Main Results for each time segment

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-AC	154	38	339	0.454	150	0.0	0.8	19.825	C
C-AB	41	10	498	0.082	40	0.0	0.1	7.941	A
C-A	453	113			453				
A-B	29	7			29				
A-C	663	166			663				

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-AC	183	46	292	0.629	180	0.8	1.6	33.128	D
C-AB	49	12	465	0.104	48	0.1	0.1	8.717	A
C-A	541	135			541				
A-B	35	9			35				
A-C	791	198			791				

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-AC	225	56	225	0.997	202	1.6	7.4	110.303	F
C-AB	59	15	421	0.141	59	0.1	0.2	10.056	B
C-A	663	166			663				
A-B	43	11			43				
A-C	969	242			969				

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-AC	225	56	225	0.997	212	7.4	10.4	172.044	F
C-AB	59	15	421	0.141	59	0.2	0.2	10.066	B
C-A	663	166			663				
A-B	43	11			43				
A-C	969	242			969				

08:45 - 09:00

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-AC	183	46	292	0.629	217	10.4	2.0	64.899	F
C-AB	49	12	465	0.104	49	0.2	0.1	8.730	A
C-A	541	135			541				
A-B	35	9			35				
A-C	791	198			791				

09:00 - 09:15

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-AC	154	38	338	0.454	158	2.0	0.9	21.510	C
C-AB	41	10	498	0.082	41	0.1	0.1	7.956	A
C-A	453	113			453				
A-B	29	7			29				
A-C	663	166			663				

Future Year Flows - 2025 Ass. Flows - Sensitivity Test, PM Saturn Peak

Data Errors and Warnings

No errors or warnings

Analysis Set Details

ID	Name	Include in report	Use specific Demand Set(s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A2	Future Year Flows	✓	✓	D3,D4,D5,D6,D7,D8,D9,D10,D11,D12,D13,D14	100.000	100.000

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Broadoak Ln/A259 Little Common Rd Priority Jun	T-Junction	Two-way		5.79	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	A259 Little Common Rd (W)		Major
B	Broadoak Ln		Minor
C	A259 Little Common Rd (E)		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Width for right turn (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C - A259 Little Common Rd (E)	7.45		✓	3.00	65.0	✓	10.00

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)	Visibility to left (m)	Visibility to right (m)
B - Broadoak Ln	One lane	3.67	39	31

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	539	0.092	0.233	0.146	0.332
1	B-C	686	0.099	0.249	-	-
1	C-B	665	0.241	0.241	-	-

The slopes and intercepts shown above do NOT include any corrections or adjustments.

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
D12	2025 Ass. Flows - Sensitivity Test	PM Saturn Peak	ONE HOUR	16:45	18:15	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 - A259 Little Common Rd (W)		ONE HOUR	✓	1075	100.000
B - Broadoak Ln		ONE HOUR	✓	141	100.000
C - A259 Little Common Rd (E)		ONE HOUR	✓	795	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A - A259 Little Common Rd (W)	B - Broadoak Ln	C - A259 Little Common Rd (E)
From	A - A259 Little Common Rd (W)	0	79	996
	B - Broadoak Ln	60	0	81
	C - A259 Little Common Rd (E)	678	117	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A - A259 Little Common Rd (W)	B - Broadoak Ln	C - A259 Little Common Rd (E)
From	A - A259 Little Common Rd (W)	0	6	5
	B - Broadoak Ln	13	0	0
	C - A259 Little Common Rd (E)	5	1	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-AC	0.76	70.50	2.8	F	129	194
C-AB	0.34	14.52	0.5	B	107	161
C-A					622	933
A-B					72	109
A-C					914	1371

Main Results for each time segment

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-AC	106	27	353	0.300	104	0.0	0.4	15.100	C
C-AB	88	22	470	0.188	87	0.0	0.2	9.487	A
C-A	510	128			510				
A-B	59	15			59				
A-C	750	187			750				

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-AC	127	32	295	0.429	125	0.4	0.8	22.124	C
C-AB	105	26	432	0.244	105	0.2	0.3	11.114	B
C-A	610	152			610				
A-B	71	18			71				
A-C	895	224			895				

