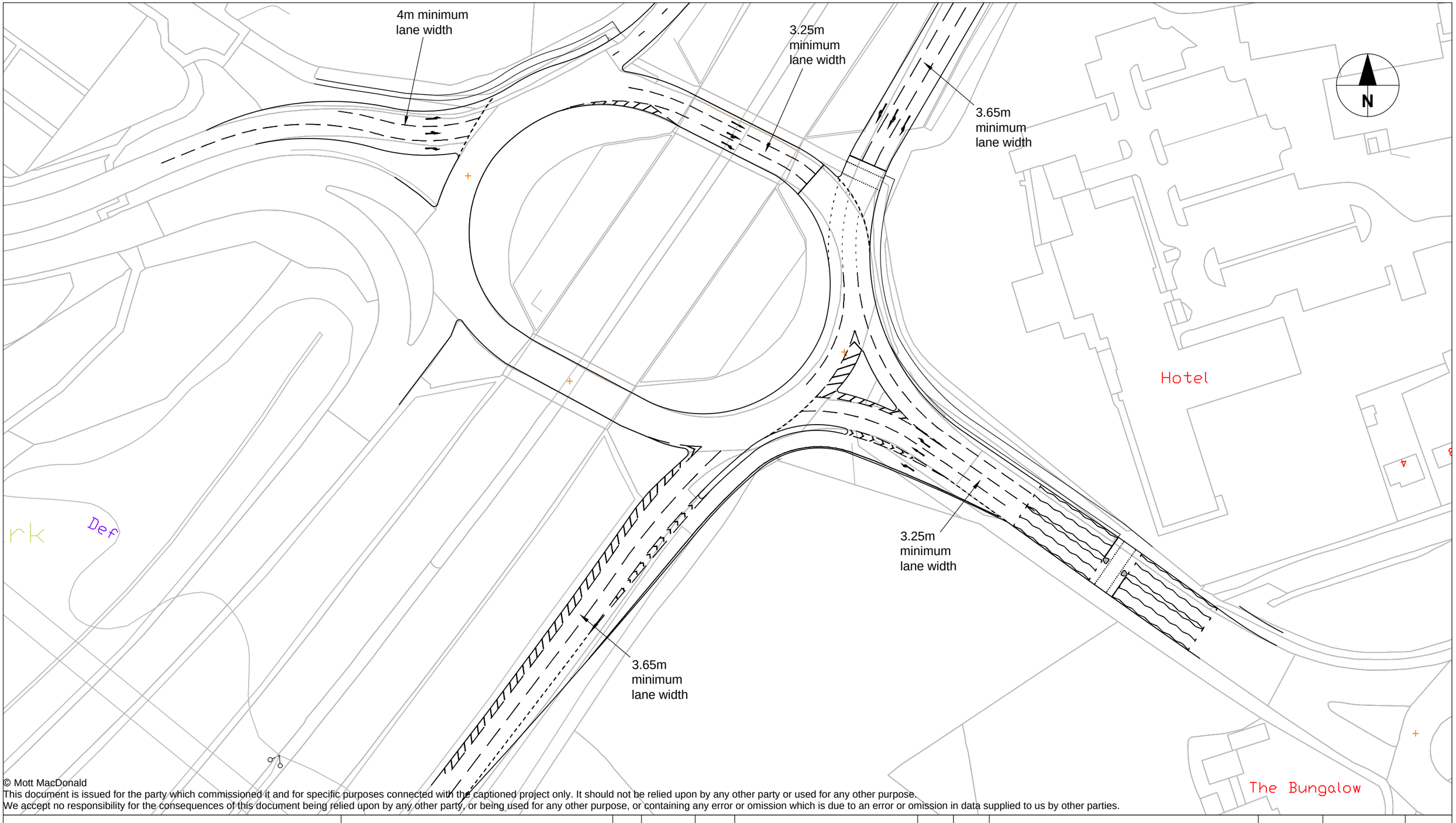
Appendix I

OFF-SITE MITIGATION



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Sceptre House
Sceptre Way
Bamber Bridge
PR5 6AW

Rev	Date	Drawn	Description	Ch'k'd	App'd
P1	05.06.17	MSD	Dedicated left turn Lane	MA	KR
P2	22.06.17	MSD	Clients comments incorporated	MA	KR
P3	22.06.17	MSD	Clients comments incorporated	MA	KR
P4	20.07.17	MSD	Clients comments incorporated	MA	KR

Title

Junction 5A
Cuerden Strategic Framework

Drawn	M S Davies	05.06.17
Checked	M Ash	05.06.17
Approved	K Riley	05.06.17

Scale at A3
1:1000

Drawing Number
MMD-370964-C-DR-00-XX-0014

Security	Status	Rev
STD	PRE	P4

P:\Manchester Piccadilly\ITN\Projects\370964 - Cuerden Strategic Site\5.0 Drawings\Working Drafts\Liverpool work\MMD-370964-C-DR-00-XX-0014 rev P4.dwg Jul 21, 2017 - 10:29AM dav69047

Notes

Key to symbols

Reference drawings

Rev	Date	Drawn	Description	Ch'k'd	App'd
P4	27.07.2017	MSD	CLIENTS COMMENTS INCORPORATED	MA	KR
P3	14.06.2017	MSD	CYCLE LANE AMENDED	MA	KR
P2	23.05.2017	MSD	ISSUE TO ARCHITECT	MA	KR
P1	28.11.2016	MSD	FIRST ISSUE	MA	KR

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MAPLE GROVE
DEVELOPMENTS LIMITED

Title

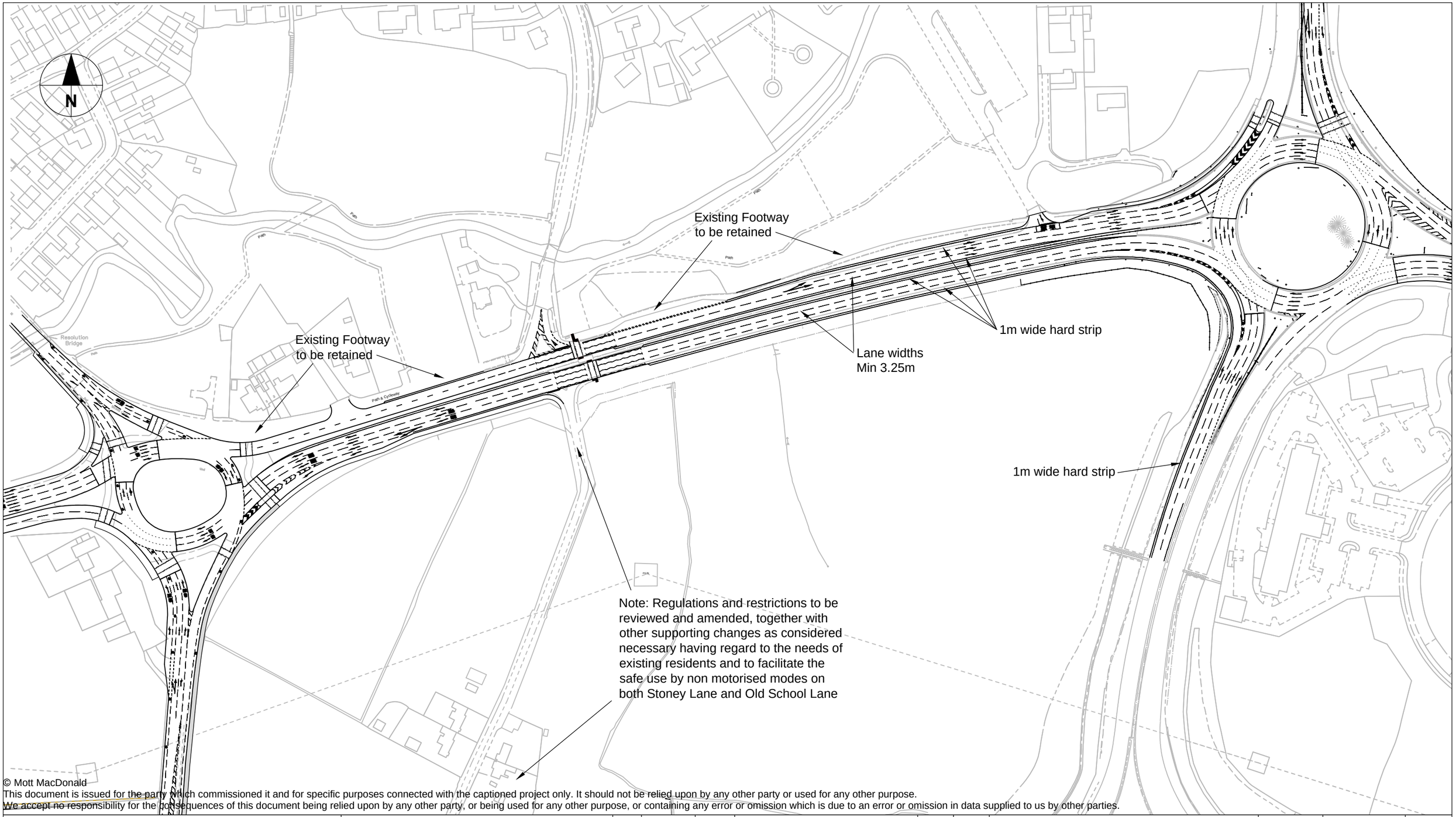
CUERDEN STRATEGIC SITE
STANIFIELD LANE CYCLE LANES

Designed	MSD	28.11.16	Eng check	MA	28.11.16
Drawn	MSD	28.11.16	Coordination	MA	28.11.16
Dwg check	MA	28.11.16	Approved	KR	28.11.16

Scale at A1	Status	Rev	Security
1:1000	PRE	P4	STD

Drawing Number

MMD-370964-C-DR-00-XX-0002



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Rev	Date	Drawn	Description	Ch'k'd	App'd
P1	29/06/17	MSD	Junction 1/2 Proposed Development	MA	KR
P2	10/07/17	MSD	Client comments incorporated	MA	KR
P3	13/07/17	MSD	Client comments incorporated	MA	KR
P4	20/07/17	MSD	Client comments incorporated	MA	KR

Title

Junction 1 to Junction 2
Cuerden Strategic Framework
Proposed Development

Drawn	M S Davies	29.06.17
Checked	M Ash	29.06.17
Approved	K Riley	29.06.17

Scale at A3
1:2000

Drawing Number
MMD-370964-C-DR-00-XX-0016

Security	Status	Rev
STD	PRE	P4

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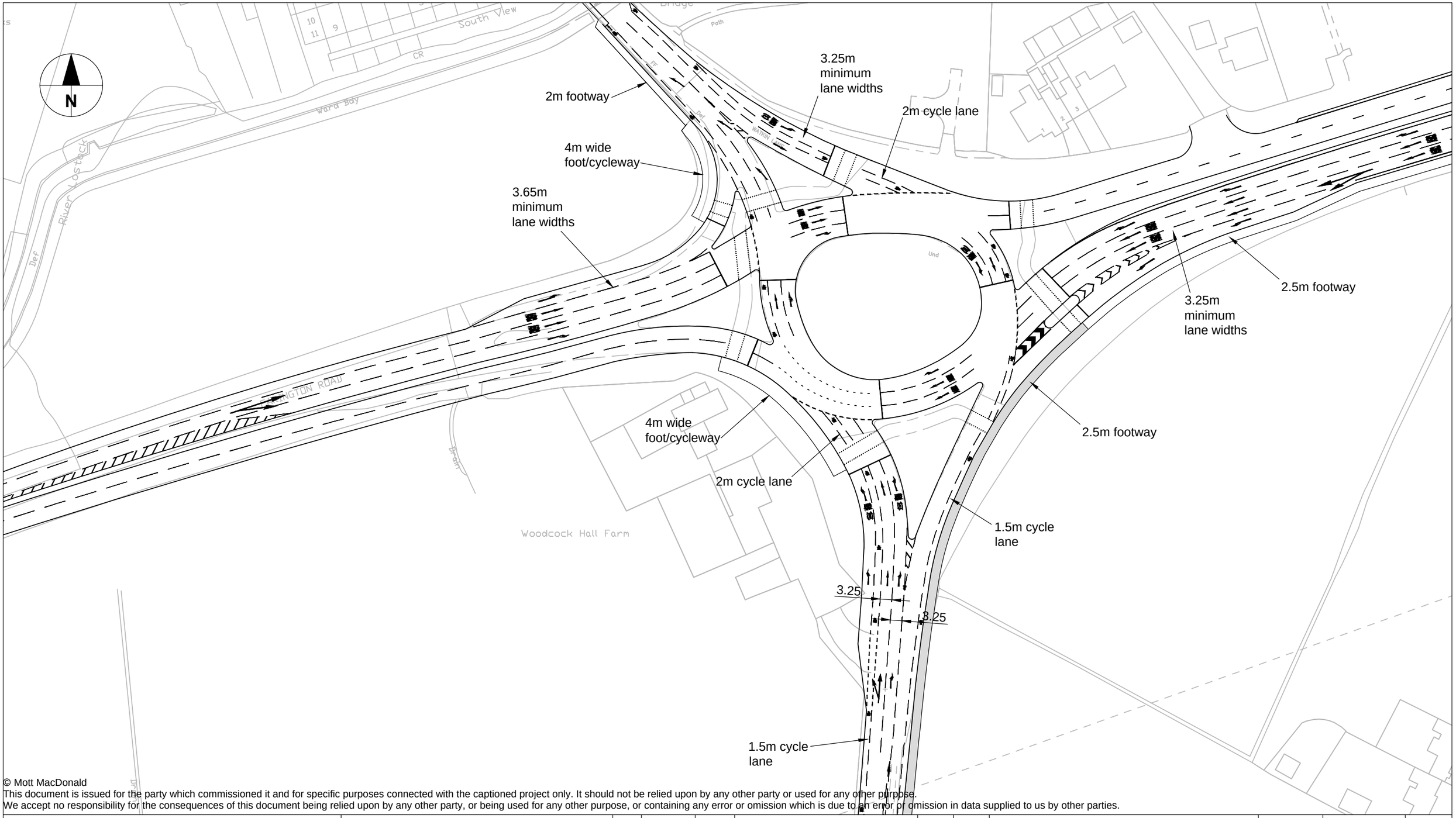

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Bamber Bridge
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Rev	Date	Drawn	Description	Ch'k'd	App'd
P1	05/06/17	MSD	Junction 1 Proposed Development	MA	KR
P2	23/06/17	MSD	Client comments incorporated	MA	KR
P3	10/07/17	MSD	Client comments incorporated	MA	KR
P4	13/07/17	MSD	Client comments incorporated	MA	KR
P5	20/07/17	MSD	Client comments incorporated	MA	KR

Title

Junction 1
Cuerden Strategic Framework
Proposed Development

Drawn	M S Davies	05.06.17
Checked	M Ash	05.06.17
Approved	K Riley	05.06.17

Scale at A3
1:1000

Drawing Number
MMD-370964-C-DR-00-XX-0011

Security	Status	Rev
STD	PRE	P5

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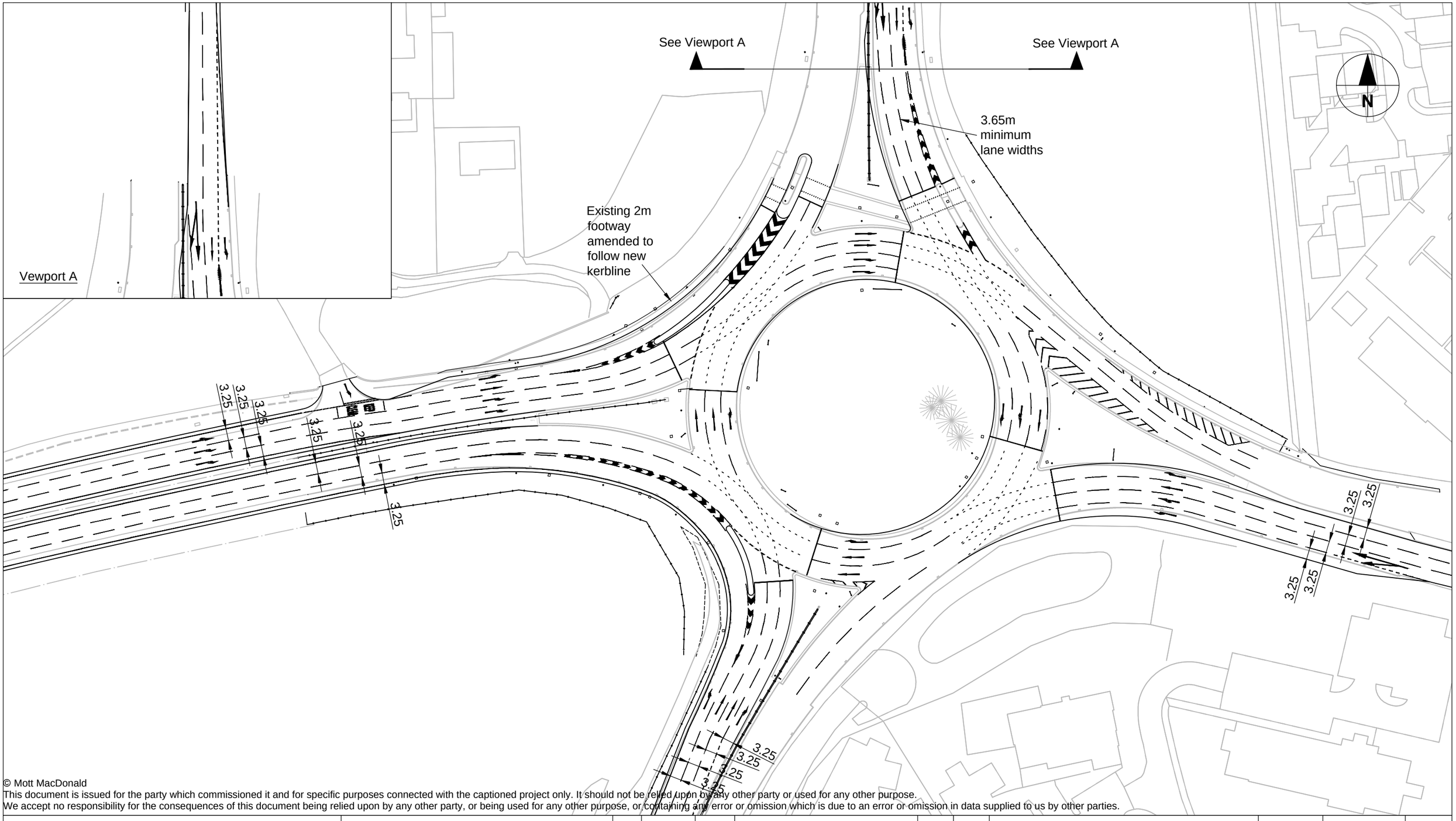

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Rev	Date	Drawn	Description	Ch'k'd	App'd
P1	05/06/17	MSD	Junction 2 Proposed Development	MA	KR
P2	22/06/17	MSD	Clients comments incorporated	MA	KR
P3	10/07/17	MSD	Clients comments incorporated	MA	KR
P4	13/07/17	MSD	Clients comments incorporated	MA	KR
P5	20/07/17	MSD	Clients comments incorporated	MA	KR

Title

Junction 2
Cuerden Strategic Framework
Proposed Development

Drawn	M S Davies	05.06.17
Checked	M Ash	05.06.17
Approved	K Riley	05.06.17

Scale at A3
1:1000

Drawing Number
MMD-370964-C-DR-00-XX-0012

Security	Status	Rev
STD	PRE	P5

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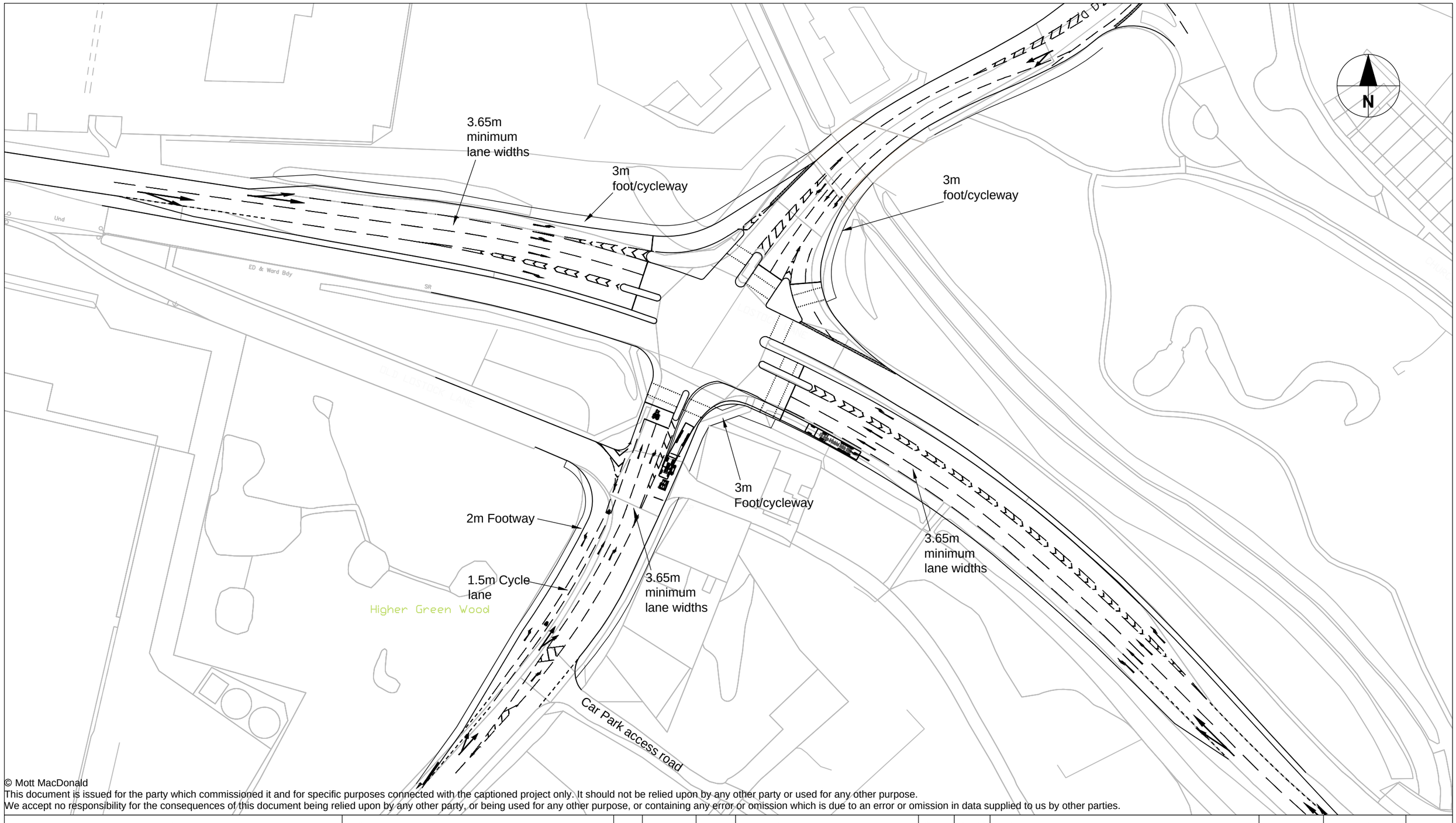

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Client

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PR5 6AW

Rev	Date	Drawn	Description	Ch'k'd	App'd
P1	05/06/17	MSD	Junction 4 & 11 Proposed Features	MA	KR
P2	22/06/17	MSD	Clients comments incorporated	MA	KR
P3	10/07/17	MSD	Clients comments incorporated	MA	KR
P4	13/07/17	MSD	Clients comments incorporated	MA	KR
P5	20/07/17	MSD	Clients comments incorporated	MA	KR

Title

Junction 4 and 11
Cuerden Strategic Framework
Proposed Development

Drawn	M S Davies	05.06.17
Checked	M Ash	05.06.17
Approved	K Riley	05.06.17

Scale at A3
1:1000

Drawing Number
MMD-370964-C-DR-00-XX-0013

Security	Status	Rev
STD	PRE	P5

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Appendix J

JUNCTION MODELLING REPORTS

PUBLIC

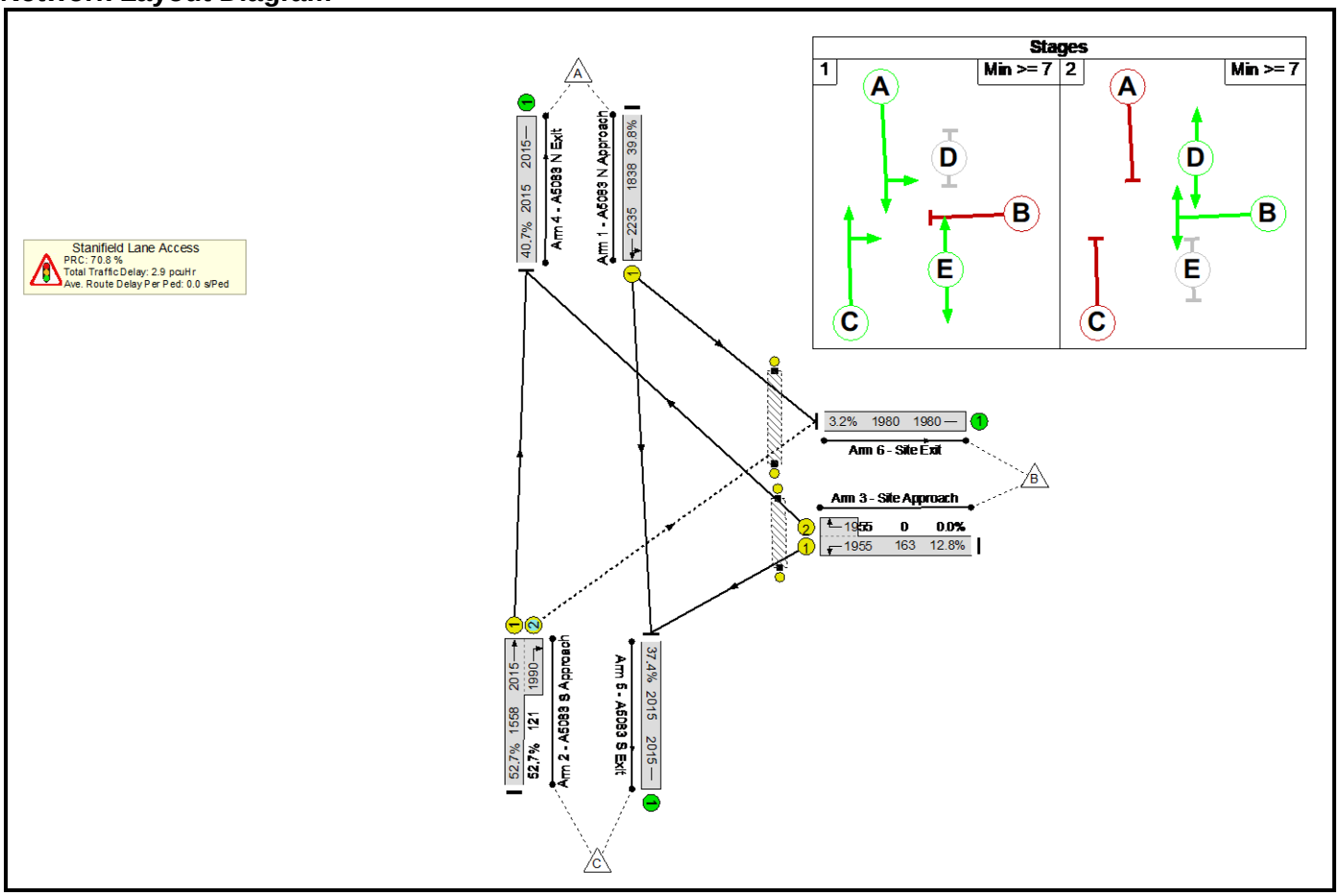
Basic Results Summary

User and Project Details

Project:	**370964-Cuerden Strategic Site**
Title:	**Stanifield Lane Access Junction**
Location:	Cuerden
Additional detail:	
File name:	Stanifield Lane Access Jn_30052022_v3.lsg3x
Author:	Aditya Sohoni
Company:	WSP
Address:	11th Floor, MFAR Building, Manyata Tech Park, Greenheart Phase IV, Nagavara Outer Ring Road, Bengaluru, Karnataka - 560045, India

Scenario 1: 'DM1 2032 AM' (FG1: 'DM1 2032 + Committed Developments - without dev - AM ', Plan 1: 'No Peds')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Stanifield Lane Access Junction	**-**	**-**	**-**		**-**	**-**	**-**	**-**	**-**	**-**	**52.7%**	**51**	**13**	**0**	**2.9**	**-**	**-**
Stanifield Lane Access	**-**	**-**	**-**		**-**	**-**	**-**	**-**	**-**	**-**	**52.7%**	**51**	**13**	**0**	**2.9**	**-**	**-**
1/1	A5083 N Approach Ahead Left	U	A		1	73	-	732	2235	1838	39.8%	-	-	-	0.8	3.7	5.0
2/1+2/2	A5083 S Approach Ahead Right	U+O	C		1	73	-	885	2015:1990	1558+121	52.7 : 52.7%	51	13	0	1.1	4.6	6.7
3/1+3/2	Site Approach Right Left	U	B		1	7	-	21	1955:1955	163+0	12.8 : 0.0%	-	-	-	0.3	50.4	0.6
4/1	A5083 N Exit	U	-		-	-	-	821	2015	2015	40.7%	-	-	-	0.3	1.5	0.3
5/1	A5083 S Exit	U	-		-	-	-	753	2015	2015	37.4%	-	-	-	0.3	1.4	2.7
6/1	Site Exit	U	-		-	-	-	64	1980	1980	3.2%	-	-	-	0.0	0.9	0.0
Ped Link: P1	Unnamed Ped Link	-	D		1	12	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Unnamed Ped Link	-	E		1	78	-	0	-	0	0.0%	-	-	-	-	-	-

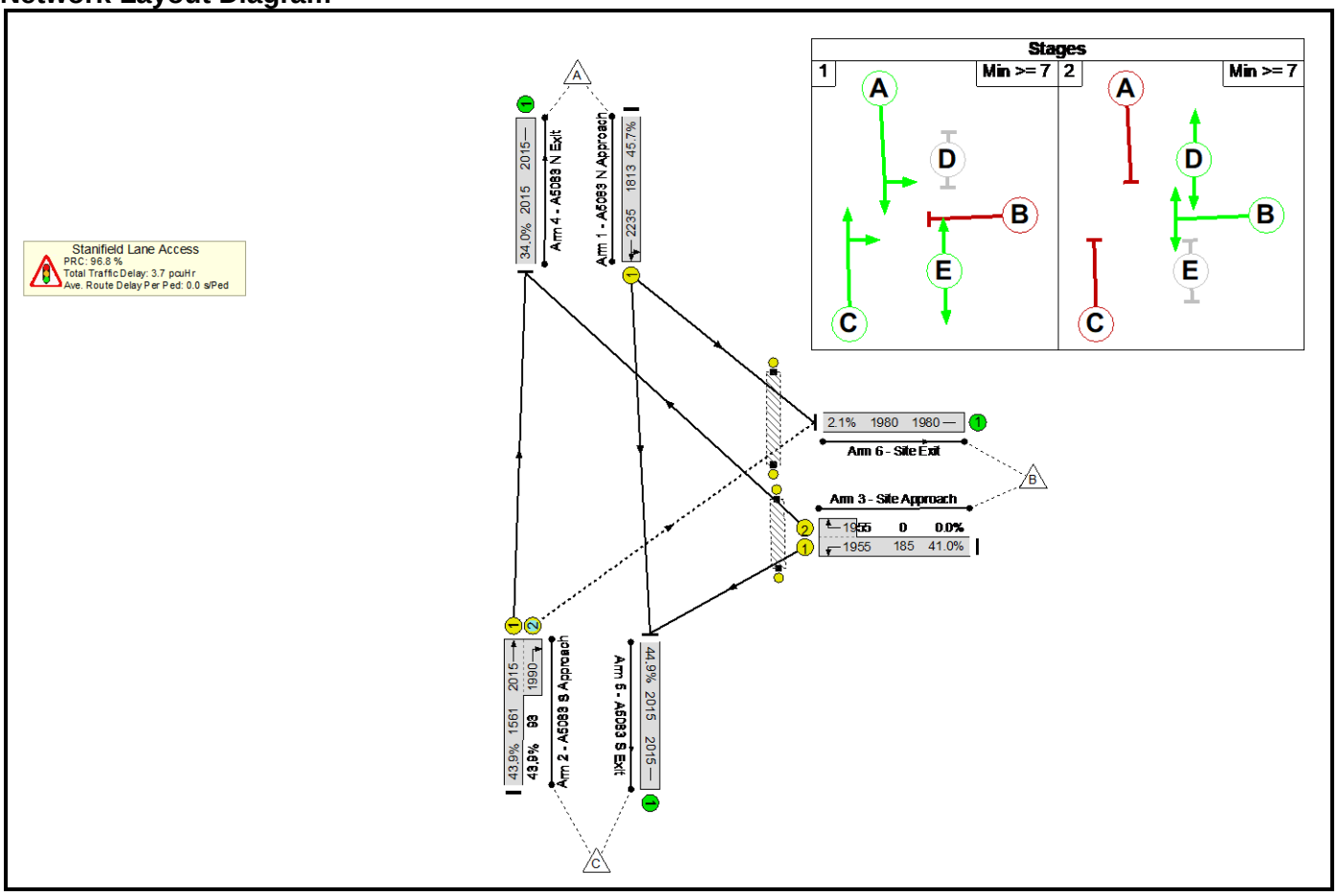
C1 PRC for Signalled Lanes (%): 70.8 Total Delay for Signalled Lanes (pcuHr): 2.19 Cycle Time (s): 90

PRC Over All Lanes (%): 70.8 Total Delay Over All Lanes(pcuHr): 2.85

Basic Results Summary

Scenario 2: 'DM1 2032 PM' (FG2: 'DM1 2032 + Committed Developments - without dev - PM ', Plan 1: 'No Peds')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Stanifield Lane Access Junction	-	-	-		-	-	-	-	-	-	**45.7%**	**32**	**9**	**0**	**3.7**	-	-
Stanifield Lane Access	-	-	-		-	-	-	-	-	-	**45.7%**	**32**	**9**	**0**	**3.7**	-	-
1/1	A5083 N Approach Ahead Left	U	A		1	72	-	829	2235	1813	45.7%	-	-	-	1.0	4.4	6.6
2/1+2/2	A5083 S Approach Ahead Right	U+O	C		1	72	-	727	2015:1990	1561+93	43.9 : 43.9%	32	9	0	0.9	4.4	5.2
3/1+3/2	Site Approach Right Left	U	B		1	8	-	76	1955:1955	185+0	41.0 : 0.0%	-	-	-	1.1	54.3	2.1
4/1	A5083 N Exit	U	-		-	-	-	686	2015	2015	34.0%	-	-	-	0.3	1.4	0.3
5/1	A5083 S Exit	U	-		-	-	-	905	2015	2015	44.9%	-	-	-	0.4	1.7	4.5
6/1	Site Exit	U	-		-	-	-	41	1980	1980	2.1%	-	-	-	0.0	0.9	0.0
Ped Link: P1	Unnamed Ped Link	-	D		1	13	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Unnamed Ped Link	-	E		1	77	-	0	-	0	0.0%	-	-	-	-	-	-

