,Gx/1
2031 S1	9		5	1	D/3,Ec/3,Ax/3,2/2,Ax1/1,F/1,Hx/1
2031 S1	10		5	1	D/3,Ec/3,Ax/3,2/2,Ax1/2,F/2,Hx/2
2031 S1	11		5	3	D/3,Ec/3,Ac/1,Bc/1,Bx/1
2031 S1	12		5	4	D/3,Ec/3,Ac/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S1	13		5	5	D/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S1	14		5	4	D/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S1	15		6	7	E/1,Ax/1,2/1,Ax1/1,Gx/1
2031 S1	16		6	1	E/1,Ax/1,2/1,Ax1/1,F/1,Hx/1
2031 S1	17		6	1	E/1,Ax/1,2/1,Ax1/2,F/2,Hx/2
2031 S1	18		6	3	E/1,Ac/1,Bc/1,Bx/1
2031 S1	19		6	4	E/1,Ac/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S1	20		6	5	E/2,Ac/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S1	21		6	4	E/2,Ac/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S1	22		6	5	E/2,Ac/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S1	23		6	7	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,Gx/1
2031 S1	24		6	1	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,F/1,Hx/1
2031 S1	25		6	1	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/2,F/2,Hx/2
2031 S1	26		6	6	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S1	27		6	7	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,Gx/1
2031 S1	28		6	1	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,F/1,Hx/1
2031 S1	29		6	1	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/2,F/2,Hx/2
2031 S1	30		6	7	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,Gx/1
2031 S1	31		6	1	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,F/1,Hx/1
2031 S1	32		6	1	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/2,F/2,Hx/2
2031 S1	33		6	5	E/2,Ac/3,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S1	34		3	5	B/1,Cc/1,Dx/1,Dx1/1
2031 S1	35		3	4	B/1,Cx/1,Cx1/1
2031 S1	36		3	5	B/2,Cc/2,Dx/2,Dx1/2
2031 S1	37		3	7	B/2,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,Gx/1
2031 S1	38		3	1	B/2,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,F/1,Hx/1
2031 S1	39		3	1	B/2,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/2,F/2,Hx/2

2031 S1	**40**		3	6	B/2,Cc/3,Dc/2,Ex/2
2031 S1	**41**		3	7	B/2,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,Gx/1
2031 S1	**42**		3	1	B/2,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,F/1,Hx/1
2031 S1	**43**		3	1	B/2,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/2,F/2,Hx/2
2031 S1	**44**		3	7	B/2,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,Gx/1
2031 S1	**45**		3	1	B/2,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,F/1,Hx/1
2031 S1	**46**		3	1	B/2,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/2,F/2,Hx/2
2031 S1	**47**		3	3	B/2,Cc/3,Dc/3,Ec/3,Ac/1,Bc/1,Bx/1
2031 S1	**48**		3	4	B/2,Cc/3,Dc/3,Ec/3,Ac/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S1	**49**		3	4	B/2,Cc/3,Dc/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S1	**50**		3	5	B/2,Cc/3,Dx/3,Dx1/2
2031 S1	**51**		4	6	C/1,Dc/1,Ex/1
2031 S1	**52**		4	5	C/1,Dx/1,Dx1/1
2031 S1	**53**		4	7	C/2,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,Gx/1
2031 S1	**54**		4	1	C/2,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,F/1,Hx/1
2031 S1	**55**		4	1	C/2,Dc/2,Ec/1,Ax/1,2/1,Ax1/2,F/2,Hx/2
2031 S1	**56**		4	6	C/2,Dc/2,Ex/2
2031 S1	**57**		4	7	C/2,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,Gx/1
2031 S1	**58**		4	1	C/2,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,F/1,Hx/1
2031 S1	**59**		4	1	C/2,Dc/3,Ec/2,Ax/2,2/2,Ax1/2,F/2,Hx/2
2031 S1	**60**		4	7	C/2,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,Gx/1
2031 S1	**61**		4	1	C/2,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,F/1,Hx/1
2031 S1	**62**		4	1	C/2,Dc/3,Ec/3,Ax/3,2/2,Ax1/2,F/2,Hx/2
2031 S1	**63**		4	3	C/2,Dc/3,Ec/3,Ac/1,Bc/1,Bx/1
2031 S1	**64**		4	4	C/2,Dc/3,Ec/3,Ac/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S1	**65**		4	5	C/2,Dc/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S1	**66**		4	4	C/2,Dc/3,Ec/3,Ac/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S1	**67**		2	3	I/1,A1/1,1/1,A/1,Bc/1,Bx/1
2031 S1	**68**		2	4	I/1,A1/1,1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S1	**69**		2	5	I/1,A1/1,1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S1	**70**		2	4	I/1,A1/1,1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S1	**71**		2	5	I/1,A1/1,1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S1	**72**		2	7	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,Gx/1
2031 S1	**73**		2	1	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,F/1,Hx/1
2031 S1	**74**		2	1	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/2,F/2,Hx/2
2031 S1	**75**		2	6	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S1	**76**		2	7	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,Gx/1
2031 S1	**77**		2	1	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,F/1,Hx/1
2031 S1	**78**		2	1	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/2,F/2,Hx/2
2031 S1	**79**		2	7	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,Gx/1
2031 S1	**80**		2	1	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,F/1,Hx/1
2031 S1	**81**		2	1	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/2,F/2,Hx/2
2031 S1	**82**		2	5	I/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S1	**83**		7	1	G/1,Hx/1
2031 S1	**84**		1	2	H-1/1,Ix/1
2031 S1	**85**		1	3	H-1/1,Fx/1,A1/1,1/1,A/1,Bc/1,Bx/1
2031 S1	**86**		1	4	H-1/1,Fx/1,A1/1,1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S1	**87**		1	5	H-1/1,Fx/1,A1/1,1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S1	**88**		1	4	H-1/1,Fx/1,A1/1,1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S1	**89**		1	5	H-1/1,Fx/1,A1/1,1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S1	**90**		1	7	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,Gx/1
2031 S1	**91**		1	1	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,F/1,Hx/1

2031 S1	**92**		1	1	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/2,F/2,Hx/2
2031 S1	**93**		1	6	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S1	**94**		1	7	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,Gx/1
2031 S1	**95**		1	1	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,F/1,Hx/1
2031 S1	**96**		1	1	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/2,F/2,Hx/2
2031 S1	**97**		1	7	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,Gx/1
2031 S1	**98**		1	1	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,F/1,Hx/1
2031 S1	**99**		1	1	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/2,F/2,Hx/2
2031 S1	**100**		1	5	H-1/1,Fx/1,A1/1,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2
2031 S1	**101**		1	3	H-1/2,Fx/2,A1/2,1/1,A/1,Bc/1,Bx/1
2031 S1	**102**		1	4	H-1/2,Fx/2,A1/2,1/1,A/1,Bc/1,Bc1/1,Cx/1,Cx1/1
2031 S1	**103**		1	5	H-1/2,Fx/2,A1/2,1/1,A/2,Bc/2,Bc1/2,Cc/1,Dx/1,Dx1/1
2031 S1	**104**		1	4	H-1/2,Fx/2,A1/2,1/1,A/2,Bc/2,Bc1/2,Cx/2,Cx1/1
2031 S1	**105**		1	5	H-1/2,Fx/2,A1/2,1/2,A/3,Bc/3,Bc1/3,Cc/2,Dx/2,Dx1/2
2031 S1	**106**		1	7	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,Gx/1
2031 S1	**107**		1	1	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/1,F/1,Hx/1
2031 S1	**108**		1	1	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ec/1,Ax/1,2/1,Ax1/2,F/2,Hx/2
2031 S1	**109**		1	6	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/2,Ex/2
2031 S1	**110**		1	7	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,Gx/1
2031 S1	**111**		1	1	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/1,F/1,Hx/1
2031 S1	**112**		1	1	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/2,Ax/2,2/2,Ax1/2,F/2,Hx/2
2031 S1	**113**		1	7	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,Gx/1
2031 S1	**114**		1	1	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/1,F/1,Hx/1
2031 S1	**115**		1	1	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dc/3,Ec/3,Ax/3,2/2,Ax1/2,F/2,Hx/2
2031 S1	**116**		1	5	H-1/2,Fx/2,A1/2,1/2,A/4,Bc/4,Bc1/4,Cc/3,Dx/3,Dx1/2

Normal Path Flows

OD Matrix	Path	Permitted Flow Type	Allocation Type
2031 S1	**1**	✓	Normal
2031 S1	**2**	✓	Normal
2031 S1	**3**	✓	Normal
2031 S1	**4**	✓	Normal
2031 S1	**5**	✓	Normal
2031 S1	**6**	✓	Normal
2031 S1	**7**	✓	Normal
2031 S1	**8**	✓	Normal
2031 S1	**9**	✓	Normal
2031 S1	**10**	✓	Normal
2031 S1	**11**	✓	Normal
2031 S1	**12**	✓	Normal
2031 S1	**13**	✓	Normal
2031 S1	**14**	✓	Normal
2031 S1	**15**	✓	Normal
2031 S1	**16**	✓	Normal
2031 S1	**17**	✓	Normal
2031 S1	**18**	✓	Normal
2031 S1	**19**	✓	Normal
2031 S1	**20**	✓	Normal
2031 S1	**21**	✓	Normal
2031 S1	**22**	✓	Normal
2031 S1	**23**	✓	Disabled