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-AC	155	39	206	0.754	148	0.8	2.5	59.749	F
C-AB	129	32	379	0.340	128	0.3	0.5	14.435	B
C-A	746	187			746				
A-B	87	22			87				
A-C	1097	274			1097				

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-AC	155	39	205	0.756	154	2.5	2.8	70.501	F
C-AB	129	32	379	0.340	129	0.5	0.5	14.517	B
C-A	746	187			746				
A-B	87	22			87				
A-C	1097	274			1097				

17:45 - 18:00

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-AC	127	32	295	0.430	135	2.8	0.8	24.680	C
C-AB	105	26	432	0.244	106	0.5	0.3	11.187	B
C-A	610	152			610				
A-B	71	18			71				
A-C	895	224			895				

18:00 - 18:15

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-AC	106	27	353	0.301	108	0.8	0.5	15.514	C
C-AB	88	22	470	0.188	88	0.3	0.2	9.552	A
C-A	510	128			510				
A-B	59	15			59				
A-C	750	187			750				

Future Year Flows - 2031 Ass. Flows - Sensitivity Test, AM Saturn Peak

Data Errors and Warnings

Severity	Area	Item	Description
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.

Analysis Set Details

ID	Name	Include in report	Use specific Demand Set(s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A2	Future Year Flows	✓	✓	D3,D4,D5,D6,D7,D8,D9,D10,D11,D12,D13,D14	100.000	100.000

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Broadoak Ln/A259 Little Common Rd Priority Jun	T-Junction	Two-way		35.56	E

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	A259 Little Common Rd (W)		Major
B	Broadoak Ln		Minor
C	A259 Little Common Rd (E)		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Width for right turn (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C - A259 Little Common Rd (E)	7.45		✓	3.00	65.0	✓	10.00

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)	Visibility to left (m)	Visibility to right (m)
B - Broadoak Ln	One lane	3.67	39	31

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	539	0.092	0.233	0.146	0.332
1	B-C	686	0.099	0.249	-	-
1	C-B	665	0.241	0.241	-	-

The slopes and intercepts shown above do NOT include any corrections or adjustments.

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
D13	2031 Ass. Flows - Sensitivity Test	AM Saturn Peak	ONE HOUR	07:45	09:15	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 - A259 Little Common Rd (W)		ONE HOUR	✓	970	100.000
B - Broadoak Ln		ONE HOUR	✓	214	100.000
C - A259 Little Common Rd (E)		ONE HOUR	✓	694	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A - A259 Little Common Rd (W)	B - Broadoak Ln	C - A259 Little Common Rd (E)
From	A - A259 Little Common Rd (W)	0	41	929
	B - Broadoak Ln	159	0	55
	C - A259 Little Common Rd (E)	637	57	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A - A259 Little Common Rd (W)	B - Broadoak Ln	C - A259 Little Common Rd (E)
From	A - A259 Little Common Rd (W)	0	0	0
	B - Broadoak Ln	0	0	0
	C - A259 Little Common Rd (E)	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-AC	1.15	309.25	20.9	F	196	295
C-AB	0.15	10.45	0.2	B	52	78
C-A					585	877
A-B					38	56
A-C					852	1279

Main Results for each time segment

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-AC	161	40	325	0.495	157	0.0	0.9	20.998	C
C-AB	43	11	489	0.088	43	0.0	0.1	8.064	A
C-A	480	120			480				
A-B	31	8			31				
A-C	699	175			699				

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-AC	192	48	276	0.698	188	0.9	2.0	39.257	E
C-AB	51	13	454	0.113	51	0.1	0.1	8.923	A
C-A	573	143			573				
A-B	37	9			37				
A-C	835	209			835				

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-AC	236	59	205	1.151	194	2.0	12.5	168.217	F
C-AB	63	16	407	0.154	63	0.1	0.2	10.442	B
C-A	701	175			701				
A-B	45	11			45				
A-C	1023	256			1023				

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-AC	236	59	205	1.151	202	12.5	20.9	309.247	F
C-AB	63	16	407	0.154	63	0.2	0.2	10.454	B
C-A	701	175			701				
A-B	45	11			45				
A-C	1023	256			1023				

08:45 - 09:00

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-AC	192	48	275	0.698	262	20.9	3.6	182.682	F
C-AB	51	13	454	0.113	51	0.2	0.1	8.938	A
C-A	573	143			573				
A-B	37	9			37				
A-C	835	209			835				

09:00 - 09:15

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-AC	161	40	325	0.495	171	3.6	1.0	24.822	C
C-AB	43	11	489	0.088	43	0.1	0.1	8.083	A
C-A	480	120			480				
A-B	31	8			31				
A-C	699	175			699				

Future Year Flows - 2031 Ass. Flows - Sensitivity Test, PM Saturn Peak

Data Errors and Warnings

Severity	Area	Item	Description
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.