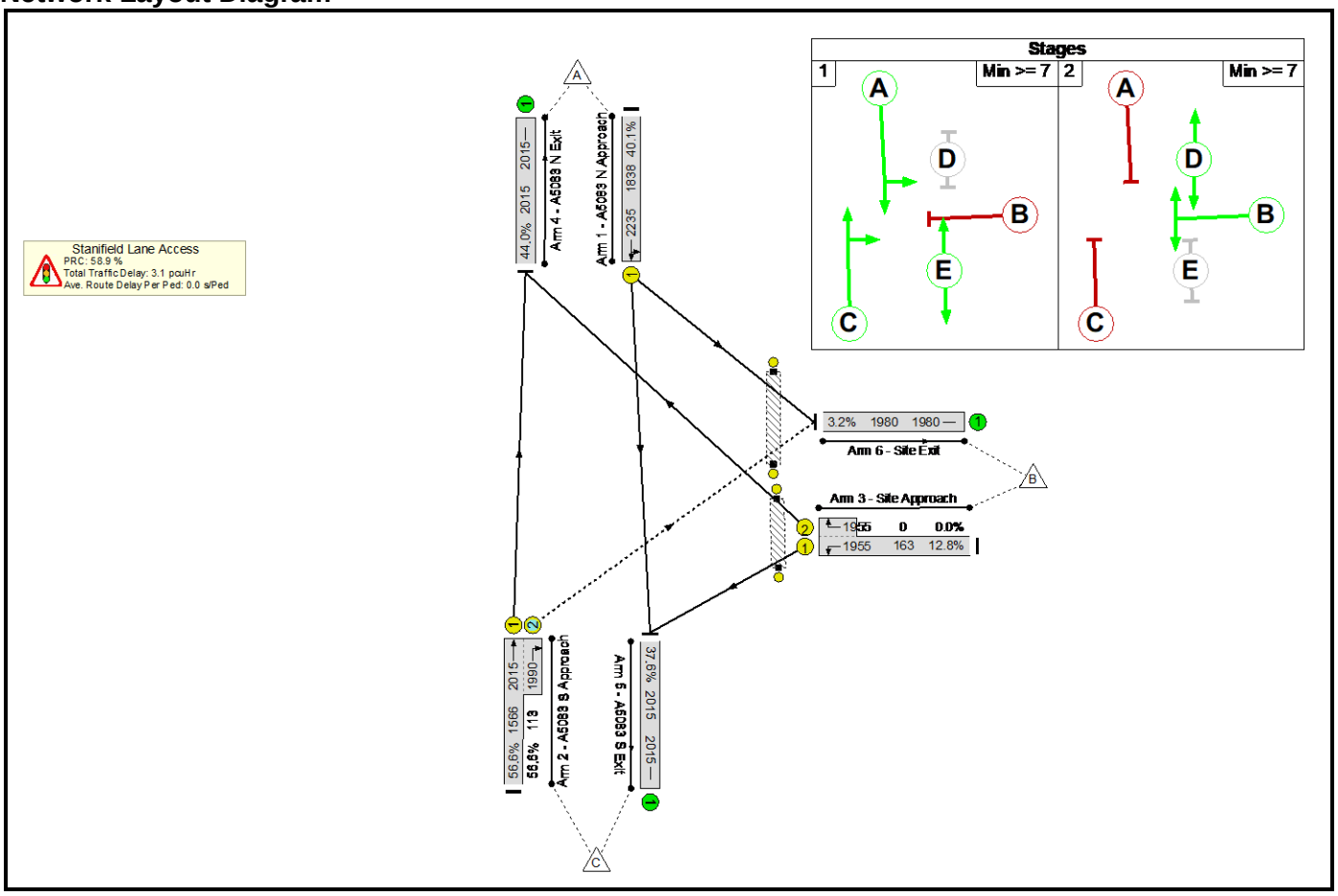
C1 PRC for Signalled Lanes (%): 96.8 Total Delay for Signalled Lanes (pcuHr): 3.04 Cycle Time (s): 90

PRC Over All Lanes (%): 96.8 Total Delay Over All Lanes(pcuHr): 3.72

Basic Results Summary

Scenario 3: 'DM2 2032 AM' (FG3: 'DM2 2032 + Committed and Expected Developments - without dev - AM', Plan 1: 'No Peds')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Stanifield Lane Access Junction	-	-	-		-	-	-	-	-	-	**56.6%**	**51**	**13**	**0**	**3.1**	-	-
Stanifield Lane Access	-	-	-		-	-	-	-	-	-	**56.6%**	**51**	**13**	**0**	**3.1**	-	-
1/1	A5083 N Approach Ahead Left	U	A		1	73	-	737	2235	1838	40.1%	-	-	-	0.8	3.8	5.0
2/1+2/2	A5083 S Approach Ahead Right	U+O	C		1	73	-	951	2015:1990	1566+113	56.6 : 56.6%	51	13	0	1.3	5.0	7.7
3/1+3/2	Site Approach Right Left	U	B		1	7	-	21	1955:1955	163+0	12.8 : 0.0%	-	-	-	0.3	50.4	0.6
4/1	A5083 N Exit	U	-		-	-	-	887	2015	2015	44.0%	-	-	-	0.4	1.6	0.4
5/1	A5083 S Exit	U	-		-	-	-	758	2015	2015	37.6%	-	-	-	0.3	1.4	3.1
6/1	Site Exit	U	-		-	-	-	64	1980	1980	3.2%	-	-	-	0.0	0.9	0.0
Ped Link: P1	Unnamed Ped Link	-	D		1	12	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Unnamed Ped Link	-	E		1	78	-	0	-	0	0.0%	-	-	-	-	-	-

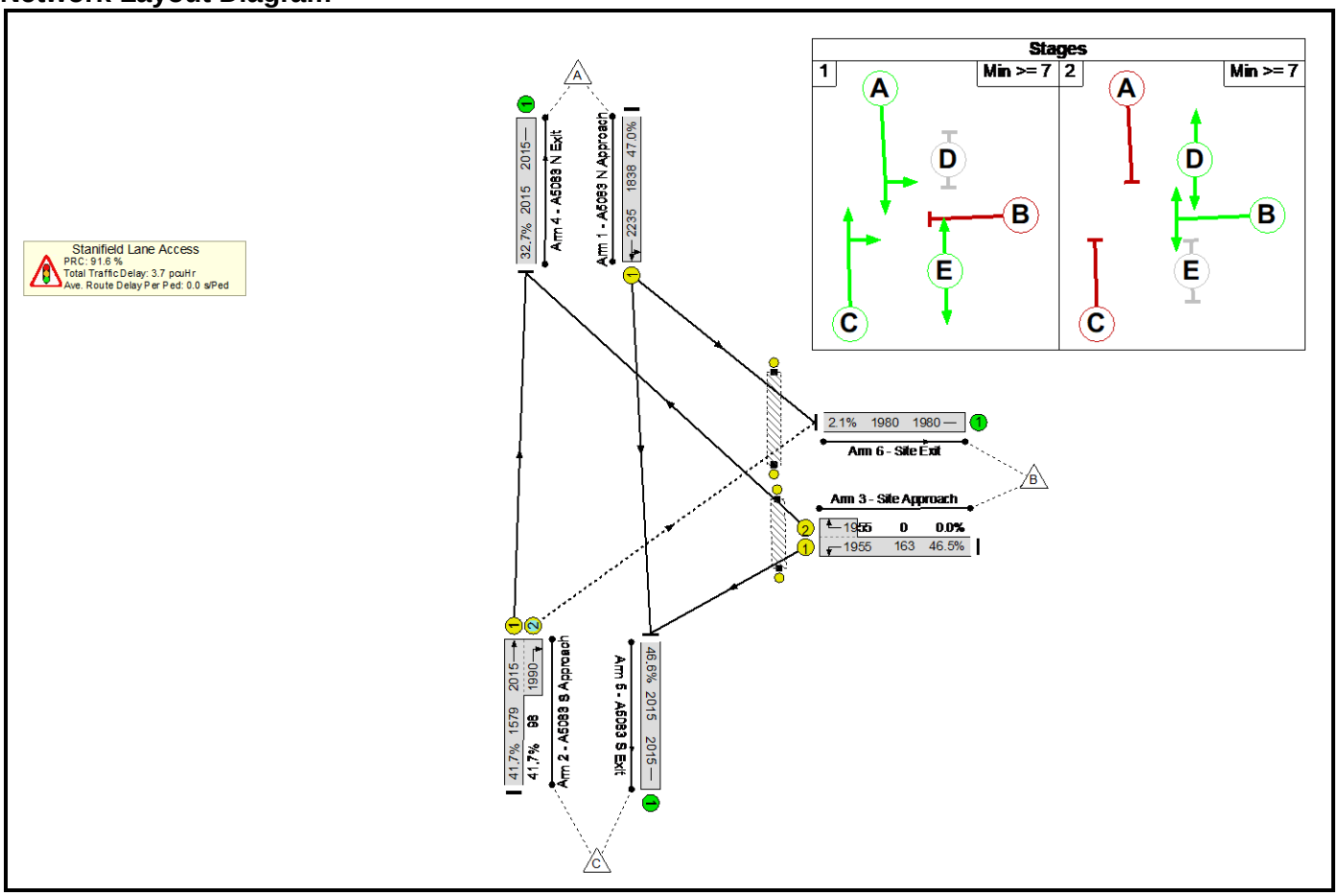
C1 PRC for Signalled Lanes (%): 58.9 Total Delay for Signalled Lanes (pcuHr): 2.38 Cycle Time (s): 90

PRC Over All Lanes (%): 58.9 Total Delay Over All Lanes(pcuHr): 3.09

Basic Results Summary

Scenario 4: 'DM2 2032 PM' (FG4: 'DM2 2032 + Committed and Expected Developments - without dev - PM', Plan 1: 'No Peds')

Network Layout Diagram



Basic Results Summary

Network Results

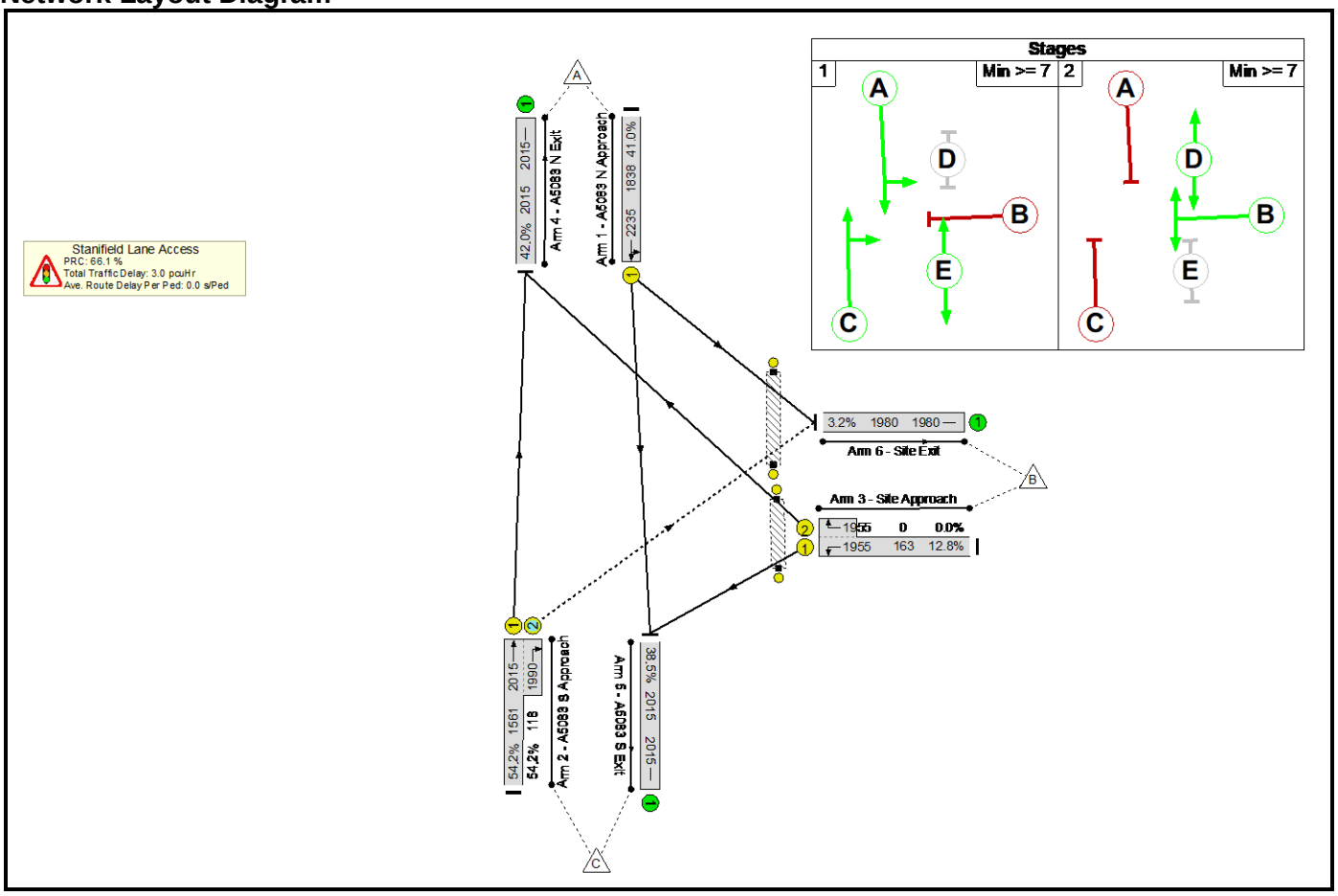
Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Stanifield Lane Access Junction	-	-	-		-	-	-	-	-	-	**47.0%**	**33**	**8**	**0**	**3.7**	-	-
Stanifield Lane Access	-	-	-		-	-	-	-	-	-	**47.0%**	**33**	**8**	**0**	**3.7**	-	-
1/1	A5083 N Approach Ahead Left	U	A		1	73	-	863	2235	1838	47.0%	-	-	-	1.0	4.2	6.7
2/1+2/2	A5083 S Approach Ahead Right	U+O	C		1	73	-	700	2015:1990	1579+98	41.7 : 41.7%	33	8	0	0.8	4.0	4.6
3/1+3/2	Site Approach Right Left	U	B		1	7	-	76	1955:1955	163+0	46.5 : 0.0%	-	-	-	1.3	59.3	2.2
4/1	A5083 N Exit	U	-		-	-	-	659	2015	2015	32.7%	-	-	-	0.2	1.3	0.2
5/1	A5083 S Exit	U	-		-	-	-	939	2015	2015	46.6%	-	-	-	0.4	1.7	4.5
6/1	Site Exit	U	-		-	-	-	41	1980	1980	2.1%	-	-	-	0.0	0.9	0.0
Ped Link: P1	Unnamed Ped Link	-	D		1	12	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Unnamed Ped Link	-	E		1	78	-	0	-	0	0.0%	-	-	-	-	-	-

C1 PRC for Signalled Lanes (%): 91.6 Total Delay for Signalled Lanes (pcuHr): 3.02 Cycle Time (s): 90
PRC Over All Lanes (%): 91.6 Total Delay Over All Lanes(pcuHr): 3.72

Basic Results Summary

Scenario 5: 'DM1 2037 AM' (FG5: 'DM1 2037 + Committed Developments - without dev - AM', Plan 1: 'No Peds')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Stanifield Lane Access Junction	-	-	-		-	-	-	-	-	-	**54.2%**	**51**	**13**	**0**	**3.0**	-	-
Stanifield Lane Access	-	-	-		-	-	-	-	-	-	**54.2%**	**51**	**13**	**0**	**3.0**	-	-
1/1	A5083 N Approach Ahead Left	U	A		1	73	-	754	2235	1838	41.0%	-	-	-	0.8	3.8	5.4
2/1+2/2	A5083 S Approach Ahead Right	U+O	C		1	73	-	910	2015:1990	1561+118	54.2 : 54.2%	51	13	0	1.2	4.8	7.1
3/1+3/2	Site Approach Right Left	U	B		1	7	-	21	1955:1955	163+0	12.8 : 0.0%	-	-	-	0.3	50.4	0.6
4/1	A5083 N Exit	U	-		-	-	-	846	2015	2015	42.0%	-	-	-	0.4	1.5	0.4
5/1	A5083 S Exit	U	-		-	-	-	775	2015	2015	38.5%	-	-	-	0.3	1.5	3.2
6/1	Site Exit	U	-		-	-	-	64	1980	1980	3.2%	-	-	-	0.0	0.9	0.0
Ped Link: P1	Unnamed Ped Link	-	D		1	12	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Unnamed Ped Link	-	E		1	78	-	0	-	0	0.0%	-	-	-	-	-	-

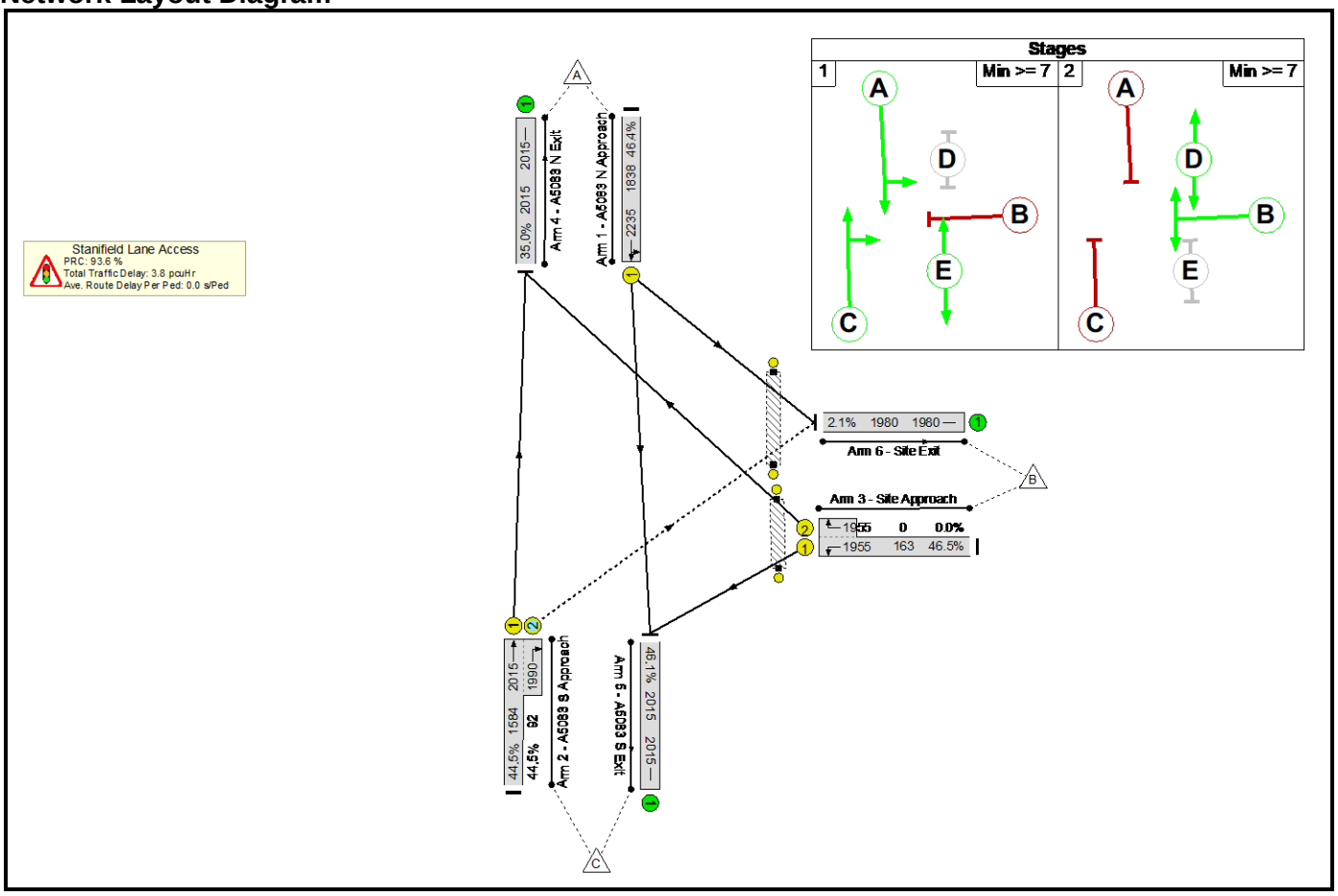
C1 PRC for Signalled Lanes (%): 66.1 Total Delay for Signalled Lanes (pcuHr): 2.29 Cycle Time (s): 90

PRC Over All Lanes (%): 66.1 Total Delay Over All Lanes(pcuHr): 2.99

Basic Results Summary

Scenario 6: 'DM1 2037 PM' (FG6: 'DM1 2037 + Committed Developments - without dev - PM', Plan 1: 'No Peds')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Stanifield Lane Access Junction	-	-	-		-	-	-	-	-	-	**46.5%**	**33**	**8**	**0**	**3.8**	-	-
Stanifield Lane Access	-	-	-		-	-	-	-	-	-	**46.5%**	**33**	**8**	**0**	**3.8**	-	-
1/1	A5083 N Approach Ahead Left	U	A		1	73	-	853	2235	1838	46.4%	-	-	-	1.0	4.1	6.4
2/1+2/2	A5083 S Approach Ahead Right	U+O	C		1	73	-	746	2015:1990	1584+92	44.5 : 44.5%	33	8	0	0.9	4.1	5.1
3/1+3/2	Site Approach Right Left	U	B		1	7	-	76	1955:1955	163+0	46.5 : 0.0%	-	-	-	1.3	59.3	2.2
4/1	A5083 N Exit	U	-		-	-	-	705	2015	2015	35.0%	-	-	-	0.3	1.4	0.3
5/1	A5083 S Exit	U	-		-	-	-	929	2015	2015	46.1%	-	-	-	0.4	1.7	4.5
6/1	Site Exit	U	-		-	-	-	41	1980	1980	2.1%	-	-	-	0.0	0.9	0.0
Ped Link: P1	Unnamed Ped Link	-	D		1	12	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Unnamed Ped Link	-	E		1	78	-	0	-	0	0.0%	-	-	-	-	-	-

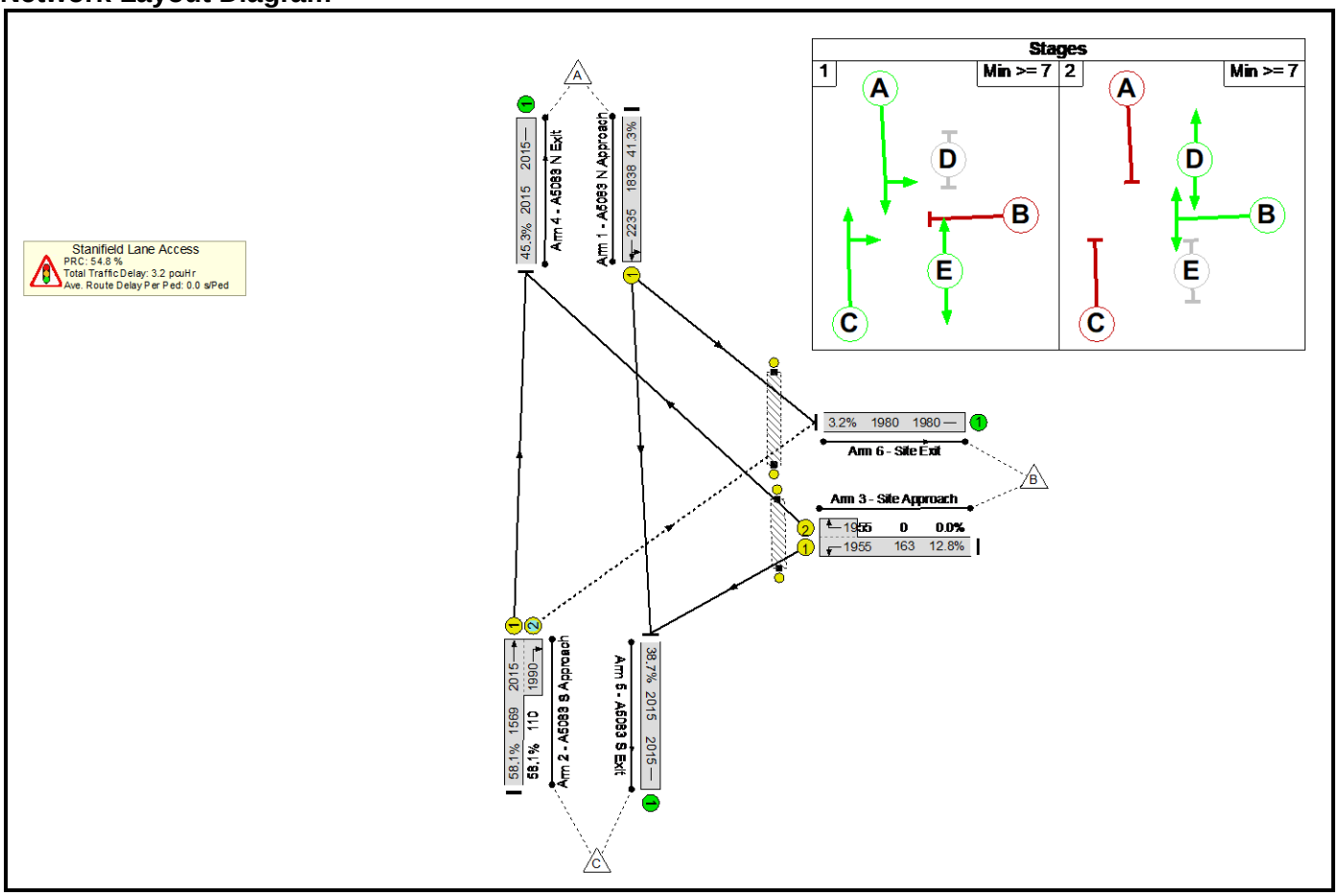
C1 PRC for Signalled Lanes (%): 93.6 Total Delay for Signalled Lanes (pcuHr): 3.08 Cycle Time (s): 90

PRC Over All Lanes (%): 93.6 Total Delay Over All Lanes(pcuHr): 3.80

Basic Results Summary

Scenario 7: 'DM2 2037 AM' (FG7: 'DM2 2037 + Committed and Expected Developments - without dev - AM', Plan 1: 'No Peds')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Stanifield Lane Access Junction	**-**	**-**	**-**		**-**	**-**	**-**	**-**	**-**	**-**	**58.1%**	**52**	**12**	**0**	**3.2**	**-**	**-**
Stanifield Lane Access	**-**	**-**	**-**		**-**	**-**	**-**	**-**	**-**	**-**	**58.1%**	**52**	**12**	**0**	**3.2**	**-**	**-**
1/1	A5083 N Approach Ahead Left	U	A		1	73	-	759	2235	1838	41.3%	-	-	-	0.8	3.8	5.4
2/1+2/2	A5083 S Approach Ahead Right	U+O	C		1	73	-	976	2015:1990	1569+110	58.1 : 58.1%	52	12	0	1.4	5.1	8.2
3/1+3/2	Site Approach Right Left	U	B		1	7	-	21	1955:1955	163+0	12.8 : 0.0%	-	-	-	0.3	50.4	0.6
4/1	A5083 N Exit	U	-		-	-	-	912	2015	2015	45.3%	-	-	-	0.4	1.6	0.4
5/1	A5083 S Exit	U	-		-	-	-	780	2015	2015	38.7%	-	-	-	0.3	1.5	3.2
6/1	Site Exit	U	-		-	-	-	64	1980	1980	3.2%	-	-	-	0.0	0.9	0.0
Ped Link: P1	Unnamed Ped Link	-	D		1	12	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Unnamed Ped Link	-	E		1	78	-	0	-	0	0.0%	-	-	-	-	-	-

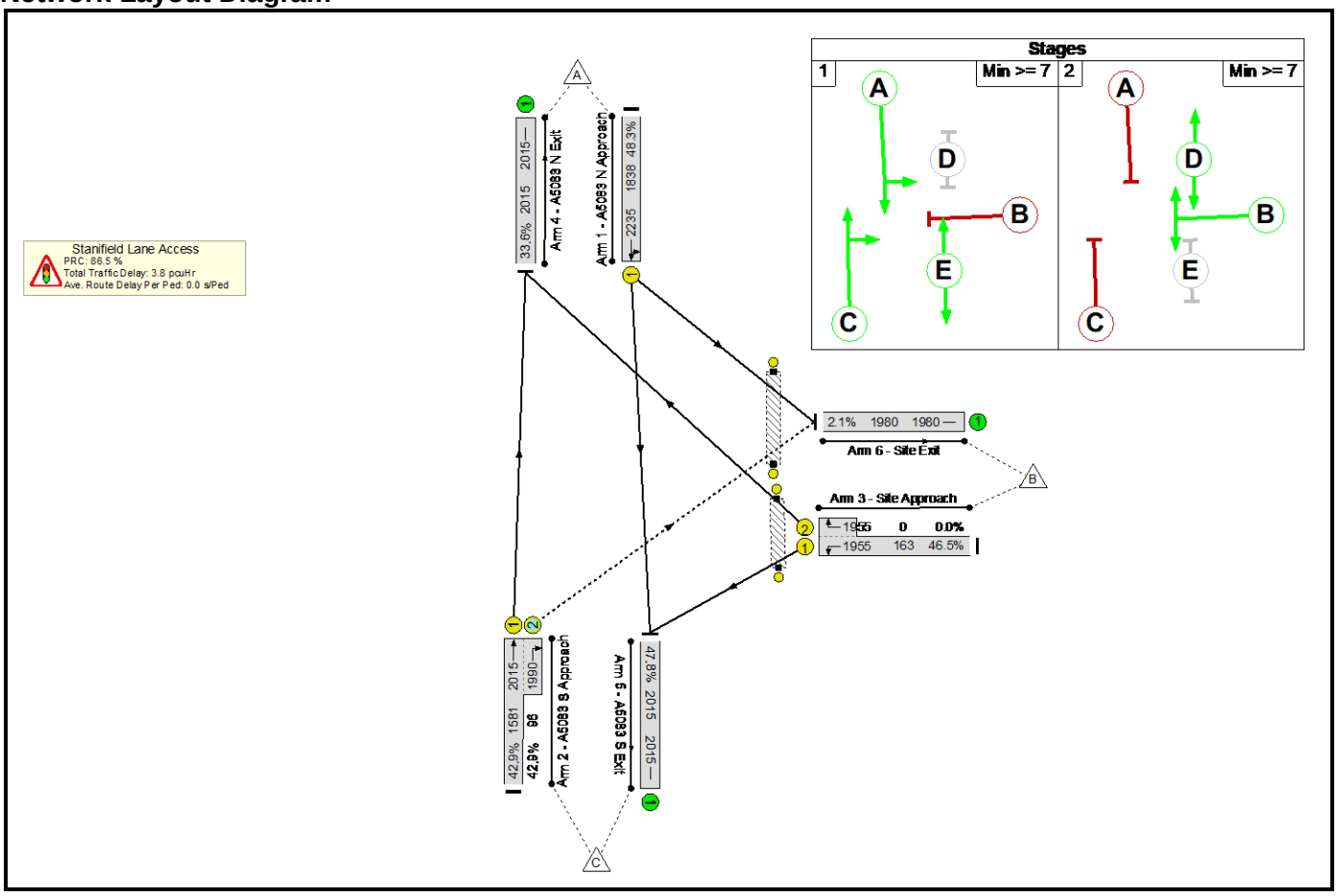
C1 PRC for Signalled Lanes (%): 54.8 Total Delay for Signalled Lanes (pcuHr): 2.49 Cycle Time (s): 90

PRC Over All Lanes (%): 54.8 Total Delay Over All Lanes(pcuHr): 3.24

Basic Results Summary

Scenario 8: 'DM2 2037 PM' (FG8: 'DM2 2037 + Committed and Expected Developments - without dev - PM', Plan 1: 'No Peds')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Stanifield Lane Access Junction	-	-	-		-	-	-	-	-	-	**48.3%**	**33**	**8**	**0**	**3.8**	-	-
Stanifield Lane Access	-	-	-		-	-	-	-	-	-	**48.3%**	**33**	**8**	**0**	**3.8**	-	-
1/1	A5083 N Approach Ahead Left	U	A		1	73	-	887	2235	1838	48.3%	-	-	-	1.0	4.3	6.9
2/1+2/2	A5083 S Approach Ahead Right	U+O	C		1	73	-	719	2015:1990	1581+96	42.9 : 42.9%	33	8	0	0.8	4.0	4.9
3/1+3/2	Site Approach Right Left	U	B		1	7	-	76	1955:1955	163+0	46.5 : 0.0%	-	-	-	1.3	59.3	2.2
4/1	A5083 N Exit	U	-		-	-	-	678	2015	2015	33.6%	-	-	-	0.3	1.3	0.3
5/1	A5083 S Exit	U	-		-	-	-	963	2015	2015	47.8%	-	-	-	0.5	1.8	5.1
6/1	Site Exit	U	-		-	-	-	41	1980	1980	2.1%	-	-	-	0.0	0.9	0.0
Ped Link: P1	Unnamed Ped Link	-	D		1	12	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Unnamed Ped Link	-	E		1	78	-	0	-	0	0.0%	-	-	-	-	-	-

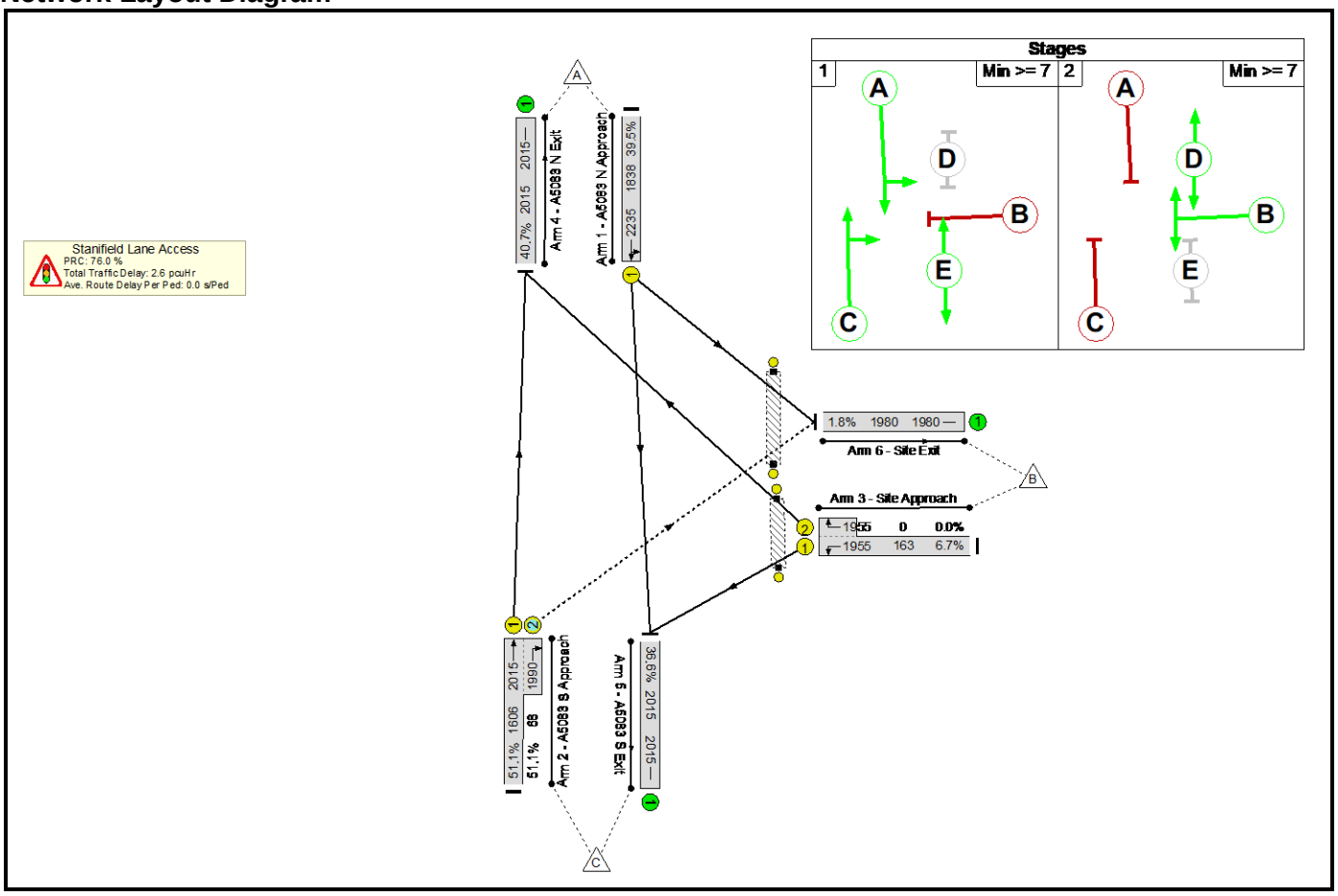
C1 PRC for Signalled Lanes (%): 86.5 Total Delay for Signalled Lanes (pcuHr): 3.10 Cycle Time (s): 90

PRC Over All Lanes (%): 86.5 Total Delay Over All Lanes(pcuHr): 3.84

Basic Results Summary

Scenario 9: 'DS1 2032 AM' (FG9: 'DS1 2032 + Committed Developments + Proposed development - AM', Plan 1: 'No Peds')