2031 S1	**24**	✓	Disabled
2031 S1	**25**	✓	Disabled
2031 S1	**26**	✓	Disabled
2031 S1	**27**	✓	Disabled
2031 S1	**28**	✓	Disabled
2031 S1	**29**	✓	Disabled
2031 S1	**30**	✓	Disabled
2031 S1	**31**	✓	Disabled
2031 S1	**32**	✓	Disabled
2031 S1	**33**	✓	Normal
2031 S1	**34**	✓	Normal
2031 S1	**35**	✓	Normal
2031 S1	**36**	✓	Normal
2031 S1	**37**	✓	Normal
2031 S1	**38**	✓	Normal
2031 S1	**39**	✓	Normal
2031 S1	**40**	✓	Normal
2031 S1	**41**	✓	Normal
2031 S1	**42**	✓	Normal
2031 S1	**43**	✓	Normal
2031 S1	**44**	✓	Normal
2031 S1	**45**	✓	Normal
2031 S1	**46**	✓	Normal
2031 S1	**47**	✓	Normal
2031 S1	**48**	✓	Disabled
2031 S1	**49**	✓	Disabled
2031 S1	**50**	✓	Normal
2031 S1	**51**	✓	Normal
2031 S1	**52**	✓	Normal
2031 S1	**53**	✓	Normal
2031 S1	**54**	✓	Normal
2031 S1	**55**	✓	Normal
2031 S1	**56**	✓	Normal
2031 S1	**57**	✓	Normal
2031 S1	**58**	✓	Normal
2031 S1	**59**	✓	Normal
2031 S1	**60**	✓	Normal
2031 S1	**61**	✓	Normal
2031 S1	**62**	✓	Normal
2031 S1	**63**	✓	Normal
2031 S1	**64**	✓	Normal
2031 S1	**65**	✓	Disabled
2031 S1	**66**	✓	Normal
2031 S1	**67**	✓	Normal
2031 S1	**68**	✓	Normal
2031 S1	**69**	✓	Normal
2031 S1	**70**	✓	Normal
2031 S1	**71**	✓	Normal
2031 S1	**72**	✓	Normal

2031 S1	**73**	✓	Normal
2031 S1	**74**	✓	Normal
2031 S1	**75**	✓	Normal
2031 S1	**76**	✓	Normal
2031 S1	**77**	✓	Normal
2031 S1	**78**	✓	Normal
2031 S1	**79**	✓	Normal
2031 S1	**80**	✓	Normal
2031 S1	**81**	✓	Normal
2031 S1	**82**	✓	Normal
2031 S1	**83**	✓	Normal
2031 S1	**84**	✓	Normal
2031 S1	**85**	✓	Normal
2031 S1	**86**	✓	Normal
2031 S1	**87**	✓	Normal
2031 S1	**88**	✓	Normal
2031 S1	**89**	✓	Normal
2031 S1	**90**	✓	Normal
2031 S1	**91**	✓	Normal
2031 S1	**92**	✓	Normal
2031 S1	**93**	✓	Normal
2031 S1	**94**	✓	Normal
2031 S1	**95**	✓	Normal
2031 S1	**96**	✓	Normal
2031 S1	**97**	✓	Normal
2031 S1	**98**	✓	Normal
2031 S1	**99**	✓	Normal
2031 S1	**100**	✓	Normal
2031 S1	**101**	✓	Normal
2031 S1	**102**	✓	Normal
2031 S1	**103**	✓	Normal
2031 S1	**104**	✓	Normal
2031 S1	**105**	✓	Normal
2031 S1	**106**	✓	Normal
2031 S1	**107**	✓	Normal
2031 S1	**108**	✓	Normal
2031 S1	**109**	✓	Normal
2031 S1	**110**	✓	Normal
2031 S1	**111**	✓	Normal
2031 S1	**112**	✓	Normal
2031 S1	**113**	✓	Normal
2031 S1	**114**	✓	Normal
2031 S1	**115**	✓	Normal
2031 S1	**116**	✓	Normal

Signal Timings

Network Default: 88s cycle time; 88 steps

Controller Stream 1

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

Controller Stream 1 - Properties

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

Controller Stream 1 - Optimisation

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

Phases

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

Library Stages

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

Losing/ Gaining delays at each Controller Stream

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

Stage Sequences

Controller Stream	Sequence	Name	Multiple Cycling	Stage IDs	Stage Ends
1	1	(untitled)	Single	1,2	67,20

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)
1	1	✓	1	A	34	67	33	1	7
1	2	✓	2	B,C	72	20	36	1	7

Resultant Phase Green Periods

Controller Stream	Phase	Green Period	Is Base Green Period	Start Time (s)	End Time (s)	Duration (s)
1	A	1	✓	34	67	33
1	B	1	✓	72	29	45
1	C	1	✓	72	20	36

Intergreen Matrix for Controller Stream 1

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

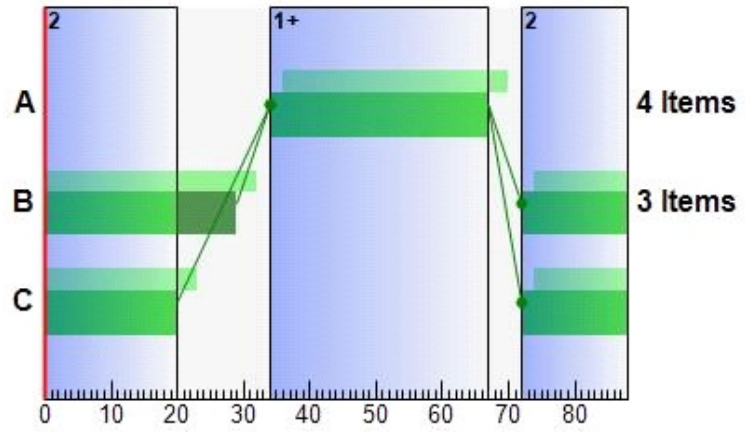
Interstage Matrix for Controller Stream 1

		To	
		1	2
From	1	0	5
	2	14	0

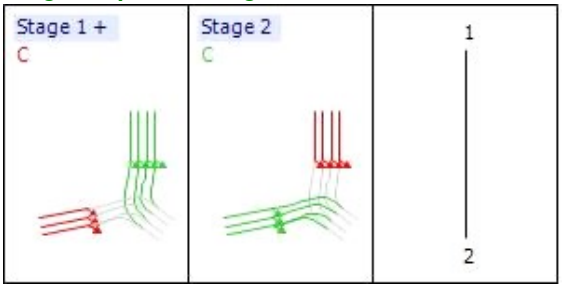
Banned Stage transitions for Controller Stream 1

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 1



Stage Sequence Diagram for Controller Stream 1



Controller Stream 2

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

Controller Stream 2 - Properties

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

Controller Stream 2 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
2	✓	✓	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	24,64

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)
2	1	✓	1	A	74	24	38	1	7
2	2	✓	2	B,C	29	64	35	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	✓	74	24	38
2	B	1	✓	29	69	40
2	C	1	✓	29	64	35

Intergreen Matrix for Controller Stream 2

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

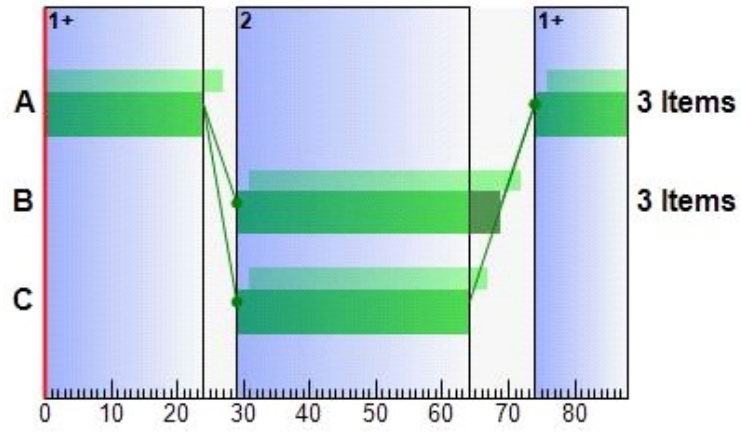
Interstage Matrix for Controller Stream 2

		To	
		1	2
From	1	0	5
	2	10	0

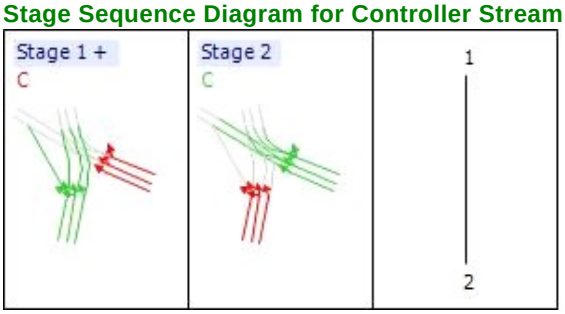
Banned Stage transitions for Controller Stream 2

		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	45,9

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	45	22	1	7
3	2	✓	2	B,C	50	9	47	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	45	22
3	B	1	✓	50	18	56
3	C	1	✓	50	9	47

Intergreen Matrix for Controller Stream 3

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

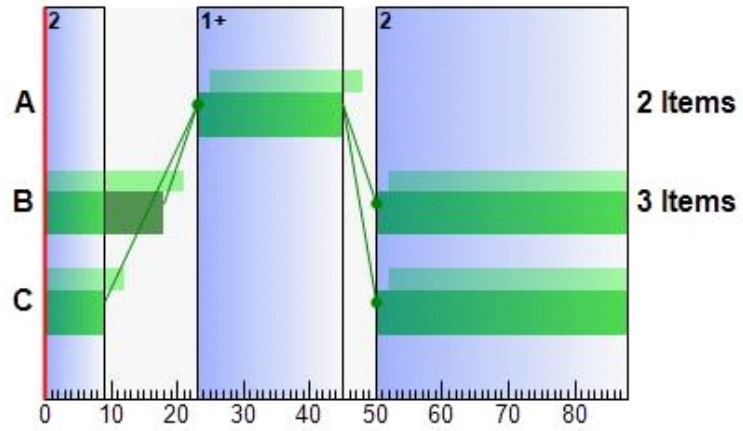
Interstage Matrix for Controller Stream 3