Analysis Set Details

ID	Name	Include in report	Use specific Demand Set(s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A2	Future Year Flows	✓	✓	D3,D4,D5,D6,D7,D8,D9,D10,D11,D12,D13,D14	100.000	100.000

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Broadoak Ln/A259 Little Common Rd Priority Jun	T-Junction	Two-way		11.61	B

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	A259 Little Common Rd (W)		Major
B	Broadoak Ln		Minor
C	A259 Little Common Rd (E)		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Width for right turn (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C - A259 Little Common Rd (E)	7.45		✓	3.00	65.0	✓	10.00

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)	Visibility to left (m)	Visibility to right (m)
B - Broadoak Ln	One lane	3.67	39	31

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	539	0.092	0.233	0.146	0.332
1	B-C	686	0.099	0.249	-	-
1	C-B	665	0.241	0.241	-	-

The slopes and intercepts shown above do NOT include any corrections or adjustments.

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
D14	2031 Ass. Flows - Sensitivity Test	PM Saturn Peak	ONE HOUR	16:45	18:15	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 - A259 Little Common Rd (W)		ONE HOUR	✓	1137	100.000
B - Broadoak Ln		ONE HOUR	✓	149	100.000
C - A259 Little Common Rd (E)		ONE HOUR	✓	841	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A - A259 Little Common Rd (W)	B - Broadoak Ln	C - A259 Little Common Rd (E)
From	A - A259 Little Common Rd (W)	0	82	1055
	B - Broadoak Ln	63	0	86
	C - A259 Little Common Rd (E)	717	124	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A - A259 Little Common Rd (W)	B - Broadoak Ln	C - A259 Little Common Rd (E)
From	A - A259 Little Common Rd (W)	0	0	0
	B - Broadoak Ln	0	0	0
	C - A259 Little Common Rd (E)	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-AC	0.94	152.48	6.6	F	137	205
C-AB	0.38	15.91	0.6	C	114	171
C-A					658	987
A-B					75	113
A-C					968	1452

Main Results for each time segment

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-AC	112	28	337	0.333	110	0.0	0.5	15.745	C
C-AB	93	23	458	0.204	92	0.0	0.3	9.812	A
C-A	540	135			540				
A-B	62	15			62				
A-C	794	199			794				

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-AC	134	33	274	0.489	132	0.5	0.9	25.107	D
C-AB	111	28	418	0.267	111	0.3	0.4	11.705	B
C-A	645	161			645				
A-B	74	18			74				
A-C	948	237			948				

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-AC	164	41	174	0.942	148	0.9	5.0	103.316	F
C-AB	137	34	363	0.376	136	0.4	0.6	15.784	C
C-A	789	197			789				
A-B	90	23			90				
A-C	1162	290			1162				

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-AC	164	41	174	0.944	157	5.0	6.6	152.482	F
C-AB	137	34	363	0.376	137	0.6	0.6	15.905	C
C-A	789	197			789				
A-B	90	23			90				
A-C	1162	290			1162				

17:45 - 18:00

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-AC	134	33	273	0.490	156	6.6	1.0	35.869	E
C-AB	111	28	418	0.267	112	0.6	0.4	11.806	B
C-A	645	161			645				
A-B	74	18			74				
A-C	948	237			948				

18:00 - 18:15

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-AC	112	28	337	0.333	114	1.0	0.5	16.327	C
C-AB	93	23	458	0.204	94	0.4	0.3	9.889	A
C-A	540	135			540				
A-B	62	15			62				
A-C	794	199			794				