Network Layout Diagram



Basic Results Summary

Network Results

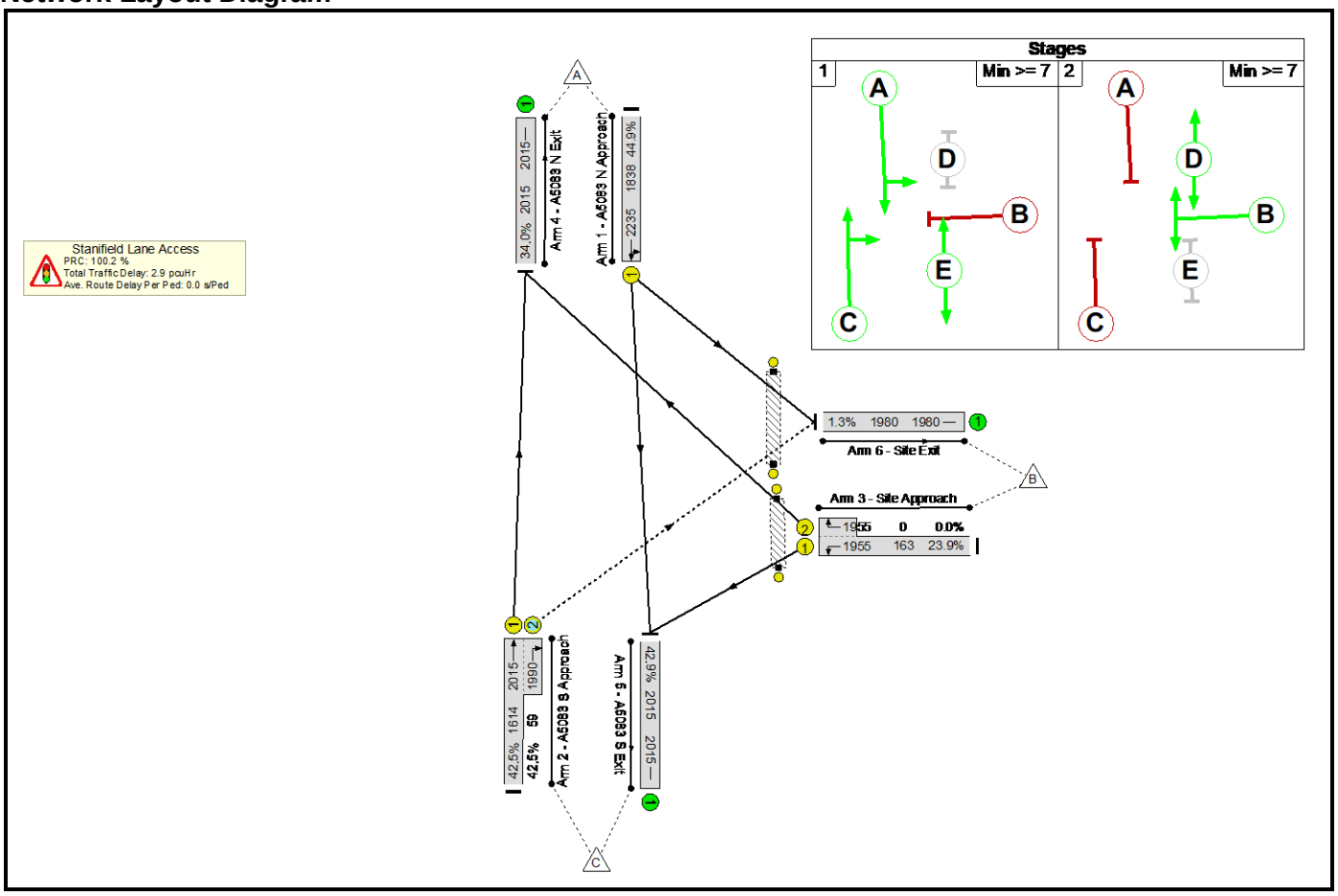
Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Stanifield Lane Access Junction	-	-	-		-	-	-	-	-	-	**51.1%**	**28**	**7**	**0**	**2.6**	-	-
Stanifield Lane Access	-	-	-		-	-	-	-	-	-	**51.1%**	**28**	**7**	**0**	**2.6**	-	-
1/1	A5083 N Approach Ahead Left	U	A		1	73	-	726	2235	1838	39.5%	-	-	-	0.8	3.7	5.0
2/1+2/2	A5083 S Approach Ahead Right	U+O	C		1	73	-	856	2015:1990	1606+68	51.1 : 51.1%	28	7	0	1.1	4.6	6.7
3/1+3/2	Site Approach Right Left	U	B		1	7	-	11	1955:1955	163+0	6.7 : 0.0%	-	-	-	0.2	49.6	0.3
4/1	A5083 N Exit	U	-		-	-	-	821	2015	2015	40.7%	-	-	-	0.3	1.5	0.3
5/1	A5083 S Exit	U	-		-	-	-	737	2015	2015	36.6%	-	-	-	0.3	1.4	2.6
6/1	Site Exit	U	-		-	-	-	35	1980	1980	1.8%	-	-	-	0.0	0.9	0.0
Ped Link: P1	Unnamed Ped Link	-	D		1	12	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Unnamed Ped Link	-	E		1	78	-	0	-	0	0.0%	-	-	-	-	-	-

C1 PRC for Signalled Lanes (%): 76.0 Total Delay for Signalled Lanes (pcuHr): 1.99 Cycle Time (s): 90
PRC Over All Lanes (%): 76.0 Total Delay Over All Lanes(pcuHr): 2.64

Basic Results Summary

Scenario 10: 'DS1 2032 PM' (FG10: 'DS1 2032 + Committed Developments + Proposed development - PM', Plan 1: 'No Peds')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Stanifield Lane Access Junction	-	-	-		-	-	-	-	-	-	**44.9%**	**20**	**5**	**0**	**2.9**	-	-
Stanifield Lane Access	-	-	-		-	-	-	-	-	-	**44.9%**	**20**	**5**	**0**	**2.9**	-	-
1/1	A5083 N Approach Ahead Left	U	A		1	73	-	826	2235	1838	44.9%	-	-	-	0.9	4.0	6.1
2/1+2/2	A5083 S Approach Ahead Right	U+O	C		1	73	-	711	2015:1990	1614+59	42.5 : 42.5%	20	5	0	0.8	4.0	4.9
3/1+3/2	Site Approach Right Left	U	B		1	7	-	39	1955:1955	163+0	23.9 : 0.0%	-	-	-	0.6	52.6	1.1
4/1	A5083 N Exit	U	-		-	-	-	686	2015	2015	34.0%	-	-	-	0.3	1.4	0.3
5/1	A5083 S Exit	U	-		-	-	-	865	2015	2015	42.9%	-	-	-	0.4	1.6	4.3
6/1	Site Exit	U	-		-	-	-	25	1980	1980	1.3%	-	-	-	0.0	0.9	0.0
Ped Link: P1	Unnamed Ped Link	-	D		1	12	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Unnamed Ped Link	-	E		1	78	-	0	-	0	0.0%	-	-	-	-	-	-

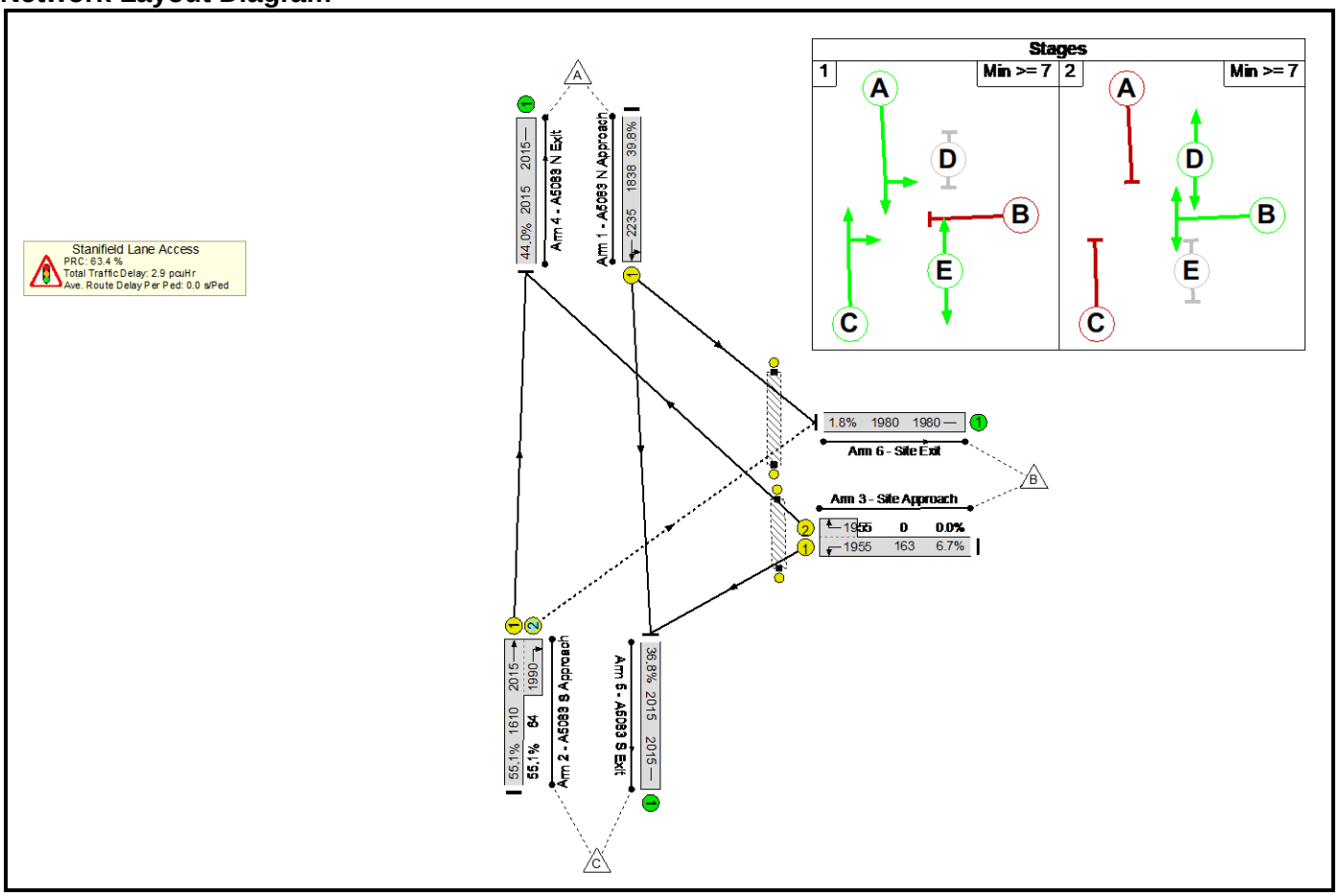
C1 PRC for Signalled Lanes (%): 100.2 Total Delay for Signalled Lanes (pcuHr): 2.29 Cycle Time (s): 90

PRC Over All Lanes (%): 100.2 Total Delay Over All Lanes(pcuHr): 2.94

Basic Results Summary

Scenario 11: 'DS2 2032 AM' (FG11: 'DS2 2032 + Committed and Expected Developments + Proposed development - AM', Plan 1: 'No Peds')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Stanifield Lane Access Junction	-	-	-		-	-	-	-	-	-	**55.1%**	**28**	**7**	**0**	**2.9**	-	-
Stanifield Lane Access	-	-	-		-	-	-	-	-	-	**55.1%**	**28**	**7**	**0**	**2.9**	-	-
1/1	A5083 N Approach Ahead Left	U	A		1	73	-	731	2235	1838	39.8%	-	-	-	0.8	3.7	5.0
2/1+2/2	A5083 S Approach Ahead Right	U+O	C		1	73	-	922	2015:1990	1610+64	55.1 : 55.1%	28	7	0	1.3	4.9	7.6
3/1+3/2	Site Approach Right Left	U	B		1	7	-	11	1955:1955	163+0	6.7 : 0.0%	-	-	-	0.2	49.6	0.3
4/1	A5083 N Exit	U	-		-	-	-	887	2015	2015	44.0%	-	-	-	0.4	1.6	0.4
5/1	A5083 S Exit	U	-		-	-	-	742	2015	2015	36.8%	-	-	-	0.3	1.4	2.6
6/1	Site Exit	U	-		-	-	-	35	1980	1980	1.8%	-	-	-	0.0	0.9	0.0
Ped Link: P1	Unnamed Ped Link	-	D		1	12	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Unnamed Ped Link	-	E		1	78	-	0	-	0	0.0%	-	-	-	-	-	-

C1

PRC for Signalled Lanes (%): 63.4
PRC Over All Lanes (%): 63.4

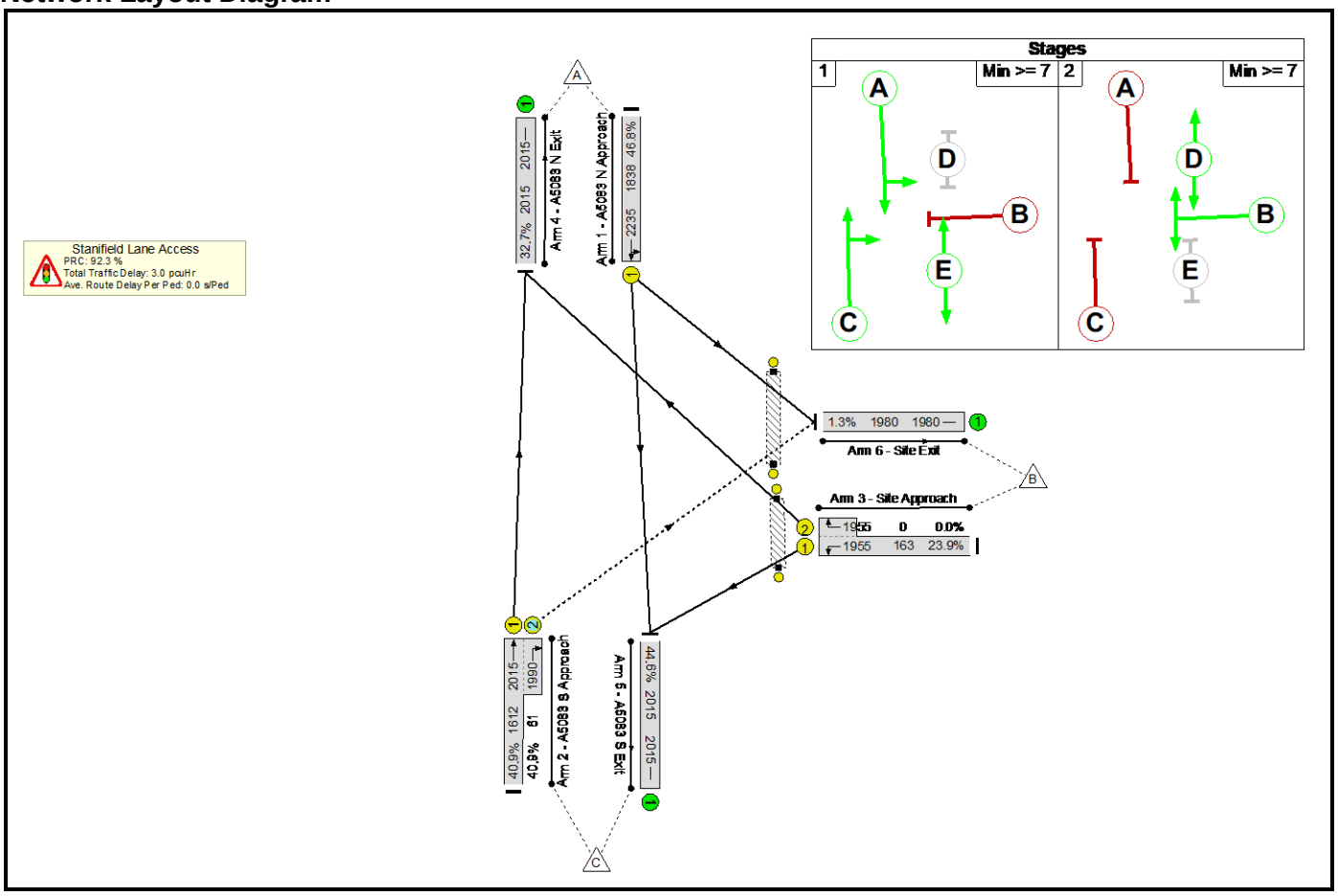
Total Delay for Signalled Lanes (pcuHr): 2.17
Total Delay Over All Lanes(pcuHr): 2.87

Cycle Time (s): 90

Basic Results Summary

Scenario 12: 'DS2 2032 PM' (FG12: 'DS2 2032 + Committed and Expected Developments + Proposed development - PM', Plan 1: 'No Peds')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Stanifield Lane Access Junction	-	-	-		-	-	-	-	-	-	**46.8%**	**20**	**5**	**0**	**3.0**	-	-
Stanifield Lane Access	-	-	-		-	-	-	-	-	-	**46.8%**	**20**	**5**	**0**	**3.0**	-	-
1/1	A5083 N Approach Ahead Left	U	A		1	73	-	860	2235	1838	46.8%	-	-	-	1.0	4.2	6.7
2/1+2/2	A5083 S Approach Ahead Right	U+O	C		1	73	-	684	2015:1990	1612+61	40.9 : 40.9%	20	5	0	0.7	3.9	4.6
3/1+3/2	Site Approach Right Left	U	B		1	7	-	39	1955:1955	163+0	23.9 : 0.0%	-	-	-	0.6	52.6	1.1
4/1	A5083 N Exit	U	-		-	-	-	659	2015	2015	32.7%	-	-	-	0.2	1.3	0.2
5/1	A5083 S Exit	U	-		-	-	-	899	2015	2015	44.6%	-	-	-	0.4	1.7	4.5
6/1	Site Exit	U	-		-	-	-	25	1980	1980	1.3%	-	-	-	0.0	0.9	0.0
Ped Link: P1	Unnamed Ped Link	-	D		1	12	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Unnamed Ped Link	-	E		1	78	-	0	-	0	0.0%	-	-	-	-	-	-

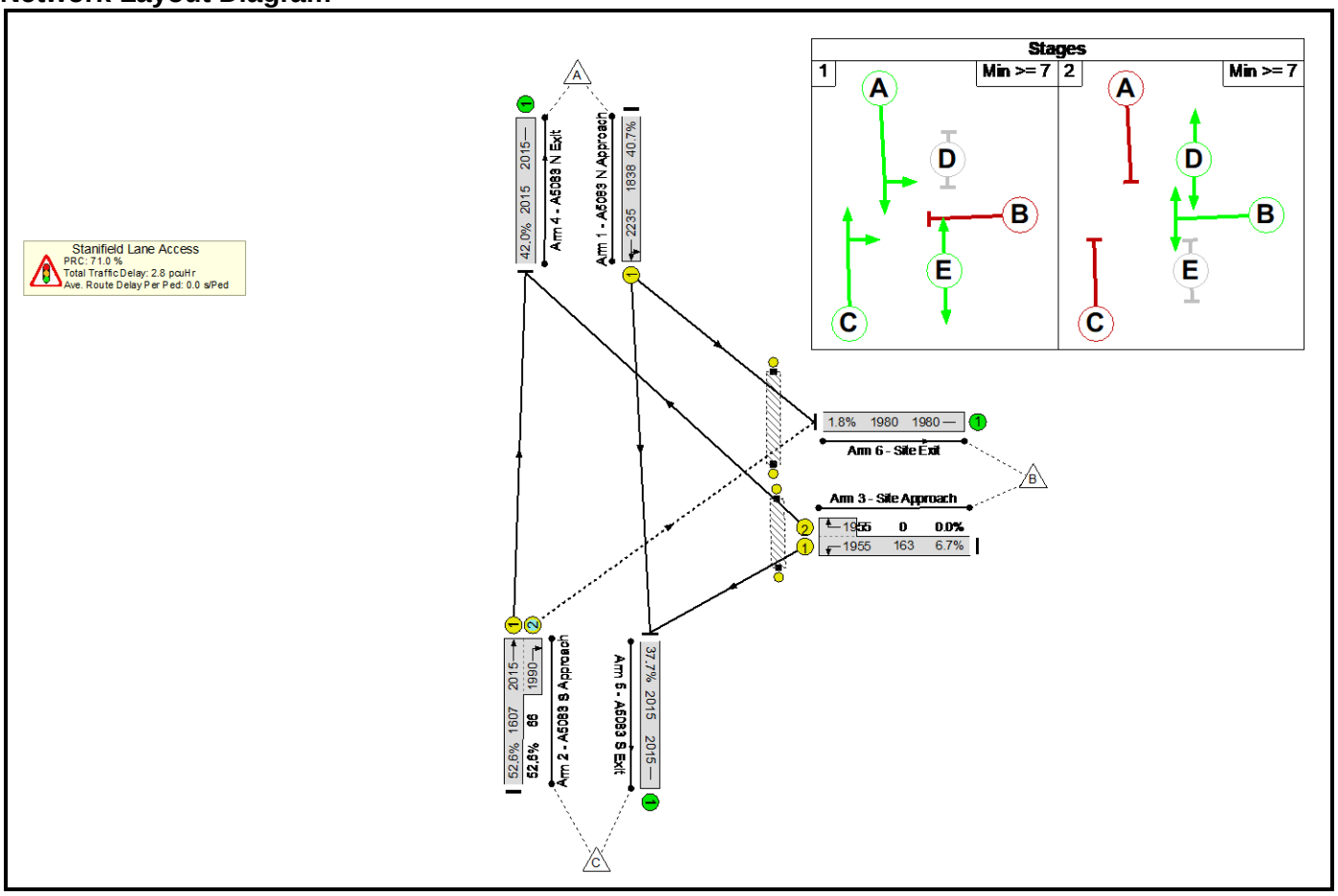
C1 PRC for Signalled Lanes (%): 92.3 Total Delay for Signalled Lanes (pcuHr): 2.31 Cycle Time (s): 90

PRC Over All Lanes (%): 92.3 Total Delay Over All Lanes(pcuHr): 2.97

Basic Results Summary

Scenario 13: 'DS1 2037 AM' (FG13: 'DS1 2037 + Committed Developments + Proposed development - AM', Plan 1: 'No Peds')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Stanifield Lane Access Junction	-	-	-		-	-	-	-	-	-	**52.6%**	**28**	**7**	**0**	**2.8**	-	-
Stanifield Lane Access	-	-	-		-	-	-	-	-	-	**52.6%**	**28**	**7**	**0**	**2.8**	-	-
1/1	A5083 N Approach Ahead Left	U	A		1	73	-	748	2235	1838	40.7%	-	-	-	0.8	3.8	5.3
2/1+2/2	A5083 S Approach Ahead Right	U+O	C		1	73	-	881	2015:1990	1607+66	52.6 : 52.6%	28	7	0	1.1	4.7	7.0
3/1+3/2	Site Approach Right Left	U	B		1	7	-	11	1955:1955	163+0	6.7 : 0.0%	-	-	-	0.2	49.6	0.3
4/1	A5083 N Exit	U	-		-	-	-	846	2015	2015	42.0%	-	-	-	0.4	1.5	0.4
5/1	A5083 S Exit	U	-		-	-	-	759	2015	2015	37.7%	-	-	-	0.3	1.5	3.1
6/1	Site Exit	U	-		-	-	-	35	1980	1980	1.8%	-	-	-	0.0	0.9	0.0
Ped Link: P1	Unnamed Ped Link	-	D		1	12	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Unnamed Ped Link	-	E		1	78	-	0	-	0	0.0%	-	-	-	-	-	-

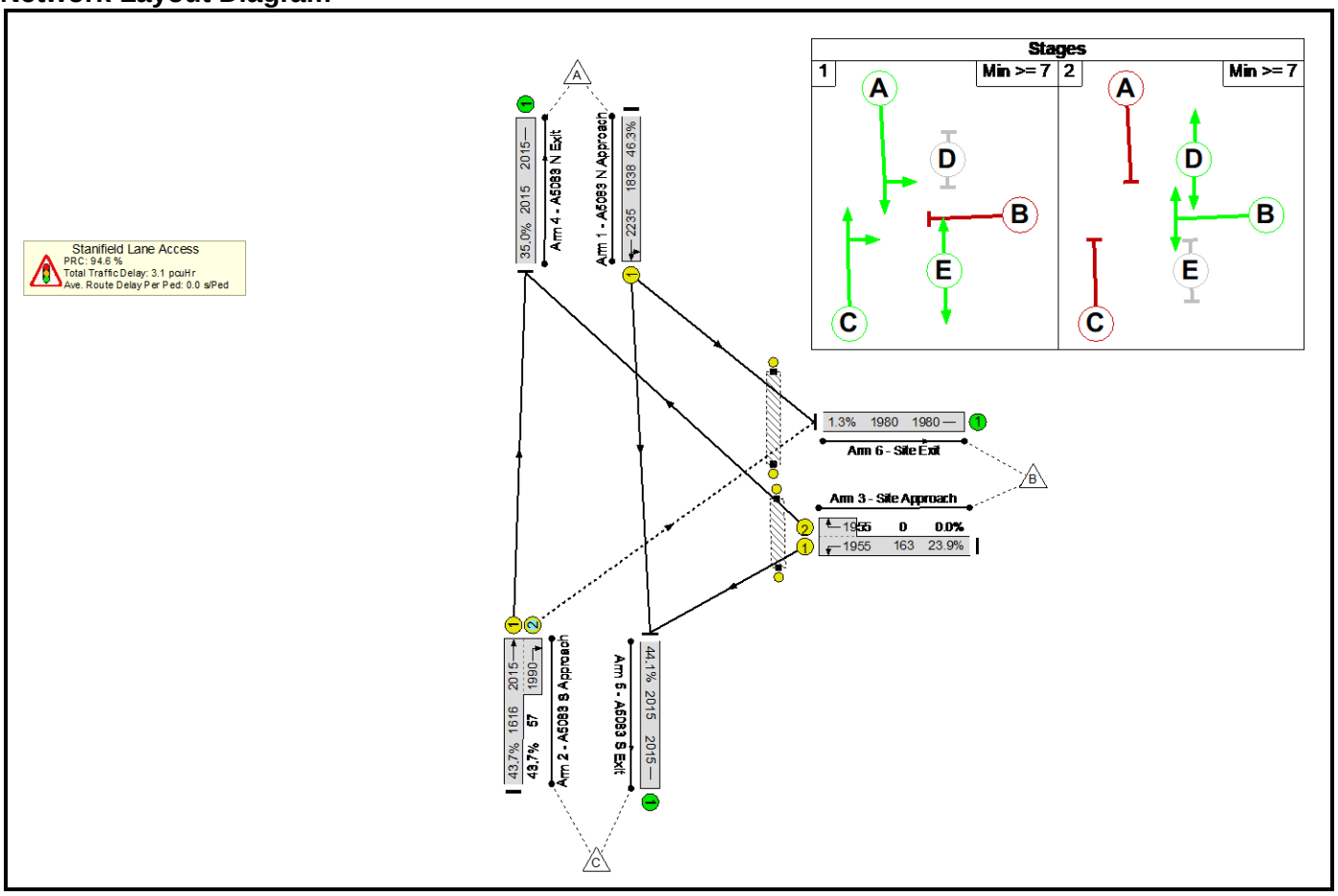
C1 PRC for Signalled Lanes (%): 71.0 Total Delay for Signalled Lanes (pcuHr): 2.09 Cycle Time (s): 90

PRC Over All Lanes (%): 71.0 Total Delay Over All Lanes(pcuHr): 2.77

Basic Results Summary

Scenario 14: 'DS1 2037 PM' (FG14: 'DS1 2037 + Committed Developments + Proposed development - PM', Plan 1: 'No Peds')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Stanifield Lane Access Junction	-	-	-		-	-	-	-	-	-	**46.3%**	**20**	**5**	**0**	**3.1**	-	-
Stanifield Lane Access	-	-	-		-	-	-	-	-	-	**46.3%**	**20**	**5**	**0**	**3.1**	-	-
1/1	A5083 N Approach Ahead Left	U	A		1	73	-	850	2235	1838	46.3%	-	-	-	1.0	4.1	6.3
2/1+2/2	A5083 S Approach Ahead Right	U+O	C		1	73	-	731	2015:1990	1616+57	43.7 : 43.7%	20	5	0	0.8	4.1	5.1
3/1+3/2	Site Approach Right Left	U	B		1	7	-	39	1955:1955	163+0	23.9 : 0.0%	-	-	-	0.6	52.6	1.1
4/1	A5083 N Exit	U	-		-	-	-	706	2015	2015	35.0%	-	-	-	0.3	1.4	0.3
5/1	A5083 S Exit	U	-		-	-	-	889	2015	2015	44.1%	-	-	-	0.4	1.6	4.4
6/1	Site Exit	U	-		-	-	-	25	1980	1980	1.3%	-	-	-	0.0	0.9	0.0
Ped Link: P1	Unnamed Ped Link	-	D		1	12	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Unnamed Ped Link	-	E		1	78	-	0	-	0	0.0%	-	-	-	-	-	-

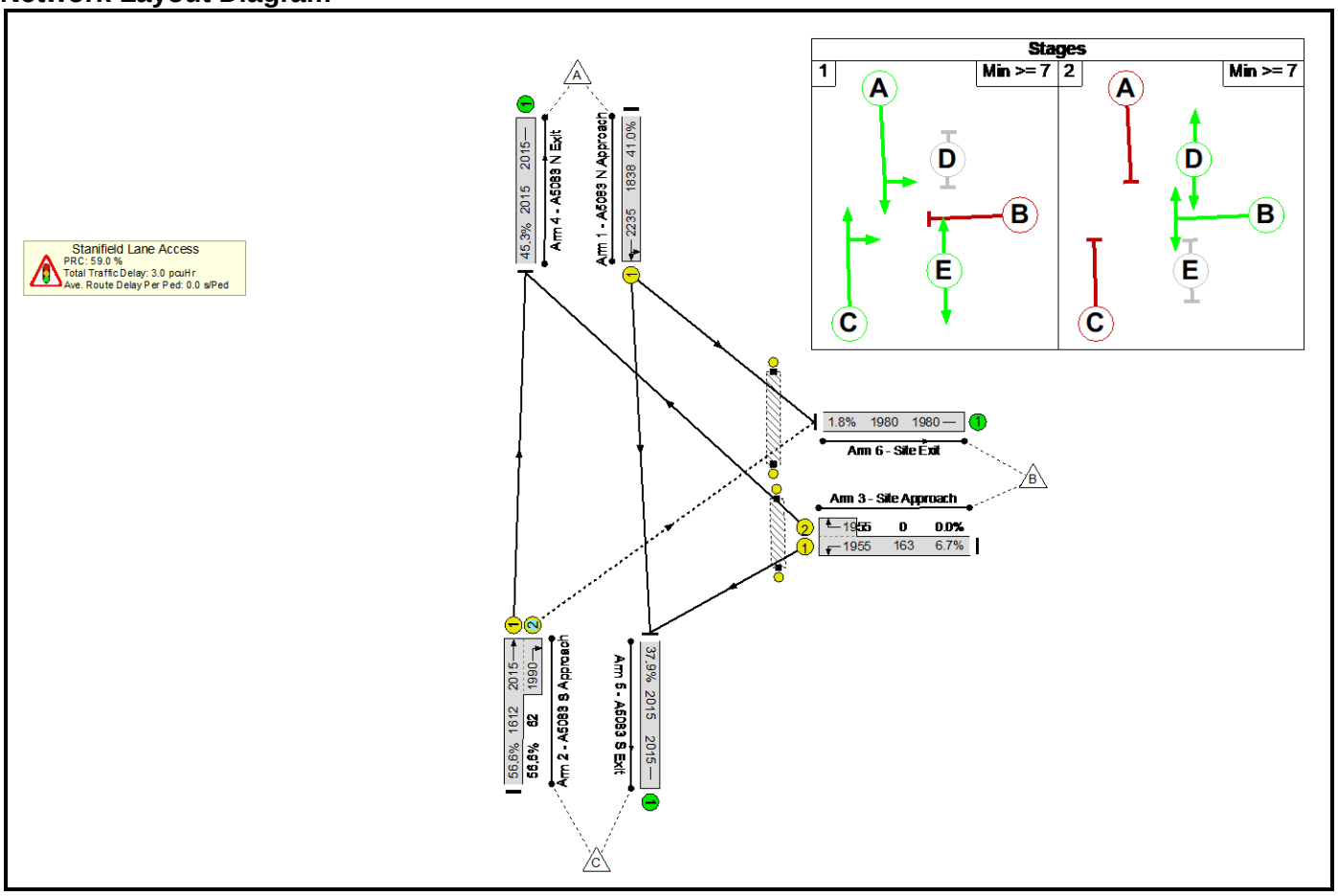
C1 PRC for Signalled Lanes (%): 94.6 Total Delay for Signalled Lanes (pcuHr): 2.37 Cycle Time (s): 90

PRC Over All Lanes (%): 94.6 Total Delay Over All Lanes(pcuHr): 3.05

Basic Results Summary

Scenario 15: 'DS2 2037 AM' (FG15: 'DS2 2037 + Committed and Expected Developments + Proposed development - AM', Plan 1: 'No Peds')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Stanifield Lane Access Junction	-	-	-		-	-	-	-	-	-	**56.6%**	**28**	**7**	**0**	**3.0**	-	-
Stanifield Lane Access	-	-	-		-	-	-	-	-	-	**56.6%**	**28**	**7**	**0**	**3.0**	-	-
1/1	A5083 N Approach Ahead Left	U	A		1	73	-	753	2235	1838	41.0%	-	-	-	0.8	3.8	5.4
2/1+2/2	A5083 S Approach Ahead Right	U+O	C		1	73	-	947	2015:1990	1612+62	56.6 : 56.6%	28	7	0	1.3	5.1	8.0
3/1+3/2	Site Approach Right Left	U	B		1	7	-	11	1955:1955	163+0	6.7 : 0.0%	-	-	-	0.2	49.6	0.3
4/1	A5083 N Exit	U	-		-	-	-	912	2015	2015	45.3%	-	-	-	0.4	1.6	0.4
5/1	A5083 S Exit	U	-		-	-	-	764	2015	2015	37.9%	-	-	-	0.3	1.5	3.2
6/1	Site Exit	U	-		-	-	-	35	1980	1980	1.8%	-	-	-	0.0	0.9	0.0
Ped Link: P1	Unnamed Ped Link	-	D		1	12	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Unnamed Ped Link	-	E		1	78	-	0	-	0	0.0%	-	-	-	-	-	-

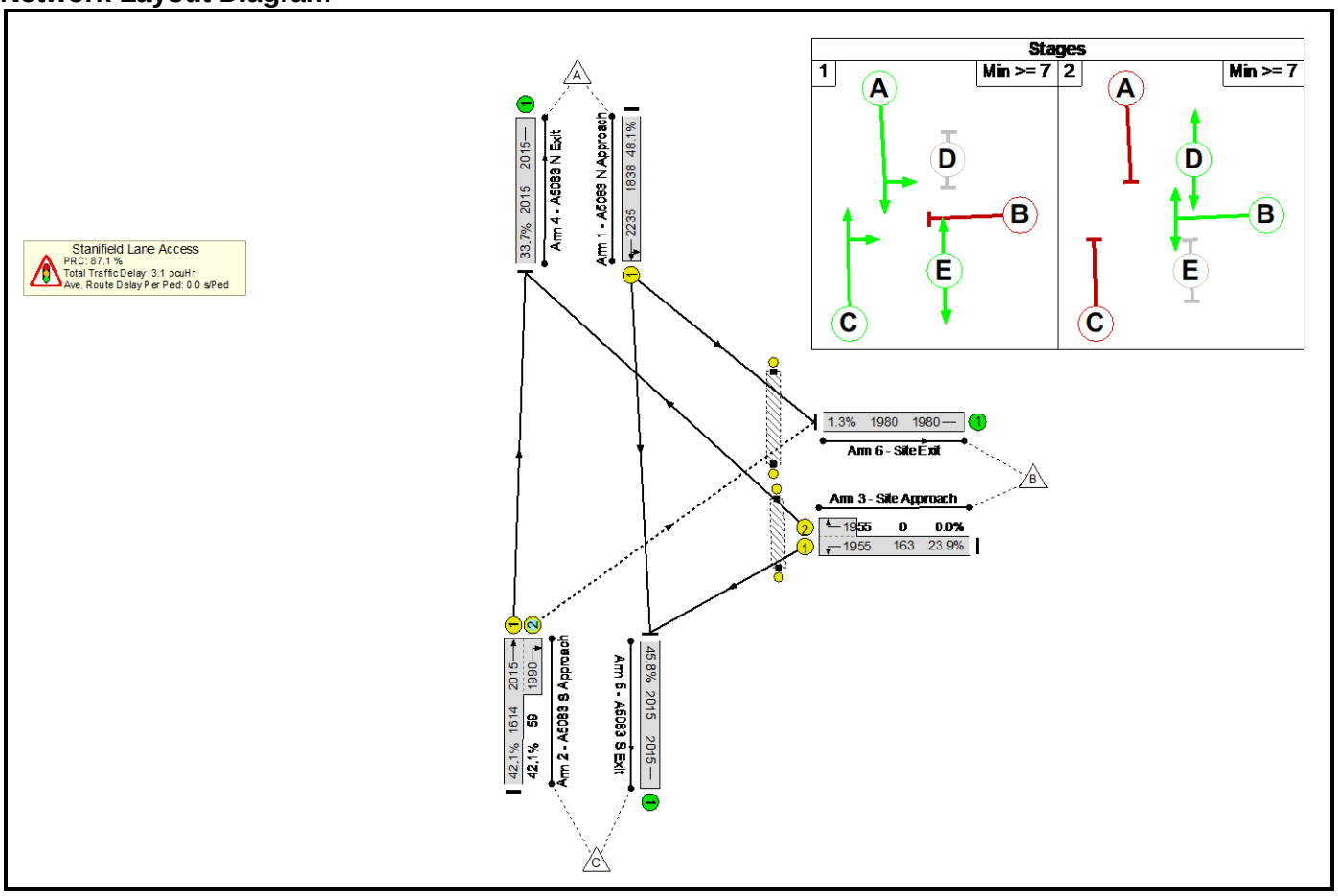
C1 PRC for Signalled Lanes (%): 59.0 Total Delay for Signalled Lanes (pcuHr): 2.28 Cycle Time (s): 90