		To	
		1	2
From	1	0	5
	2	14	0

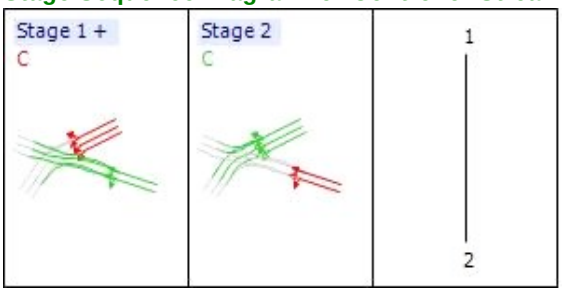
Banned Stage transitions for Controller Stream 3

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 3



Stage Sequence Diagram for Controller Stream 3



Controller Stream 5

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

Controller Stream 5 - Properties

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

Controller Stream 5 - Optimisation

Controller Stream	Allow Offset Optimisation	Allow Green Split Optimisation	Optimisation Level	Auto Redistribute	Enable Stage Constraint
5	✓	✓	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	47,57

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	68	47	67	1	7
5	**2**	✓	2	B	52	57	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**	✓	68	47	67
5	**B**	**1**	✓	52	57	5

Intergreen Matrix for Controller Stream 5

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

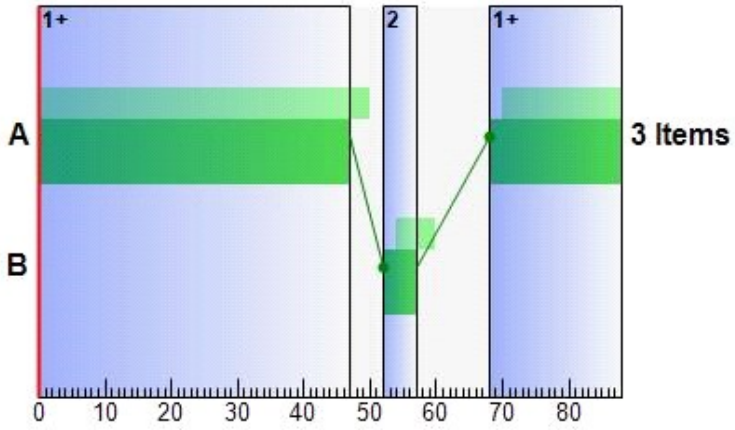
Interstage Matrix for Controller Stream 5

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

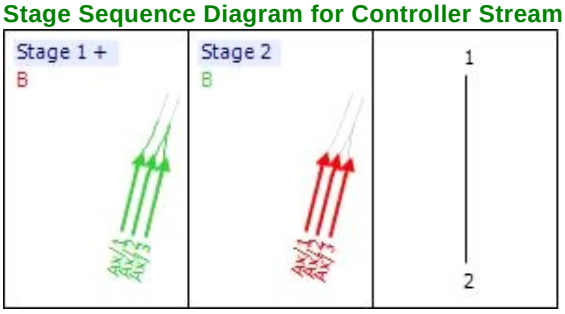
Banned Stage transitions for Controller Stream 5

		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	71,81

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	1	71	70	1	7
6	**2**	✓	2	B	76	81	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**	✓	1	71	70
6	**B**	**1**	✓	76	81	5

Intergreen Matrix for Controller Stream 6

		To	
		A	B
From	A		5
	B	8	

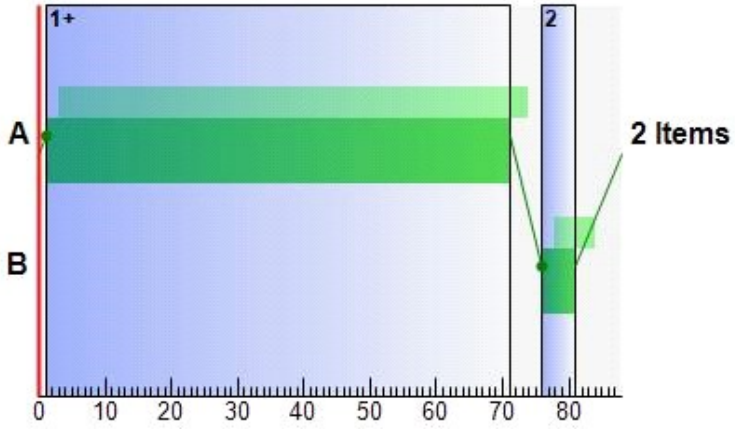
Interstage Matrix for Controller Stream 6

		To	
		1	2
From	1	0	5
	2	8	0

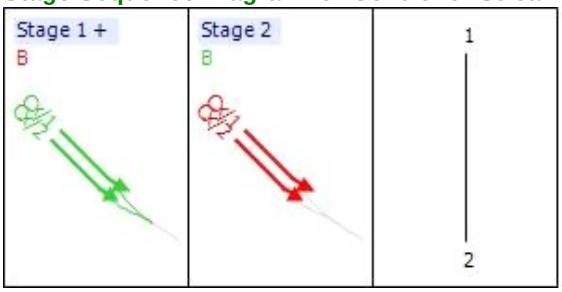
Banned Stage transitions for Controller Stream 6

		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

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	10,20

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)
7	1	✓	1	A	30	10	68	1	7
7	2	✓	2	B	15	20	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	✓	30	10	68
7	B	1	✓	15	20	5

Intergreen Matrix for Controller Stream 7

		To	
		A	B
From	A		5
	B	10	

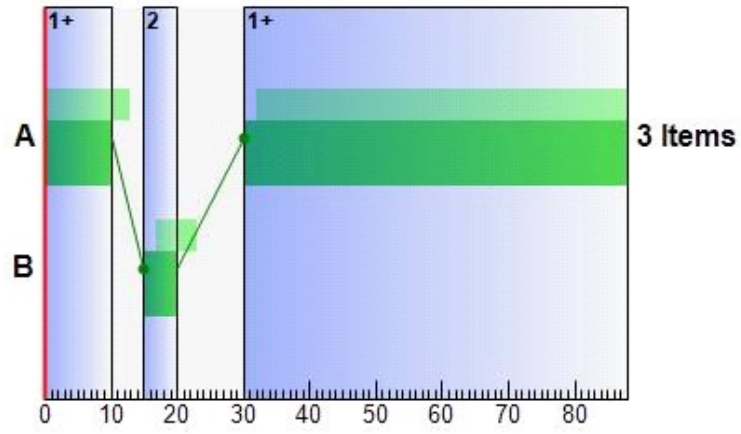
Interstage Matrix for Controller Stream 7

		To	
		1	2
From	1	0	5
	2	10	0

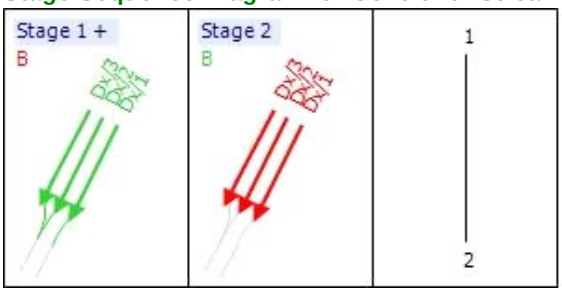
Banned Stage transitions for Controller Stream 7

		To	
		1	2
From	1		
	2		

Phase Timings Diagram for Controller Stream 7



Stage Sequence Diagram for Controller Stream 7



Final Prediction Table

Traffic Stream Results

				SIGNALS		FLOWS		PERFORMANCE				PER PCU			QUEUES	
Arm	Traffic Stream	Name	Traffic Node	Controller Stream	Phase	Calculated Flow Entering (PCU/hr)	Calculated Sat Flow (PCU/hr)	Actual Green (s (per cycle))	Wasted Time Total (s (per cycle))	Degree Of Saturation (%)	Practical Reserve Capacity (%)	Journey Time Per PCU (s)	Mean Delay Per PCU (s)	Mean Stops Per PCU (%)	Mean Max Queue (PCU)	Ma En Of Re Que (PC
1	1	(untitled)	5			778	1800	88	0.00	43	108	3.16	0.76	0.00	0.16	
1	2	(untitled)	5			1387	1800	88	0.00	77	17	5.72	3.32	0.00	1.28	
2	1	(untitled)	14			735 <	1800	88	54.00	41	120	3.42	1.02	17.96	9.33 +	
2	2	(untitled)	14			1656 <	1800	88	53.00	92!	-2	19.84	17.44	100.53	45.36 +	
A	1	(untitled)	1	1	A	460	2128	33	0.00	56	61	35.92	23.92	78.84	9.05	7.2
A	2	(untitled)	1	1	A	317	2279	33	0.00	36	150	38.41	20.41	70.31	5.57	4.8
A	3	A38 North Entry	1	1	A	764	2279	33	0.00	87	4	55.56	37.56	103.28	19.87	14.
A	4	(untitled)	1	1	A	623	2279	33	0.00	71	27	38.86	27.67	86.04	13.64	10.
B	1	(untitled)	2			18	277	88	77.00	7	1284	3.26	1.02	9.70	0.06	
B	2	(untitled)	2			31	619	88	48.00	5	1696	6.61	4.37	38.82	0.23	
C	1	(untitled)	3	3	A	785	3359 f	22	6.00	89	1	56.87	45.68	105.57	21.34	17.
C	2	(untitled)	3	3	A	783	3359 f	22	0.00	89	1	56.52	45.34	105.10	21.21	17.
D	1	(untitled)	4	2	A	802	2159	38	0.00	84	7	47.87	31.09	93.06	19.25	13.
D	2	(untitled)	4	2	A	860	2317	38	22.00	84	7	47.20	30.42	92.32	20.48	13.
D	3	(untitled)	4	2	A	860	2317	38	22.00	84	7	47.20	30.42	92.32	20.48	13.