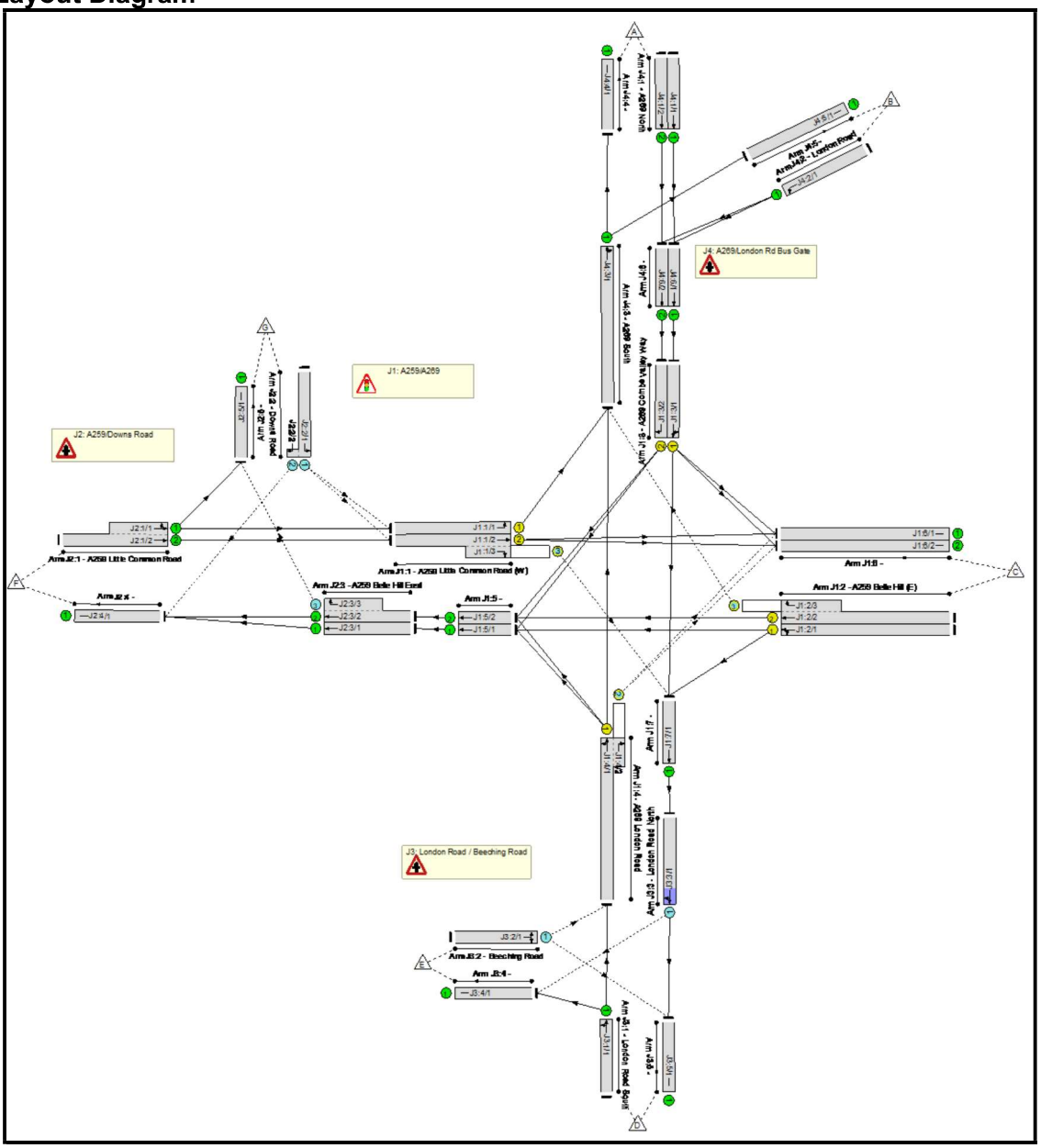
Appendix H – Assessment Output: Junction 7