PRC Over All Lanes (%): 59.0 Total Delay Over All Lanes(pcuHr): 3.01

Basic Results Summary

Scenario 16: 'DS2 2037 PM' (FG16: 'DS2 2037 + Committed and Expected Developments + Proposed development - PM', Plan 1: 'No Peds')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Stanifield Lane Access Junction	-	-	-		-	-	-	-	-	-	**48.1%**	**20**	**5**	**0**	**3.1**	-	-
Stanifield Lane Access	-	-	-		-	-	-	-	-	-	**48.1%**	**20**	**5**	**0**	**3.1**	-	-
1/1	A5083 N Approach Ahead Left	U	A		1	73	-	884	2235	1838	48.1%	-	-	-	1.0	4.2	6.8
2/1+2/2	A5083 S Approach Ahead Right	U+O	C		1	73	-	704	2015:1990	1614+59	42.1 : 42.1%	20	5	0	0.8	4.0	4.9
3/1+3/2	Site Approach Right Left	U	B		1	7	-	39	1955:1955	163+0	23.9 : 0.0%	-	-	-	0.6	52.6	1.1
4/1	A5083 N Exit	U	-		-	-	-	679	2015	2015	33.7%	-	-	-	0.3	1.3	0.3
5/1	A5083 S Exit	U	-		-	-	-	923	2015	2015	45.8%	-	-	-	0.4	1.7	5.0
6/1	Site Exit	U	-		-	-	-	25	1980	1980	1.3%	-	-	-	0.0	0.9	0.0
Ped Link: P1	Unnamed Ped Link	-	D		1	12	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Unnamed Ped Link	-	E		1	78	-	0	-	0	0.0%	-	-	-	-	-	-

C1 PRC for Signalled Lanes (%): 87.1 Total Delay for Signalled Lanes (pcuHr): 2.39 Cycle Time (s): 90

PRC Over All Lanes (%): 87.1 Total Delay Over All Lanes(pcuHr): 3.09

Junctions 10

PICADY 10 - Priority Intersection Module

Version: 10.0.1.1519

For sales and distribution information, program advice and maintenance, contact TRL Software:
+44 (0)1344 379777 software@trl.co.uk trlsoftware.com

Filename: J6 A5083 Stanifield Rd A5083 Lydiate Ln B5254 Stanifield Lane.j10
Path: \\uk.wspgroup.com\Central Data\Projects\70084xxx\70084465 - Lancashire Central, Cuerden\03 WIP\Junction Modelling\Junctions10
Report generation date: 31/05/2022 15:48:39

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	DM1 2032									
Stream B-C	D1	21.6	258.59	1.13	F	D2	33.4	351.47	1.30	F
Stream B-A		18.4	270.08	1.12	F		15.6	396.51	1.26	F
Stream C-AB		2.1	9.19	0.55	A		22.5	64.80	0.95	F
	DM2 2032									
Stream B-C	D3	27.9	337.89	1.21	F	D4	38.9	415.11	1.39	F
Stream B-A		23.6	344.54	1.19	F		18.0	458.30	1.35	F
Stream C-AB		2.2	8.84	0.55	A		26.2	79.32	0.97	F
	DM1 2037									
Stream B-C	D5	31.1	366.71	1.24	F	D6	53.0	572.04	1.60	F
Stream B-A		26.2	373.33	1.22	F		24.0	610.40	1.57	F
Stream C-AB		2.4	9.51	0.57	A		33.4	95.69	1.00	F
	DM2 2037									
Stream B-C	D7	38.3	456.51	1.33	F	D8	59.9	663.11	1.76	F
Stream B-A		32.2	463.25	1.30	F		27.0	699.86	1.72	F
Stream C-AB		2.6	9.15	0.57	A		38.9	117.13	1.02	F
	DS1 2032									
Stream B-C	D9	18.3	219.63	1.09	F	D10	22.3	230.66	1.16	F
Stream B-A		15.7	232.78	1.08	F		11.0	281.57	1.12	F
Stream C-AB		2.1	9.31	0.54	A		18.7	53.29	0.93	F
	DS2 2032									

Stream B-C	D11	24.0	292.25	1.16	F	D12	26.9	276.35	1.22	F
Stream B-A		20.4	299.16	1.15	F		12.9	326.11	1.18	F
Stream C-AB		2.2	8.94	0.55	A		21.5	65.38	0.95	F
	DS1 2037									
Stream B-C	D13	27.5	323.70	1.19	F	D14	38.6	398.75	1.37	F
Stream B-A		23.3	330.26	1.18	F		17.8	442.17	1.33	F
Stream C-AB		2.4	9.63	0.57	A		27.2	78.73	0.97	F
	DS2 2037									
Stream B-C	D15	34.3	406.23	1.27	F	D16	44.5	468.12	1.46	F
Stream B-A		29.0	412.64	1.26	F		20.3	509.80	1.43	F
Stream C-AB		2.5	9.26	0.57	A		31.6	95.53	0.99	F

There are warnings associated with one or more model runs - see the 'Data Errors and Warnings' tables for each Analysis or Demand Set.

Values shown are the highest values encountered over all time segments. Delay is the maximum value of average delay per arriving vehicle.

File summary

File Description

Title	J6 B5254 & A5083
Location	Cuerden
Site number	6
Date	07/02/2022
Version	1
Status	
Identifier	
Client	LCC and Maple Grove
Jobnumber	700084465
Enumerator	CORP\UKMXS097
Description	

Units

Distance units	Speed units	Traffic units input	Traffic units results	Flow units	Average delay units	Total delay units	Rate of delay units
m	kph	PCU	PCU	perHour	s	-Min	perMin

Analysis Options

Calculate Queue Percentiles	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
		0.85	36.00	20.00

Demand Set Summary

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D1	DM1 2032	AM	Do-Minimum: 2032 + Committed Developments – without development	ONE HOUR	07:15	08:45	15
D2	DM1 2032	PM	: Do-Minimum: 2032 + Committed Developments – without development	ONE HOUR	16:15	17:45	15
D3	DM2 2032	AM	Do-Minimum Sensitivity Test: 2032 + Committed and Expected Developments – without development	ONE HOUR	07:15	08:45	15
D4	DM2 2032	PM	Do-Minimum Sensitivity Test: 2032 + Committed and Expected Developments – without development	ONE HOUR	16:15	17:45	15
D5	DM1 2037	AM	Do-Minimum: 2037 + Committed Developments – without development	ONE HOUR	07:15	08:45	15
D6	DM1 2037	PM	Do-Minimum: 2037 + Committed Developments – without development	ONE HOUR	16:15	17:45	15
D7	DM2 2037	AM	Do-Minimum Sensitivity Test: 2037 + Committed and Expected Developments – without development	ONE HOUR	07:15	08:45	15
D8	DM2 2037	PM	Do-Minimum Sensitivity Test: 2037 + Committed and Expected Developments – without development	ONE HOUR	16:15	17:45	15
D9	DS1 2032	AM	Do-Something: 2032 + Committed Developments + Proposed development	ONE HOUR	07:15	08:45	15

D10	DS1 2032	PM	Do-Something: 2032 + Committed Developments + Proposed development	ONE HOUR	16:15	17:45	15
D11	DS2 2032	AM	Do-Something Sensitivity Test: 2032 + Committed and Expected Developments + Proposed development	ONE HOUR	07:15	08:45	15
D12	DS2 2032	PM	Do-Something Sensitivity Test: 2032 + Committed and Expected Developments + Proposed development	ONE HOUR	16:15	17:45	15
D13	DS1 2037	AM	Do-Something: 2037 + Committed Developments + Proposed development	ONE HOUR	07:15	08:45	15
D14	DS1 2037	PM	Do-Something: 2037 + Committed Developments + Proposed development	ONE HOUR	16:15	17:45	15
D15	DS2 2037	AM	Do-Something Sensitivity Test: 2037 + Committed and Expected Developments + Proposed development	ONE HOUR	07:15	08:45	15
D16	DS2 2037	PM	Do-Something Sensitivity Test: 2037 + Committed and Expected Developments + Proposed development	ONE HOUR	16:15	17:45	15

Analysis Set Details

ID	Network flow scaling factor (%)
A1	100.000

DM1 2032, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A5083 Stanifield Rd / A5083 Lydiate Ln / B5254 Stanifield Lane	T-Junction	Two-way	Two-way	Two-way		60.87	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	60.87	F

Arms

Arms

Arm	Name	Description	Arm type
A	Stanifield Ln North		Major
B	Lydiate Ln		Minor
C	Stanifield Ln South		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right-turn storage	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	7.50			200.0	✓	1.00

Geometries for Arm C are measured opposite Arm B. Geometries for Arm A (if relevant) are measured opposite Arm D.

Minor Arm Geometry

Arm	Minor arm type	Width at give-way (m)	Width at 5m (m)	Width at 10m (m)	Width at 15m (m)	Width at 20m (m)	Estimate flare length	Flare length (PCU)	Visibility to left (m)	Visibility to right (m)
B	One lane plus flare	10.00	10.00	10.00	10.00	7.25		4.00	30	135

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	646	0.110	0.278	0.175	0.397
B-C	836	0.120	0.303	-	-
C-B	690	0.250	0.250	-	-

The slopes and intercepts shown above include custom intercept adjustments only.

Streams may be combined, in which case capacity will be adjusted.

Values are shown for the first time segment only; they may differ for subsequent time segments.

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D1	DM1 2032	AM	Do-Minimum: 2032 + Committed Developments – without development	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	739	100.000
B		✓	473	100.000
C		✓	895	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	173	566
	B	216	0	257
	C	653	242	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	1.13	258.59	21.6	F
B-A	1.12	270.08	18.4	F
C-AB	0.55	9.19	2.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service

B-C	193	609	0.318	192	0.5	8.583	A
B-A	163	355	0.459	159	0.8	18.161	C
C-AB	236	713	0.331	233	0.6	7.480	A
C-A	438			438			
A-B	130			130			
A-C	426			426			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	231	529	0.436	230	0.8	11.969	B
B-A	194	296	0.656	191	1.7	32.967	D
C-AB	319	768	0.415	317	1.0	8.009	A
C-A	486			486			
A-B	156			156			
A-C	509			509			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	283	250	1.131	234	12.9	132.913	F
B-A	238	214	1.111	200	11.1	147.431	F
C-AB	482	880	0.548	478	2.1	9.005	A
C-A	503			503			
A-B	190			190			
A-C	623			623			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	283	252	1.122	248	21.6	258.595	F
B-A	238	213	1.119	209	18.4	270.085	F
C-AB	482	880	0.548	482	2.1	9.194	A
C-A	503			503			
A-B	190			190			
A-C	623			623			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	231	375	0.615	310	1.8	90.856	F
B-A	194	284	0.684	256	2.8	143.388	F
C-AB	319	768	0.415	323	1.1	8.223	A
C-A	486			486			
A-B	156			156			
A-C	509			509			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	193	602	0.322	199	0.5	9.053	A
B-A	163	353	0.460	170	0.9	20.432	C
C-AB	236	713	0.331	238	0.7	7.615	A
C-A	438			438			
A-B	130			130			
A-C	426			426			

DM1 2032, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A5083 Stanifield Rd / A5083 Lydiate Ln / B5254 Stanifield Lane	T-Junction	Two-way	Two-way	Two-way		85.61	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	85.61	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D2	DM1 2032	PM	: Do-Minimum: 2032 + Committed Developments – without development	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	911	100.000
B		✓	404	100.000
C		✓	963	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	228	683
	B	124	0	280
	C	584	379	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	1.30	351.47	33.4	F
B-A	1.26	396.51	15.6	F
C-AB	0.95	64.80	22.5	F
C-A				
A-B				
A-C				

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	211	617	0.342	209	0.5	8.779	A
B-A	93	288	0.324	91	0.5	18.129	C
C-AB	419	760	0.550	412	1.7	10.250	B
C-A	306			306			
A-B	172			172			
A-C	514			514			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	252	549	0.458	250	0.8	11.992	B
B-A	111	218	0.511	109	1.0	32.499	D
C-AB	600	854	0.702	591	3.8	13.900	B
C-A	266			266			
A-B	205			205			
A-C	614			614			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	308	265	1.162	251	15.1	143.668	F
B-A	137	120	1.142	109	8.0	196.921	F
C-AB	998	1050	0.950	943	17.4	36.341	E
C-A	63			63			
A-B	251			251			
A-C	752			752			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	308	237	1.303	235	33.4	351.467	F
B-A	137	108	1.264	106	15.6	396.508	F
C-AB	998	1050	0.950	977	22.5	64.803	F
C-A	63			63			

A-B	251			251			
A-C	752			752			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	252	387	0.650	374	2.9	184.716	F
B-A	111	174	0.639	163	2.8	219.763	F
C-AB	600	854	0.702	671	4.6	29.514	D
C-A	266			266			
A-B	205			205			
A-C	614			614			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	211	608	0.347	220	0.5	9.499	A
B-A	93	283	0.330	103	0.5	20.876	C
C-AB	419	760	0.550	429	1.9	11.383	B
C-A	306			306			
A-B	172			172			
A-C	514			514			

DM2 2032, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A5083 Stanifield Rd / A5083 Lydiate Ln / B5254 Stanifield Lane	T-Junction	Two-way	Two-way	Two-way		75.63	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	75.63	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D3	DM2 2032	AM	Do-Minimum Sensitivity Test: 2032 + Committed and Expected Developments – without development	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	744	100.000
B		✓	473	100.000
C		✓	961	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	173	571
	B	216	0	257
	C	719	242	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	1.21	337.89	27.9	F
B-A	1.19	344.54	23.6	F
C-AB	0.55	8.84	2.2	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	193	606	0.320	192	0.5	8.661	A
B-A	163	345	0.472	159	0.9	19.069	C
C-AB	242	729	0.331	239	0.6	7.324	A
C-A	482			482			
A-B	130			130			
A-C	430			430			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	231	517	0.447	230	0.8	12.472	B
B-A	194	284	0.683	190	1.9	36.531	E
C-AB	330	792	0.416	328	1.0	7.779	A
C-A	534			534			
A-B	156			156			
A-C	513			513			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	283	235	1.207	223	15.9	162.543	F
B-A	238	201	1.182	191	13.5	179.278	F
C-AB	505	920	0.549	501	2.2	8.652	A
C-A	553			553			
A-B	190			190			
A-C	629			629			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	283	237	1.194	235	27.9	337.892	F
B-A	238	200	1.191	197	23.6	344.540	F
C-AB	505	920	0.549	505	2.2	8.837	A
C-A	553			553			

A-B	190			190			
A-C	629			629			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	231	320	0.723	309	8.5	218.465	F
B-A	194	269	0.721	259	7.5	226.950	F
C-AB	330	792	0.416	334	1.1	7.993	A
C-A	534			534			
A-B	156			156			
A-C	513			513			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	193	584	0.331	225	0.5	10.931	B
B-A	163	343	0.474	189	0.9	27.113	D
C-AB	242	729	0.331	243	0.7	7.460	A
C-A	482			482			
A-B	130			130			
A-C	430			430			

DM2 2032, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A5083 Stanifield Rd / A5083 Lydiate Ln / B5254 Stanifield Lane	T-Junction	Two-way	Two-way	Two-way		101.01	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	101.01	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D4	DM2 2032	PM	Do-Minimum Sensitivity Test: 2032 + Committed and Expected Developments – without development	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	946	100.000
B		✓	404	100.000
C		✓	936	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	229	717
	B	124	0	280
	C	557	379	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	1.39	415.11	38.9	F
B-A	1.35	458.30	18.0	F
C-AB	0.97	79.32	26.2	F
C-A				
A-B				
A-C				

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	211	609	0.346	209	0.5	8.953	A
B-A	93	285	0.328	91	0.5	18.456	C
C-AB	416	746	0.557	409	1.7	10.602	B
C-A	289			289			
A-B	172			172			
A-C	540			540			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	252	539	0.467	250	0.9	12.420	B
B-A	111	214	0.521	109	1.0	33.782	D
C-AB	596	835	0.714	587	3.9	14.734	B
C-A	246			246			
A-B	206			206			
A-C	645			645			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	308	254	1.212	243	17.2	165.306	F
B-A	137	115	1.190	105	8.8	220.010	F
C-AB	996	1025	0.971	934	19.3	42.031	E
C-A	35			35			
A-B	252			252			
A-C	789			789			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	308	222	1.386	221	38.9	415.110	F
B-A	137	101	1.349	100	18.0	458.304	F
C-AB	996	1025	0.971	968	26.2	79.319	F
C-A	35			35			

A-B	252			252			
A-C	789			789			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	252	370	0.679	361	11.6	255.880	F
B-A	111	167	0.668	158	6.4	285.193	F
C-AB	596	835	0.714	681	4.9	38.706	E
C-A	246			246			
A-B	206			206			
A-C	645			645			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	211	591	0.357	255	0.6	12.188	B
B-A	93	278	0.335	117	0.5	25.378	D
C-AB	416	746	0.557	428	1.9	11.906	B
C-A	289			289			
A-B	172			172			
A-C	540			540			

DM1 2037, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A5083 Stanifield Rd / A5083 Lydiate Ln / B5254 Stanifield Lane	T-Junction	Two-way	Two-way	Two-way		84.73	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	84.73	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D5	DM1 2037	AM	Do-Minimum: 2037 + Committed Developments – without development	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	761	100.000
B		✓	487	100.000
C		✓	922	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	178	583
	B	222	0	265
	C	672	250	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	1.24	366.71	31.1	F
B-A	1.22	373.33	26.2	F
C-AB	0.57	9.51	2.4	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	200	600	0.332	198	0.5	8.898	A
B-A	167	346	0.484	164	0.9	19.421	C
C-AB	248	721	0.344	245	0.7	7.554	A
C-A	446			446			
A-B	134			134			
A-C	439			439			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	238	507	0.470	237	0.9	13.245	B
B-A	200	285	0.700	195	2.1	38.104	E
C-AB	338	781	0.433	336	1.1	8.123	A
C-A	491			491			
A-B	160			160			
A-C	524			524			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	292	236	1.235	226	17.4	173.440	F
B-A	244	202	1.209	193	14.8	190.970	F
C-AB	518	904	0.573	513	2.4	9.276	A
C-A	497			497			
A-B	196			196			
A-C	642			642			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	292	239	1.223	237	31.1	366.705	F
B-A	244	200	1.219	199	26.2	373.334	F
C-AB	518	904	0.573	518	2.4	9.513	A
C-A	497			497			

A-B	196			196			
A-C	642			642			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	238	321	0.742	311	12.9	255.246	F
B-A	200	270	0.740	260	11.2	265.056	F
C-AB	338	781	0.433	343	1.2	8.384	A
C-A	491			491			
A-B	160			160			
A-C	524			524			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	200	566	0.353	249	0.6	13.252	B
B-A	167	343	0.487	208	1.0	34.519	D
C-AB	248	721	0.344	250	0.7	7.703	A
C-A	446			446			
A-B	134			134			
A-C	439			439			

DM1 2037, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A5083 Stanifield Rd / A5083 Lydiate Ln / B5254 Stanifield Lane	T-Junction	Two-way	Two-way	Two-way		135.64	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	135.64	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D6	DM1 2037	PM	Do-Minimum: 2037 + Committed Developments – without development	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	936	100.000
B		✓	415	100.000
C		✓	991	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	234	702
	B	127	0	288
	C	600	391	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	1.60	572.04	53.0	F
B-A	1.57	610.40	24.0	F
C-AB	1.00	95.69	33.4	F
C-A				
A-B				
A-C				

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	217	609	0.356	215	0.5	9.084	A
B-A	96	278	0.344	94	0.5	19.293	C
C-AB	443	773	0.573	435	1.9	10.585	B
C-A	303			303			
A-B	176			176			
A-C	529			529			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	259	534	0.485	257	0.9	12.932	B
B-A	114	206	0.555	112	1.1	37.292	E
C-AB	641	875	0.733	631	4.5	15.026	C
C-A	250			250			
A-B	210			210			
A-C	631			631			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	317	236	1.343	228	23.1	225.947	F
B-A	140	106	1.315	100	11.1	284.205	F
C-AB	1086	1090	0.996	1010	23.4	47.446	E
C-A	6			6			
A-B	258			258			
A-C	773			773			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	317	198	1.605	197	53.0	572.038	F
B-A	140	89	1.571	88	24.0	610.403	F
C-AB	1086	1090	0.996	1046	33.4	95.687	F
C-A	6			6			

A-B	258			258			
A-C	773			773			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	259	353	0.733	347	31.1	411.314	F
B-A	114	158	0.724	151	14.7	430.735	F
C-AB	641	875	0.733	752	5.8	54.914	F
C-A	250			250			
A-B	210			210			
A-C	631			631			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	217	562	0.386	338	0.6	28.857	D
B-A	96	266	0.360	152	0.6	48.927	E
C-AB	443	773	0.573	457	2.1	12.137	B
C-A	303			303			
A-B	176			176			
A-C	529			529			

DM2 2037, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A5083 Stanifield Rd / A5083 Lydiate Ln / B5254 Stanifield Lane	T-Junction	Two-way	Two-way	Two-way		101.57	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	101.57	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D7	DM2 2037	AM	Do-Minimum Sensitivity Test: 2037 + Committed and Expected Developments – without development	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	766	100.000
B		✓	487	100.000
C		✓	988	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	178	588
	B	222	0	265
	C	738	250	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	1.33	456.51	38.3	F
B-A	1.30	463.25	32.2	F
C-AB	0.57	9.15	2.6	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	200	596	0.335	198	0.5	8.990	A
B-A	167	336	0.498	163	0.9	20.460	C
C-AB	254	737	0.345	252	0.7	7.390	A
C-A	490			490			
A-B	134			134			
A-C	443			443			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	238	491	0.485	237	0.9	14.062	B
B-A	200	273	0.730	194	2.3	42.774	E
C-AB	350	806	0.434	348	1.1	7.885	A
C-A	538			538			
A-B	160			160			
A-C	529			529			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	292	220	1.325	212	20.8	211.730	F
B-A	244	189	1.293	183	17.7	232.403	F
C-AB	543	946	0.575	538	2.5	8.909	A
C-A	544			544			
A-B	196			196			
A-C	647			647			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	292	223	1.309	222	38.3	456.505	F
B-A	244	187	1.305	186	32.2	463.248	F
C-AB	543	946	0.575	543	2.6	9.146	A
C-A	544			544			

A-B	196			196			
A-C	647			647			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	238	310	0.768	302	22.3	344.985	F
B-A	200	260	0.766	253	19.0	359.899	F
C-AB	350	806	0.434	355	1.2	8.145	A
C-A	538			538			
A-B	160			160			
A-C	529			529			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	200	521	0.383	286	0.6	22.278	C
B-A	167	330	0.506	239	1.1	67.766	F
C-AB	254	737	0.345	256	0.7	7.539	A
C-A	490			490			
A-B	134			134			
A-C	443			443			

DM2 2037, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A5083 Stanifield Rd / A5083 Lydiate Ln / B5254 Stanifield Lane	T-Junction	Two-way	Two-way	Two-way		157.81	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	157.81	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D8	DM2 2037	PM	Do-Minimum Sensitivity Test: 2037 + Committed and Expected Developments – without development	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	971	100.000
B		✓	415	100.000
C		✓	964	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	235	736
	B	127	0	288
	C	573	391	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	1.76	663.11	59.9	F
B-A	1.72	699.86	27.0	F
C-AB	1.02	117.13	38.9	F
C-A				
A-B				
A-C				

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	217	601	0.361	215	0.6	9.271	A
B-A	96	275	0.348	94	0.5	19.695	C
C-AB	440	758	0.580	432	2.0	10.964	B
C-A	286			286			
A-B	177			177			
A-C	554			554			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	259	523	0.495	257	1.0	13.455	B
B-A	114	201	0.567	111	1.2	38.976	E
C-AB	638	856	0.745	627	4.7	16.010	C
C-A	229			229			
A-B	211			211			
A-C	662			662			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	317	225	1.411	218	25.7	262.882	F
B-A	140	101	1.381	96	12.2	323.760	F
C-AB	1061	1042	1.018	976	26.0	55.774	F
C-A	0			0			
A-B	259			259			
A-C	810			810			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	317	181	1.756	180	59.9	663.106	F
B-A	140	81	1.723	81	27.0	699.864	F
C-AB	1061	1042	1.018	1010	38.9	117.131	F
C-A	0			0			

A-B	259			259			
A-C	810			810			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	259	338	0.767	332	41.5	499.287	F
B-A	114	151	0.758	145	19.2	513.257	F
C-AB	638	856	0.745	768	6.3	77.534	F
C-A	229			229			
A-B	211			211			
A-C	662			662			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	217	532	0.408	380	0.7	66.922	F
B-A	96	253	0.377	170	0.7	83.800	F
C-AB	440	758	0.580	456	2.2	12.803	B
C-A	286			286			
A-B	177			177			
A-C	554			554			

DS1 2032, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A5083 Stanifield Rd / A5083 Lydiate Ln / B5254 Stanifield Lane	T-Junction	Two-way	Two-way	Two-way		53.25	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	53.25	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D9	DS1 2032	AM	Do-Something: 2032 + Committed Developments + Proposed development	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	730	100.000
B		✓	473	100.000
C		✓	866	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	173	557
	B	216	0	257
	C	624	242	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	1.09	219.63	18.3	F
B-A	1.08	232.78	15.7	F
C-AB	0.54	9.31	2.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	193	613	0.316	192	0.5	8.517	A
B-A	163	360	0.451	159	0.8	17.667	C
C-AB	233	707	0.330	231	0.6	7.532	A
C-A	419			419			
A-B	130			130			
A-C	419			419			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	231	537	0.430	230	0.7	11.680	B
B-A	194	303	0.641	191	1.6	31.165	D
C-AB	314	758	0.414	312	1.0	8.088	A
C-A	465			465			
A-B	156			156			
A-C	501			501			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	283	259	1.092	240	11.4	118.278	F
B-A	238	221	1.074	205	9.8	131.736	F
C-AB	470	863	0.545	466	2.0	9.124	A
C-A	483			483			
A-B	190			190			
A-C	613			613			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	283	261	1.084	255	18.3	219.628	F
B-A	238	220	1.081	214	15.7	232.784	F
C-AB	470	863	0.545	470	2.1	9.308	A
C-A	483			483			

A-B	190			190			
A-C	613			613			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	231	429	0.539	299	1.2	42.775	E
B-A	194	294	0.659	248	2.3	103.813	F
C-AB	314	758	0.414	318	1.1	8.296	A
C-A	465			465			
A-B	156			156			
A-C	501			501			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	193	606	0.319	197	0.5	8.850	A
B-A	163	359	0.453	168	0.9	19.405	C
C-AB	233	707	0.330	235	0.6	7.663	A
C-A	419			419			
A-B	130			130			
A-C	419			419			

DS1 2032 , PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A5083 Stanifield Rd / A5083 Lydiate Ln / B5254 Stanifield Lane	T-Junction	Two-way	Two-way	Two-way		61.67	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	61.67	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D10	DS1 2032	PM	Do-Something: 2032 + Committed Developments + Proposed development	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	875	100.000
B		✓	404	100.000
C		✓	948	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	228	647
	B	124	0	280
	C	569	379	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	1.16	230.66	22.3	F
B-A	1.12	281.57	11.0	F
C-AB	0.93	53.29	18.7	F
C-A				
A-B				
A-C				

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	211	626	0.337	209	0.5	8.583	A
B-A	93	298	0.314	92	0.4	17.327	C
C-AB	412	758	0.543	405	1.6	10.134	B
C-A	302			302			
A-B	172			172			
A-C	487			487			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	252	563	0.447	251	0.8	11.464	B
B-A	111	230	0.486	110	0.9	29.604	D
C-AB	585	847	0.691	577	3.5	13.518	B
C-A	267			267			
A-B	205			205			
A-C	582			582			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	308	291	1.059	269	10.7	103.638	F
B-A	137	131	1.042	115	6.2	153.548	F
C-AB	958	1031	0.929	912	15.0	32.372	D
C-A	86			86			
A-B	251			251			
A-C	712			712			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	308	266	1.161	262	22.3	230.659	F
B-A	137	122	1.118	117	11.0	281.565	F
C-AB	958	1031	0.929	943	18.7	53.287	F
C-A	86			86			

A-B	251			251			
A-C	712			712			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	252	490	0.514	337	1.1	38.542	E
B-A	111	204	0.545	150	1.4	92.502	F
C-AB	585	847	0.691	643	4.2	24.031	C
C-A	267			267			
A-B	205			205			
A-C	582			582			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	211	622	0.339	213	0.5	8.860	A
B-A	93	293	0.319	97	0.5	18.687	C
C-AB	412	758	0.543	421	1.8	11.139	B
C-A	302			302			
A-B	172			172			
A-C	487			487			

DS2 2032, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A5083 Stanifield Rd / A5083 Lydiate Ln / B5254 Stanifield Lane	T-Junction	Two-way	Two-way	Two-way		66.90	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	66.90	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D11	DS2 2032	AM	Do-Something Sensitivity Test: 2032 + Committed and Expected Developments + Proposed development	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	735	100.000
B		✓	473	100.000
C		✓	932	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	173	562
	B	216	0	257
	C	690	242	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	1.16	292.25	24.0	F
B-A	1.15	299.16	20.4	F
C-AB	0.55	8.94	2.2	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	193	609	0.318	192	0.5	8.589	A
B-A	163	351	0.464	159	0.8	18.527	C
C-AB	239	723	0.330	236	0.6	7.374	A
C-A	463			463			
A-B	130			130			
A-C	423			423			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	231	526	0.439	230	0.8	12.111	B
B-A	194	291	0.666	190	1.8	34.359	D
C-AB	324	782	0.415	323	1.0	7.855	A
C-A	514			514			
A-B	156			156			
A-C	505			505			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	283	244	1.161	230	14.1	144.244	F
B-A	238	209	1.139	197	12.0	159.622	F
C-AB	493	903	0.546	489	2.1	8.760	A
C-A	533			533			
A-B	190			190			
A-C	619			619			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	283	246	1.150	243	24.0	292.253	F
B-A	238	207	1.147	204	20.4	299.160	F
C-AB	493	903	0.546	493	2.2	8.944	A
C-A	533			533			

A-B	190			190			
A-C	619			619			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	231	327	0.706	312	3.7	170.872	F
B-A	194	276	0.704	261	3.7	178.531	F
C-AB	324	782	0.415	328	1.1	8.065	A
C-A	514			514			
A-B	156			156			
A-C	505			505			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	193	599	0.323	206	0.5	9.459	A
B-A	163	349	0.466	174	0.9	21.689	C
C-AB	239	723	0.330	241	0.7	7.506	A
C-A	463			463			
A-B	130			130			
A-C	423			423			

DS2 2032 , PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A5083 Stanifield Rd / A5083 Lydiate Ln / B5254 Stanifield Lane	T-Junction	Two-way	Two-way	Two-way		73.38	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	73.38	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D12	DS2 2032	PM	Do-Something Sensitivity Test: 2032 + Committed and Expected Developments + Proposed development	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	910	100.000
B		✓	404	100.000
C		✓	921	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	229	681
	B	124	0	280
	C	542	379	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	1.22	276.35	26.9	F
B-A	1.18	326.11	12.9	F
C-AB	0.95	65.38	21.5	F
C-A				
A-B				
A-C				

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	211	618	0.341	209	0.5	8.747	A
B-A	93	294	0.317	92	0.5	17.626	C
C-AB	409	743	0.550	402	1.7	10.478	B
C-A	285			285			
A-B	172			172			
A-C	513			513			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	252	553	0.455	250	0.8	11.847	B
B-A	111	225	0.495	110	0.9	30.669	D
C-AB	581	827	0.702	573	3.6	14.306	B
C-A	247			247			
A-B	206			206			
A-C	612			612			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	308	281	1.098	262	12.4	118.351	F
B-A	137	126	1.080	113	6.9	169.630	F
C-AB	955	1006	0.949	904	16.6	37.195	E
C-A	59			59			
A-B	252			252			
A-C	750			750			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	308	253	1.220	250	26.9	276.347	F
B-A	137	116	1.178	112	12.9	326.111	F
C-AB	955	1006	0.949	936	21.5	65.382	F
C-A	59			59			

A-B	252			252			
A-C	750			750			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	252	450	0.560	354	1.4	73.897	F
B-A	111	192	0.581	156	1.7	134.434	F
C-AB	581	827	0.702	649	4.5	29.709	D
C-A	247			247			
A-B	206			206			
A-C	612			612			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	211	613	0.344	214	0.5	9.107	A
B-A	93	289	0.323	98	0.5	19.300	C
C-AB	409	743	0.550	419	1.8	11.621	B
C-A	285			285			
A-B	172			172			
A-C	513			513			

DS1 2037 , AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A5083 Stanifield Rd / A5083 Lydiate Ln / B5254 Stanifield Lane	T-Junction	Two-way	Two-way	Two-way		76.56	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	76.56	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D13	DS1 2037	AM	Do-Something: 2037 + Committed Developments + Proposed development	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	752	100.000
B		✓	488	100.000
C		✓	892	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	178	574
	B	223	0	265
	C	642	250	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	1.19	323.70	27.5	F
B-A	1.18	330.26	23.3	F
C-AB	0.57	9.63	2.4	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	200	603	0.331	198	0.5	8.832	A
B-A	168	351	0.478	164	0.9	18.913	C
C-AB	245	714	0.343	243	0.7	7.607	A
C-A	426			426			
A-B	134			134			
A-C	432			432			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	238	515	0.462	237	0.8	12.871	B
B-A	200	292	0.686	196	1.9	35.986	E
C-AB	332	770	0.431	331	1.1	8.211	A
C-A	470			470			
A-B	160			160			
A-C	516			516			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	292	245	1.193	232	15.7	155.942	F
B-A	246	210	1.169	200	13.4	171.931	F
C-AB	505	886	0.570	500	2.3	9.403	A
C-A	477			477			
A-B	196			196			
A-C	632			632			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	292	247	1.181	245	27.5	323.703	F
B-A	246	208	1.178	206	23.3	330.258	F
C-AB	505	886	0.570	505	2.4	9.635	A
C-A	477			477			

A-B	196			196			
A-C	632			632			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	238	326	0.730	315	8.3	211.871	F
B-A	200	275	0.728	264	7.4	220.075	F
C-AB	332	770	0.431	337	1.2	8.462	A
C-A	470			470			
A-B	160			160			
A-C	516			516			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	200	582	0.343	231	0.5	11.155	B
B-A	168	349	0.480	194	1.0	26.712	D
C-AB	245	714	0.343	247	0.7	7.757	A
C-A	426			426			
A-B	134			134			
A-C	432			432			