E	**1**	(untitled)	5			358	346	88	0.00	103!	-13	158.63	143.72	201.63	20.59	
E	**2**	(untitled)	5			714 <	692	88	14.00	103!	-13	133.33	118.42	185.58	36.05 +	
F	**1**	(untitled)	11			738	2112	88	0.00	35	157	3.44	0.46	0.00	0.09	
F	**2**	(untitled)	11			738	2112	88	0.00	35	157	3.44	0.46	0.00	0.09	
G	**1**	(untitled)	11			605	626	88	0.00	97!	-7	53.10	45.64	45.88	9.69	
I	**1**	(untitled)	13			1070 <	620	88	0.00	172!	-48	765.96	758.51	93.18	225.45 +	
A1	**1**	(untitled)	14			1392	2112	88	0.00	66	37	9.10	1.64	0.00	0.64	
A1	**2**	(untitled)	14			772	2263	88	0.00	34	164	7.87	0.41	0.00	0.09	
Ac	**1**	(untitled)	1	1	B	467	2112	45	0.00	42	113	13.80	9.78	36.74	4.45	3.7
Ac	**2**	(untitled)	1	1	B	573 <	2263	45	0.00	48	86	16.97	12.94	57.43	8.61 +	6.1
Ac	**3**	(untitled)	1	1	B	395 <	2263	45	5.00	33	169	22.37	18.34	93.93	9.32 +	6.7
Ax	**1**	(untitled)	8	5	A	735	1965	67	12.00	48	86	13.55	7.96	50.06	9.77	6.6
Ax	**2**	(untitled)	8	5	A	1124	2105	67	68.00	69	30	10.27	4.68	16.60	4.72	4.4
Ax	**3**	(untitled)	8	5	A	532	2105	67	68.00	33	175	10.01	4.42	24.54	3.34	3.0
Ax1	**1**	A38 North Exit	10			1653 <	1800	88	0.00	92!	-2	25.81	13.81	82.01	40.93 +	
Ax1	**2**	A38 North Exit	10			738	1800	88	0.00	41	119	12.69	0.69	0.00	0.14	
Bc	**1**	(untitled)	6			927	1800	88	0.00	52	75	8.76	1.31	12.60	7.56	
Bc	**2**	(untitled)	6			891	1800	88	4.00	49	82	11.68	1.30	17.77	6.34	
Bc	**3**	(untitled)	6			962 <	1800	88	31.00	53	68	14.12	3.05	52.74	18.97 +	
Bc	**4**	(untitled)	6			820	1800	88	27.00	46	98	9.49	2.03	33.02	12.98	
Bc1	**1**	(untitled)	2			847	1800	88	0.00	47	91	3.12	0.89	0.00	0.21	
Bc1	**2**	(untitled)	2			891	1800	88	3.00	49	82	3.22	0.98	0.00	0.24	
Bc1	**3**	(untitled)	2			962	1800	88	31.00	53	68	3.38	1.14	0.00	0.31	
Bc1	**4**	(untitled)	2			820	1800	88	27.00	46	98	3.07	0.84	0.00	0.19	
Bx	**1**	(untitled)				81	1800	88	22.00	4	1912	7.50	0.05	0.00	0.00	
Cc	**1**	(untitled)	3	3	B	454	2059	56	3.00	34	165	7.56	2.71	18.49	3.53	1.4
Cc	**2**	(untitled)	3	3	B	967	2209	56	0.00	68	33	7.70	2.85	4.26	1.02	1.0
Cc	**3**	(untitled)	3	3	B	846	2181	56	0.00	60	50	7.45	2.61	14.42	5.95	1.7
Cx	**1**	A4097 Kinsbury Road Exit	9	6	A	865	2120	70	0.00	51	78	8.23	2.63	20.67	5.89	2.7
Cx	**2**	A4097 Kinsbury Road Exit	9	6	A	437	2120	70	0.00	26	252	6.18	0.58	2.31	0.28	0.2
Cx1	**1**	(untitled)				1302	1800	88	11.00	72	24	11.03	3.57	35.77	14.48	
Dc	**1**	(untitled)	4	2	B	461	2059	40	14.00	48	87	8.93	2.21	25.28	8.51	0.4
Dc	**2**	(untitled)	4	2	B	763	2172	40	0.00	75	19	26.61	19.90	76.49	15.35	6.3
Dc	**3**	(untitled)	4	2	B	530	2185	40	2.00	52	73	14.82	8.11	51.29	10.64	2.1
Dx	**1**	(untitled)	7	7	A	778 <	1915	68	4.00	52	74	10.46	7.33	56.01	11.40 +	4.9
Dx	**2**	(untitled)	7	7	A	967	2055	68	18.00	60	50	6.73	3.60	13.04	3.09	3.0
Dx	**3**	(untitled)	7	7	A	337	2055	68	18.00	21	331	8.14	5.00	28.34	2.35	2.3
Dx1	**1**	A38 South Exit				778	2155	88	11.00	36	149	14.45	0.47	0.00	0.10	
Dx1	**2**	A38 South Exit				1303	2155	88	6.00	60	49	15.36	1.38	8.47	6.62	

Ec	1	(untitled)	5			539	1800	88	4.00	30	201	5.27	0.43	0.00	0.06	
Ec	2	(untitled)	5			1124 <	1800	88	2.00	62	44	8.77	4.51	52.78	20.73 +	
Ec	3	(untitled)	5			1126 <	1800	88	11.00	63	44	8.22	4.49	52.52	20.72 +	
Ex	1	(untitled)				988	1800	88	14.00	55	64	8.94	1.48	12.46	9.00	
Ex	2	(untitled)				499	1800	88	41.00	28	225	7.84	0.38	0.00	0.05	
Fx	1	(untitled)	13			772	2112	88	0.00	37	146	3.47	0.49	0.00	0.11	
Fx	2	(untitled)	13			772	2112	88	0.00	37	146	3.47	0.49	0.00	0.11	
Gx	1	(untitled)				914	1980	88	0.00	46	95	8.24	0.78	0.00	0.20	
H-1	1	(untitled)	12			1006	2112	88	0.00	48	89	8.23	0.77	0.00	0.22	
H-1	2	(untitled)	12			772	2263	88	0.00	34	164	7.87	0.41	0.00	0.09	
Hx	1	(untitled)				1343	2112	88	0.00	64	42	8.94	1.48	0.00	0.55	
Hx	2	(untitled)				738	2263	88	0.00	33	176	7.84	0.38	0.00	0.08	
Ix	1	(untitled)				234	1980	88	0.00	12	662	7.58	0.12	0.00	0.01	

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	5204.29	482.45	10.79	70.47	306.11	4560.10	409.48	401.81	5371.39
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)	5204.29	482.45	10.79	70.47	306.11	4560.10	409.48	401.81	5371.39

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

Traffic Stream Results

Traffic Stream Results: Vehicle Summary

Time Segment	Arm	Traffic Stream	Degree Of Saturation (%)	Practical Reserve Capacity (%)	Calculated Flow Entering (PCU/hr)	Calculated Sat Flow (PCU/hr)	Actual Green (s (per cycle))	Mean Delay Per PCU (s)	Mean Max Queue (PCU)	Utilised Storage (%)	Weighted Cost Of Delay (£ per hr)	Weighted Cost Of Stops (£ per hr)	Performance Index (£ per hr)
17:00-18:00	1	1	43	108	778	1800	88	0.76	0.16	4.72	2.33	0.00	2.33
17:00-18:00	1	2	77	17	1387	1800	88	3.32	1.28	36.78	18.16	0.00	18.16
17:00-18:00	2	1	41	120	735	1800	88	1.02	9.33	268.15	2.95	1.66	4.61
17:00-18:00	2	2	92!	-2	1656	1800	88	17.44	45.36	1304.02	113.90	20.87	134.77
17:00-18:00	A	1	56	61	460	2128	33	23.92	9.05	52.05	17.37	0.00	17.37