Full Input Data And Results

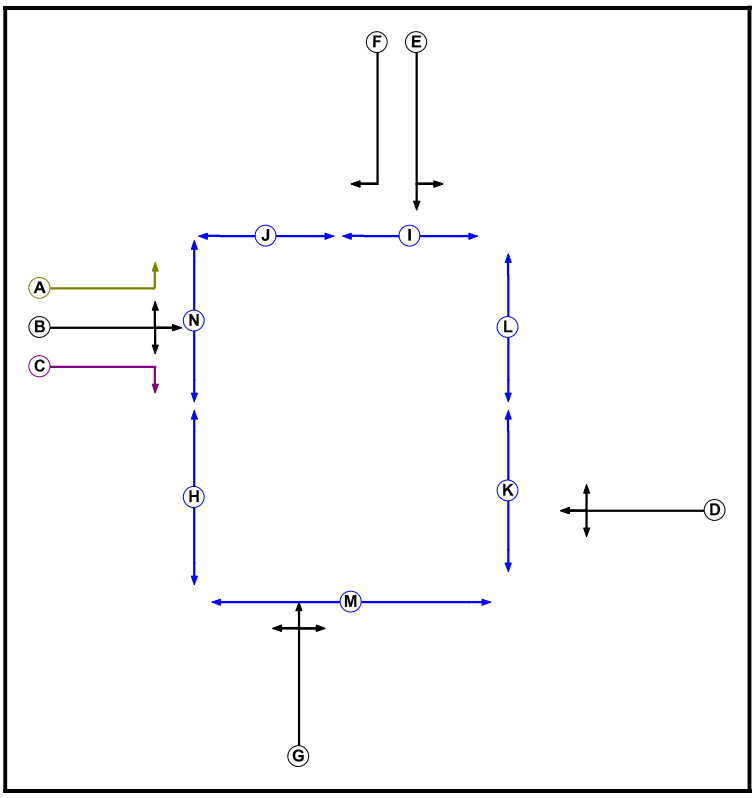
User and Project Details

Project:	**A115791 Bexhill, Fryatt Way**
Title:	**A259/A269 Existing Layout**
Location:	
Additional detail:	Approved LinSig Model of the Existing Layout - Bexhill Leisure Destination
File name:	Accepted LinSig Model - Existing Layout (Bexhill Leisure Destination) + Picady Values - June 2022.lsg3x
Author:	
Company:	
Address:	

Network Layout Diagram



Phase Diagram



Phase Input Data

Phase Name	Phase Type	Assoc. Phase	Street Min	Cont Min
A	Filter	B	3	0
B	Traffic		7	7
C	Ind. Arrow	B	4	4
D	Traffic		7	7
E	Traffic		7	7
F	Traffic		7	7
G	Traffic		7	7
H	Pedestrian		4	4
I	Pedestrian		4	4
J	Pedestrian		4	4
K	Pedestrian		4	4
L	Pedestrian		4	4
M	Pedestrian		4	4
N	Pedestrian		4	4