DS1 2037 , PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A5083 Stanifield Rd / A5083 Lydiate Ln / B5254 Stanifield Lane	T-Junction	Two-way	Two-way	Two-way		100.92	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	100.92	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D14	DS1 2037	PM	Do-Something: 2037 + Committed Developments + Proposed development	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	899	100.000
B		✓	415	100.000
C		✓	975	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	234	665
	B	127	0	288
	C	584	391	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	1.37	398.75	38.6	F
B-A	1.33	442.17	17.8	F
C-AB	0.97	78.73	27.2	F
C-A				
A-B				
A-C				

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	217	619	0.350	215	0.5	8.866	A
B-A	96	288	0.332	94	0.5	18.358	C
C-AB	435	769	0.565	428	1.8	10.458	B
C-A	299			299			
A-B	176			176			
A-C	501			501			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	259	550	0.471	258	0.9	12.251	B
B-A	114	218	0.525	112	1.0	33.442	D
C-AB	624	866	0.720	615	4.1	14.520	B
C-A	252			252			
A-B	210			210			
A-C	598			598			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	317	265	1.197	253	17.0	157.612	F
B-A	140	119	1.175	109	8.7	211.410	F
C-AB	1039	1068	0.973	976	20.0	41.544	E
C-A	34			34			
A-B	258			258			
A-C	732			732			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	317	232	1.367	231	38.6	398.754	F
B-A	140	105	1.330	104	17.8	442.170	F
C-AB	1039	1068	0.973	1010	27.2	78.728	F
C-A	34			34			

A-B	258			258			
A-C	732			732			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	259	378	0.684	369	11.1	246.971	F
B-A	114	170	0.673	161	6.2	276.739	F
C-AB	624	866	0.720	712	5.2	39.095	E
C-A	252			252			
A-B	210			210			
A-C	598			598			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	217	601	0.361	259	0.6	11.862	B
B-A	96	281	0.340	118	0.5	24.968	C
C-AB	435	769	0.565	447	2.0	11.796	B
C-A	299			299			
A-B	176			176			
A-C	501			501			

DS2 2037 , AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A5083 Stanifield Rd / A5083 Lydiate Ln / B5254 Stanifield Lane	T-Junction	Two-way	Two-way	Two-way		92.35	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	92.35	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D15	DS2 2037	AM	Do-Something Sensitivity Test: 2037 + Committed and Expected Developments + Proposed development	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	757	100.000
B		✓	488	100.000
C		✓	958	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	178	579
	B	223	0	265
	C	708	250	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	1.27	406.23	34.3	F
B-A	1.26	412.64	29.0	F
C-AB	0.57	9.26	2.5	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	200	599	0.333	198	0.5	8.918	A
B-A	168	342	0.491	164	0.9	19.896	C
C-AB	251	731	0.344	249	0.7	7.446	A
C-A	470			470			
A-B	134			134			
A-C	436			436			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	238	501	0.476	237	0.9	13.563	B
B-A	200	280	0.715	195	2.2	40.183	E
C-AB	344	795	0.432	342	1.1	7.966	A
C-A	517			517			
A-B	160			160			
A-C	521			521			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	292	229	1.275	220	19.0	189.985	F
B-A	246	197	1.246	190	16.2	208.659	F
C-AB	530	927	0.572	525	2.4	9.025	A
C-A	525			525			
A-B	196			196			
A-C	637			637			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	292	232	1.260	230	34.3	406.232	F
B-A	246	195	1.256	194	29.0	412.642	F
C-AB	530	927	0.572	530	2.5	9.257	A
C-A	525			525			

A-B	196			196			
A-C	637			637			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	238	316	0.754	307	17.2	295.511	F
B-A	200	266	0.753	257	14.8	307.316	F
C-AB	344	795	0.432	349	1.2	8.221	A
C-A	517			517			
A-B	160			160			
A-C	521			521			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	200	549	0.364	266	0.6	16.108	C
B-A	168	338	0.497	223	1.1	45.964	E
C-AB	251	731	0.344	253	0.7	7.593	A
C-A	470			470			
A-B	134			134			
A-C	436			436			

DS2 2037 , PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A5083 Stanifield Rd / A5083 Lydiate Ln / B5254 Stanifield Lane	T-Junction	Two-way	Two-way	Two-way		118.44	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	118.44	F

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D16	DS2 2037	PM	Do-Something Sensitivity Test: 2037 + Committed and Expected Developments + Proposed development	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	934	100.000
B		✓	415	100.000
C		✓	948	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	235	699
	B	127	0	288
	C	557	391	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	1.46	468.12	44.5	F
B-A	1.43	509.80	20.3	F
C-AB	0.99	95.53	31.6	F
C-A				
A-B				
A-C				

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	217	611	0.355	215	0.5	9.043	A
B-A	96	284	0.336	94	0.5	18.694	C
C-AB	432	754	0.573	424	1.9	10.825	B
C-A	282			282			
A-B	177			177			
A-C	526			526			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	259	539	0.480	257	0.9	12.702	B
B-A	114	213	0.536	112	1.1	34.802	D
C-AB	620	847	0.732	610	4.3	15.458	C
C-A	232			232			
A-B	211			211			
A-C	628			628			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	317	254	1.249	244	19.3	181.441	F
B-A	140	114	1.226	106	9.6	236.790	F
C-AB	1037	1043	0.994	965	22.3	48.117	E
C-A	7			7			
A-B	259			259			
A-C	770			770			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	317	217	1.462	216	44.5	468.123	F
B-A	140	98	1.426	97	20.3	509.803	F
C-AB	1037	1043	0.994	999	31.6	95.534	F
C-A	7			7			

A-B	259			259			
A-C	770			770			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	259	364	0.711	356	20.2	320.484	F
B-A	114	163	0.701	155	10.1	345.404	F
C-AB	620	847	0.732	724	5.5	53.849	F
C-A	232			232			
A-B	211			211			
A-C	628			628			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	217	581	0.373	295	0.6	16.628	C
B-A	96	276	0.347	134	0.6	32.262	D
C-AB	432	754	0.573	446	2.1	12.382	B
C-A	282			282			
A-B	177			177			
A-C	526			526			

Junctions 10

PICADY 10 - Priority Intersection Module

Version: 10.0.1.1519

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Filename: J9 - Nook Lane A49 Wigan Road.j10
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Report generation date: 31/05/2022 15:55:37

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	DM1 2032									
Stream B-C	D1	0.0	7.05	0.01	A	D2	0.0	7.62	0.05	A
Stream B-A		0.0	0.00	0.00	A		0.0	19.15	0.03	C
Stream C-AB		0.0	8.18	0.03	A		0.0	8.26	0.01	A
	DM2 2032									
Stream B-C	D3	0.0	7.05	0.01	A	D4	0.0	7.62	0.05	A
Stream B-A		0.0	0.00	0.00	A		0.0	19.15	0.03	C
Stream C-AB		0.0	8.18	0.03	A		0.0	8.26	0.01	A
	DM1 2037									
Stream B-C	D5	0.0	7.15	0.01	A	D6	0.1	7.72	0.05	A
Stream B-A		0.0	0.00	0.00	A		0.0	20.00	0.03	C
Stream C-AB		0.0	8.27	0.03	A		0.0	8.35	0.01	A
	DM2 2037									
Stream B-C	D7	0.0	7.15	0.01	A	D8	0.1	7.72	0.05	A
Stream B-A		0.0	0.00	0.00	A		0.0	20.00	0.03	C
Stream C-AB		0.0	8.27	0.03	A		0.0	8.35	0.01	A
	DS1 2032									
Stream B-C	D9	0.0	7.00	0.01	A	D10	0.0	7.38	0.05	A
Stream B-A		0.0	0.00	0.00	A		0.0	17.63	0.03	C
Stream C-AB		0.0	8.12	0.03	A		0.0	8.02	0.01	A
	DS2 2032									

Stream B-C	D11	0.0	7.00	0.01	A	D12	0.0	7.38	0.05	A
Stream B-A		0.0	0.00	0.00	A		0.0	17.63	0.03	C
Stream C-AB		0.0	8.12	0.03	A		0.0	8.02	0.01	A
	DS1 2037									
Stream B-C	D13	0.0	7.10	0.01	A	D14	0.1	7.47	0.05	A
Stream B-A		0.0	0.00	0.00	A		0.0	18.38	0.03	C
Stream C-AB		0.0	8.21	0.03	A		0.0	8.11	0.01	A
	DS2 2037									
Stream B-C	D15	0.0	7.10	0.01	A	D16	0.1	7.47	0.05	A
Stream B-A		0.0	0.00	0.00	A		0.0	18.38	0.03	C
Stream C-AB		0.0	8.21	0.03	A		0.0	8.11	0.01	A

There are warnings associated with one or more model runs - see the 'Data Errors and Warnings' tables for each Analysis or Demand Set.

Values shown are the highest values encountered over all time segments. Delay is the maximum value of average delay per arriving vehicle.

File summary

File Description

Title	J9 Nook Ln / A49 Wigan Rd
Location	Cuerden
Site number	9
Date	07/02/2022
Version	1
Status	
Identifier	
Client	LCC and Maple Grove
Jobnumber	70084465
Enumerator	CORP\UKMXS097
Description	

Units

Distance units	Speed units	Traffic units input	Traffic units results	Flow units	Average delay units	Total delay units	Rate of delay units
m	kph	PCU	PCU	perHour	s	-Min	perMin

Analysis Options

Calculate Queue Percentiles	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
		0.85	36.00	20.00

Demand Set Summary

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D1	DM1 2032	AM	Do-Minimum: 2032 + Committed Developments – without development	ONE HOUR	07:15	08:45	15
D2	DM1 2032	PM	Do-Minimum: 2032 + Committed Developments – without development	ONE HOUR	16:15	17:45	15
D3	DM2 2032	AM	Do-Minimum Sensitivity Test: 2032 + Committed and Expected Developments – without development	ONE HOUR	07:15	08:45	15
D4	DM2 2032	PM	Do-Minimum Sensitivity Test: 2032 + Committed and Expected Developments – without development	ONE HOUR	16:15	17:45	15
D5	DM1 2037	AM	Do-Minimum: 2037 + Committed Developments – without development	ONE HOUR	07:15	08:45	15
D6	DM1 2037	PM	Do-Minimum: 2037 + Committed Developments – without development	ONE HOUR	16:15	17:45	15
D7	DM2 2037	AM	Do-Minimum Sensitivity Test: 2037 + Committed and Expected Developments – without development	ONE HOUR	07:15	08:45	15
D8	DM2 2037	PM	Do-Minimum Sensitivity Test: 2037 + Committed and Expected Developments – without development	ONE HOUR	16:15	17:45	15
D9	DS1 2032	AM		ONE HOUR	07:15	08:45	15

D10	DS1 2032	PM		ONE HOUR	16:15	17:45	15
D11	DS2 2032	AM		ONE HOUR	07:15	08:45	15
D12	DS2 2032	PM		ONE HOUR	16:15	17:45	15
D13	DS1 2037	AM		ONE HOUR	07:15	08:45	15
D14	DS1 2037	PM		ONE HOUR	16:15	17:45	15
D15	DS2 2037	AM		ONE HOUR	07:15	08:45	15
D16	DS2 2037	PM		ONE HOUR	16:15	17:45	15

Analysis Set Details

ID	Network flow scaling factor (%)
A1	100.000

DM1 2032, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A49 Wigan Rd / Nook Ln	T-Junction	Two-way	Two-way	Two-way		0.10	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.10	A

Arms

Arms

Arm	Name	Description	Arm type
A	A49 Wigan Rd South		Major
B	Nook Ln		Minor
C	A49 Wigan Rd North		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right-turn storage	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	6.50			100.0	✓	2.00

Geometries for Arm C are measured opposite Arm B. Geometries for Arm A (if relevant) are measured opposite Arm D.

Minor Arm Geometry

Arm	Minor arm type	Width at give-way (m)	Width at 5m (m)	Width at 10m (m)	Width at 15m (m)	Width at 20m (m)	Estimate flare length	Flare length (PCU)	Visibility to left (m)	Visibility to right (m)
B	One lane plus flare	10.00	5.78	3.88	3.54	3.36		1.00	20	35

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	496	0.088	0.223	0.140	0.319
B-C	721	0.108	0.273	-	-
C-B	632	0.240	0.240	-	-

The slopes and intercepts shown above include custom intercept adjustments only.
Streams may be combined, in which case capacity will be adjusted.
Values are shown for the first time segment only; they may differ for subsequent time segments.

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D1	DM1 2032	AM	Do-Minimum: 2032 + Committed Developments – without development	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	683	100.000
B		✓	5	100.000
C		✓	577	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	3	680
	B	0	0	5
	C	566	11	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.01	7.05	0.0	A
B-A	0.00	0.00	0.0	A
C-AB	0.03	8.18	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service

B-C	4	581	0.006	4	0.0	6.239	A
B-A	0	319	0.000	0	0.0	0.000	A
C-AB	8	509	0.016	8	0.0	7.191	A
C-A	426			426			
A-B	2			2			
A-C	512			512			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	553	0.008	4	0.0	6.557	A
B-A	0	284	0.000	0	0.0	0.000	A
C-AB	10	485	0.020	10	0.0	7.575	A
C-A	509			509			
A-B	3			3			
A-C	611			611			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	6	516	0.011	5	0.0	7.053	A
B-A	0	237	0.000	0	0.0	0.000	A
C-AB	12	452	0.027	12	0.0	8.179	A
C-A	623			623			
A-B	3			3			
A-C	749			749			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	6	516	0.011	6	0.0	7.053	A
B-A	0	237	0.000	0	0.0	0.000	A
C-AB	12	452	0.027	12	0.0	8.179	A
C-A	623			623			
A-B	3			3			
A-C	749			749			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	553	0.008	5	0.0	6.557	A
B-A	0	284	0.000	0	0.0	0.000	A
C-AB	10	485	0.020	10	0.0	7.576	A
C-A	509			509			
A-B	3			3			
A-C	611			611			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	581	0.006	4	0.0	6.239	A
B-A	0	319	0.000	0	0.0	0.000	A
C-AB	8	509	0.016	8	0.0	7.194	A
C-A	426			426			
A-B	2			2			
A-C	512			512			

DM1 2032, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A49 Wigan Rd / Nook Ln	T-Junction	Two-way	Two-way	Two-way		0.18	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.18	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D2	DM1 2032	PM	Do-Minimum: 2032 + Committed Developments – without development	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	728	100.000
B		✓	26	100.000
C		✓	816	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	3	725
	B	5	0	21
	C	812	4	0

Vehicle Mix

Heavy Vehicle Percentages

	To			

		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.05	7.62	0.0	A
B-A	0.03	19.15	0.0	C
C-AB	0.01	8.26	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	16	566	0.028	16	0.0	6.538	A
B-A	4	292	0.013	4	0.0	12.501	B
C-AB	3	501	0.006	3	0.0	7.233	A
C-A	611			611			
A-B	2			2			
A-C	546			546			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	19	537	0.035	19	0.0	6.951	A
B-A	4	250	0.018	4	0.0	14.633	B
C-AB	4	475	0.008	4	0.0	7.632	A
C-A	730			730			
A-B	3			3			
A-C	652			652			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	23	496	0.047	23	0.0	7.617	A
B-A	6	193	0.028	5	0.0	19.144	C
C-AB	4	440	0.010	4	0.0	8.264	A
C-A	894			894			
A-B	3			3			
A-C	798			798			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	23	496	0.047	23	0.0	7.618	A
B-A	6	194	0.028	6	0.0	19.147	C
C-AB	4	440	0.010	4	0.0	8.264	A
C-A	894			894			
A-B	3			3			

A-C	798			798			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	19	537	0.035	19	0.0	6.957	A
B-A	4	251	0.018	5	0.0	14.632	B
C-AB	4	475	0.008	4	0.0	7.633	A
C-A	730			730			
A-B	3			3			
A-C	652			652			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	16	566	0.028	16	0.0	6.545	A
B-A	4	292	0.013	4	0.0	12.500	B
C-AB	3	501	0.006	3	0.0	7.236	A
C-A	611			611			
A-B	2			2			
A-C	546			546			

DM2 2032, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A49 Wigan Rd / Nook Ln	T-Junction	Two-way	Two-way	Two-way		0.10	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.10	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D3	DM2 2032	AM	Do-Minimum Sensitivity Test: 2032 + Committed and Expected Developments – without development	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	683	100.000
B		✓	5	100.000
C		✓	577	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	3	680
	B	0	0	5
	C	566	11	0

Vehicle Mix

Heavy Vehicle Percentages

	To

From		A	B	C
	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.01	7.05	0.0	A
B-A	0.00	0.00	0.0	A
C-AB	0.03	8.18	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	581	0.006	4	0.0	6.239	A
B-A	0	319	0.000	0	0.0	0.000	A
C-AB	8	509	0.016	8	0.0	7.191	A
C-A	426			426			
A-B	2			2			
A-C	512			512			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	553	0.008	4	0.0	6.557	A
B-A	0	284	0.000	0	0.0	0.000	A
C-AB	10	485	0.020	10	0.0	7.575	A
C-A	509			509			
A-B	3			3			
A-C	611			611			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	6	516	0.011	5	0.0	7.053	A
B-A	0	237	0.000	0	0.0	0.000	A
C-AB	12	452	0.027	12	0.0	8.179	A
C-A	623			623			
A-B	3			3			
A-C	749			749			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	6	516	0.011	6	0.0	7.053	A
B-A	0	237	0.000	0	0.0	0.000	A
C-AB	12	452	0.027	12	0.0	8.179	A
C-A	623			623			
A-B	3			3			

A-C	749			749			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	553	0.008	5	0.0	6.557	A
B-A	0	284	0.000	0	0.0	0.000	A
C-AB	10	485	0.020	10	0.0	7.576	A
C-A	509			509			
A-B	3			3			
A-C	611			611			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	581	0.006	4	0.0	6.239	A
B-A	0	319	0.000	0	0.0	0.000	A
C-AB	8	509	0.016	8	0.0	7.194	A
C-A	426			426			
A-B	2			2			
A-C	512			512			

DM2 2032, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A49 Wigan Rd / Nook Ln	T-Junction	Two-way	Two-way	Two-way		0.18	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.18	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D4	DM2 2032	PM	Do-Minimum Sensitivity Test: 2032 + Committed and Expected Developments – without development	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	728	100.000
B		✓	26	100.000
C		✓	816	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	3	725
	B	5	0	21
	C	812	4	0

Vehicle Mix

Heavy Vehicle Percentages

	To

From		A	B	C
	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.05	7.62	0.0	A
B-A	0.03	19.15	0.0	C
C-AB	0.01	8.26	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	16	566	0.028	16	0.0	6.538	A
B-A	4	292	0.013	4	0.0	12.501	B
C-AB	3	501	0.006	3	0.0	7.233	A
C-A	611			611			
A-B	2			2			
A-C	546			546			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	19	537	0.035	19	0.0	6.951	A
B-A	4	250	0.018	4	0.0	14.633	B
C-AB	4	475	0.008	4	0.0	7.632	A
C-A	730			730			
A-B	3			3			
A-C	652			652			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	23	496	0.047	23	0.0	7.617	A
B-A	6	193	0.028	5	0.0	19.144	C
C-AB	4	440	0.010	4	0.0	8.264	A
C-A	894			894			
A-B	3			3			
A-C	798			798			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	23	496	0.047	23	0.0	7.618	A
B-A	6	194	0.028	6	0.0	19.147	C
C-AB	4	440	0.010	4	0.0	8.264	A
C-A	894			894			
A-B	3			3			

A-C	798			798			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	19	537	0.035	19	0.0	6.957	A
B-A	4	251	0.018	5	0.0	14.632	B
C-AB	4	475	0.008	4	0.0	7.633	A
C-A	730			730			
A-B	3			3			
A-C	652			652			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	16	566	0.028	16	0.0	6.545	A
B-A	4	292	0.013	4	0.0	12.500	B
C-AB	3	501	0.006	3	0.0	7.236	A
C-A	611			611			
A-B	2			2			
A-C	546			546			

DM1 2037, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A49 Wigan Rd / Nook Ln	T-Junction	Two-way	Two-way	Two-way		0.10	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.10	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D5	DM1 2037	AM	Do-Minimum: 2037 + Committed Developments – without development	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	702	100.000
B		✓	6	100.000
C		✓	591	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	3	699
	B	0	0	6
	C	580	11	0

Vehicle Mix

Heavy Vehicle Percentages

	To			

		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.01	7.15	0.0	A
B-A	0.00	0.00	0.0	A
C-AB	0.03	8.27	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	5	577	0.008	4	0.0	6.290	A
B-A	0	314	0.000	0	0.0	0.000	A
C-AB	8	505	0.016	8	0.0	7.240	A
C-A	437			437			
A-B	2			2			
A-C	526			526			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	5	549	0.010	5	0.0	6.624	A
B-A	0	279	0.000	0	0.0	0.000	A
C-AB	10	481	0.021	10	0.0	7.641	A
C-A	521			521			
A-B	3			3			
A-C	628			628			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	7	510	0.013	7	0.0	7.148	A
B-A	0	230	0.000	0	0.0	0.000	A
C-AB	12	447	0.027	12	0.0	8.273	A
C-A	639			639			
A-B	3			3			
A-C	770			770			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	7	510	0.013	7	0.0	7.148	A
B-A	0	230	0.000	0	0.0	0.000	A
C-AB	12	447	0.027	12	0.0	8.273	A
C-A	639			639			
A-B	3			3			

A-C	770			770			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	5	549	0.010	5	0.0	6.624	A
B-A	0	279	0.000	0	0.0	0.000	A
C-AB	10	481	0.021	10	0.0	7.645	A
C-A	521			521			
A-B	3			3			
A-C	628			628			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	5	577	0.008	5	0.0	6.290	A
B-A	0	314	0.000	0	0.0	0.000	A
C-AB	8	505	0.016	8	0.0	7.243	A
C-A	437			437			
A-B	2			2			
A-C	526			526			

DM1 2037, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A49 Wigan Rd / Nook Ln	T-Junction	Two-way	Two-way	Two-way		0.19	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.19	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D6	DM1 2037	PM	Do-Minimum: 2037 + Committed Developments – without development	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	746	100.000
B		✓	27	100.000
C		✓	837	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	4	742
	B	5	0	22
	C	833	4	0

Vehicle Mix

Heavy Vehicle Percentages

	To			

From		A	B	C
	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.05	7.72	0.1	A
B-A	0.03	20.00	0.0	C
C-AB	0.01	8.35	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	17	563	0.029	16	0.0	6.584	A
B-A	4	286	0.013	4	0.0	12.759	B
C-AB	3	497	0.006	3	0.0	7.280	A
C-A	627			627			
A-B	3			3			
A-C	559			559			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	20	533	0.037	20	0.0	7.016	A
B-A	4	244	0.018	4	0.0	15.046	C
C-AB	4	471	0.008	4	0.0	7.696	A
C-A	749			749			
A-B	4			4			
A-C	667			667			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	24	491	0.049	24	0.1	7.715	A
B-A	6	185	0.030	5	0.0	19.996	C
C-AB	4	435	0.010	4	0.0	8.355	A
C-A	917			917			
A-B	4			4			
A-C	817			817			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	24	491	0.049	24	0.1	7.718	A
B-A	6	185	0.030	6	0.0	20.001	C
C-AB	4	435	0.010	4	0.0	8.355	A
C-A	917			917			
A-B	4			4			

A-C	817			817			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	20	533	0.037	20	0.0	7.022	A
B-A	4	244	0.018	5	0.0	15.045	C
C-AB	4	471	0.008	4	0.0	7.697	A
C-A	749			749			
A-B	4			4			
A-C	667			667			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	17	563	0.029	17	0.0	6.589	A
B-A	4	286	0.013	4	0.0	12.760	B
C-AB	3	497	0.006	3	0.0	7.283	A
C-A	627			627			
A-B	3			3			
A-C	559			559			

DM2 2037, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A49 Wigan Rd / Nook Ln	T-Junction	Two-way	Two-way	Two-way		0.10	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.10	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D7	DM2 2037	AM	Do-Minimum Sensitivity Test: 2037 + Committed and Expected Developments – without development	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	702	100.000
B		✓	6	100.000
C		✓	591	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	3	699
	B	0	0	6
	C	580	11	0

Vehicle Mix

Heavy Vehicle Percentages

	To

		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.01	7.15	0.0	A
B-A	0.00	0.00	0.0	A
C-AB	0.03	8.27	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	5	577	0.008	4	0.0	6.290	A
B-A	0	314	0.000	0	0.0	0.000	A
C-AB	8	505	0.016	8	0.0	7.240	A
C-A	437			437			
A-B	2			2			
A-C	526			526			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	5	549	0.010	5	0.0	6.624	A
B-A	0	279	0.000	0	0.0	0.000	A
C-AB	10	481	0.021	10	0.0	7.641	A
C-A	521			521			
A-B	3			3			
A-C	628			628			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	7	510	0.013	7	0.0	7.148	A
B-A	0	230	0.000	0	0.0	0.000	A
C-AB	12	447	0.027	12	0.0	8.273	A
C-A	639			639			
A-B	3			3			
A-C	770			770			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	7	510	0.013	7	0.0	7.148	A
B-A	0	230	0.000	0	0.0	0.000	A
C-AB	12	447	0.027	12	0.0	8.273	A
C-A	639			639			
A-B	3			3			

A-C	770			770			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	5	549	0.010	5	0.0	6.624	A
B-A	0	279	0.000	0	0.0	0.000	A
C-AB	10	481	0.021	10	0.0	7.645	A
C-A	521			521			
A-B	3			3			
A-C	628			628			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	5	577	0.008	5	0.0	6.290	A
B-A	0	314	0.000	0	0.0	0.000	A
C-AB	8	505	0.016	8	0.0	7.243	A
C-A	437			437			
A-B	2			2			
A-C	526			526			

DM2 2037, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A49 Wigan Rd / Nook Ln	T-Junction	Two-way	Two-way	Two-way		0.19	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.19	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D8	DM2 2037	PM	Do-Minimum Sensitivity Test: 2037 + Committed and Expected Developments – without development	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	746	100.000
B		✓	27	100.000
C		✓	837	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	4	742
	B	5	0	22
	C	833	4	0

Vehicle Mix

Heavy Vehicle Percentages

	To

		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.05	7.72	0.1	A
B-A	0.03	20.00	0.0	C
C-AB	0.01	8.35	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	17	563	0.029	16	0.0	6.584	A
B-A	4	286	0.013	4	0.0	12.759	B
C-AB	3	497	0.006	3	0.0	7.280	A
C-A	627			627			
A-B	3			3			
A-C	559			559			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	20	533	0.037	20	0.0	7.016	A
B-A	4	244	0.018	4	0.0	15.046	C
C-AB	4	471	0.008	4	0.0	7.696	A
C-A	749			749			
A-B	4			4			
A-C	667			667			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	24	491	0.049	24	0.1	7.715	A
B-A	6	185	0.030	5	0.0	19.996	C
C-AB	4	435	0.010	4	0.0	8.355	A
C-A	917			917			
A-B	4			4			
A-C	817			817			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	24	491	0.049	24	0.1	7.718	A
B-A	6	185	0.030	6	0.0	20.001	C
C-AB	4	435	0.010	4	0.0	8.355	A
C-A	917			917			
A-B	4			4			

A-C	817			817			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	20	533	0.037	20	0.0	7.022	A
B-A	4	244	0.018	5	0.0	15.045	C
C-AB	4	471	0.008	4	0.0	7.697	A
C-A	749			749			
A-B	4			4			
A-C	667			667			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	17	563	0.029	17	0.0	6.589	A
B-A	4	286	0.013	4	0.0	12.760	B
C-AB	3	497	0.006	3	0.0	7.283	A
C-A	627			627			
A-B	3			3			
A-C	559			559			

DS1 2032, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A49 Wigan Rd / Nook Ln	T-Junction	Two-way	Two-way	Two-way		0.10	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.10	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D9	DS1 2032	AM	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	671	100.000
B		✓	5	100.000
C		✓	539	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	3	668
	B	0	0	5
	C	528	11	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0

	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.01	7.00	0.0	A
B-A	0.00	0.00	0.0	A
C-AB	0.03	8.12	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	583	0.006	4	0.0	6.213	A
B-A	0	325	0.000	0	0.0	0.000	A
C-AB	8	511	0.016	8	0.0	7.160	A
C-A	398			398			
A-B	2			2			
A-C	503			503			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	556	0.008	4	0.0	6.522	A
B-A	0	292	0.000	0	0.0	0.000	A
C-AB	10	488	0.020	10	0.0	7.534	A
C-A	475			475			
A-B	3			3			
A-C	601			601			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	6	519	0.011	5	0.0	7.003	A
B-A	0	246	0.000	0	0.0	0.000	A
C-AB	12	455	0.027	12	0.0	8.121	A
C-A	581			581			
A-B	3			3			
A-C	735			735			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	6	519	0.011	6	0.0	7.003	A
B-A	0	246	0.000	0	0.0	0.000	A
C-AB	12	455	0.027	12	0.0	8.121	A
C-A	581			581			
A-B	3			3			
A-C	735			735			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	556	0.008	5	0.0	6.522	A
B-A	0	292	0.000	0	0.0	0.000	A
C-AB	10	488	0.020	10	0.0	7.535	A
C-A	475			475			
A-B	3			3			
A-C	601			601			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	583	0.006	4	0.0	6.213	A
B-A	0	325	0.000	0	0.0	0.000	A
C-AB	8	511	0.016	8	0.0	7.163	A
C-A	398			398			
A-B	2			2			
A-C	503			503			

DS1 2032, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A49 Wigan Rd / Nook Ln	T-Junction	Two-way	Two-way	Two-way		0.18	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.18	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D10	DS1 2032	PM	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	677	100.000
B		✓	26	100.000
C		✓	794	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	3	674
	B	5	0	21
	C	790	4	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0

	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.05	7.38	0.0	A
B-A	0.03	17.63	0.0	C
C-AB	0.01	8.02	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	16	577	0.027	16	0.0	6.416	A
B-A	4	303	0.012	4	0.0	12.038	B
C-AB	3	510	0.006	3	0.0	7.102	A
C-A	595			595			
A-B	2			2			
A-C	507			507			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	19	549	0.034	19	0.0	6.787	A
B-A	4	264	0.017	4	0.0	13.886	B
C-AB	4	486	0.007	4	0.0	7.459	A
C-A	710			710			
A-B	3			3			
A-C	606			606			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	23	511	0.045	23	0.0	7.376	A
B-A	6	210	0.026	5	0.0	17.628	C
C-AB	4	453	0.010	4	0.0	8.016	A
C-A	870			870			
A-B	3			3			
A-C	742			742			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	23	511	0.045	23	0.0	7.377	A
B-A	6	210	0.026	6	0.0	17.627	C
C-AB	4	453	0.010	4	0.0	8.016	A
C-A	870			870			
A-B	3			3			
A-C	742			742			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	19	549	0.034	19	0.0	6.792	A
B-A	4	264	0.017	5	0.0	13.888	B
C-AB	4	486	0.007	4	0.0	7.462	A
C-A	710			710			
A-B	3			3			
A-C	606			606			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	16	576	0.027	16	0.0	6.423	A
B-A	4	303	0.012	4	0.0	12.037	B
C-AB	3	510	0.006	3	0.0	7.102	A
C-A	595			595			
A-B	2			2			
A-C	507			507			

DS2 2032, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A49 Wigan Rd / Nook Ln	T-Junction	Two-way	Two-way	Two-way		0.10	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.10	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D11	DS2 2032	AM	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	671	100.000
B		✓	5	100.000
C		✓	539	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	3	668
	B	0	0	5
	C	528	11	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0

	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.01	7.00	0.0	A
B-A	0.00	0.00	0.0	A
C-AB	0.03	8.12	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	583	0.006	4	0.0	6.213	A
B-A	0	325	0.000	0	0.0	0.000	A
C-AB	8	511	0.016	8	0.0	7.160	A
C-A	398			398			
A-B	2			2			
A-C	503			503			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	556	0.008	4	0.0	6.522	A
B-A	0	292	0.000	0	0.0	0.000	A
C-AB	10	488	0.020	10	0.0	7.534	A
C-A	475			475			
A-B	3			3			
A-C	601			601			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	6	519	0.011	5	0.0	7.003	A
B-A	0	246	0.000	0	0.0	0.000	A
C-AB	12	455	0.027	12	0.0	8.121	A
C-A	581			581			
A-B	3			3			
A-C	735			735			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	6	519	0.011	6	0.0	7.003	A
B-A	0	246	0.000	0	0.0	0.000	A
C-AB	12	455	0.027	12	0.0	8.121	A
C-A	581			581			
A-B	3			3			
A-C	735			735			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	556	0.008	5	0.0	6.522	A
B-A	0	292	0.000	0	0.0	0.000	A
C-AB	10	488	0.020	10	0.0	7.535	A
C-A	475			475			
A-B	3			3			
A-C	601			601			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	583	0.006	4	0.0	6.213	A
B-A	0	325	0.000	0	0.0	0.000	A
C-AB	8	511	0.016	8	0.0	7.163	A
C-A	398			398			
A-B	2			2			
A-C	503			503			

DS2 2032 , PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A49 Wigan Rd / Nook Ln	T-Junction	Two-way	Two-way	Two-way		0.18	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.18	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D12	DS2 2032	PM	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	677	100.000
B		✓	26	100.000
C		✓	794	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	3	674
	B	5	0	21
	C	790	4	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0

	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.05	7.38	0.0	A
B-A	0.03	17.63	0.0	C
C-AB	0.01	8.02	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	16	577	0.027	16	0.0	6.416	A
B-A	4	303	0.012	4	0.0	12.038	B
C-AB	3	510	0.006	3	0.0	7.102	A
C-A	595			595			
A-B	2			2			
A-C	507			507			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	19	549	0.034	19	0.0	6.787	A
B-A	4	264	0.017	4	0.0	13.886	B
C-AB	4	486	0.007	4	0.0	7.459	A
C-A	710			710			
A-B	3			3			
A-C	606			606			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	23	511	0.045	23	0.0	7.376	A
B-A	6	210	0.026	5	0.0	17.628	C
C-AB	4	453	0.010	4	0.0	8.016	A
C-A	870			870			
A-B	3			3			
A-C	742			742			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	23	511	0.045	23	0.0	7.377	A
B-A	6	210	0.026	6	0.0	17.627	C
C-AB	4	453	0.010	4	0.0	8.016	A
C-A	870			870			
A-B	3			3			
A-C	742			742			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	19	549	0.034	19	0.0	6.792	A
B-A	4	264	0.017	5	0.0	13.888	B
C-AB	4	486	0.007	4	0.0	7.462	A
C-A	710			710			
A-B	3			3			
A-C	606			606			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	16	576	0.027	16	0.0	6.423	A
B-A	4	303	0.012	4	0.0	12.037	B
C-AB	3	510	0.006	3	0.0	7.102	A
C-A	595			595			
A-B	2			2			
A-C	507			507			

DS1 2037 , AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A49 Wigan Rd / Nook Ln	T-Junction	Two-way	Two-way	Two-way		0.11	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.11	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D13	DS1 2037	AM	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	690	100.000
B		✓	6	100.000
C		✓	554	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	3	687
	B	0	0	6
	C	543	11	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0

	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.01	7.10	0.0	A
B-A	0.00	0.00	0.0	A
C-AB	0.03	8.21	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	5	579	0.008	4	0.0	6.263	A
B-A	0	320	0.000	0	0.0	0.000	A
C-AB	8	508	0.016	8	0.0	7.209	A
C-A	409			409			
A-B	2			2			
A-C	517			517			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	5	552	0.010	5	0.0	6.588	A
B-A	0	286	0.000	0	0.0	0.000	A
C-AB	10	484	0.020	10	0.0	7.599	A
C-A	488			488			
A-B	3			3			
A-C	618			618			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	7	514	0.013	7	0.0	7.097	A
B-A	0	239	0.000	0	0.0	0.000	A
C-AB	12	450	0.027	12	0.0	8.214	A
C-A	598			598			
A-B	3			3			
A-C	756			756			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	7	514	0.013	7	0.0	7.097	A
B-A	0	239	0.000	0	0.0	0.000	A
C-AB	12	450	0.027	12	0.0	8.214	A
C-A	598			598			
A-B	3			3			
A-C	756			756			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	5	552	0.010	5	0.0	6.591	A
B-A	0	286	0.000	0	0.0	0.000	A
C-AB	10	484	0.020	10	0.0	7.600	A
C-A	488			488			
A-B	3			3			
A-C	618			618			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	5	579	0.008	5	0.0	6.266	A
B-A	0	320	0.000	0	0.0	0.000	A
C-AB	8	508	0.016	8	0.0	7.212	A
C-A	409			409			
A-B	2			2			
A-C	517			517			