17:00-18:00	A	2	36	150	317	2279	33	20.41	5.57	21.35	10.22	0.00	10.22
17:00-18:00	A	3	87	4	764	2279	33	37.56	19.87	76.17	45.28	0.00	45.28
17:00-18:00	A	4	71	27	623	2279	33	27.67	13.64	52.29	27.18	0.00	27.18
17:00-18:00	B	1	7	1284	18	277	88	1.02	0.06	1.10	0.07	0.06	0.13
17:00-18:00	B	2	5	1696	31	619	88	4.37	0.23	4.32	0.53	0.39	0.93
17:00-18:00	C	1	89	1	785	3359	22	45.68	21.34	61.35	56.58	0.00	56.58
17:00-18:00	C	2	89	1	783	3359	22	45.34	21.21	60.99	56.01	0.00	56.01
17:00-18:00	D	1	84	7	802	2159	38	31.09	19.25	36.89	39.35	0.00	39.35
17:00-18:00	D	2	84	7	860	2317	38	30.42	20.48	39.25	41.28	0.00	41.28
17:00-18:00	D	3	84	7	860	2317	38	30.42	20.48	39.25	41.28	0.00	41.28
17:00-18:00	E	1	103!	-13	358	346	88	143.72	20.59	59.19	81.18	22.68	103.86
17:00-18:00	E	2	103!	-13	714	692	88	118.42	36.05	103.65	133.40	41.69	175.10
17:00-18:00	F	1	35	157	738	2112	88	0.46	0.09	1.35	1.33	0.00	1.33
17:00-18:00	F	2	35	157	738	2112	88	0.46	0.09	1.35	1.33	0.00	1.33
17:00-18:00	G	1	97!	-7	605	626	88	45.64	9.69	55.70	108.92	9.01	117.93
17:00-18:00	I	1	172!	-48	1070	620	88	758.51	225.45	1296.31	3201.32	18.78	3220.10
17:00-18:00	A1	1	66	37	1392	2112	88	1.64	0.64	3.66	9.03	0.00	9.03
17:00-18:00	A1	2	34	164	772	2263	88	0.41	0.09	0.51	1.25	0.00	1.25
17:00-18:00	Ac	1	42	113	467	2112	45	9.78	4.45	63.51	18.01	5.57	23.58
17:00-18:00	Ac	2	48	86	573	2263	45	12.94	8.61	122.97	29.28	10.70	39.98
17:00-18:00	Ac	3	33	169	395	2263	45	18.34	9.32	133.12	28.60	12.06	40.66
17:00-18:00	Ax	1	48	86	735	1965	67	7.96	9.77	56.17	23.08	21.25	44.33
17:00-18:00	Ax	2	69	30	1124	2105	67	4.68	4.72	27.13	20.74	10.77	31.51
17:00-18:00	Ax	3	33	175	532	2105	67	4.42	3.34	19.21	9.27	7.54	16.81
17:00-18:00	Ax1	1	92!	-2	1653	1800	88	13.81	40.93	235.35	90.04	17.00	107.04
17:00-18:00	Ax1	2	41	119	738	1800	88	0.69	0.14	0.82	2.02	0.00	2.02
17:00-18:00	Bc	1	52	75	927	1800	88	1.31	7.56	43.44	4.77	3.79	8.57
17:00-18:00	Bc	2	49	82	891	1800	88	1.30	6.34	36.44	4.56	3.22	7.78
17:00-18:00	Bc	3	53	68	962	1800	88	3.05	18.97	109.05	11.57	7.32	18.89
17:00-18:00	Bc	4	46	98	820	1800	88	2.03	12.98	74.63	6.57	8.79	15.37

17:00-18:00	Bc1	1	47	91	847	1800	88	0.89	0.21	4.00	2.96	0.00	2.96
17:00-18:00	Bc1	2	49	82	891	1800	88	0.98	0.24	4.64	3.44	0.00	3.44
17:00-18:00	Bc1	3	53	68	962	1800	88	1.14	0.31	5.86	4.34	0.00	4.34
17:00-18:00	Bc1	4	46	98	820	1800	88	0.84	0.19	3.65	2.71	0.00	2.71
17:00-18:00	Bx	1	4	1912	81	1800	88	0.05	0.00	0.01	0.01	0.00	0.01
17:00-18:00	Cc	1	34	165	454	2059	56	2.71	3.53	58.84	4.85	2.72	7.57
17:00-18:00	Cc	2	68	33	967	2209	56	2.85	1.02	17.08	10.87	1.34	12.21
17:00-18:00	Cc	3	60	50	846	2181	56	2.61	5.95	99.17	8.70	3.96	12.66
17:00-18:00	Cx	1	51	78	865	2120	70	2.63	5.89	33.85	8.98	10.32	19.30
17:00-18:00	Cx	2	26	252	437	2120	70	0.58	0.28	1.63	1.00	0.58	1.59
17:00-18:00	Cx1	1	72	24	1302	1800	88	3.57	14.48	83.25	18.35	15.13	33.48
17:00-18:00	Dc	1	48	87	461	2059	40	2.21	8.51	54.36	40.27	37.85	78.12
17:00-18:00	Dc	2	75	19	763	2172	40	19.90	15.35	98.06	59.88	18.95	84.21
17:00-18:00	Dc	3	52	73	530	2185	40	8.11	10.64	67.96	16.94	8.82	25.76
17:00-18:00	Dx	1	52	74	778	1915	68	7.33	11.40	117.00	22.48	25.14	47.63
17:00-18:00	Dx	2	60	50	967	2055	68	3.60	3.09	31.78	13.72	7.27	20.99
17:00-18:00	Dx	3	21	331	337	2055	68	5.00	2.35	24.11	6.65	5.51	12.15
17:00-18:00	Dx1	1	36	149	778	2155	88	0.47	0.10	0.23	1.45	0.00	1.45
17:00-18:00	Dx1	2	60	49	1303	2155	88	1.38	6.62	15.22	7.08	6.37	13.46
17:00-18:00	Ec	1	30	201	539	1800	88	0.43	0.06	0.74	0.91	0.00	0.91
17:00-18:00	Ec	2	62	44	1124	1800	88	4.51	20.73	238.38	19.99	19.16	237.46
17:00-18:00	Ec	3	63	44	1126	1800	88	4.49	20.72	238.28	19.96	19.20	237.28
17:00-18:00	Ex	1	55	64	988	1800	88	1.48	9.00	51.75	5.77	4.00	9.77
17:00-18:00	Ex	2	28	225	499	1800	88	0.38	0.05	0.31	0.75	0.00	0.75
17:00-18:00	Fx	1	37	146	772	2112	88	0.49	0.11	1.51	1.49	0.00	1.49
17:00-18:00	Fx	2	37	146	772	2112	88	0.49	0.11	1.51	1.49	0.00	1.49
17:00-18:00	Gx	1	46	95	914	1980	88	0.78	0.20	1.14	2.81	0.00	2.81
17:00-18:00	H-1	1	48	89	1006	2112	88	0.77	0.22	1.24	3.07	0.00	3.07
17:00-18:00	H-1	2	34	164	772	2263	88	0.41	0.09	0.51	1.25	0.00	1.25
17:00-18:00	Hx	1	64	42	1343	2112	88	1.48	0.55	3.19	7.87	0.00	7.87

17:00-18:00	Hx	2	33	176	738	2263	88	0.38	0.08	0.45	1.12	0.00	1.12
17:00-18:00	Ix	1	12	662	234	1980	88	0.12	0.01	0.05	0.11	0.00	0.11

Traffic Stream Results: Flows And Signals

Time Segment	Arm	Traffic Stream	Calculated Flow Entering (PCU/hr)	Calculated Flow Out (PCU/hr)	Flow Discrepancy (PCU/hr)	Adjusted Flow Warning	Calculated Sat Flow (PCU/hr)	Calculated Capacity (PCU/hr)	Degree Of Saturation (%)	DOS Threshold Exceeded	Practical Reserve Capacity (%)	Mean Modulus Of Error	Actual Green (s (per cycle))	Effective Green (s (per cycle))
17:00-18:00	1	1	778	778	164	✓	1800	1800	43		108	0.00	88	88
17:00-18:00	1	2	1387	1387	282	✓	1800	1800	77		17	0.00	88	88
17:00-18:00	2	1	735	735	35	✓	1800	1800	41		120	0.67	88	88
17:00-18:00	2	2	1656	1656	59	✓	1800	1800	92!	✓	-2	0.57	88	88
17:00-18:00	A	1	460	460	49	✓	2128	822	56		61	0.00	33	34
17:00-18:00	A	2	317	317	116	✓	2279	881	36		150	0.00	33	34
17:00-18:00	A	3	764	764	70	✓	2279	881	87		4	0.00	33	34
17:00-18:00	A	4	623	623	212	✓	2279	881	71		27	0.00	33	34
17:00-18:00	B	1	18	18	0		277	277	7		1284	0.00	88	88
17:00-18:00	B	2	31	31	2		619	619	5		1696	0.00	88	88
17:00-18:00	C	1	785	785	0		3359	878	89		1	0.00	22	23
17:00-18:00	C	2	783	783	2		3359	878	89		1	0.00	22	23
17:00-18:00	D	1	802	802	0		2159	957	84		7	0.00	38	39
17:00-18:00	D	2	860	860	1		2317	1027	84		7	0.00	38	39
17:00-18:00	D	3	860	860	1		2317	1027	84		7	0.00	38	39
17:00-18:00	E	1	358	346	-1		346	346	103!	✓	-13	0.00	88	88
17:00-18:00	E	2	714	692	-1		692	692	103!	✓	-13	0.00	88	88
17:00-18:00	F	1	738	738	17	✓	2112	2112	35		157	0.18	88	88
17:00-18:00	F	2	738	738	17	✓	2112	2112	35		157	0.22	88	88
17:00-18:00	G	1	605	605	0		626	626	97!	✓	-7	0.00	88	88
17:00-18:00	I	1	1070	620	2		620	620	172!	✓	-48	0.00	88	88
17:00-18:00	A1	1	1392	1392	449	✓	2112	2112	66		37	0.00	88	88
17:00-18:00	A1	2	772	772	-3	✓	2263	2263	34		164	0.00	88	88
17:00-18:00	Ac	1	467	467	5	✓	2112	1104	42		113	0.43	45	46
17:00-18:00	Ac	2	573	573	9	✓	2263	1183	48		86	0.20	45	46