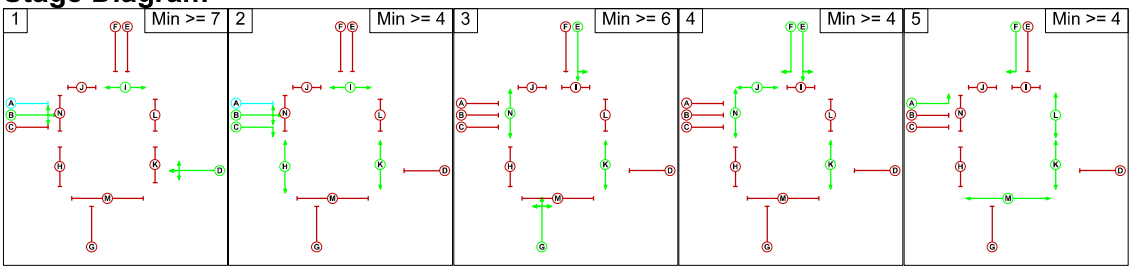
Phase Intergreens Matrix

Terminating Phase \ Starting Phase	A	B	C	D	E	F	G	H	I	J	K	L	M	N
A		-	-	-	-	-	7	-	-	8	-	-	-	5
B	-		-	-	8	6	7	-	-	8	-	9	10	5
C	-	-		6	5	5	7	-	-	-	-	-	9	5
D	-	-	5		5	5	8	9	-	9	5	-	7	-
E	-	5	5	7		-	-	-	5	-	-	7	9	-
F	-	5	5	5	-		6	9	5	-	-	-	-	-
G	7	7	6	5	-	8		8	-	10	-	12	5	-
H	-	-	-	4	-	4	4		-	-	-	-	-	-
I	-	-	-	-	0	0	-	-		-	-	-	-	-
J	0	0	-	0	-	-	0	-	-		-	-	-	-
K	-	-	-	0	-	-	-	-	-	-		-	-	-
L	-	0	-	-	0	-	0	-	-	-	-		-	-
M	-	0	0	0	0	-	0	-	-	-	-	-		-
N	0	0	0	-	-	-	-	-	-	-	-	-	-	

Phases in Stage

Stage No.	Phases in Stage
1	B D I
2	B C H I K
3	E G K N
4	E F J K N
5	A F K L M

Stage Diagram



Phase Delays

Term. Stage	Start Stage	Phase	Type	Value	Cont value
1	3	G	Gaining absolute	6	6
2	3	G	Gaining absolute	6	6
2	4	F	Gaining absolute	6	6

Prohibited Stage Change

		To Stage				
		1	2	3	4	5
From Stage	1		9	8	9	10
	2	X		8	8	10
	3	7	X		10	12
	4	7	9	6		9
	5	5	9	X	X	

Give-Way Lane Input Data

Junction: J1: A259/A269

Lane	Movement	Max Flow when Giving Way (PCU/Hr)	Min Flow when Giving Way (PCU/Hr)	Opposing Lane	Opp. Lane Coeff.	Opp. Mvmnts.	Right Turn Storage (PCU)	Non-Blocking Storage (PCU)	RTF	Right Turn Move up (s)	Max Turns in Intergreen (PCU)
J1:1/3 (A259 Little Common Road (W))	J1:7/1 (Right)	1439	0	J1:2/1	1.09	All	4.80	-	0.50	5	3.00
				J1:2/2	1.09	All					
J1:2/3 (A259 Belle Hill (E))	J4:3/1 (Right)	1439	0	J1:1/1	1.09	All	4.80	-	0.50	5	3.00
				J1:1/2	1.09	All					
J1:4/2 (A269 London Road)	J1:6/1 (Right)	1439	0	J1:3/1	1.09	All	4.30	-	0.50	4	4.30
	J1:6/2 (Right)	1439	0	J1:3/1	1.09	All					

Junction: J2: A259/Downs Road

Lane	Movement	Max Flow when Giving Way (PCU/Hr)	Min Flow when Giving Way (PCU/Hr)	Opposing Lane	Opp. Lane Coeff.	Opp. Mvmnts.	Right Turn Storage (PCU)	Non-Blocking Storage (PCU)	RTF	Right Turn Move up (s)	Max Turns in Intergreen (PCU)
J2:2/1 (Downs Road)	J1:1/1 (Left)	764	0	J2:1/1	0.18	To J1:1/1 (Ahead)	-	-	-	-	-
				J2:1/2	0.18	All					
	J1:1/2 (Left)	764	0	J2:1/1	0.18	To J1:1/1 (Ahead)					
				J2:2/2	0.18	All					
J2:2/2 (Downs Road)	J2:4/1 (Right)	531	0	J2:1/1	0.15	To J1:1/1 (Ahead)	-	-	-	-	-
				J2:1/2	0.15	All					
				J2:3/3	0.22	All					
				J2:3/2	0.10	All					
				J2:3/1	0.10	All					
J2:3/3 (A259 Belle Hill East)	J2:5/1 (Right)	746	0	J2:1/2	0.18	All	-	-	-	-	-
				J2:1/1	0.18	All					

Junction: J3: London Road / Beeching Road

Lane	Movement	Max Flow when Giving Way (PCU/Hr)	Min Flow when Giving Way (PCU/Hr)	Opposing Lane	Opp. Lane Coeff.	Opp. Mvmnts.	Right Turn Storage (PCU)	Non-Blocking Storage (PCU)	RTF	Right Turn Move up (s)	Max Turns in Intergreen (PCU)
J3:2/1 (Beeching Road)	J1:4/1 (Left)	661	0	J3:1/1	0.22	To J1:4/1 (Ahead)	-	-	-	-	-
	J3:5/1 (Right)	522	0	J3:1/1	0.21	To J1:4/1 (Ahead)					
				J3:3/1	0.13	All					
J3:3/1 (London Road North)	J3:4/1 (Right)	636	0	J3:1/1	0.21	All	-	-	-	-	-