DS1 2037, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A49 Wigan Rd / Nook Ln	T-Junction	Two-way	Two-way	Two-way		0.19	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.19	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D14	DS1 2037	PM	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	696	100.000
B		✓	27	100.000
C		✓	815	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	4	692
	B	5	0	22
	C	811	4	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0

	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.05	7.47	0.1	A
B-A	0.03	18.38	0.0	C
C-AB	0.01	8.11	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	17	573	0.029	16	0.0	6.463	A
B-A	4	297	0.013	4	0.0	12.285	B
C-AB	3	506	0.006	3	0.0	7.150	A
C-A	611			611			
A-B	3			3			
A-C	521			521			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	20	545	0.036	20	0.0	6.852	A
B-A	4	257	0.018	4	0.0	14.271	B
C-AB	4	482	0.007	4	0.0	7.523	A
C-A	729			729			
A-B	4			4			
A-C	622			622			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	24	506	0.048	24	0.0	7.473	A
B-A	6	201	0.027	5	0.0	18.372	C
C-AB	4	448	0.010	4	0.0	8.107	A
C-A	893			893			
A-B	4			4			
A-C	762			762			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	24	506	0.048	24	0.1	7.474	A
B-A	6	201	0.027	6	0.0	18.376	C
C-AB	4	448	0.010	4	0.0	8.107	A
C-A	893			893			
A-B	4			4			
A-C	762			762			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	20	545	0.036	20	0.0	6.858	A
B-A	4	257	0.018	5	0.0	14.270	B
C-AB	4	482	0.007	4	0.0	7.526	A
C-A	729			729			
A-B	4			4			
A-C	622			622			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	17	573	0.029	17	0.0	6.468	A
B-A	4	297	0.013	4	0.0	12.284	B
C-AB	3	506	0.006	3	0.0	7.150	A
C-A	611			611			
A-B	3			3			
A-C	521			521			

DS2 2037 , AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A49 Wigan Rd / Nook Ln	T-Junction	Two-way	Two-way	Two-way		0.11	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.11	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D15	DS2 2037	AM	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	690	100.000
B		✓	6	100.000
C		✓	554	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	3	687
	B	0	0	6
	C	543	11	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0

	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.01	7.10	0.0	A
B-A	0.00	0.00	0.0	A
C-AB	0.03	8.21	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	5	579	0.008	4	0.0	6.263	A
B-A	0	320	0.000	0	0.0	0.000	A
C-AB	8	508	0.016	8	0.0	7.209	A
C-A	409			409			
A-B	2			2			
A-C	517			517			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	5	552	0.010	5	0.0	6.588	A
B-A	0	286	0.000	0	0.0	0.000	A
C-AB	10	484	0.020	10	0.0	7.599	A
C-A	488			488			
A-B	3			3			
A-C	618			618			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	7	514	0.013	7	0.0	7.097	A
B-A	0	239	0.000	0	0.0	0.000	A
C-AB	12	450	0.027	12	0.0	8.214	A
C-A	598			598			
A-B	3			3			
A-C	756			756			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	7	514	0.013	7	0.0	7.097	A
B-A	0	239	0.000	0	0.0	0.000	A
C-AB	12	450	0.027	12	0.0	8.214	A
C-A	598			598			
A-B	3			3			
A-C	756			756			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	5	552	0.010	5	0.0	6.591	A
B-A	0	286	0.000	0	0.0	0.000	A
C-AB	10	484	0.020	10	0.0	7.600	A
C-A	488			488			
A-B	3			3			
A-C	618			618			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	5	579	0.008	5	0.0	6.266	A
B-A	0	320	0.000	0	0.0	0.000	A
C-AB	8	508	0.016	8	0.0	7.212	A
C-A	409			409			
A-B	2			2			
A-C	517			517			

DS2 2037 , PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A49 Wigan Rd / Nook Ln	T-Junction	Two-way	Two-way	Two-way		0.19	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.19	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D16	DS2 2037	PM	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	696	100.000
B		✓	27	100.000
C		✓	815	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	4	692
	B	5	0	22
	C	811	4	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0

	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.05	7.47	0.1	A
B-A	0.03	18.38	0.0	C
C-AB	0.01	8.11	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	17	573	0.029	16	0.0	6.463	A
B-A	4	297	0.013	4	0.0	12.285	B
C-AB	3	506	0.006	3	0.0	7.150	A
C-A	611			611			
A-B	3			3			
A-C	521			521			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	20	545	0.036	20	0.0	6.852	A
B-A	4	257	0.018	4	0.0	14.271	B
C-AB	4	482	0.007	4	0.0	7.523	A
C-A	729			729			
A-B	4			4			
A-C	622			622			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	24	506	0.048	24	0.0	7.473	A
B-A	6	201	0.027	5	0.0	18.372	C
C-AB	4	448	0.010	4	0.0	8.107	A
C-A	893			893			
A-B	4			4			
A-C	762			762			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	24	506	0.048	24	0.1	7.474	A
B-A	6	201	0.027	6	0.0	18.376	C
C-AB	4	448	0.010	4	0.0	8.107	A
C-A	893			893			
A-B	4			4			
A-C	762			762			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	20	545	0.036	20	0.0	6.858	A
B-A	4	257	0.018	5	0.0	14.270	B
C-AB	4	482	0.007	4	0.0	7.526	A
C-A	729			729			
A-B	4			4			
A-C	622			622			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	17	573	0.029	17	0.0	6.468	A
B-A	4	297	0.013	4	0.0	12.284	B
C-AB	3	506	0.006	3	0.0	7.150	A
C-A	611			611			
A-B	3			3			
A-C	521			521			

Junctions 10

PICADY 10 - Priority Intersection Module

Version: 10.0.1.1519

For sales and distribution information, program advice and maintenance, contact TRL Software:
+44 (0)1344 379777 software@trl.co.uk trlsoftware.com

Filename: J12 Todd Lane South A582 Lostock Ln Old School.j10
Path: \\uk.wspgroup.com\Central Data\Projects\70084xxx\70084465 - Lancashire Central, Cuerden\03 WIP\Junction Modelling\Junctions10
Report generation date: 31/05/2022 16:10:27

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	DM1 2032									
Junction 1 - Stream B-AC	D1	31.9	456.72	1.31	F	D2	0.5	20.39	0.34	C
Junction 1 - Stream C-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Junction 2 - Stream B-C		0.0	0.00	0.00	A		0.1	30.41	0.08	D
Junction 2 - Stream B-A		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Junction 2 - Stream C-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A
	DM2 2032									
Junction 1 - Stream B-AC	D3	35.1	505.76	1.36	F	D4	0.5	20.35	0.34	C
Junction 1 - Stream C-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Junction 2 - Stream B-C		0.0	0.00	0.00	A		0.1	36.71	0.09	E
Junction 2 - Stream B-A		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Junction 2 - Stream C-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A
	DM1 2037									
Junction 1 - Stream B-AC	D5	42.7	607.63	1.47	F	D6	0.6	22.37	0.37	C
Junction 1 - Stream C-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Junction 2 - Stream B-C		0.0	0.00	0.00	A		0.1	33.24	0.08	D
Junction 2 - Stream B-A		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Junction 2 - Stream C-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A
	DM2 2037									
Junction 1 - Stream B-AC		46.0	662.82	1.53	F		0.6	22.32	0.37	C
Junction 1 - Stream C-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A

Junction 2 - Stream B-C	D7	0.0	0.00	0.00	A	D8	0.1	40.92	0.10	E
Junction 2 - Stream B-A		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Junction 2 - Stream C-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A
	DS1 2032									
Junction 1 - Stream B-AC	D9	29.7	424.20	1.27	F	D10	0.5	19.95	0.33	C
Junction 1 - Stream C-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Junction 2 - Stream B-C		0.0	0.00	0.00	A		0.1	28.93	0.07	D
Junction 2 - Stream B-A		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Junction 2 - Stream C-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A
	DS2 2032									
Junction 1 - Stream B-AC	D11	32.9	471.43	1.32	F	D12	0.5	19.91	0.33	C
Junction 1 - Stream C-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Junction 2 - Stream B-C		0.0	0.00	0.00	A		0.1	34.34	0.09	D
Junction 2 - Stream B-A		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Junction 2 - Stream C-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A
	DS1 2037									
Junction 1 - Stream B-AC	D13	40.4	572.10	1.43	F	D14	0.6	21.83	0.36	C
Junction 1 - Stream C-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Junction 2 - Stream B-C		0.0	0.00	0.00	A		0.1	31.52	0.08	D
Junction 2 - Stream B-A		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Junction 2 - Stream C-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A
	DS2 2037									
Junction 1 - Stream B-AC	D15	43.8	625.78	1.49	F	D16	0.6	21.78	0.36	C
Junction 1 - Stream C-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Junction 2 - Stream B-C		0.0	0.00	0.00	A		0.1	38.35	0.10	E
Junction 2 - Stream B-A		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Junction 2 - Stream C-AB		0.0	0.00	0.00	A		0.0	0.00	0.00	A

There are warnings associated with one or more model runs - see the 'Data Errors and Warnings' tables for each Analysis or Demand Set.

Values shown are the highest values encountered over all time segments. Delay is the maximum value of average delay per arriving vehicle.

File summary

File Description

Title	Junction 12 North and South
Location	Cuerden
Site number	12 N & S
Date	07/02/2022
Version	
Status	(new file)
Identifier	
Client	LCC and Maple Grove
Jobnumber	70084465
Enumerator	CORP\UKMXS097
Description	

Units

Distance units	Speed units	Traffic units input	Traffic units results	Flow units	Average delay units	Total delay units	Rate of delay units
m	kph	PCU	PCU	perHour	s	-Min	perMin

Analysis Options

Calculate Queue Percentiles	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
		0.85	36.00	20.00

Demand Set Summary

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D1	DM1 2032	AM	Do-Minimum: 2032 + Committed	ONE	07:15	08:45	15

			Developments – without development	HOUR			
D2	DM1 2032	PM	Do-Minimum: 2032 + Committed Developments – without development	ONE HOUR	16:15	17:45	15
D3	DM2 2032	AM	: Do-Minimum Sensitivity Test: 2032 + Committed and Expected Developments – without development	ONE HOUR	07:15	08:45	15
D4	DM2 2032	PM	: Do-Minimum Sensitivity Test: 2032 + Committed and Expected Developments – without development	ONE HOUR	16:15	17:45	15
D5	DM1 2037	AM	Do-Minimum: 2037 + Committed Developments – without development	ONE HOUR	07:15	08:45	15
D6	DM1 2037	PM	Do-Minimum: 2037 + Committed Developments – without development	ONE HOUR	16:15	17:45	15
D7	DM2 2037	AM	Do-Minimum Sensitivity Test: 2037 + Committed and Expected Developments – without development	ONE HOUR	07:15	08:45	15
D8	DM2 2037	PM	Do-Minimum Sensitivity Test: 2037 + Committed and Expected Developments – without development	ONE HOUR	16:15	17:45	15
D9	DS1 2032	AM		ONE HOUR	07:15	08:45	15
D10	DS1 2032	PM		ONE HOUR	16:15	17:45	15
D11	DS2 2032	AM		ONE HOUR	07:15	08:45	15
D12	DS2 2032	PM		ONE HOUR	16:15	17:45	15
D13	DS1 2037	AM		ONE HOUR	07:15	08:45	15
D14	DS1 2037	PM		ONE HOUR	16:15	17:45	15
D15	DS2 2037	AM		ONE HOUR	07:15	08:45	15
D16	DS2 2037	PM		ONE HOUR	16:15	17:45	15

Analysis Set Details

ID	Network flow scaling factor (%)
A1	100.000

DM1 2032, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Junction 2 - Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.
Warning	Vehicle Mix	Junction 2	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A582 Lostock Ln/ Todd Ln S	T-Junction	Entry Only	Two-way	Exit Only		31.27	D
2	A582 Lostock Ln / Old School Ln	T-Junction	Entry Only	Two-way	Exit Only		0.00	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	17.38	C

Arms

Arms

Junction	Arm	Name	Description	Arm type
1	A	A582 Lostock West		Major
	B	Todd Ln		Minor
	C	A582 Lostock East		Major
2	A	A582 Lostock East		Major
	B	Old School Ln		Minor
	C	A582 Lostock West		Major

Major Arm Geometry

Junction	Arm	Width of carriageway (m)	Has kerbed central reserve	Has right-turn storage	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
1	C	7.50				✓	
2	C	8.00				✓	

Geometries for Arm C are measured opposite Arm B. Geometries for Arm A (if relevant) are measured opposite Arm D.

Minor Arm Geometry

Junction	Arm	Minor arm type	Lane width (m)	Width at give-way (m)	Width at 5m (m)	Width at 10m (m)	Width at 15m (m)	Width at 20m (m)	Estimate flare length	Flare length (PCU)	Visibility to left (m)	Visibility to right (m)
1	B	One lane	3.80								25	80
2	B	One lane plus flare		7.20	3.50	2.20	2.20	2.20		1.00	22	110

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
1	B-A	567	0.097	0.244	0.154	0.349
	B-C	728	0.068	0.172	-	-
	C-B	574	0.172	0.172	-	-

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
2	B-A	525	0.087	0.220	0.139	0.315
	B-C	735	0.064	0.161	-	-
	C-B	574	0.164	0.164	-	-

The slopes and intercepts shown above include custom intercept adjustments only.
Streams may be combined, in which case capacity will be adjusted.
Values are shown for the first time segment only; they may differ for subsequent time segments.

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D1	DM1 2032	AM	Do-Minimum: 2032 + Committed Developments – without development	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	A		✓	2952	100.000
	B		✓	217	100.000
	C		✓	0	100.000
2	A		✓	2533	100.000
	B		✓	0	100.000
	C		✓	0	100.000

Origin-Destination Data

Junction 1

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	109	2843
	B	0	0	217
	C	0	0	0

Junction 2

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	1	2532
	B	0	0	0
	C	0	0	0

Vehicle Mix

Junction 1

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Junction 2

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Junction	Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	B-AC	1.31	456.72	31.9	F
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				
2	B-C	0.00	0.00	0.0	A
	B-A	0.00	0.00	0.0	A
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				

Main Results for each time segment

07:15 - 07:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	163	355	0.460	160	0.8	18.162	C
	C-AB	0	193	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	82			82			
	A-C	2140			2140			
2	B-C	0	428	0.000	0	0.0	0.000	A
	B-A	0	104	0.000	0	0.0	0.000	A
	C-AB	0	261	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.75			0.75			
	A-C	1906			1906			

07:30 - 07:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	195	283	0.690	190	2.0	37.262	E
	C-AB	0	119	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	98			98			
	A-C	2556			2556			

2	B-C	0	369	0.000	0	0.0	0.000	A
	B-A	0	23	0.000	0	0.0	0.000	A
	C-AB	0	200	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.90			0.90			
	A-C	2276			2276			

07:45 - 08:00

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	239	183	1.308	176	17.6	234.698	F
	C-AB	0	16	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	120			120			
	A-C	3130			3130			
2	B-C	0	215	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	116	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	1			1			
	A-C	2788			2788			

08:00 - 08:15

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	239	183	1.308	182	31.9	456.717	F
	C-AB	0	16	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	120			120			
	A-C	3130			3130			
2	B-C	0	215	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	116	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	1			1			
	A-C	2788			2788			

08:15 - 08:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	195	283	0.690	274	12.1	293.843	F
	C-AB	0	119	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	98			98			
	A-C	2556			2556			
2	B-C	0	369	0.000	0	0.0	0.000	A
	B-A	0	23	0.000	0	0.0	0.000	A
	C-AB	0	200	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.90			0.90			
	A-C	2276			2276			

08:30 - 08:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	163	355	0.460	208	0.9	32.077	D
	C-AB	0	193	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	82			82			
	A-C	2140			2140			
	B-C	0	428	0.000	0	0.0	0.000	A
	B-A	0	104	0.000	0	0.0	0.000	A
	C-AB	0	261	0.000	0	0.0	0.000	A

2	**C-A**	0			0			
	A-B	0.75			0.75			
	A-C	1906			1906			

DM1 2032, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Junction 2 - Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.
Warning	Vehicle Mix	Junction 2	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A582 Lostock Ln/ Todd Ln S	T-Junction	Entry Only	Two-way	Exit Only		0.64	A
2	A582 Lostock Ln / Old School Ln	T-Junction	Entry Only	Two-way	Exit Only		0.09	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.34	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D2	DM1 2032	PM	Do-Minimum: 2032 + Committed Developments – without development	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	A		✓	2523	100.000
	B		✓	82	100.000
	C		✓	0	100.000
2	A		✓	3133	100.000
	B		✓	9	100.000
	C		✓	0	100.000

Origin-Destination Data

Demand (PCU/hr)

Junction 1

		To		
		A	B	C
From	A	0	134	2389

	B	0	0	82
	C	0	0	0

Demand (PCU/hr)

Junction 2

		To		
		A	B	C
From	A	0	9	3124
	B	0	0	9
	C	0	0	0

Vehicle Mix

Heavy Vehicle Percentages

Junction 1

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Heavy Vehicle Percentages

Junction 2

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Junction	Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	B-AC	0.34	20.39	0.5	C
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				
2	B-C	0.08	30.41	0.1	D
	B-A	0.00	0.00	0.0	A
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				

Main Results for each time segment

16:15 - 16:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	62	413	0.150	61	0.2	10.223	B
	C-AB	0	248	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	101			101			
	A-C	1799			1799			

2	B-C	7	337	0.020	7	0.0	10.910	B
	B-A	0	5	0.000	0	0.0	0.000	A
	C-AB	0	186	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	7			7			
	A-C	2352			2352			

16:30 - 16:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	74	351	0.210	73	0.3	12.931	B
	C-AB	0	185	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	120			120			
	A-C	2148			2148			
2	B-C	8	200	0.040	8	0.0	18.711	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	111	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	8			8			
	A-C	2808			2808			

16:45 - 17:00

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	90	267	0.339	89	0.5	20.198	C
	C-AB	0	97	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	148			148			
	A-C	2630			2630			
2	B-C	10	128	0.077	10	0.1	30.331	D
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	7	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	10			10			
	A-C	3440			3440			

17:00 - 17:15

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	90	267	0.339	90	0.5	20.395	C
	C-AB	0	97	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	148			148			
	A-C	2630			2630			
2	B-C	10	128	0.077	10	0.1	30.409	D
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	7	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	10			10			
	A-C	3440			3440			

17:15 - 17:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	74	351	0.210	75	0.3	13.053	B
	C-AB	0	185	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	120			120			
	A-C	2148			2148			
	B-C	8	200	0.040	8	0.0	18.755	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	111	0.000	0	0.0	0.000	A

2	C-A	0			0			
	A-B	8			8			
	A-C	2808			2808			

17:30 - 17:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	62	413	0.150	62	0.2	10.281	B
	C-AB	0	248	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	101			101			
	A-C	1799			1799			
2	B-C	7	337	0.020	7	0.0	10.922	B
	B-A	0	5	0.000	0	0.0	0.000	A
	C-AB	0	186	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	7			7			
	A-C	2352			2352			

DM2 2032, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Junction 2 - Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.
Warning	Vehicle Mix	Junction 2	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A582 Lostock Ln/ Todd Ln S	T-Junction	Entry Only	Two-way	Exit Only		34.24	D
2	A582 Lostock Ln / Old School Ln	T-Junction	Entry Only	Two-way	Exit Only		0.00	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	18.49	C

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D3	DM2 2032	AM	: Do-Minimum Sensitivity Test: 2032 + Committed and Expected Developments – without development	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	A		✓	2988	100.000
	B		✓	217	100.000
	C		✓	0	100.000
2	A		✓	2732	100.000
	B		✓	0	100.000
	C		✓	0	100.000

Origin-Destination Data

Demand (PCU/hr)

Junction 1

	To		
	A	B	C
A	0	109	2879

From	B	0	0	217
	C	0	0	0

Demand (PCU/hr)

Junction 2

		To		
		A	B	C
From	A	0	1	2731
	B	0	0	0
	C	0	0	0

Vehicle Mix

Heavy Vehicle Percentages

Junction 1

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Heavy Vehicle Percentages

Junction 2

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Junction	Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	B-AC	1.36	505.76	35.1	F
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				
2	B-C	0.00	0.00	0.0	A
	B-A	0.00	0.00	0.0	A
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				

Main Results for each time segment

07:15 - 07:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	163	351	0.466	160	0.8	18.585	C
	C-AB	0	188	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	82			82			
	A-C	2167			2167			

2	B-C	0	404	0.000	0	0.0	0.000	A
	B-A	0	71	0.000	0	0.0	0.000	A
	C-AB	0	236	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.75			0.75			
	A-C	2056			2056			

07:30 - 07:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	195	277	0.704	190	2.1	39.268	E
	C-AB	0	113	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	98			98			
	A-C	2588			2588			
2	B-C	0	255	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	170	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.90			0.90			
	A-C	2455			2455			

07:45 - 08:00

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	239	176	1.358	171	19.2	259.627	F
	C-AB	0	9	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	120			120			
	A-C	3170			3170			
2	B-C	0	188	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	80	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	1			1			
	A-C	3007			3007			

08:00 - 08:15

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	239	176	1.358	175	35.1	505.763	F
	C-AB	0	9	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	120			120			
	A-C	3170			3170			
2	B-C	0	188	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	80	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	1			1			
	A-C	3007			3007			

08:15 - 08:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	195	277	0.704	270	16.5	343.741	F
	C-AB	0	113	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	98			98			
	A-C	2588			2588			
	B-C	0	255	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	170	0.000	0	0.0	0.000	A

2	C-A	0			0			
	A-B	0.90			0.90			
	A-C	2455			2455			

08:30 - 08:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	163	351	0.466	226	0.9	44.071	E
	C-AB	0	188	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	82			82			
	A-C	2167			2167			
2	B-C	0	404	0.000	0	0.0	0.000	A
	B-A	0	71	0.000	0	0.0	0.000	A
	C-AB	0	236	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.75			0.75			
	A-C	2056			2056			

DM2 2032, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Junction 2 - Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.
Warning	Vehicle Mix	Junction 2	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A582 Lostock Ln/ Todd Ln S	T-Junction	Entry Only	Two-way	Exit Only		0.64	A
2	A582 Lostock Ln / Old School Ln	T-Junction	Entry Only	Two-way	Exit Only		0.10	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.34	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D4	DM2 2032	PM	: Do-Minimum Sensitivity Test: 2032 + Committed and Expected Developments – without development	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	A		✓	2521	100.000
	B		✓	82	100.000
	C		✓	0	100.000
2	A		✓	3295	100.000
	B		✓	9	100.000
	C		✓	0	100.000

Origin-Destination Data

Demand (PCU/hr)

Junction 1

	To			
		A	B	C
	A	0	134	2387

From	B	0	0	82
	C	0	0	0

Demand (PCU/hr)

Junction 2

		To		
		A	B	C
From	A	0	9	3286
	B	0	0	9
	C	0	0	0

Vehicle Mix

Heavy Vehicle Percentages

Junction 1

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Heavy Vehicle Percentages

Junction 2

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Junction	Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	B-AC	0.34	20.35	0.5	C
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				
2	B-C	0.09	36.71	0.1	E
	B-A	0.00	0.00	0.0	A
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				

Main Results for each time segment

16:15 - 16:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	62	413	0.150	61	0.2	10.212	B
	C-AB	0	248	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	101			101			
	A-C	1797			1797			

2	B-C	7	239	0.028	7	0.0	15.519	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	166	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	7			7			
	A-C	2474			2474			

16:30 - 16:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	74	352	0.210	73	0.3	12.917	B
	C-AB	0	185	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	120			120			
	A-C	2146			2146			
2	B-C	8	184	0.044	8	0.0	20.482	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	87	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	8			8			
	A-C	2954			2954			

16:45 - 17:00

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	90	267	0.338	89	0.5	20.152	C
	C-AB	0	98	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	148			148			
	A-C	2628			2628			
2	B-C	10	108	0.092	10	0.1	36.569	E
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	0	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	10			10			
	A-C	3618			3618			

17:00 - 17:15

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	90	267	0.338	90	0.5	20.351	C
	C-AB	0	98	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	148			148			
	A-C	2628			2628			
2	B-C	10	108	0.092	10	0.1	36.710	E
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	0	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	10			10			
	A-C	3618			3618			

17:15 - 17:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	74	352	0.210	75	0.3	13.038	B
	C-AB	0	185	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	120			120			
	A-C	2146			2146			
	B-C	8	184	0.044	8	0.0	20.543	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	87	0.000	0	0.0	0.000	A

2	C-A	0			0			
	A-B	8			8			
	A-C	2954			2954			

17:30 - 17:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	62	413	0.150	62	0.2	10.272	B
	C-AB	0	248	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	101			101			
	A-C	1797			1797			
2	B-C	7	239	0.028	7	0.0	15.542	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	166	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	7			7			
	A-C	2474			2474			

DM1 2037, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Junction 2 - Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.
Warning	Vehicle Mix	Junction 2	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A582 Lostock Ln/ Todd Ln S	T-Junction	Entry Only	Two-way	Exit Only		41.83	E
2	A582 Lostock Ln / Old School Ln	T-Junction	Entry Only	Two-way	Exit Only		0.00	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	23.22	C

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D5	DM1 2037	AM	Do-Minimum: 2037 + Committed Developments – without development	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	A		✓	3030	100.000
	B		✓	224	100.000
	C		✓	0	100.000
2	A		✓	2607	100.000
	B		✓	0	100.000
	C		✓	0	100.000

Origin-Destination Data

Demand (PCU/hr)

Junction 1

		To		
		A	B	C
From	A	0	112	2918

	B	0	0	224
	C	0	0	0

Demand (PCU/hr)

Junction 2

		To		
		A	B	C
From	A	0	1	2606
	B	0	0	0
	C	0	0	0

Vehicle Mix

Heavy Vehicle Percentages

Junction 1

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Heavy Vehicle Percentages

Junction 2

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Junction	Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	B-AC	1.47	607.63	42.7	F
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				
2	B-C	0.00	0.00	0.0	A
	B-A	0.00	0.00	0.0	A
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				

Main Results for each time segment

07:15 - 07:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	169	345	0.488	165	0.9	19.595	C
	C-AB	0	183	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	84			84			
	A-C	2197			2197			

2	B-C	0	419	0.000	0	0.0	0.000	A
	B-A	0	92	0.000	0	0.0	0.000	A
	C-AB	0	251	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.75			0.75			
	A-C	1962			1962			

07:30 - 07:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	201	271	0.743	195	2.4	44.378	E
	C-AB	0	107	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	101			101			
	A-C	2623			2623			
2	B-C	0	358	0.000	0	0.0	0.000	A
	B-A	0	8	0.000	0	0.0	0.000	A
	C-AB	0	189	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.90			0.90			
	A-C	2343			2343			

07:45 - 08:00

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	247	168	1.465	165	23.0	313.505	F
	C-AB	0	2	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	123			123			
	A-C	3213			3213			
2	B-C	0	205	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	102	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	1			1			
	A-C	2869			2869			

08:00 - 08:15

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	247	168	1.465	168	42.7	607.628	F
	C-AB	0	2	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	123			123			
	A-C	3213			3213			
2	B-C	0	205	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	102	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	1			1			
	A-C	2869			2869			

08:15 - 08:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	201	271	0.743	265	26.8	455.444	F
	C-AB	0	107	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	101			101			
	A-C	2623			2623			
	B-C	0	358	0.000	0	0.0	0.000	A
	B-A	0	8	0.000	0	0.0	0.000	A
	C-AB	0	189	0.000	0	0.0	0.000	A

2	C-A	0			0			
	A-B	0.90			0.90			
	A-C	2343			2343			

08:30 - 08:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	169	345	0.488	272	1.0	104.259	F
	C-AB	0	183	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	84			84			
	A-C	2197			2197			
2	B-C	0	419	0.000	0	0.0	0.000	A
	B-A	0	92	0.000	0	0.0	0.000	A
	C-AB	0	251	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.75			0.75			
	A-C	1962			1962			

DM1 2037, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Junction 2 - Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.
Warning	Vehicle Mix	Junction 2	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A582 Lostock Ln/ Todd Ln S	T-Junction	Entry Only	Two-way	Exit Only		0.71	A
2	A582 Lostock Ln / Old School Ln	T-Junction	Entry Only	Two-way	Exit Only		0.09	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.37	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D6	DM1 2037	PM	Do-Minimum: 2037 + Committed Developments – without development	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	A		✓	2590	100.000
	B		✓	85	100.000
	C		✓	0	100.000
2	A		✓	3214	100.000
	B		✓	9	100.000
	C		✓	0	100.000

Origin-Destination Data

Demand (PCU/hr)

Junction 1

		To		
		A	B	C
From	A	0	137	2453

	B	0	0	85
	C	0	0	0

Demand (PCU/hr)

Junction 2

		To		
		A	B	C
From	A	0	10	3204
	B	0	0	9
	C	0	0	0

Vehicle Mix

Heavy Vehicle Percentages

Junction 1

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Heavy Vehicle Percentages

Junction 2

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Junction	Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	B-AC	0.37	22.37	0.6	C
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				
2	B-C	0.08	33.24	0.1	D
	B-A	0.00	0.00	0.0	A
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				

Main Results for each time segment

16:15 - 16:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	64	404	0.158	63	0.2	10.538	B
	C-AB	0	239	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	103			103			
	A-C	1847			1847			

2	B-C	7	246	0.028	7	0.0	15.064	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	176	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	8			8			
	A-C	2412			2412			

16:30 - 16:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	76	341	0.224	76	0.3	13.549	B
	C-AB	0	174	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	123			123			
	A-C	2205			2205			
2	B-C	8	192	0.042	8	0.0	19.553	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	99	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	9			9			
	A-C	2880			2880			

16:45 - 17:00

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	94	254	0.368	92	0.6	22.088	C
	C-AB	0	85	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	151			151			
	A-C	2701			2701			
2	B-C	10	118	0.084	10	0.1	33.140	D
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	0	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	11			11			
	A-C	3528			3528			

17:00 - 17:15

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	94	254	0.368	94	0.6	22.374	C
	C-AB	0	85	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	151			151			
	A-C	2701			2701			
2	B-C	10	118	0.084	10	0.1	33.240	D
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	0	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	11			11			
	A-C	3528			3528			

17:15 - 17:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	76	341	0.224	78	0.3	13.704	B
	C-AB	0	174	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	123			123			
	A-C	2205			2205			
	B-C	8	192	0.042	8	0.0	19.603	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	99	0.000	0	0.0	0.000	A

2	C-A	0			0			
	A-B	9			9			
	A-C	2880			2880			

17:30 - 17:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	64	404	0.158	64	0.2	10.608	B
	C-AB	0	239	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	103			103			
	A-C	1847			1847			
2	B-C	7	246	0.028	7	0.0	15.084	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	176	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	8			8			
	A-C	2412			2412			

DM2 2037, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Junction 2 - Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.
Warning	Vehicle Mix	Junction 2	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A582 Lostock Ln/ Todd Ln S	T-Junction	Entry Only	Two-way	Exit Only		45.13	E
2	A582 Lostock Ln / Old School Ln	T-Junction	Entry Only	Two-way	Exit Only		0.00	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	24.36	C

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D7	DM2 2037	AM	Do-Minimum Sensitivity Test: 2037 + Committed and Expected Developments – without development	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	A		✓	3066	100.000
	B		✓	224	100.000
	C		✓	0	100.000
2	A		✓	2806	100.000
	B		✓	0	100.000
	C		✓	0	100.000

Origin-Destination Data

Demand (PCU/hr)

Junction 1

	To		
	A	B	C
A	0	112	2954

From	B	0	0	224
	C	0	0	0

Demand (PCU/hr)

Junction 2

		To		
		A	B	C
From	A	0	1	2805
	B	0	0	0
	C	0	0	0

Vehicle Mix

Heavy Vehicle Percentages

Junction 1

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Heavy Vehicle Percentages

Junction 2

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Junction	Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	B-AC	1.53	662.82	46.0	F
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				
2	B-C	0.00	0.00	0.0	A
	B-A	0.00	0.00	0.0	A
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				

Main Results for each time segment

07:15 - 07:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	169	341	0.495	165	0.9	20.077	C
	C-AB	0	178	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	84			84			
	A-C	2224			2224			

2	B-C	0	395	0.000	0	0.0	0.000	A
	B-A	0	59	0.000	0	0.0	0.000	A
	C-AB	0	227	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.75			0.75			
	A-C	2112			2112			

07:30 - 07:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	201	266	0.758	195	2.6	47.099	E
	C-AB	0	101	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	101			101			
	A-C	2656			2656			
2	B-C	0	247	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	159	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.90			0.90			
	A-C	2522			2522			

07:45 - 08:00

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	247	162	1.527	158	24.7	346.127	F
	C-AB	0	0	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	123			123			
	A-C	3252			3252			
2	B-C	0	179	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	66	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	1			1			
	A-C	3088			3088			

08:00 - 08:15

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	247	162	1.527	161	46.0	662.817	F
	C-AB	0	0	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	123			123			
	A-C	3252			3252			
2	B-C	0	179	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	66	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	1			1			
	A-C	3088			3088			

08:15 - 08:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	201	266	0.758	260	31.4	510.172	F
	C-AB	0	101	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	101			101			
	A-C	2656			2656			
	B-C	0	247	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	159	0.000	0	0.0	0.000	A

2	C-A	0			0			
	A-B	0.90			0.90			
	A-C	2522			2522			

08:30 - 08:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	169	341	0.495	290	1.1	147.409	F
	C-AB	0	178	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	84			84			
	A-C	2224			2224			
2	B-C	0	395	0.000	0	0.0	0.000	A
	B-A	0	59	0.000	0	0.0	0.000	A
	C-AB	0	227	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.75			0.75			
	A-C	2112			2112			

DM2 2037, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Junction 2 - Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.
Warning	Vehicle Mix	Junction 2	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A582 Lostock Ln/ Todd Ln S	T-Junction	Entry Only	Two-way	Exit Only		0.71	A
2	A582 Lostock Ln / Old School Ln	T-Junction	Entry Only	Two-way	Exit Only		0.11	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.37	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D8	DM2 2037	PM	Do-Minimum Sensitivity Test: 2037 + Committed and Expected Developments – without development	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	A		✓	2588	100.000
	B		✓	85	100.000
	C		✓	0	100.000
2	A		✓	3376	100.000
	B		✓	9	100.000
	C		✓	0	100.000

Origin-Destination Data

Demand (PCU/hr)

Junction 1

	To			
		A	B	C
	A	0	137	2451

From	B	0	0	85
	C	0	0	0

Demand (PCU/hr)

Junction 2

		To		
		A	B	C
From	A	0	10	3366
	B	0	0	9
	C	0	0	0

Vehicle Mix

Heavy Vehicle Percentages

Junction 1

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Heavy Vehicle Percentages

Junction 2

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Junction	Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	B-AC	0.37	22.32	0.6	C
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				
2	B-C	0.10	40.92	0.1	E
	B-A	0.00	0.00	0.0	A
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				

Main Results for each time segment

16:15 - 16:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	64	404	0.158	63	0.2	10.529	B
	C-AB	0	240	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	103			103			
	A-C	1845			1845			

2	B-C	7	232	0.029	7	0.0	15.993	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	156	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	8			8			
	A-C	2534			2534			

16:30 - 16:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	76	342	0.224	76	0.3	13.533	B
	C-AB	0	175	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	123			123			
	A-C	2203			2203			
2	B-C	8	175	0.046	8	0.0	21.488	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	75	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	9			9			
	A-C	3026			3026			

16:45 - 17:00

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	94	255	0.367	92	0.6	22.039	C
	C-AB	0	85	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	151			151			
	A-C	2699			2699			
2	B-C	10	98	0.101	10	0.1	40.715	E
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	0	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	11			11			
	A-C	3706			3706			