17:00-18:00	Ac	3	395	395	12	✓	2263	1183	33		169	0.78	45	46
17:00-18:00	Ax	1	735	735	35	✓	1965	1518	48		86	0.27	67	68
17:00-18:00	Ax	2	1124	1124	30	✓	2105	1627	69		30	0.53	67	68
17:00-18:00	Ax	3	532	532	30	✓	2105	1627	33		175	0.40	67	68
17:00-18:00	Ax1	1	1653	1653	77	✓	1800	1800	92!	✓	-2	0.22	88	88
17:00-18:00	Ax1	2	738	738	17	✓	1800	1800	41		119	0.22	88	88
17:00-18:00	Bc	1	927	927	53	✓	1800	1800	52		75	0.51	88	88
17:00-18:00	Bc	2	891	891	125	✓	1800	1800	49		82	0.63	88	88
17:00-18:00	Bc	3	962	962	76	✓	1800	1800	53		68	0.83	88	88
17:00-18:00	Bc	4	820	820	218	✓	1800	1800	46		98	0.83	88	88
17:00-18:00	Bc1	1	847	847	49	✓	1800	1800	47		91	0.50	88	88
17:00-18:00	Bc1	2	891	891	125	✓	1800	1800	49		82	0.60	88	88
17:00-18:00	Bc1	3	962	962	76	✓	1800	1800	53		68	0.82	88	88
17:00-18:00	Bc1	4	820	820	218	✓	1800	1800	46		98	0.80	88	88
17:00-18:00	Bx	1	81	81	4	✓	1800	1800	4		1912	0.31	88	88
17:00-18:00	Cc	1	454	454	77	✓	2059	1334	34		165	0.83	56	57
17:00-18:00	Cc	2	967	967	76	✓	2209	1431	68		33	0.80	56	57
17:00-18:00	Cc	3	846	846	220	✓	2181	1413	60		50	0.74	56	57
17:00-18:00	Cx	1	865	865	49	✓	2120	1710	51		78	0.44	70	71
17:00-18:00	Cx	2	437	437	48	✓	2120	1710	26		252	0.57	70	71
17:00-18:00	Cx1	1	1302	1302	97	✓	1800	1800	72		24	0.42	88	88
17:00-18:00	Dc	1	461	461	0		2059	959	48		87	1.42	40	41
17:00-18:00	Dc	2	763	763	87	✓	2172	1012	75		19	0.73	40	41
17:00-18:00	Dc	3	530	530	58	✓	2185	1018	52		73	0.96	40	41
17:00-18:00	Dx	1	778	778	77	✓	1915	1502	52		74	0.69	68	69
17:00-18:00	Dx	2	967	967	76	✓	2055	1611	60		50	0.79	68	69
17:00-18:00	Dx	3	337	337	76	✓	2055	1611	21		331	0.80	68	69
17:00-18:00	Dx1	1	778	778	77	✓	2155	2155	36		149	0.80	88	88
17:00-18:00	Dx1	2	1303	1303	153	✓	2155	2155	60		49	0.62	88	88
17:00-18:00	Ec	1	539	539	29	✓	1800	1800	30		201	0.56	88	88

17:00-18:00	Ec	2	1124	1124	30	✓	1800	1800	62		44	0.66	88	88
17:00-18:00	Ec	3	1126	1126	30	✓	1800	1800	63		44	0.66	88	88
17:00-18:00	Ex	1	988	988	0		1800	1800	55		64	0.62	88	88
17:00-18:00	Ex	2	499	499	58	✓	1800	1800	28		225	1.00	88	88
17:00-18:00	Fx	1	772	772	-3	✓	2112	2112	37		146	0.00	88	88
17:00-18:00	Fx	2	772	772	-3	✓	2112	2112	37		146	0.00	88	88
17:00-18:00	Gx	1	914	914	61	✓	1980	1980	46		95	0.13	88	88
17:00-18:00	H-1	1	1006	1006	-3	✓	2112	2112	48		89	0.00	88	88
17:00-18:00	H-1	2	772	772	-3	✓	2263	2263	34		164	0.00	88	88
17:00-18:00	Hx	1	1343	1343	17	✓	2112	2112	64		42	0.09	88	88
17:00-18:00	Hx	2	738	738	17	✓	2263	2263	33		176	0.21	88	88
17:00-18:00	Ix	1	234	234	0		1980	1980	12		662	0.00	88	88

Traffic Stream Results: Stops And Delays

Time Segment	Arm	Traffic Stream	Mean Cruise Time Per PCU (s)	Mean Delay Per PCU (s)	Uniform Delay (PCU-hr/hr)	Random Plus Oversat Delay (PCU-hr/hr)	Unweighted Cost Of Delay (£ per hr)	Weighted Cost Of Delay (£ per hr)	Mean Stops Per PCU (%)	Uniform Stops (Stops per hr)	Random Stops (Stops per hr)	Unweighted Cost Of Stops (£ per hr)	Weighted Cost Of Stops (£ per hr)
17:00-18:00	1	1	2.40	0.76	0.00	0.16	2.33	2.33	0.00	0.00	0.00	0.00	0.00
17:00-18:00	1	2	2.40	3.32	0.00	1.28	18.16	18.16	0.00	0.00	0.00	0.00	0.00
17:00-18:00	2	1	2.40	1.02	0.07	0.14	2.95	2.95	17.96	126.29	5.75	1.66	1.66
17:00-18:00	2	2	2.40	17.44	3.14	4.88	113.90	113.90	100.53	1470.59	193.91	20.87	20.87
17:00-18:00	A	1	12.00	23.92	2.70	0.35	43.44	17.37	78.84	348.62	14.39	4.55	0.00
17:00-18:00	A	2	18.00	20.41	1.70	0.10	25.55	10.22	70.31	219.07	4.14	2.80	0.00
17:00-18:00	A	3	18.00	37.56	5.29	2.68	113.19	45.28	103.28	683.19	105.85	9.89	0.00
17:00-18:00	A	4	11.18	27.67	3.94	0.84	67.96	27.18	86.04	501.66	34.02	17.40	0.00
17:00-18:00	B	1	2.24	1.02	0.00	0.00	0.07	0.07	9.70	1.65	0.09	0.06	0.06
17:00-18:00	B	2	2.24	4.37	0.04	0.00	0.53	0.53	38.82	11.93	0.11	0.39	0.39
17:00-18:00	C	1	11.19	45.68	6.50	3.46	141.45	56.58	105.57	693.50	135.25	47.84	0.00
17:00-18:00	C	2	11.19	45.34	6.48	3.38	140.03	56.01	105.10	690.62	132.29	47.50	0.00
17:00-18:00	D	1	16.78	31.09	4.84	2.09	98.37	39.35	93.06	663.00	83.33	43.08	0.00
17:00-18:00	D	2	16.78	30.42	5.18	2.09	103.21	41.28	92.32	710.74	83.23	45.83	0.00

17:00-18:00	**D**	**3**	16.78	30.42	5.18	2.09	103.21	41.28	92.32	710.74	83.23	45.83	0.00
17:00-18:00	**E**	**1**	14.91	143.72	1.98	12.31	202.95	81.18	201.63	336.78	361.68	22.68	22.68
17:00-18:00	**E**	**2**	14.91	118.42	3.96	19.53	333.51	133.40	185.58	672.05	611.83	41.69	41.69
17:00-18:00	**F**	**1**	2.98	0.46	0.00	0.09	1.33	1.33	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**F**	**2**	2.98	0.46	0.00	0.09	1.33	1.33	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**G**	**1**	7.46	45.64	0.00	7.67	108.92	108.92	45.88	1.19	276.37	9.01	9.01
17:00-18:00	**I**	**1**	7.46	758.51	0.00	225.45	3201.32	3201.32	93.18	578.18	0.00	18.78	18.78
17:00-18:00	**A1**	**1**	7.46	1.64	0.00	0.64	9.03	9.03	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**A1**	**2**	7.46	0.41	0.00	0.09	1.25	1.25	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Ac**	**1**	4.03	9.78	1.11	0.15	18.01	18.01	36.74	165.25	6.31	5.57	5.57
17:00-18:00	**Ac**	**2**	4.03	12.94	1.83	0.23	29.28	29.28	57.43	320.10	9.27	10.70	10.70
17:00-18:00	**Ac**	**3**	4.03	18.34	1.93	0.08	28.60	28.60	93.93	367.89	3.42	12.06	12.06
17:00-18:00	**Ax**	**1**	5.59	7.96	1.40	0.23	23.08	23.08	50.06	358.84	9.25	21.25	21.25
17:00-18:00	**Ax**	**2**	5.59	4.68	0.69	0.77	20.74	20.74	16.60	155.39	31.19	10.77	10.77
17:00-18:00	**Ax**	**3**	5.59	4.42	0.57	0.08	9.27	9.27	24.54	127.30	3.24	7.54	7.54
17:00-18:00	**Ax1**	**1**	12.00	13.81	1.56	4.78	90.04	90.04	82.01	1165.52	189.94	17.00	17.00
17:00-18:00	**Ax1**	**2**	12.00	0.69	0.00	0.14	2.02	2.02	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Bc**	**1**	7.46	1.31	0.06	0.27	4.77	4.77	12.60	94.58	22.23	3.79	3.79
17:00-18:00	**Bc**	**2**	10.38	1.30	0.08	0.24	4.56	4.56	17.77	138.65	19.70	3.22	3.22
17:00-18:00	**Bc**	**3**	11.07	3.05	0.51	0.31	11.57	11.57	52.74	494.69	12.47	7.32	7.32
17:00-18:00	**Bc**	**4**	7.46	2.03	0.27	0.19	6.57	6.57	33.02	263.05	7.77	8.79	8.79
17:00-18:00	**Bc1**	**1**	2.24	0.89	0.00	0.21	2.96	2.96	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Bc1**	**2**	2.24	0.98	0.00	0.24	3.44	3.44	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Bc1**	**3**	2.24	1.14	0.00	0.31	4.34	4.34	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Bc1**	**4**	2.24	0.84	0.00	0.19	2.71	2.71	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Bx**	**1**	7.46	0.05	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00
17:00-18:00	**Cc**	**1**	4.85	2.71	0.25	0.09	4.85	4.85	18.49	80.31	3.58	2.72	2.72
17:00-18:00	**Cc**	**2**	4.85	2.85	0.07	0.70	10.87	10.87	4.26	12.75	28.40	1.34	1.34
17:00-18:00	**Cc**	**3**	4.85	2.61	0.17	0.45	8.70	8.70	14.42	103.91	18.14	3.96	3.96
17:00-18:00	**Cx**	**1**	5.59	2.63	0.37	0.26	8.98	8.98	20.67	168.26	10.53	10.32	10.32

17:00-18:00	Cx	2	5.59	0.58	0.03	0.04	1.00	1.00	2.31	8.32	1.79	0.58	0.58
17:00-18:00	Cx1	1	7.46	3.57	0.35	0.94	18.35	18.35	35.77	390.05	75.78	15.13	15.13
17:00-18:00	Dc	1	6.71	2.21	0.06	0.22	4.03	40.27	25.28	98.59	17.96	3.78	37.85
17:00-18:00	Dc	2	6.71	19.90	3.08	1.14	59.88	59.88	76.49	537.73	45.82	18.95	18.95
17:00-18:00	Dc	3	6.71	8.11	0.91	0.28	16.94	16.94	51.29	260.25	11.45	8.82	8.82
17:00-18:00	Dx	1	3.13	7.33	1.31	0.28	22.48	22.48	56.01	413.03	22.55	25.14	25.14
17:00-18:00	Dx	2	3.13	3.60	0.52	0.45	13.72	13.72	13.04	107.75	18.25	7.27	7.27
17:00-18:00	Dx	3	3.13	5.00	0.44	0.03	6.65	6.65	28.34	94.28	1.13	5.51	5.51
17:00-18:00	Dx1	1	13.98	0.47	0.00	0.10	1.45	1.45	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Dx1	2	13.98	1.38	0.04	0.46	7.08	7.08	8.47	54.39	56.04	6.37	6.37
17:00-18:00	Ec	1	4.84	0.43	0.00	0.06	0.91	0.91	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Ec	2	4.26	4.51	0.89	0.52	19.99	19.99	52.78	572.11	21.06	19.16	19.16
17:00-18:00	Ec	3	3.73	4.49	0.88	0.52	19.96	19.96	52.52	570.07	21.19	19.20	19.20
17:00-18:00	Ex	1	7.46	1.48	0.07	0.33	5.77	5.77	12.46	109.48	13.58	4.00	4.00
17:00-18:00	Ex	2	7.46	0.38	0.00	0.05	0.75	0.75	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Fx	1	2.98	0.49	0.00	0.11	1.49	1.49	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Fx	2	2.98	0.49	0.00	0.11	1.49	1.49	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Gx	1	7.46	0.78	0.00	0.20	2.81	2.81	0.00	0.00	0.00	0.00	0.00
17:00-18:00	H-1	1	7.46	0.77	0.00	0.22	3.07	3.07	0.00	0.00	0.00	0.00	0.00
17:00-18:00	H-1	2	7.46	0.41	0.00	0.09	1.25	1.25	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Hx	1	7.46	1.48	0.00	0.55	7.87	7.87	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Hx	2	7.46	0.38	0.00	0.08	1.12	1.12	0.00	0.00	0.00	0.00	0.00
17:00-18:00	Ix	1	7.46	0.12	0.00	0.01	0.11	0.11	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	0.16	3.48	4.72	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	1	2	0.00	1.28	3.48	36.78	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	2	1	0.00	9.33	3.48	268.15	0.46	0.00	0.00			18.00	36.00	54.00	

17:00-18:00	**2**	**2**	0.00	45.36	3.48	1304.02	22.95	0.00	0.00			0.00	53.00	53.00	
17:00-18:00	**A**	**1**	0.00	9.05	17.39	52.05	0.00	0.00	0.00	0.35	7.26	0.00	0.00	0.00	
17:00-18:00	**A**	**2**	0.00	5.57	26.09	21.35	0.00	0.00	0.00	0.10	4.86	0.00	0.00	0.00	
17:00-18:00	**A**	**3**	0.00	19.87	26.09	76.17	0.00	0.00	0.00	2.68	14.14	0.00	0.00	0.00	
17:00-18:00	**A**	**4**	0.00	13.64	26.09	52.29	0.00	0.00	0.00	0.84	10.18	0.00	0.00	0.00	
17:00-18:00	**B**	**1**	0.00	0.06	5.22	1.10	0.00	0.00	0.00			77.00	0.00	77.00	
17:00-18:00	**B**	**2**	0.00	0.23	5.22	4.32	0.00	0.00	0.00			48.00	0.00	48.00	
17:00-18:00	**C**	**1**	0.00	21.34	34.78	61.35	0.00	0.00	0.00	3.46	17.63	0.00	6.00	6.00	
17:00-18:00	**C**	**2**	0.00	21.21	34.78	60.99	0.00	0.00	0.00	3.38	17.52	0.00	0.00	0.00	
17:00-18:00	**D**	**1**	0.00	19.25	52.17	36.89	0.00	0.00	0.00	2.09	13.01	0.00	0.00	0.00	
17:00-18:00	**D**	**2**	0.00	20.48	52.17	39.25	0.00	0.00	0.00	2.09	13.79	0.00	22.00	22.00	
17:00-18:00	**D**	**3**	0.00	20.48	52.17	39.25	0.00	0.00	0.00	2.09	13.79	0.00	22.00	22.00	
17:00-18:00	**E**	**1**	0.00	20.59	34.78	59.19	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	**E**	**2**	0.00	36.05	34.78	103.65	0.06	0.00	0.00			0.00	14.00	14.00	
17:00-18:00	**F**	**1**	0.00	0.09	6.96	1.35	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	**F**	**2**	0.00	0.09	6.96	1.35	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	**G**	**1**	0.00	9.69	17.39	55.70	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	**I**	**1**	0.00	225.45	17.39	1296.31	208.05	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	**A1**	**1**	0.00	0.64	17.39	3.66	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	**A1**	**2**	0.00	0.09	17.39	0.51	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	**Ac**	**1**	0.00	4.45	7.00	63.51	0.00	0.00	0.00	0.15	3.75	0.00	0.00	0.00	
17:00-18:00	**Ac**	**2**	0.00	8.61	7.00	122.97	0.09	0.09	0.00	0.23	6.13	0.00	0.00	0.00	
17:00-18:00	**Ac**	**3**	0.00	9.32	7.00	133.12	0.23	0.23	0.00	0.08	6.75	0.00	5.00	5.00	
17:00-18:00	**Ax**	**1**	0.00	9.77	17.39	56.17	0.00	0.00	0.00	0.23	6.67	0.00	12.00	12.00	
17:00-18:00	**Ax**	**2**	0.00	4.72	17.39	27.13	0.00	0.00	0.00	0.77	4.43	0.00	68.00	68.00	
17:00-18:00	**Ax**	**3**	0.00	3.34	17.39	19.21	0.00	0.00	0.00	0.08	3.08	1.00	67.00	68.00	
17:00-18:00	**Ax1**	**1**	0.00	40.93	17.39	235.35	7.51	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	**Ax1**	**2**	0.00	0.14	17.39	0.82	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	**Bc**	**1**	0.00	7.56	17.39	43.44	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	**Bc**	**2**	0.00	6.34	17.39	36.44	0.00	0.00	0.00			4.00	0.00	4.00	