17:00 - 17:15

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	94	255	0.367	94	0.6	22.321	C
	C-AB	0	85	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	151			151			
	A-C	2699			2699			
2	B-C	10	98	0.101	10	0.1	40.919	E
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	0	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	11			11			
	A-C	3706			3706			

17:15 - 17:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	76	342	0.224	78	0.3	13.684	B
	C-AB	0	175	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	123			123			
	A-C	2203			2203			
	B-C	8	175	0.046	8	0.0	21.567	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	75	0.000	0	0.0	0.000	A

2	C-A	0			0			
	A-B	9			9			
	A-C	3026			3026			

17:30 - 17:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	64	404	0.158	64	0.2	10.598	B
	C-AB	0	240	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	103			103			
	A-C	1845			1845			
2	B-C	7	232	0.029	7	0.0	16.021	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	156	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	8			8			
	A-C	2534			2534			

DS1 2032, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Junction 2 - Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.
Warning	Vehicle Mix	Junction 2	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A582 Lostock Ln/ Todd Ln S	T-Junction	Entry Only	Two-way	Exit Only		29.28	D
2	A582 Lostock Ln / Old School Ln	T-Junction	Entry Only	Two-way	Exit Only		0.00	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	16.23	C

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D9	DS1 2032	AM	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	A		✓	2927	100.000
	B		✓	217	100.000
	C		✓	0	100.000
2	A		✓	2527	100.000
	B		✓	0	100.000
	C		✓	0	100.000

Origin-Destination Data

Demand (PCU/hr)

Junction 1

		To		
		A	B	C
From	A	0	109	2818
	B	0	0	217
	C	0	0	0

Junction 2

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	1	2526
	B	0	0	0
	C	0	0	0

Vehicle Mix

Junction 1

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Junction 2

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Junction	Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	B-AC	1.27	424.20	29.7	F
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				
2	B-C	0.00	0.00	0.0	A
	B-A	0.00	0.00	0.0	A
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				

Main Results for each time segment

07:15 - 07:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	163	358	0.456	160	0.8	17.879	C
	C-AB	0	196	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	82			82			
	A-C	2122			2122			
	B-C	0	429	0.000	0	0.0	0.000	A
	B-A	0	105	0.000	0	0.0	0.000	A

2	C-AB	0	261	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.75			0.75			
	A-C	1902			1902			

07:30 - 07:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	195	287	0.680	191	1.9	35.973	E
	C-AB	0	122	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	98			98			
	A-C	2533			2533			
2	B-C	0	370	0.000	0	0.0	0.000	A
	B-A	0	24	0.000	0	0.0	0.000	A
	C-AB	0	201	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.90			0.90			
	A-C	2271			2271			

07:45 - 08:00

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	239	187	1.275	180	16.6	218.784	F
	C-AB	0	21	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	120			120			
	A-C	3103			3103			
2	B-C	0	216	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	117	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	1			1			
	A-C	2781			2781			

08:00 - 08:15

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	239	187	1.275	186	29.7	424.203	F
	C-AB	0	21	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	120			120			
	A-C	3103			3103			
2	B-C	0	216	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	117	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	1			1			
	A-C	2781			2781			

08:15 - 08:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	195	287	0.680	277	9.2	260.705	F
	C-AB	0	122	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	98			98			
	A-C	2533			2533			
2	B-C	0	370	0.000	0	0.0	0.000	A
	B-A	0	24	0.000	0	0.0	0.000	A
	C-AB	0	201	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.90			0.90			
	A-C	2271			2271			

	A-C	2271			2271			

08:30 - 08:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	**B-AC**	163	358	0.456	197	0.9	26.656	D
	C-AB	0	196	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	82			82			
	A-C	2122			2122			
2	**B-C**	0	429	0.000	0	0.0	0.000	A
	B-A	0	105	0.000	0	0.0	0.000	A
	C-AB	0	261	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.75			0.75			
	A-C	1902			1902			

DS1 2032, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Junction 2 - Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.
Warning	Vehicle Mix	Junction 2	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A582 Lostock Ln/ Todd Ln S	T-Junction	Entry Only	Two-way	Exit Only		0.63	A
2	A582 Lostock Ln / Old School Ln	T-Junction	Entry Only	Two-way	Exit Only		0.08	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.33	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D10	DS1 2032	PM	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	A		✓	2502	100.000
	B		✓	82	100.000
	C		✓	0	100.000
2	A		✓	3085	100.000
	B		✓	9	100.000
	C		✓	0	100.000

Origin-Destination Data

Demand (PCU/hr)

Junction 1

		To		
		A	B	C
From	A	0	134	2368
	B	0	0	82
	C	0	0	0

Junction 2

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	9	3076
	B	0	0	9
	C	0	0	0

Vehicle Mix

Junction 1

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Junction 2

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Junction	Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	B-AC	0.33	19.95	0.5	C
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				
2	B-C	0.07	28.93	0.1	D
	B-A	0.00	0.00	0.0	A
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				

Main Results for each time segment

16:15 - 16:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	62	415	0.149	61	0.2	10.141	B
	C-AB	0	251	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	101			101			
	A-C	1783			1783			
	B-C	7	342	0.020	7	0.0	10.731	B
	B-A	0	13	0.000	0	0.0	0.000	A

2	C-AB	0	192	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	7			7			
	A-C	2316			2316			

16:30 - 16:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	74	355	0.208	73	0.3	12.784	B
	C-AB	0	188	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	120			120			
	A-C	2129			2129			
2	B-C	8	205	0.039	8	0.0	18.244	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	118	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	8			8			
	A-C	2765			2765			

16:45 - 17:00

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	90	271	0.334	89	0.5	19.761	C
	C-AB	0	101	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	148			148			
	A-C	2607			2607			
2	B-C	10	134	0.074	10	0.1	28.870	D
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	16	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	10			10			
	A-C	3387			3387			

17:00 - 17:15

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	90	271	0.334	90	0.5	19.948	C
	C-AB	0	101	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	148			148			
	A-C	2607			2607			
2	B-C	10	134	0.074	10	0.1	28.935	D
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	16	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	10			10			
	A-C	3387			3387			

17:15 - 17:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	74	355	0.208	75	0.3	12.898	B
	C-AB	0	188	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	120			120			
	A-C	2129			2129			
2	B-C	8	205	0.039	8	0.0	18.286	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	118	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	8			8			

	A-C	2765			2765			

17:30 - 17:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	**B-AC**	62	415	0.149	62	0.2	10.202	B
	C-AB	0	251	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	101			101			
	A-C	1783			1783			
2	**B-C**	7	342	0.020	7	0.0	10.743	B
	B-A	0	13	0.000	0	0.0	0.000	A
	C-AB	0	192	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	7			7			
	A-C	2316			2316			

DS2 2032, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Junction 2 - Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.
Warning	Vehicle Mix	Junction 2	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A582 Lostock Ln/ Todd Ln S	T-Junction	Entry Only	Two-way	Exit Only		32.17	D
2	A582 Lostock Ln / Old School Ln	T-Junction	Entry Only	Two-way	Exit Only		0.00	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	17.32	C

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D11	DS2 2032	AM	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	A		✓	2963	100.000
	B		✓	217	100.000
	C		✓	0	100.000
2	A		✓	2726	100.000
	B		✓	0	100.000
	C		✓	0	100.000

Origin-Destination Data

Demand (PCU/hr)

Junction 1

		To		
		A	B	C
From	A	0	109	2854
	B	0	0	217
	C	0	0	0

Junction 2

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	1	2725
	B	0	0	0
	C	0	0	0

Vehicle Mix

Junction 1

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Junction 2

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Junction	Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	B-AC	1.32	471.43	32.9	F
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				
2	B-C	0.00	0.00	0.0	A
	B-A	0.00	0.00	0.0	A
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				

Main Results for each time segment

07:15 - 07:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	163	354	0.462	160	0.8	18.293	C
	C-AB	0	191	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	82			82			
	A-C	2149			2149			
	B-C	0	405	0.000	0	0.0	0.000	A
	B-A	0	72	0.000	0	0.0	0.000	A

2	C-AB	0	237	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.75			0.75			
	A-C	2052			2052			

07:30 - 07:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	195	281	0.694	190	2.0	37.855	E
	C-AB	0	117	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	98			98			
	A-C	2566			2566			
2	B-C	0	256	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	171	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.90			0.90			
	A-C	2450			2450			

07:45 - 08:00

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	239	181	1.323	175	18.1	242.050	F
	C-AB	0	14	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	120			120			
	A-C	3142			3142			
2	B-C	0	189	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	81	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	1			1			
	A-C	3000			3000			

08:00 - 08:15

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	239	181	1.323	180	32.9	471.428	F
	C-AB	0	14	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	120			120			
	A-C	3142			3142			
2	B-C	0	189	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	81	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	1			1			
	A-C	3000			3000			

08:15 - 08:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	195	281	0.694	273	13.4	308.834	F
	C-AB	0	117	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	98			98			
	A-C	2566			2566			
2	B-C	0	256	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	171	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.90			0.90			

	A-C	2450			2450			

08:30 - 08:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	**B-AC**	163	354	0.462	214	0.9	35.114	E
	C-AB	0	191	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	82			82			
	A-C	2149			2149			
2	**B-C**	0	405	0.000	0	0.0	0.000	A
	B-A	0	72	0.000	0	0.0	0.000	A
	C-AB	0	237	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.75			0.75			
	A-C	2052			2052			

DS2 2032, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Junction 2 - Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.
Warning	Vehicle Mix	Junction 2	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A582 Lostock Ln/ Todd Ln S	T-Junction	Entry Only	Two-way	Exit Only		0.63	A
2	A582 Lostock Ln / Old School Ln	T-Junction	Entry Only	Two-way	Exit Only		0.10	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.33	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D12	DS2 2032	PM	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	A		✓	2500	100.000
	B		✓	82	100.000
	C		✓	0	100.000
2	A		✓	3241	100.000
	B		✓	9	100.000
	C		✓	0	100.000

Origin-Destination Data

Demand (PCU/hr)

Junction 1

		To		
		A	B	C
From	A	0	134	2366
	B	0	0	82
	C	0	0	0

Junction 2

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	9	3232
	B	0	0	9
	C	0	0	0

Vehicle Mix

Junction 1

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Junction 2

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Junction	Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	B-AC	0.33	19.91	0.5	C
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				
2	B-C	0.09	34.34	0.1	D
	B-A	0.00	0.00	0.0	A
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				

Main Results for each time segment

16:15 - 16:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	62	416	0.149	61	0.2	10.134	B
	C-AB	0	251	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	101			101			
	A-C	1781			1781			
	B-C	7	243	0.028	7	0.0	15.215	C
	B-A	0	0	0.000	0	0.0	0.000	A

2	C-AB	0	173	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	7			7			
	A-C	2433			2433			

16:30 - 16:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	74	355	0.208	73	0.3	12.770	B
	C-AB	0	188	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	120			120			
	A-C	2127			2127			
2	B-C	8	189	0.043	8	0.0	19.856	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	95	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	8			8			
	A-C	2906			2906			

16:45 - 17:00

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	90	271	0.333	89	0.5	19.721	C
	C-AB	0	102	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	148			148			
	A-C	2605			2605			
2	B-C	10	115	0.086	10	0.1	34.223	D
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	0	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	10			10			
	A-C	3558			3558			

17:00 - 17:15

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	90	271	0.333	90	0.5	19.906	C
	C-AB	0	102	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	148			148			
	A-C	2605			2605			
2	B-C	10	115	0.086	10	0.1	34.337	D
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	0	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	10			10			
	A-C	3558			3558			

17:15 - 17:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	74	355	0.208	75	0.3	12.884	B
	C-AB	0	188	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	120			120			
	A-C	2127			2127			
2	B-C	8	189	0.043	8	0.0	19.910	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	95	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	8			8			

	A-C	2906			2906			

17:30 - 17:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	**B-AC**	62	416	0.149	62	0.2	10.192	B
	C-AB	0	251	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	101			101			
	A-C	1781			1781			
2	**B-C**	7	243	0.028	7	0.0	15.235	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	173	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	7			7			
	A-C	2433			2433			

DS1 2037, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Junction 2 - Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.
Warning	Vehicle Mix	Junction 2	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A582 Lostock Ln/ Todd Ln S	T-Junction	Entry Only	Two-way	Exit Only		39.67	E
2	A582 Lostock Ln / Old School Ln	T-Junction	Entry Only	Two-way	Exit Only		0.00	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	21.98	C

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D13	DS1 2037	AM	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	A		✓	3006	100.000
	B		✓	224	100.000
	C		✓	0	100.000
2	A		✓	2601	100.000
	B		✓	0	100.000
	C		✓	0	100.000

Origin-Destination Data

Demand (PCU/hr)

Junction 1

		To		
		A	B	C
From	A	0	112	2894
	B	0	0	224
	C	0	0	0

Junction 2

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	1	2600
	B	0	0	0
	C	0	0	0

Vehicle Mix

Junction 1

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Junction 2

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Junction	Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	B-AC	1.43	572.10	40.4	F
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				
2	B-C	0.00	0.00	0.0	A
	B-A	0.00	0.00	0.0	A
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				

Main Results for each time segment

07:15 - 07:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	169	348	0.484	165	0.9	19.274	C
	C-AB	0	186	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	84			84			
	A-C	2179			2179			
	B-C	0	420	0.000	0	0.0	0.000	A
	B-A	0	93	0.000	0	0.0	0.000	A

2	C-AB	0	252	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.75			0.75			
	A-C	1957			1957			

07:30 - 07:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	201	275	0.733	196	2.3	42.709	E
	C-AB	0	110	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	101			101			
	A-C	2602			2602			
2	B-C	0	359	0.000	0	0.0	0.000	A
	B-A	0	9	0.000	0	0.0	0.000	A
	C-AB	0	190	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.90			0.90			
	A-C	2337			2337			

07:45 - 08:00

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	247	173	1.427	169	21.9	293.531	F
	C-AB	0	6	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	123			123			
	A-C	3186			3186			
2	B-C	0	206	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	103	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	1			1			
	A-C	2863			2863			

08:00 - 08:15

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	247	173	1.427	172	40.4	572.099	F
	C-AB	0	6	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	123			123			
	A-C	3186			3186			
2	B-C	0	206	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	103	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	1			1			
	A-C	2863			2863			

08:15 - 08:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	201	275	0.733	268	23.7	419.785	F
	C-AB	0	110	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	101			101			
	A-C	2602			2602			
2	B-C	0	359	0.000	0	0.0	0.000	A
	B-A	0	9	0.000	0	0.0	0.000	A
	C-AB	0	190	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.90			0.90			

	A-C	2337			2337			

08:30 - 08:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	**B-AC**	169	348	0.484	260	1.0	80.789	F
	C-AB	0	186	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	84			84			
	A-C	2179			2179			
2	**B-C**	0	420	0.000	0	0.0	0.000	A
	B-A	0	93	0.000	0	0.0	0.000	A
	C-AB	0	252	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.75			0.75			
	A-C	1957			1957			

DS1 2037, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Junction 2 - Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.
Warning	Vehicle Mix	Junction 2	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A582 Lostock Ln/ Todd Ln S	T-Junction	Entry Only	Two-way	Exit Only		0.70	A
2	A582 Lostock Ln / Old School Ln	T-Junction	Entry Only	Two-way	Exit Only		0.09	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.37	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D14	DS1 2037	PM	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	A		✓	2569	100.000
	B		✓	85	100.000
	C		✓	0	100.000
2	A		✓	3167	100.000
	B		✓	9	100.000
	C		✓	0	100.000

Origin-Destination Data

Demand (PCU/hr)

Junction 1

		To		
		A	B	C
From	A	0	137	2432
	B	0	0	85
	C	0	0	0

Junction 2

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	10	3157
	B	0	0	9
	C	0	0	0

Vehicle Mix

Junction 1

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Junction 2

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Junction	Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	B-AC	0.36	21.83	0.6	C
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				
2	B-C	0.08	31.52	0.1	D
	B-A	0.00	0.00	0.0	A
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				

Main Results for each time segment

16:15 - 16:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	64	407	0.157	63	0.2	10.453	B
	C-AB	0	242	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	103			103			
	A-C	1831			1831			
	B-C	7	250	0.027	7	0.0	14.814	B
	B-A	0	0	0.000	0	0.0	0.000	A

2	C-AB	0	182	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	8			8			
	A-C	2377			2377			

16:30 - 16:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	76	345	0.222	76	0.3	13.387	B
	C-AB	0	178	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	123			123			
	A-C	2186			2186			
2	B-C	8	197	0.041	8	0.0	19.054	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	106	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	9			9			
	A-C	2838			2838			

16:45 - 17:00

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	94	258	0.362	93	0.5	21.573	C
	C-AB	0	89	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	151			151			
	A-C	2678			2678			
2	B-C	10	124	0.080	10	0.1	31.438	D
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	0.94	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	11			11			
	A-C	3476			3476			

17:00 - 17:15

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	94	258	0.362	94	0.6	21.834	C
	C-AB	0	89	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	151			151			
	A-C	2678			2678			
2	B-C	10	124	0.080	10	0.1	31.520	D
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	0.94	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	11			11			
	A-C	3476			3476			

17:15 - 17:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	76	345	0.222	77	0.3	13.533	B
	C-AB	0	178	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	123			123			
	A-C	2186			2186			
2	B-C	8	197	0.041	8	0.0	19.098	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	106	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	9			9			

	A-C	2838			2838			

17:30 - 17:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	**B-AC**	64	407	0.157	64	0.2	10.521	B
	C-AB	0	242	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	103			103			
	A-C	1831			1831			
2	**B-C**	7	250	0.027	7	0.0	14.833	B
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	182	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	8			8			
	A-C	2377			2377			

DS2 2037, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Junction 2 - Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.
Warning	Vehicle Mix	Junction 2	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A582 Lostock Ln/ Todd Ln S	T-Junction	Entry Only	Two-way	Exit Only		42.92	E
2	A582 Lostock Ln / Old School Ln	T-Junction	Entry Only	Two-way	Exit Only		0.00	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	23.11	C

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D15	DS2 2037	AM	ONE HOUR	07:15	08:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	A		✓	3042	100.000
	B		✓	224	100.000
	C		✓	0	100.000
2	A		✓	2800	100.000
	B		✓	0	100.000
	C		✓	0	100.000

Origin-Destination Data

Demand (PCU/hr)

Junction 1

		To		
		A	B	C
From	A	0	112	2930
	B	0	0	224
	C	0	0	0

Junction 2

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	1	2799
	B	0	0	0
	C	0	0	0

Vehicle Mix

Junction 1

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Junction 2

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Junction	Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	B-AC	1.49	625.78	43.8	F
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				
2	B-C	0.00	0.00	0.0	A
	B-A	0.00	0.00	0.0	A
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				

Main Results for each time segment

07:15 - 07:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	169	344	0.490	165	0.9	19.748	C
	C-AB	0	181	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	84			84			
	A-C	2206			2206			
	B-C	0	396	0.000	0	0.0	0.000	A
	B-A	0	60	0.000	0	0.0	0.000	A

2	C-AB	0	228	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.75			0.75			
	A-C	2107			2107			

07:30 - 07:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	201	269	0.748	195	2.5	45.256	E
	C-AB	0	105	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	101			101			
	A-C	2634			2634			
2	B-C	0	248	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	160	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.90			0.90			
	A-C	2516			2516			

07:45 - 08:00

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	247	166	1.485	162	23.5	324.009	F
	C-AB	0	0	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	123			123			
	A-C	3226			3226			
2	B-C	0	179	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	67	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	1			1			
	A-C	3082			3082			

08:00 - 08:15

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	247	166	1.485	166	43.8	625.776	F
	C-AB	0	0	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	123			123			
	A-C	3226			3226			
2	B-C	0	179	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	67	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	1			1			
	A-C	3082			3082			

08:15 - 08:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	201	269	0.748	263	28.3	473.529	F
	C-AB	0	105	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	101			101			
	A-C	2634			2634			
2	B-C	0	248	0.000	0	0.0	0.000	A
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	160	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.90			0.90			

	A-C	2516			2516			

08:30 - 08:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	**B-AC**	169	344	0.490	278	1.1	117.699	F
	C-AB	0	181	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	84			84			
	A-C	2206			2206			
2	**B-C**	0	396	0.000	0	0.0	0.000	A
	B-A	0	60	0.000	0	0.0	0.000	A
	C-AB	0	228	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	0.75			0.75			
	A-C	2107			2107			

DS2 2037, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Junction 2 - Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.
Warning	Vehicle Mix	Junction 2	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A582 Lostock Ln/ Todd Ln S	T-Junction	Entry Only	Two-way	Exit Only		0.70	A
2	A582 Lostock Ln / Old School Ln	T-Junction	Entry Only	Two-way	Exit Only		0.10	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.37	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D16	DS2 2037	PM	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	A		✓	2567	100.000
	B		✓	85	100.000
	C		✓	0	100.000
2	A		✓	3329	100.000
	B		✓	9	100.000
	C		✓	0	100.000

Origin-Destination Data

Demand (PCU/hr)

Junction 1

		To		
		A	B	C
From	A	0	137	2430
	B	0	0	85
	C	0	0	0

Junction 2

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	10	3319
	B	0	0	9
	C	0	0	0

Vehicle Mix

Junction 1

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Junction 2

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Junction	Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	B-AC	0.36	21.78	0.6	C
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				
2	B-C	0.10	38.35	0.1	E
	B-A	0.00	0.00	0.0	A
	C-AB	0.00	0.00	0.0	A
	C-A				
	A-B				
	A-C				

Main Results for each time segment

16:15 - 16:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	64	407	0.157	63	0.2	10.445	B
	C-AB	0	242	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	103			103			
	A-C	1829			1829			
	B-C	7	236	0.029	7	0.0	15.711	C
	B-A	0	0	0.000	0	0.0	0.000	A

2	C-AB	0	162	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	8			8			
	A-C	2499			2499			

16:30 - 16:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	76	345	0.222	76	0.3	13.372	B
	C-AB	0	178	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	123			123			
	A-C	2185			2185			
2	B-C	8	180	0.045	8	0.0	20.880	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	82	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	9			9			
	A-C	2984			2984			

16:45 - 17:00

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	94	259	0.362	93	0.5	21.526	C
	C-AB	0	89	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	151			151			
	A-C	2675			2675			
2	B-C	10	104	0.096	10	0.1	38.185	E
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	0	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	11			11			
	A-C	3654			3654			

17:00 - 17:15

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	94	259	0.362	94	0.6	21.784	C
	C-AB	0	89	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	151			151			
	A-C	2675			2675			
2	B-C	10	104	0.096	10	0.1	38.348	E
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	0	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	11			11			
	A-C	3654			3654			

17:15 - 17:30

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	B-AC	76	345	0.222	77	0.3	13.517	B
	C-AB	0	178	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	123			123			
	A-C	2185			2185			
2	B-C	8	180	0.045	8	0.0	20.955	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	82	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	9			9			

	A-C	2984			2984			

17:30 - 17:45

Junction	Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	**B-AC**	64	407	0.157	64	0.2	10.515	B
	C-AB	0	242	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	103			103			
	A-C	1829			1829			
2	**B-C**	7	236	0.029	7	0.0	15.737	C
	B-A	0	0	0.000	0	0.0	0.000	A
	C-AB	0	162	0.000	0	0.0	0.000	A
	C-A	0			0			
	A-B	8			8			
	A-C	2499			2499			

Junctions 10

PICADY 10 - Priority Intersection Module

Version: 10.0.1.1519

For sales and distribution information, program advice and maintenance, contact TRL Software:
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Filename: Residential Access - 4 Arm Stanifield Ln.j10
Path: \\uk.wspgroup.com\Central Data\Projects\70084xxx\70084465 - Lancashire Central, Cuerden\03 WIP\Junction Modelling\Site Access and Internal Models
Report generation date: 09/05/2022 13:43:11

Summary of junction performance

	AM						PM					
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Network Residual Capacity	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Network Residual Capacity
	DM1 2032											
Stream B-C	D1	0.0	0.00	0.00	A	15 % [Stream D-ABC]	D2	0.0	0.00	0.00	A	23 % [Stream D-ABC]
Stream B-AD		0.0	0.00	0.00	A			0.0	0.00	0.00	A	
Stream A-BCD		0.0	6.90	0.00	A			0.0	7.48	0.01	A	
Stream D-ABC		0.4	22.68	0.27	C			0.2	19.88	0.14	C	
Stream C-ABD		0.0	0.00	0.00	A			0.0	0.00	0.00	A	
	DM2 2032											
Stream B-C	D3	0.0	0.00	0.00	A	12 % [Stream D-ABC]	D4	0.0	7.20	0.01	A	21 % [Stream D-ABC]
Stream B-AD		0.0	0.00	0.00	A			0.0	16.23	0.00	C	
Stream A-BCD		0.0	6.92	0.00	A			0.0	7.65	0.01	A	
Stream D-ABC		0.4	24.46	0.29	C			0.2	20.40	0.14	C	
Stream C-ABD		0.0	7.57	0.01	A			0.0	6.53	0.01	A	
	DM1 2037											
Stream B-C	D5	0.0	0.00	0.00	A	12 % [Stream D-ABC]	D6	0.0	0.00	0.00	A	19 % [Stream D-ABC]
Stream B-AD		0.0	0.00	0.00	A			0.0	0.00	0.00	A	
Stream A-BCD		0.0	6.99	0.00	A			0.0	7.59	0.01	A	
Stream D-ABC		0.4	24.12	0.28	C			0.2	20.92	0.15	C	
Stream C-ABD		0.0	0.00	0.00	A			0.0	0.00	0.00	A	
	DM2 2037											
Stream B-C	D7	0.0	0.00	0.00	A	9 % [Stream D-ABC]	D8	0.0	7.28	0.01	A	18 % [Stream D-ABC]
Stream B-AD		0.0	0.00	0.00	A			0.0	16.93	0.01	C	
Stream A-BCD		0.0	7.01	0.00	A			0.0	7.77	0.01	A	
Stream D-ABC		0.4	26.13	0.30	D			0.2	21.50	0.15	C	

Stream C-ABD		0.0	7.69	0.01	A			0.0	6.60	0.01	A	
	DS1 2032											
Stream B-C		0.0	0.00	0.00	A			0.0	0.00	0.00	A	
Stream B-AD		0.0	0.00	0.00	A	13 %		0.0	0.00	0.00	A	21 %
Stream A-BCD	D9	0.0	6.90	0.00	A	[Stream D-ABC]	D10	0.0	7.51	0.01	A	[Stream D-ABC]
Stream D-ABC		0.4	23.78	0.31	C			0.2	20.32	0.15	C	
Stream C-ABD		0.0	0.00	0.00	A			0.0	0.00	0.00	A	
	DS2 2032											
Stream B-C		0.0	0.00	0.00	A			0.0	7.21	0.01	A	
Stream B-AD		0.0	0.00	0.00	A	10 %		0.0	16.32	0.00	C	20 %
Stream A-BCD	D11	0.0	6.92	0.00	A	[Stream D-ABC]	D12	0.0	7.68	0.01	A	[Stream D-ABC]
Stream D-ABC		0.5	25.73	0.32	D			0.2	20.86	0.16	C	
Stream C-ABD		0.0	7.60	0.01	A			0.0	6.54	0.01	A	
	DS1 2037											
Stream B-C		0.0	0.00	0.00	A			0.0	0.00	0.00	A	
Stream B-AD		0.0	0.00	0.00	A	10 %		0.0	0.00	0.00	A	18 %
Stream A-BCD	D13	0.0	6.99	0.00	A	[Stream D-ABC]	D14	0.0	7.63	0.01	A	[Stream D-ABC]
Stream D-ABC		0.5	25.36	0.32	D			0.2	21.40	0.16	C	
Stream C-ABD		0.0	0.00	0.00	A			0.0	0.00	0.00	A	
	DS2 2037											
Stream B-C		0.0	0.00	0.00	A			0.0	7.28	0.01	A	
Stream B-AD		0.0	0.00	0.00	A	7 %		0.0	17.02	0.01	C	17 %
Stream A-BCD	D15	0.0	7.01	0.00	A	[Stream D-ABC]	D16	0.0	7.80	0.01	A	[Stream D-ABC]
Stream D-ABC		0.5	27.60	0.34	D			0.2	22.01	0.16	C	
Stream C-ABD		0.0	7.73	0.01	A			0.0	6.61	0.01	A	

There are warnings associated with one or more model runs - see the 'Data Errors and Warnings' tables for each Analysis or Demand Set.

Values shown are the highest values encountered over all time segments. Delay is the maximum value of average delay per arriving vehicle. Network Residual Capacity indicates the amount by which network flow could be increased before a user-definable threshold (see Analysis Options) is met.

File summary

File Description

Title	Stanifield Lane 4-arm Site Access
Location	Farington
Site number	1
Date	09/05/2022
Version	
Status	Proposed Access
Identifier	
Client	
Jobnumber	
Enumerator	CORP\UKHGB002
Description	Layout from DWG - FCR-WSP-ZZ-XX-DR-C-0011 Rev A

Units

Distance units	Speed units	Traffic units input	Traffic units results	Flow units	Average delay units	Total delay units	Rate of delay units
m	kph	PCU	PCU	perHour	s	-Min	perMin

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Show lane queues in feet / metres	Show all PICADY stream intercepts	Calculate residual capacity	Residual capacity criteria type	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)	Use iterations with HCM roundabouts	Max number of iterations for roundabouts
5.75					✓	Delay	0.85	36.00	20.00		500

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	DM1 2032	AM	ONE HOUR	07:15	08:45	15	✓
D2	DM1 2032	PM	ONE HOUR	16:15	17:45	15	✓

D3	DM2 2032	AM	ONE HOUR	07:15	08:45	15	✓
D4	DM2 2032	PM	ONE HOUR	16:15	17:45	15	✓
D5	DM1 2037	AM	ONE HOUR	07:15	08:45	15	✓
D6	DM1 2037	PM	ONE HOUR	16:15	17:45	15	✓
D7	DM2 2037	AM	ONE HOUR	07:15	08:45	15	✓
D8	DM2 2037	PM	ONE HOUR	16:15	17:45	15	✓
D9	DS1 2032	AM	ONE HOUR	07:15	08:45	15	✓
D10	DS1 2032	PM	ONE HOUR	16:15	17:45	15	✓
D11	DS2 2032	AM	ONE HOUR	07:15	08:45	15	✓
D12	DS2 2032	PM	ONE HOUR	16:15	17:45	15	✓
D13	DS1 2037	AM	ONE HOUR	07:15	08:45	15	✓
D14	DS1 2037	PM	ONE HOUR	16:15	17:45	15	✓
D15	DS2 2037	AM	ONE HOUR	07:15	08:45	15	✓
D16	DS2 2037	PM	ONE HOUR	16:15	17:45	15	✓

Analysis Set Details

ID	Include in report	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	✓	100.000	100.000

DM1 2032, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Stanifield Ln 4 Arm Site Access	Right-Left Stagger	Two-way	Two-way	Two-way	Two-way		0.77	A

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	15	Stream D-ABC	0.77	A

Arms

Arms

Arm	Name	Description	Arm type
A	Stanifield Lane S		Major
B	Site Access		Minor
C	Stanifield Lane N		Major
D	Lancaster Central Residential Access		Minor

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right-turn storage	Width for right-turn storage (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
A	7.30		✓	3.50	140.0	✓	6.00
C	7.30		✓	3.50	170.0	✓	6.00

Geometries for Arm C are measured opposite Arm B. Geometries for Arm A (if relevant) are measured opposite Arm D.

Minor Arm Geometry

Arm	Minor arm type	Lane width (m)	Lane Width (Left) (m)	Lane Width (Right) (m)	Visibility to left (m)	Visibility to right (m)
B	Two lanes		3.50	3.50	70	60
D	One lane	3.65			0	0

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for A-D	Slope for B-A	Slope for B-D	Slope for C-A	Slope for C-B	Slope for C-D	Slope for D-B	Slope for D-C
A-D	748	-	-	-	0.273	0.273	0.273	-	0.273	-	-
B-AD	557	0.096	0.242	-	-	-	0.152	0.345	0.152	0.096	0.242
B-C	695	0.100	0.254	-	-	-	-	-	-	0.100	0.254
C-B	768	0.281	0.281	-	-	-	-	-	-	0.281	0.281
D-A	665	-	-	-	0.243	0.096	0.243	-	0.096	-	-
D-BC	509	0.139	0.139	0.316	0.221	0.087	0.221	-	0.087	-	-

The slopes and intercepts shown above include custom intercept adjustments only.

Streams may be combined, in which case capacity will be adjusted.
Values are shown for the first time segment only; they may differ for subsequent time segments.