17:00-18:00	Bc	3	0.00	18.97	17.39	109.05	0.05	0.29	0.00			31.00	0.00	31.00	
17:00-18:00	Bc	4	0.00	12.98	17.39	74.63	0.00	0.00	0.00			27.00	0.00	27.00	
17:00-18:00	Bc1	1	0.00	0.21	5.22	4.00	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Bc1	2	0.00	0.24	5.22	4.64	0.00	0.00	0.00			3.00	0.00	3.00	
17:00-18:00	Bc1	3	0.00	0.31	5.22	5.86	0.00	0.00	0.00			31.00	0.00	31.00	
17:00-18:00	Bc1	4	0.00	0.19	5.22	3.65	0.00	0.00	0.00			27.00	0.00	27.00	
17:00-18:00	Bx	1	0.00	0.00	17.39	0.01	0.00	0.00	0.00			22.00	0.00	22.00	
17:00-18:00	Cc	1	0.00	3.53	6.00	58.84	0.00	0.00	0.00	0.09	1.43	3.00	0.00	3.00	
17:00-18:00	Cc	2	0.00	1.02	6.00	17.08	0.00	0.00	0.00	0.70	1.02	0.00	0.00	0.00	
17:00-18:00	Cc	3	0.00	5.95	6.00	99.17	0.00	0.00	0.00	0.45	1.70	0.00	0.00	0.00	
17:00-18:00	Cx	1	0.00	5.89	17.39	33.85	0.00	0.00	0.00	0.26	2.76	0.00	0.00	0.00	
17:00-18:00	Cx	2	0.00	0.28	17.39	1.63	0.00	0.00	0.00	0.04	0.28	0.00	0.00	0.00	
17:00-18:00	Cx1	1	0.00	14.48	17.39	83.25	0.00	0.00	0.00			11.00	0.00	11.00	
17:00-18:00	Dc	1	0.00	8.51	15.65	54.36	0.00	0.00	0.00	0.22	0.45	14.00	0.00	14.00	
17:00-18:00	Dc	2	0.00	15.35	15.65	98.06	0.00	0.18	5.37	1.14	6.38	0.00	0.00	0.00	
17:00-18:00	Dc	3	0.00	10.64	15.65	67.96	0.00	0.00	0.00	0.28	2.18	0.00	2.00	2.00	
17:00-18:00	Dx	1	0.00	11.40	9.74	117.00	0.13	0.00	0.00	0.28	4.99	4.00	0.00	4.00	
17:00-18:00	Dx	2	0.00	3.09	9.74	31.78	0.00	0.00	0.00	0.45	3.09	18.00	0.00	18.00	
17:00-18:00	Dx	3	0.00	2.35	9.74	24.11	0.00	0.00	0.00	0.03	2.35	18.00	0.00	18.00	
17:00-18:00	Dx1	1	0.00	0.10	43.48	0.23	0.00	0.00	0.00			11.00	0.00	11.00	
17:00-18:00	Dx1	2	0.00	6.62	43.48	15.22	0.00	0.00	0.00			6.00	0.00	6.00	
17:00-18:00	Ec	1	0.00	0.06	8.70	0.74	0.00	0.00	0.00			4.00	0.00	4.00	
17:00-18:00	Ec	2	0.00	20.73	8.70	238.38	2.40	3.31	198.31			2.00	0.00	2.00	
17:00-18:00	Ec	3	0.00	20.72	8.70	238.28	2.39	3.30	198.12			3.00	8.00	11.00	
17:00-18:00	Ex	1	0.00	9.00	17.39	51.75	0.00	0.00	0.00			14.00	0.00	14.00	
17:00-18:00	Ex	2	0.00	0.05	17.39	0.31	0.00	0.00	0.00			41.00	0.00	41.00	
17:00-18:00	Fx	1	0.00	0.11	6.96	1.51	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Fx	2	0.00	0.11	6.96	1.51	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Gx	1	0.00	0.20	17.39	1.14	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	H-1	1	0.00	0.22	17.39	1.24	0.00	0.00	0.00			0.00	0.00	0.00	

17:00-18:00	H-1	2	0.00	0.09	17.39	0.51	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Hx	1	0.00	0.55	17.39	3.19	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Hx	2	0.00	0.08	17.39	0.45	0.00	0.00	0.00			0.00	0.00	0.00	
17:00-18:00	Ix	1	0.00	0.01	17.39	0.05	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	89	21.34	878	1
17:00-18:00	C	2	✓	Quick Flare	89	21.21	878	1

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	0.16			0.00	2.33	2.3
17:00-18:00	1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.29			0.00	18.16	18.
17:00-18:00	2	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.33			0.00	4.61	4.6
17:00-18:00	2	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	45.54			0.00	134.77	134.
17:00-18:00	A	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.05	0.36	7.26	0.00	47.99	17.
17:00-18:00	A	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.57	0.10	4.86	0.00	28.35	10.
17:00-18:00	A	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	19.95	2.76	14.22	0.00	123.08	45.
17:00-18:00	A	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	13.65	0.85	10.19	0.00	85.36	27.
17:00-18:00	B	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.06			0.00	0.13	0.1
17:00-18:00	B	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.23			0.00	0.93	0.9
17:00-18:00	C	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	21.49	3.61	17.78	0.00	189.29	56.
17:00-18:00	C	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	21.35	3.52	17.66	0.00	187.53	56.
17:00-18:00	D	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	19.28	2.13	13.05	0.00	141.45	39.
17:00-18:00	D	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	20.52	2.12	13.83	0.00	149.04	41.
17:00-18:00	D	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	20.52	2.12	13.83	0.00	149.04	41.
17:00-18:00	E	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	28.17			0.00	225.63	103.
17:00-18:00	E	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	49.04			0.00	375.20	175.
17:00-18:00	F	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.09			0.00	1.33	1.3

17:00-18:00	F	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.09			0.00	1.33	1.3
17:00-18:00	G	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	11.39			0.00	117.93	117.
17:00-18:00	I	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	450.21			0.00	3220.10	3220
17:00-18:00	A1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.64			0.00	9.03	9.0
17:00-18:00	A1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.09			0.00	1.25	1.2
17:00-18:00	Ac	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.45	0.15	3.75	0.00	23.58	23.
17:00-18:00	Ac	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	8.61	0.23	6.13	0.00	39.98	39.
17:00-18:00	Ac	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.32	0.08	6.75	0.00	40.66	40.
17:00-18:00	Ax	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.77	0.23	6.67	0.00	44.33	44.
17:00-18:00	Ax	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	4.72	0.77	4.43	0.00	31.51	31.
17:00-18:00	Ax	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.34	0.08	3.08	0.00	16.81	16.
17:00-18:00	Ax1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	41.10			0.00	107.04	107.
17:00-18:00	Ax1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.14			0.00	2.02	2.0
17:00-18:00	Bc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	7.56			0.00	8.57	8.5
17:00-18:00	Bc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.34			0.00	7.78	7.7
17:00-18:00	Bc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	18.97			0.00	18.89	18.
17:00-18:00	Bc	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	12.98			0.00	15.37	15.
17:00-18:00	Bc1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.21			0.00	2.96	2.9
17:00-18:00	Bc1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.24			0.00	3.44	3.4
17:00-18:00	Bc1	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.31			0.00	4.34	4.3
17:00-18:00	Bc1	4	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.19			0.00	2.71	2.7
17:00-18:00	Bx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.00			0.00	0.01	0.0
17:00-18:00	Cc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.53	0.09	1.43	0.00	7.57	7.5
17:00-18:00	Cc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	1.03	0.70	1.03	0.00	12.21	12.
17:00-18:00	Cc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.95	0.45	1.71	0.00	12.66	12.
17:00-18:00	Cx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	5.89	0.26	2.76	0.00	19.30	19.
17:00-18:00	Cx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.28	0.04	0.28	0.00	1.59	1.5
17:00-18:00	Cx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	14.48			0.00	33.48	33.
17:00-18:00	Dc	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	8.51	0.22	0.45	0.00	7.81	78.
17:00-18:00	Dc	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	15.36	1.15	6.39	5.37	78.83	84.

17:00-18:00	Dc	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	10.64	0.28	2.18	0.00	25.76	25.
17:00-18:00	Dx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	11.40	0.28	4.99	0.00	47.63	47.
17:00-18:00	Dx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	3.10	0.45	3.10	0.00	20.99	20.
17:00-18:00	Dx	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	2.35	0.03	2.35	0.00	12.15	12.
17:00-18:00	Dx1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.10			0.00	1.45	1.4
17:00-18:00	Dx1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	6.62			0.00	13.46	13.
17:00-18:00	Ec	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.06			0.00	0.91	0.9
17:00-18:00	Ec	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	20.73			198.31	39.15	237.
17:00-18:00	Ec	3	0.00	0.00	0.00	0.00	0.00	✓	0.00	20.72			198.12	39.16	237.
17:00-18:00	Ex	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	9.00			0.00	9.77	9.7
17:00-18:00	Ex	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.05			0.00	0.75	0.7
17:00-18:00	Fx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.11			0.00	1.49	1.4
17:00-18:00	Fx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.11			0.00	1.49	1.4
17:00-18:00	Gx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.20			0.00	2.81	2.8
17:00-18:00	H-1	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.22			0.00	3.07	3.0
17:00-18:00	H-1	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.09			0.00	1.25	1.2
17:00-18:00	Hx	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.55			0.00	7.87	7.8
17:00-18:00	Hx	2	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.08			0.00	1.12	1.1
17:00-18:00	Ix	1	0.00	0.00	0.00	0.00	0.00	✓	0.00	0.01			0.00	0.11	0.1

Network Results

Run Summary

Analysis Set Used	Run Start Time	Run Finish Time	Modelling Start Time (HH:mm)	Network Cycle Time (s)	Total Network Delay (PCU-hr/hr)	Highest DOS (%)	Item with highest DOS	Number of oversaturated items	Percentage of oversaturated items (%)	Item with worst signalised PRC	Item with worst unsignalised PRC	Item with worst overall PRC	Netw Wit Capa
A2 - 2031 PM Scenario 1	26/06/2014 09:55:37	26/06/2014 09:55:49	17:00	88	376.59	172.45	I/1	6	9	C/1	I/1	I/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	172!	-48	52279	4866	25.93	4560.10	409.48	5371.39

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	172!	0	0	0.00	0.00	0.00

Network Results: Flows And Signals

Time Segment	Calculated Flow Entering (PCU/hr)	Calculated Flow Out (PCU/hr)	Flow Discrepancy (PCU/hr)	Adjusted Flow Warning	Degree Of Saturation (%)	DOS Threshold Exceeded	Practical Reserve Capacity (%)	Actual Green (s (per cycle))	Effective Green (s (per cycle))
17:00-18:00	52279	51796	4035	✓	172!	✓	-48	4866	4892

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	7.29	25.93	70.47	306.11	5347.58	4560.10	36.23	15652.35	2807.52	640.15	409.48

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	1127.35	401.81	438.00	315.00	753.00

Network Results: Journey Times

Time Segment	Distance Travelled (PCU-km/hr)	Time Spent (PCU-hr/hr)	Mean Journey Speed (kph)
17:00-18:00	5204.29	482.45	10.79