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	DM1 2032	AM	ONE HOUR	07:15	08:45	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	821	100.000
B		ONE HOUR	✓	0	100.000
C		ONE HOUR	✓	744	100.000
D		ONE HOUR	✓	54	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	0	819	2
	B	0	0	0	0
	C	726	0	0	18
	D	6	0	48	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		A	B	C	D
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.00	0.00	0.0	A	0	0
B-AD	0.00	0.00	0.0	A	0	0
A-BCD	0.00	6.90	0.0	A	2	3
A-B					0	0
A-C					752	1127
D-ABC	0.27	22.68	0.4	C	50	74
C-ABD	0.00	0.00	0.0	A	0	0
C-D					17	25
C-A					666	999

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	529	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	314	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.38	595	0.003	1	0.0	0.0	6.068	A
A-B	0	0			0				
A-C	617	154			617				
D-ABC	41	10	316	0.129	40	0.0	0.1	13.023	B
C-ABD	0	0	1169	0.000	0	0.0	0.0	0.000	A
C-D	14	3			14				
C-A	547	137			547				

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	497	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	266	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.45	565	0.003	2	0.0	0.0	6.392	A
A-B	0	0			0				
A-C	736	184			736				
D-ABC	49	12	275	0.176	48	0.1	0.2	15.860	C
C-ABD	0	0	1097	0.000	0	0.0	0.0	0.000	A
C-D	16	4			16				
C-A	653	163			653				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	452	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	201	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.55	524	0.004	2	0.0	0.0	6.900	A
A-B	0	0			0				
A-C	902	225			902				
D-ABC	59	15	218	0.273	59	0.2	0.4	22.520	C
C-ABD	0	0	999	0.000	0	0.0	0.0	0.000	A
C-D	20	5			20				
C-A	799	200			799				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	452	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	201	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.55	524	0.004	2	0.0	0.0	6.900	A
A-B	0	0			0				
A-C	902	225			902				
D-ABC	59	15	218	0.273	59	0.4	0.4	22.684	C
C-ABD	0	0	999	0.000	0	0.0	0.0	0.000	A
C-D	20	5			20				
C-A	799	200			799				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	497	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	266	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.45	565	0.003	2	0.0	0.0	6.394	A
A-B	0	0			0				

A-C	736	184			736				
D-ABC	49	12	275	0.176	49	0.4	0.2	15.974	C
C-ABD	0	0	1097	0.000	0	0.0	0.0	0.000	A
C-D	16	4			16				
C-A	653	163			653				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	529	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	313	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.38	595	0.003	2	0.0	0.0	6.068	A
A-B	0	0			0				
A-C	617	154			617				
D-ABC	41	10	316	0.129	41	0.2	0.2	13.103	B
C-ABD	0	0	1168	0.000	0	0.0	0.0	0.000	A
C-D	14	3			14				
C-A	547	137			547				

DM1 2032, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Stanifield Ln 4 Arm Site Access	Right-Left Stagger	Two-way	Two-way	Two-way	Two-way		0.36	A

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	23	Stream D-ABC	0.36	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	DM1 2032	PM	ONE HOUR	16:15	17:45	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	686	100.000
B		ONE HOUR	✓	0	100.000
C		ONE HOUR	✓	867	100.000
D		ONE HOUR	✓	27	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	0	681	5
	B	0	0	0	0
	C	826	0	0	41
	D	3	0	24	0

Vehicle Mix

Heavy Vehicle Percentages

	To				

		A	B	C	D
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.00	0.00	0.0	A	0	0
B-AD	0.00	0.00	0.0	A	0	0
A-BCD	0.01	7.48	0.0	A	5	7
A-B					0	0
A-C					625	937
D-ABC	0.14	19.88	0.2	C	25	37
C-ABD	0.00	0.00	0.0	A	0	0
C-D					38	56
C-A					758	1137

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	560	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	329	0.000	0	0.0	0.0	0.000	A
A-BCD	4	0.94	569	0.007	4	0.0	0.0	6.364	A
A-B	0	0			0				
A-C	513	128			513				
D-ABC	20	5	311	0.065	20	0.0	0.1	12.371	B
C-ABD	0	0	1237	0.000	0	0.0	0.0	0.000	A
C-D	31	8			31				
C-A	622	155			622				

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	534	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	285	0.000	0	0.0	0.0	0.000	A
A-BCD	4	1	535	0.008	4	0.0	0.0	6.789	A
A-B	0	0			0				
A-C	612	153			612				
D-ABC	24	6	269	0.090	24	0.1	0.1	14.695	B
C-ABD	0	0	1179	0.000	0	0.0	0.0	0.000	A
C-D	37	9			37				
C-A	743	186			743				

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	498	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	224	0.000	0	0.0	0.0	0.000	A
A-BCD	6	1	487	0.011	5	0.0	0.0	7.478	A
A-B	0	0			0				

A-C	750	187			750				
D-ABC	30	7	211	0.141	29	0.1	0.2	19.825	C
C-ABD	0	0	1099	0.000	0	0.0	0.0	0.000	A
C-D	45	11			45				
C-A	909	227			909				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	498	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	224	0.000	0	0.0	0.0	0.000	A
A-BCD	6	1	487	0.011	6	0.0	0.0	7.478	A
A-B	0	0			0				
A-C	750	187			750				
D-ABC	30	7	211	0.141	30	0.2	0.2	19.878	C
C-ABD	0	0	1099	0.000	0	0.0	0.0	0.000	A
C-D	45	11			45				
C-A	909	227			909				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	534	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	285	0.000	0	0.0	0.0	0.000	A
A-BCD	4	1	535	0.008	5	0.0	0.0	6.789	A
A-B	0	0			0				
A-C	612	153			612				
D-ABC	24	6	269	0.090	25	0.2	0.1	14.739	B
C-ABD	0	0	1179	0.000	0	0.0	0.0	0.000	A
C-D	37	9			37				
C-A	743	186			743				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	560	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	329	0.000	0	0.0	0.0	0.000	A
A-BCD	4	0.94	569	0.007	4	0.0	0.0	6.367	A
A-B	0	0			0				
A-C	513	128			513				
D-ABC	20	5	311	0.065	20	0.1	0.1	12.406	B
C-ABD	0	0	1237	0.000	0	0.0	0.0	0.000	A
C-D	31	8			31				
C-A	622	155			622				

DM2 2032, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Stanifield Ln 4 Arm Site Access	Right-Left Stagger	Two-way	Two-way	Two-way	Two-way		0.80	A

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	12	Stream D-ABC	0.80	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	DM2 2032	AM	ONE HOUR	07:15	08:45	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	887	100.000
B		ONE HOUR	✓	0	100.000
C		ONE HOUR	✓	752	100.000
D		ONE HOUR	✓	54	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	0	885	2
	B	0	0	0	0
	C	731	3	0	18
	D	6	0	48	0

Vehicle Mix

Heavy Vehicle Percentages

	To				

		A	B	C	D
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.00	0.00	0.0	A	0	0
B-AD	0.00	0.00	0.0	A	0	0
A-BCD	0.00	6.92	0.0	A	2	3
A-B					0	0
A-C					812	1218
D-ABC	0.29	24.46	0.4	C	50	74
C-ABD	0.01	7.57	0.0	A	3	4
C-D					17	25
C-A					671	1006

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	516	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	300	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.38	594	0.003	1	0.0	0.0	6.079	A
A-B	0	0			0				
A-C	666	167			666				
D-ABC	41	10	308	0.132	40	0.0	0.1	13.393	B
C-ABD	2	0.56	570	0.004	2	0.0	0.0	6.334	A
C-D	14	3			14				
C-A	550	138			550				

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	482	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	250	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.45	564	0.003	2	0.0	0.0	6.406	A
A-B	0	0			0				
A-C	796	199			796				
D-ABC	49	12	266	0.183	48	0.1	0.2	16.523	C
C-ABD	3	0.67	532	0.005	3	0.0	0.0	6.799	A
C-D	16	4			16				
C-A	657	164			657				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	434	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	182	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.55	522	0.004	2	0.0	0.0	6.920	A
A-B	0	0			0				

A-C	974	244			974				
D-ABC	59	15	207	0.288	59	0.2	0.4	24.245	C
C-ABD	3	0.83	479	0.007	3	0.0	0.0	7.565	A
C-D	20	5			20				
C-A	805	201			805				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	434	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	181	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.55	522	0.004	2	0.0	0.0	6.920	A
A-B	0	0			0				
A-C	974	244			974				
D-ABC	59	15	207	0.288	59	0.4	0.4	24.455	C
C-ABD	3	0.83	479	0.007	3	0.0	0.0	7.567	A
C-D	20	5			20				
C-A	805	201			805				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	481	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	250	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.45	564	0.003	2	0.0	0.0	6.406	A
A-B	0	0			0				
A-C	796	199			796				
D-ABC	49	12	266	0.183	49	0.4	0.2	16.669	C
C-ABD	3	0.67	532	0.005	3	0.0	0.0	6.805	A
C-D	16	4			16				
C-A	657	164			657				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	516	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	300	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.38	594	0.003	2	0.0	0.0	6.079	A
A-B	0	0			0				
A-C	666	167			666				
D-ABC	41	10	308	0.132	41	0.2	0.2	13.480	B
C-ABD	2	0.56	570	0.004	2	0.0	0.0	6.337	A
C-D	14	3			14				
C-A	550	138			550				

DM2 2032, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Stanifield Ln 4 Arm Site Access	Right-Left Stagger	Two-way	Two-way	Two-way	Two-way		0.42	A

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	21	Stream D-ABC	0.42	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	DM2 2032	PM	ONE HOUR	16:15	17:45	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	659	100.000
B		ONE HOUR	✓	5	100.000
C		ONE HOUR	✓	907	100.000
D		ONE HOUR	✓	27	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	0	654	5
	B	1	0	4	0
	C	860	6	0	41
	D	3	0	24	0

Vehicle Mix

Heavy Vehicle Percentages

	To				

		A	B	C	D
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.01	7.20	0.0	A	4	6
B-AD	0.00	16.23	0.0	C	0.92	1
A-BCD	0.01	7.65	0.0	A	5	7
A-B					0	0
A-C					600	900
D-ABC	0.14	20.40	0.2	C	25	37
C-ABD	0.01	6.53	0.0	A	6	8
C-D					38	56
C-A					789	1184

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	3	0.75	565	0.005	3	0.0	0.0	6.406	A
B-AD	0.75	0.19	329	0.002	0.74	0.0	0.0	10.982	B
A-BCD	4	0.94	562	0.007	4	0.0	0.0	6.446	A
A-B	0	0			0				
A-C	492	123			492				
D-ABC	20	5	308	0.066	20	0.0	0.1	12.509	B
C-ABD	5	1	624	0.007	4	0.0	0.0	5.807	A
C-D	31	8			31				
C-A	647	162			647				

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	0.90	540	0.007	4	0.0	0.0	6.716	A
B-AD	0.90	0.22	284	0.003	0.90	0.0	0.0	12.707	B
A-BCD	4	1	526	0.009	4	0.0	0.0	6.901	A
A-B	0	0			0				
A-C	588	147			588				
D-ABC	24	6	265	0.092	24	0.1	0.1	14.924	B
C-ABD	5	1	596	0.009	5	0.0	0.0	6.089	A
C-D	37	9			37				
C-A	773	193			773				

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	1	505	0.009	4	0.0	0.0	7.197	A
B-AD	1	0.28	223	0.005	1	0.0	0.0	16.228	C
A-BCD	6	1	476	0.012	5	0.0	0.0	7.646	A
A-B	0	0			0				

A-C	720	180			720				
D-ABC	30	7	206	0.144	29	0.1	0.2	20.345	C
C-ABD	7	2	558	0.012	7	0.0	0.0	6.528	A
C-D	45	11			45				
C-A	947	237			947				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	1	504	0.009	4	0.0	0.0	7.198	A
B-AD	1	0.28	223	0.005	1	0.0	0.0	16.233	C
A-BCD	6	1	476	0.012	6	0.0	0.0	7.646	A
A-B	0	0			0				
A-C	720	180			720				
D-ABC	30	7	206	0.144	30	0.2	0.2	20.404	C
C-ABD	7	2	558	0.012	7	0.0	0.0	6.528	A
C-D	45	11			45				
C-A	947	237			947				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	0.90	539	0.007	4	0.0	0.0	6.720	A
B-AD	0.90	0.22	284	0.003	0.91	0.0	0.0	12.711	B
A-BCD	4	1	526	0.009	5	0.0	0.0	6.904	A
A-B	0	0			0				
A-C	588	147			588				
D-ABC	24	6	265	0.092	25	0.2	0.1	14.971	B
C-ABD	5	1	596	0.009	5	0.0	0.0	6.093	A
C-D	37	9			37				
C-A	773	193			773				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	3	0.75	565	0.005	3	0.0	0.0	6.410	A
B-AD	0.75	0.19	328	0.002	0.76	0.0	0.0	10.985	B
A-BCD	4	0.94	562	0.007	4	0.0	0.0	6.449	A
A-B	0	0			0				
A-C	492	123			492				
D-ABC	20	5	308	0.066	20	0.1	0.1	12.545	B
C-ABD	5	1	624	0.007	5	0.0	0.0	5.808	A
C-D	31	8			31				
C-A	647	162			647				

DM1 2037, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Stanifield Ln 4 Arm Site Access	Right-Left Stagger	Two-way	Two-way	Two-way	Two-way		0.79	A

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	12	Stream D-ABC	0.79	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D5	DM1 2037	AM	ONE HOUR	07:15	08:45	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	846	100.000
B		ONE HOUR	✓	0	100.000
C		ONE HOUR	✓	766	100.000
D		ONE HOUR	✓	54	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	0	844	2
	B	0	0	0	0
	C	748	0	0	18
	D	6	0	48	0

Vehicle Mix

Heavy Vehicle Percentages

	To				

		A	B	C	D
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.00	0.00	0.0	A	0	0
B-AD	0.00	0.00	0.0	A	0	0
A-BCD	0.00	6.99	0.0	A	2	3
A-B					0	0
A-C					774	1162
D-ABC	0.28	24.12	0.4	C	50	74
C-ABD	0.00	0.00	0.0	A	0	0
C-D					17	25
C-A					686	1030

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	524	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	307	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.38	590	0.003	1	0.0	0.0	6.115	A
A-B	0	0			0				
A-C	635	159			635				
D-ABC	41	10	310	0.131	40	0.0	0.1	13.327	B
C-ABD	0	0	1158	0.000	0	0.0	0.0	0.000	A
C-D	14	3			14				
C-A	563	141			563				

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	491	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	258	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.45	560	0.003	2	0.0	0.0	6.454	A
A-B	0	0			0				
A-C	759	190			759				
D-ABC	49	12	267	0.181	48	0.1	0.2	16.400	C
C-ABD	0	0	1085	0.000	0	0.0	0.0	0.000	A
C-D	16	4			16				
C-A	672	168			672				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	445	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	191	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.55	517	0.004	2	0.0	0.0	6.989	A
A-B	0	0			0				

A-C	929	232			929				
D-ABC	59	15	209	0.285	59	0.2	0.4	23.921	C
C-ABD	0	0	984	0.000	0	0.0	0.0	0.000	A
C-D	20	5			20				
C-A	824	206			824				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	445	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	191	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.55	517	0.004	2	0.0	0.0	6.989	A
A-B	0	0			0				
A-C	929	232			929				
D-ABC	59	15	209	0.285	59	0.4	0.4	24.115	C
C-ABD	0	0	983	0.000	0	0.0	0.0	0.000	A
C-D	20	5			20				
C-A	824	206			824				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	491	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	258	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.45	560	0.003	2	0.0	0.0	6.454	A
A-B	0	0			0				
A-C	759	190			759				
D-ABC	49	12	267	0.181	49	0.4	0.2	16.542	C
C-ABD	0	0	1084	0.000	0	0.0	0.0	0.000	A
C-D	16	4			16				
C-A	672	168			672				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	524	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	306	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.38	590	0.003	2	0.0	0.0	6.118	A
A-B	0	0			0				
A-C	635	159			635				
D-ABC	41	10	310	0.131	41	0.2	0.2	13.416	B
C-ABD	0	0	1158	0.000	0	0.0	0.0	0.000	A
C-D	14	3			14				
C-A	563	141			563				

DM1 2037, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Stanifield Ln 4 Arm Site Access	Right-Left Stagger	Two-way	Two-way	Two-way	Two-way		0.37	A

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	19	Stream D-ABC	0.37	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D6	DM1 2037	PM	ONE HOUR	16:15	17:45	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	705	100.000
B		ONE HOUR	✓	0	100.000
C		ONE HOUR	✓	891	100.000
D		ONE HOUR	✓	27	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	0	700	5
	B	0	0	0	0
	C	850	0	0	41
	D	3	0	24	0

Vehicle Mix

Heavy Vehicle Percentages

	To				

		A	B	C	D
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.00	0.00	0.0	A	0	0
B-AD	0.00	0.00	0.0	A	0	0
A-BCD	0.01	7.59	0.0	A	5	7
A-B					0	0
A-C					642	963
D-ABC	0.15	20.92	0.2	C	25	37
C-ABD	0.00	0.00	0.0	A	0	0
C-D					38	56
C-A					780	1170

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	556	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	323	0.000	0	0.0	0.0	0.000	A
A-BCD	4	0.94	564	0.007	4	0.0	0.0	6.420	A
A-B	0	0			0				
A-C	527	132			527				
D-ABC	20	5	305	0.067	20	0.0	0.1	12.635	B
C-ABD	0	0	1229	0.000	0	0.0	0.0	0.000	A
C-D	31	8			31				
C-A	640	160			640				

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	529	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	277	0.000	0	0.0	0.0	0.000	A
A-BCD	4	1	529	0.009	4	0.0	0.0	6.865	A
A-B	0	0			0				
A-C	629	157			629				
D-ABC	24	6	262	0.093	24	0.1	0.1	15.140	C
C-ABD	0	0	1170	0.000	0	0.0	0.0	0.000	A
C-D	37	9			37				
C-A	764	191			764				

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	492	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	215	0.000	0	0.0	0.0	0.000	A
A-BCD	6	1	480	0.011	5	0.0	0.0	7.592	A
A-B	0	0			0				

A-C	771	193			771				
D-ABC	30	7	202	0.147	29	0.1	0.2	20.853	C
C-ABD	0	0	1088	0.000	0	0.0	0.0	0.000	A
C-D	45	11			45				
C-A	936	234			936				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	492	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	215	0.000	0	0.0	0.0	0.000	A
A-BCD	6	1	480	0.011	6	0.0	0.0	7.592	A
A-B	0	0			0				
A-C	771	193			771				
D-ABC	30	7	202	0.147	30	0.2	0.2	20.918	C
C-ABD	0	0	1087	0.000	0	0.0	0.0	0.000	A
C-D	45	11			45				
C-A	936	234			936				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	529	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	277	0.000	0	0.0	0.0	0.000	A
A-BCD	4	1	529	0.009	5	0.0	0.0	6.868	A
A-B	0	0			0				
A-C	629	157			629				
D-ABC	24	6	262	0.093	25	0.2	0.1	15.192	C
C-ABD	0	0	1170	0.000	0	0.0	0.0	0.000	A
C-D	37	9			37				
C-A	764	191			764				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	556	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	323	0.000	0	0.0	0.0	0.000	A
A-BCD	4	0.94	564	0.007	4	0.0	0.0	6.423	A
A-B	0	0			0				
A-C	527	132			527				
D-ABC	20	5	305	0.067	20	0.1	0.1	12.670	B
C-ABD	0	0	1229	0.000	0	0.0	0.0	0.000	A
C-D	31	8			31				
C-A	640	160			640				

DM2 2037, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Stanifield Ln 4 Arm Site Access	Right-Left Stagger	Two-way	Two-way	Two-way	Two-way		0.83	A

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	9	Stream D-ABC	0.83	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D7	DM2 2037	AM	ONE HOUR	07:15	08:45	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	912	100.000
B		ONE HOUR	✓	0	100.000
C		ONE HOUR	✓	774	100.000
D		ONE HOUR	✓	54	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	0	910	2
	B	0	0	0	0
	C	753	3	0	18
	D	6	0	48	0

Vehicle Mix

Heavy Vehicle Percentages

	To				

		A	B	C	D
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.00	0.00	0.0	A	0	0
B-AD	0.00	0.00	0.0	A	0	0
A-BCD	0.00	7.01	0.0	A	2	3
A-B					0	0
A-C					835	1253
D-ABC	0.30	26.13	0.4	D	50	74
C-ABD	0.01	7.69	0.0	A	3	4
C-D					17	25
C-A					691	1036

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	512	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	293	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.38	589	0.003	1	0.0	0.0	6.126	A
A-B	0	0			0				
A-C	685	171			685				
D-ABC	41	10	302	0.135	40	0.0	0.2	13.715	B
C-ABD	2	0.56	565	0.004	2	0.0	0.0	6.394	A
C-D	14	3			14				
C-A	567	142			567				

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	476	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	242	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.45	558	0.003	2	0.0	0.0	6.468	A
A-B	0	0			0				
A-C	818	205			818				
D-ABC	49	12	258	0.188	48	0.2	0.2	17.119	C
C-ABD	3	0.67	526	0.005	3	0.0	0.0	6.881	A
C-D	16	4			16				
C-A	677	169			677				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	427	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	171	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.55	516	0.004	2	0.0	0.0	7.009	A
A-B	0	0			0				

A-C	1002	250			1002				
D-ABC	59	15	197	0.302	59	0.2	0.4	25.874	D
C-ABD	3	0.83	471	0.007	3	0.0	0.0	7.690	A
C-D	20	5			20				
C-A	829	207			829				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	427	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	171	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.55	516	0.004	2	0.0	0.0	7.009	A
A-B	0	0			0				
A-C	1002	250			1002				
D-ABC	59	15	197	0.302	59	0.4	0.4	26.135	D
C-ABD	3	0.83	471	0.007	3	0.0	0.0	7.693	A
C-D	20	5			20				
C-A	829	207			829				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	476	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	242	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.45	558	0.003	2	0.0	0.0	6.471	A
A-B	0	0			0				
A-C	818	205			818				
D-ABC	49	12	258	0.188	49	0.4	0.2	17.290	C
C-ABD	3	0.67	525	0.005	3	0.0	0.0	6.885	A
C-D	16	4			16				
C-A	677	169			677				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	511	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	293	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.38	589	0.003	2	0.0	0.0	6.128	A
A-B	0	0			0				
A-C	685	171			685				
D-ABC	41	10	302	0.135	41	0.2	0.2	13.812	B
C-ABD	2	0.56	565	0.004	2	0.0	0.0	6.397	A
C-D	14	3			14				
C-A	567	142			567				

DM2 2037, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Stanifield Ln 4 Arm Site Access	Right-Left Stagger	Two-way	Two-way	Two-way	Two-way		0.43	A

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	18	Stream D-ABC	0.43	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D8	DM2 2037	PM	ONE HOUR	16:15	17:45	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	678	100.000
B		ONE HOUR	✓	5	100.000
C		ONE HOUR	✓	931	100.000
D		ONE HOUR	✓	27	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	0	673	5
	B	1	0	4	0
	C	884	6	0	41
	D	3	0	24	0

Vehicle Mix

Heavy Vehicle Percentages

	To				

		A	B	C	D
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.01	7.28	0.0	A	4	6
B-AD	0.01	16.93	0.0	C	0.92	1
A-BCD	0.01	7.77	0.0	A	5	7
A-B					0	0
A-C					618	926
D-ABC	0.15	21.50	0.2	C	25	37
C-ABD	0.01	6.60	0.0	A	6	8
C-D					38	56
C-A					811	1217

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	3	0.75	561	0.005	3	0.0	0.0	6.448	A
B-AD	0.75	0.19	322	0.002	0.74	0.0	0.0	11.194	B
A-BCD	4	0.94	557	0.007	4	0.0	0.0	6.504	A
A-B	0	0			0				
A-C	507	127			507				
D-ABC	20	5	302	0.067	20	0.0	0.1	12.775	B
C-ABD	5	1	620	0.007	4	0.0	0.0	5.845	A
C-D	31	8			31				
C-A	666	166			666				

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	0.90	535	0.007	4	0.0	0.0	6.771	A
B-AD	0.90	0.22	277	0.003	0.90	0.0	0.0	13.048	B
A-BCD	4	1	520	0.009	4	0.0	0.0	6.980	A
A-B	0	0			0				
A-C	605	151			605				
D-ABC	24	6	258	0.094	24	0.1	0.1	15.386	C
C-ABD	5	1	592	0.009	5	0.0	0.0	6.139	A
C-D	37	9			37				
C-A	795	199			795				

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	1	499	0.009	4	0.0	0.0	7.275	A
B-AD	1	0.28	214	0.005	1	0.0	0.0	16.921	C
A-BCD	6	1	469	0.012	5	0.0	0.0	7.765	A
A-B	0	0			0				

A-C	741	185			741				
D-ABC	30	7	197	0.151	29	0.1	0.2	21.430	C
C-ABD	7	2	552	0.012	7	0.0	0.0	6.598	A
C-D	45	11			45				
C-A	973	243			973				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	1	499	0.009	4	0.0	0.0	7.276	A
B-AD	1	0.28	214	0.005	1	0.0	0.0	16.926	C
A-BCD	6	1	469	0.012	6	0.0	0.0	7.765	A
A-B	0	0			0				
A-C	741	185			741				
D-ABC	30	7	197	0.151	30	0.2	0.2	21.497	C
C-ABD	7	2	552	0.012	7	0.0	0.0	6.599	A
C-D	45	11			45				
C-A	973	243			973				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	0.90	535	0.007	4	0.0	0.0	6.775	A
B-AD	0.90	0.22	277	0.003	0.91	0.0	0.0	13.053	B
A-BCD	4	1	520	0.009	5	0.0	0.0	6.980	A
A-B	0	0			0				
A-C	605	151			605				
D-ABC	24	6	258	0.094	25	0.2	0.1	15.440	C
C-ABD	5	1	592	0.009	5	0.0	0.0	6.143	A
C-D	37	9			37				
C-A	795	199			795				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	3	0.75	561	0.005	3	0.0	0.0	6.452	A
B-AD	0.75	0.19	322	0.002	0.76	0.0	0.0	11.197	B
A-BCD	4	0.94	557	0.007	4	0.0	0.0	6.504	A
A-B	0	0			0				
A-C	507	127			507				
D-ABC	20	5	302	0.067	20	0.1	0.1	12.812	B
C-ABD	5	1	620	0.007	5	0.0	0.0	5.846	A
C-D	31	8			31				
C-A	666	166			666				

DS1 2032, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Stanifield Ln 4 Arm Site Access	Right-Left Stagger	Two-way	Two-way	Two-way	Two-way		0.90	A

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	13	Stream D-ABC	0.90	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D9	DS1 2032	AM	ONE HOUR	07:15	08:45	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	821	100.000
B		ONE HOUR	✓	0	100.000
C		ONE HOUR	✓	745	100.000
D		ONE HOUR	✓	61	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	0	819	2
	B	0	0	0	0
	C	726	0	0	19
	D	7	0	54	0

Vehicle Mix

Heavy Vehicle Percentages

	To				

		A	B	C	D
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.00	0.00	0.0	A	0	0
B-AD	0.00	0.00	0.0	A	0	0
A-BCD	0.00	6.90	0.0	A	2	3
A-B					0	0
A-C					752	1127
D-ABC	0.31	23.78	0.4	C	56	84
C-ABD	0.00	0.00	0.0	A	0	0
C-D					17	26
C-A					666	999

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	528	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	312	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.38	594	0.003	1	0.0	0.0	6.071	A
A-B	0	0			0				
A-C	617	154			617				
D-ABC	46	11	316	0.145	45	0.0	0.2	13.247	B
C-ABD	0	0	1166	0.000	0	0.0	0.0	0.000	A
C-D	14	4			14				
C-A	547	137			547				

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	495	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	265	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.45	565	0.003	2	0.0	0.0	6.395	A
A-B	0	0			0				
A-C	736	184			736				
D-ABC	55	14	276	0.199	55	0.2	0.2	16.267	C
C-ABD	0	0	1094	0.000	0	0.0	0.0	0.000	A
C-D	17	4			17				
C-A	653	163			653				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	450	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	199	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.55	524	0.004	2	0.0	0.0	6.904	A
A-B	0	0			0				

A-C	902	225			902				
D-ABC	67	17	218	0.307	66	0.2	0.4	23.558	C
C-ABD	0	0	995	0.000	0	0.0	0.0	0.000	A
C-D	21	5			21				
C-A	799	200			799				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	450	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	199	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.55	524	0.004	2	0.0	0.0	6.904	A
A-B	0	0			0				
A-C	902	225			902				
D-ABC	67	17	218	0.307	67	0.4	0.4	23.778	C
C-ABD	0	0	995	0.000	0	0.0	0.0	0.000	A
C-D	21	5			21				
C-A	799	200			799				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	495	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	265	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.45	565	0.003	2	0.0	0.0	6.395	A
A-B	0	0			0				
A-C	736	184			736				
D-ABC	55	14	276	0.199	56	0.4	0.3	16.419	C
C-ABD	0	0	1094	0.000	0	0.0	0.0	0.000	A
C-D	17	4			17				
C-A	653	163			653				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	528	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	312	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.38	594	0.003	2	0.0	0.0	6.071	A
A-B	0	0			0				
A-C	617	154			617				
D-ABC	46	11	316	0.145	46	0.3	0.2	13.345	B
C-ABD	0	0	1166	0.000	0	0.0	0.0	0.000	A
C-D	14	4			14				
C-A	547	137			547				

DS1 2032, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Stanifield Ln 4 Arm Site Access	Right-Left Stagger	Two-way	Two-way	Two-way	Two-way		0.40	A

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	21	Stream D-ABC	0.40	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D10	DS1 2032	PM	ONE HOUR	16:15	17:45	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	687	100.000
B		ONE HOUR	✓	0	100.000
C		ONE HOUR	✓	871	100.000
D		ONE HOUR	✓	29	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	0	681	6
	B	0	0	0	0
	C	826	0	0	45
	D	3	0	26	0

Vehicle Mix

Heavy Vehicle Percentages

	To				

		A	B	C	D
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.00	0.00	0.0	A	0	0
B-AD	0.00	0.00	0.0	A	0	0
A-BCD	0.01	7.51	0.0	A	6	8
A-B					0	0
A-C					625	937
D-ABC	0.15	20.32	0.2	C	27	40
C-ABD	0.00	0.00	0.0	A	0	0
C-D					41	62
C-A					758	1137

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	560	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	328	0.000	0	0.0	0.0	0.000	A
A-BCD	5	1	568	0.008	4	0.0	0.0	6.382	A
A-B	0	0			0				
A-C	513	128			513				
D-ABC	22	5	309	0.071	22	0.0	0.1	12.500	B
C-ABD	0	0	1236	0.000	0	0.0	0.0	0.000	A
C-D	34	8			34				
C-A	622	155			622				

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	533	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	284	0.000	0	0.0	0.0	0.000	A
A-BCD	5	1	534	0.010	5	0.0	0.0	6.813	A
A-B	0	0			0				
A-C	612	153			612				
D-ABC	26	7	267	0.097	26	0.1	0.1	14.900	B
C-ABD	0	0	1178	0.000	0	0.0	0.0	0.000	A
C-D	40	10			40				
C-A	743	186			743				

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	497	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	223	0.000	0	0.0	0.0	0.000	A
A-BCD	7	2	486	0.014	7	0.0	0.0	7.514	A
A-B	0	0			0				

A-C	750	187			750				
D-ABC	32	8	209	0.153	32	0.1	0.2	20.253	C
C-ABD	0	0	1098	0.000	0	0.0	0.0	0.000	A
C-D	50	12			50				
C-A	909	227			909				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	497	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	222	0.000	0	0.0	0.0	0.000	A
A-BCD	7	2	486	0.014	7	0.0	0.0	7.514	A
A-B	0	0			0				
A-C	750	187			750				
D-ABC	32	8	209	0.153	32	0.2	0.2	20.316	C
C-ABD	0	0	1098	0.000	0	0.0	0.0	0.000	A
C-D	50	12			50				
C-A	909	227			909				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	533	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	284	0.000	0	0.0	0.0	0.000	A
A-BCD	5	1	534	0.010	5	0.0	0.0	6.816	A
A-B	0	0			0				
A-C	612	153			612				
D-ABC	26	7	267	0.097	26	0.2	0.1	14.948	B
C-ABD	0	0	1178	0.000	0	0.0	0.0	0.000	A
C-D	40	10			40				
C-A	743	186			743				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	560	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	328	0.000	0	0.0	0.0	0.000	A
A-BCD	5	1	568	0.008	5	0.0	0.0	6.385	A
A-B	0	0			0				
A-C	513	128			513				
D-ABC	22	5	309	0.071	22	0.1	0.1	12.539	B
C-ABD	0	0	1236	0.000	0	0.0	0.0	0.000	A
C-D	34	8			34				
C-A	622	155			622				

DS2 2032, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Stanifield Ln 4 Arm Site Access	Right-Left Stagger	Two-way	Two-way	Two-way	Two-way		0.94	A

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	10	Stream D-ABC	0.94	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D11	DS2 2032	AM	ONE HOUR	07:15	08:45	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	887	100.000
B		ONE HOUR	✓	0	100.000
C		ONE HOUR	✓	753	100.000
D		ONE HOUR	✓	61	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	0	885	2
	B	0	0	0	0
	C	731	3	0	19
	D	7	0	54	0

Vehicle Mix

Heavy Vehicle Percentages

	To				

		A	B	C	D
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.00	0.00	0.0	A	0	0
B-AD	0.00	0.00	0.0	A	0	0
A-BCD	0.00	6.92	0.0	A	2	3
A-B					0	0
A-C					812	1218
D-ABC	0.32	25.73	0.5	D	56	84
C-ABD	0.01	7.60	0.0	A	3	4
C-D					17	26
C-A					671	1006

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	515	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	299	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.38	593	0.003	1	0.0	0.0	6.081	A
A-B	0	0			0				
A-C	666	167			666				
D-ABC	46	11	309	0.149	45	0.0	0.2	13.627	B
C-ABD	2	0.56	569	0.004	2	0.0	0.0	6.349	A
C-D	14	4			14				
C-A	550	138			550				

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	480	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	249	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.45	563	0.003	2	0.0	0.0	6.409	A
A-B	0	0			0				
A-C	796	199			796				
D-ABC	55	14	266	0.206	55	0.2	0.3	16.971	C
C-ABD	3	0.67	531	0.005	3	0.0	0.0	6.819	A
C-D	17	4			17				
C-A	657	164			657				

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	432	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	180	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.55	522	0.004	2	0.0	0.0	6.924	A
A-B	0	0			0				

A-C	974	244			974				
D-ABC	67	17	207	0.325	66	0.3	0.5	25.451	D
C-ABD	3	0.83	477	0.007	3	0.0	0.0	7.595	A
C-D	21	5			21				
C-A	805	201			805				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	432	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	180	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.55	522	0.004	2	0.0	0.0	6.924	A
A-B	0	0			0				
A-C	974	244			974				
D-ABC	67	17	207	0.325	67	0.5	0.5	25.730	D
C-ABD	3	0.83	477	0.007	3	0.0	0.0	7.598	A
C-D	21	5			21				
C-A	805	201			805				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	480	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	249	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.45	563	0.003	2	0.0	0.0	6.409	A
A-B	0	0			0				
A-C	796	199			796				
D-ABC	55	14	266	0.206	56	0.5	0.3	17.155	C
C-ABD	3	0.67	530	0.005	3	0.0	0.0	6.823	A
C-D	17	4			17				
C-A	657	164			657				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	0	0	515	0.000	0	0.0	0.0	0.000	A
B-AD	0	0	299	0.000	0	0.0	0.0	0.000	A
A-BCD	2	0.38	593	0.003	2	0.0	0.0	6.084	A
A-B	0	0			0				
A-C	666	167			666				
D-ABC	46	11	309	0.149	46	0.3	0.2	13.733	B
C-ABD	2	0.56	569	0.004	2	0.0	0.0	6.352	A
C-D	14	4			14				
C-A	550	138			550				

DS2 2032, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm visibility to right	Arm B - Minor arm geometry	Visibility to right expected to have two components if the arm has two lanes, or two lanes in a flared section.
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Stanifield Ln 4 Arm Site Access	Right-Left Stagger	Two-way	Two-way	Two-way	Two-way		0.46	A

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	20	Stream D-ABC	0.46	A

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D12	DS2 2032	PM	ONE HOUR	16:15	17:45	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	660	100.000
B		ONE HOUR	✓	5	100.000
C		ONE HOUR	✓	911	100.000
D		ONE HOUR	✓	29	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	0	654	6
	B	1	0	4	0
	C	860	6	0	45
	D	3	0	26	0

Vehicle Mix

Heavy Vehicle Percentages

	To				

		A	B	C	D
From	A	0	0	0	0
	B	0	0	0	0
	C	0	0	0	0
	D	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.01	7.21	0.0	A	4	6
B-AD	0.00	16.32	0.0	C	0.92	1
A-BCD	0.01	7.68	0.0	A	6	8
A-B					0	0
A-C					600	900
D-ABC	0.16	20.86	0.2	C	27	40
C-ABD	0.01	6.54	0.0	A	6	8
C-D					41	62
C-A					789	1184

Main Results for each time segment

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	3	0.75	564	0.005	3	0.0	0.0	6.410	A
B-AD	0.75	0.19	328	0.002	0.74	0.0	0.0	11.009	B
A-BCD	5	1	561	0.008	4	0.0	0.0	6.465	A
A-B	0	0			0				
A-C	492	123			492				
D-ABC	22	5	306	0.071	22	0.0	0.1	12.640	B
C-ABD	5	1	624	0.007	4	0.0	0.0	5.811	A
C-D	34	8			34				
C-A	647	162			647				

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	0.90	539	0.007	4	0.0	0.0	6.722	A
B-AD	0.90	0.22	283	0.003	0.90	0.0	0.0	12.751	B
A-BCD	5	1	525	0.010	5	0.0	0.0	6.926	A
A-B	0	0			0				
A-C	588	147			588				
D-ABC	26	7	264	0.099	26	0.1	0.1	15.138	C
C-ABD	5	1	596	0.009	5	0.0	0.0	6.095	A
C-D	40	10			40				
C-A	773	193			773				

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	1	504	0.009	4	0.0	0.0	7.205	A
B-AD	1	0.28	222	0.005	1	0.0	0.0	16.317	C
A-BCD	7	2	475	0.014	7	0.0	0.0	7.684	A
A-B	0	0			0				

A-C	720	180			720				
D-ABC	32	8	204	0.156	32	0.1	0.2	20.793	C
C-ABD	7	2	557	0.012	7	0.0	0.0	6.535	A
C-D	50	12			50				
C-A	947	237			947				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	1	504	0.009	4	0.0	0.0	7.206	A
B-AD	1	0.28	222	0.005	1	0.0	0.0	16.322	C
A-BCD	7	2	475	0.014	7	0.0	0.0	7.684	A
A-B	0	0			0				
A-C	720	180			720				
D-ABC	32	8	204	0.156	32	0.2	0.2	20.858	C
C-ABD	7	2	557	0.012	7	0.0	0.0	6.536	A
C-D	50	12			50				
C-A	947	237			947				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	4	0.90	539	0.007	4	0.0	0.0	6.723	A
B-AD	0.90	0.22	283	0.003	0.91	0.0	0.0	12.759	B
A-BCD	5	1	525	0.010	5	0.0	0.0	6.929	A
A-B	0	0			0				
A-C	588	147			588				
D-ABC	26	7	264	0.099	26	0.2	0.1	15.189	C
C-ABD	5	1	596	0.009	5	0.0	0.0	6.098	A
C-D	40	10			40				
C-A	773	193			773				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	3	0.75	564	0.005	3	0.0	0.0	6.414	A
B-AD	0.75	0.19	328	0.002	0.76	0.0	0.0	11.013	B
A-BCD	5	1	561	0.008	5	0.0	0.0	6.467	A
A-B	0	0			0				
A-C	492	123			492				
D-ABC	22	5	306	0.071	22	0.1	0.1	12.677	B
C-ABD	5	1	624	0.007	5	0.0	0.0	5.814	A
C-D	34	8			34				
C-A	647	162			647				