Junction: J4: A269/London Rd Bus Gate

There are no Opposed Lanes in this Junction

Lane Input Data

Junction: J1: A259/A269

Lane	Lane Type	Phases	Start Disp.	End Disp.	Physical Length (PCU)	Sat Flow Type	Def User Saturation Flow (PCU/Hr)	Lane Width (m)	Gradient	Nearside Lane	Turns	Turning Radius (m)
J1:1/1 (A259 Little Common Road (W))	U	B A	2	3	7.0	Geom	-	3.60	0.00	Y	Arm J4:3 Left	15.00
J1:1/2 (A259 Little Common Road (W))	U	B	2	3	7.0	Geom	-	3.75	0.00	N	Arm J1:6 Ahead	Inf
J1:1/3 (A259 Little Common Road (W))	O	B C	2	3	5.6	Geom	-	3.75	0.00	N	Arm J1:7 Right	15.00
J1:2/1 (A259 Belle Hill (E))	U	D	2	3	60.0	Geom	-	3.30	0.00	Y	Arm J1:5 Ahead	Inf
											Arm J1:7 Left	10.00
J1:2/2 (A259 Belle Hill (E))	U	D	2	3	60.0	Geom	-	3.30	0.00	N	Arm J1:5 Ahead	Inf
J1:2/3 (A259 Belle Hill (E))	O	D	2	3	7.5	Geom	-	3.30	0.00	N	Arm J4:3 Right	15.00
J1:3/1 (A269 Combe Valley Way)	U	E	2	3	5.9	Geom	-	3.50	0.00	Y	Arm J1:6 Left	18.00
											Arm J1:7 Ahead	Inf
J1:3/2 (A269 Combe Valley Way)	U	F	2	3	5.0	Geom	-	3.75	0.00	N	Arm J1:5 Right	15.00
J1:4/1 (A269 London Road)	U	G	2	3	3.7	Geom	-	2.75	0.00	Y	Arm J1:5 Left	17.00
											Arm J4:3 Ahead	Inf
J1:4/2 (A269 London Road)	O	G	2	3	3.7	Geom	-	2.75	0.00	N	Arm J1:6 Right	16.00
J1:5/1	U		2	3	60.0	Inf	-	-	-	-	-	-
J1:5/2	U		2	3	60.0	Inf	-	-	-	-	-	-
J1:6/1	U		2	3	60.0	Inf	-	-	-	-	-	-
J1:6/2	U		2	3	60.0	Inf	-	-	-	-	-	-
J1:7/1	U		2	3	60.0	Inf	-	-	-	-	-	-

Junction: J2: A259/Downs Road

Lane	Lane Type	Phases	Start Disp.	End Disp.	Physical Length (PCU)	Sat Flow Type	Def User Saturation Flow (PCU/Hr)	Lane Width (m)	Gradient	Nearside Lane	Turns	Turning Radius (m)
J2:1/1 (A259 Little Common Road)	U		2	3	7.3	Geom	-	3.50	0.00	Y	Arm J1:1 Ahead	Inf
											Arm J2:5 Left	11.00
J2:1/2 (A259 Little Common Road)	U		2	3	60.0	Geom	-	3.50	0.00	Y	Arm J1:1 Ahead	Inf
J2:2/1 (Downs Road)	O		2	3	60.0	Geom	-	4.00	0.00	Y	Arm J1:1 Left	11.00
J2:2/2 (Downs Road)	O		2	3	1.0	Geom	-	2.50	0.00	N	Arm J2:4 Right	11.00
J2:3/1 (A259 Belle Hill East)	U		2	3	60.0	Geom	-	3.35	0.00	Y	Arm J2:4 Ahead	Inf
J2:3/2 (A259 Belle Hill East)	U		2	3	60.0	Geom	-	3.30	0.00	N	Arm J2:4 Ahead	Inf
J2:3/3 (A259 Belle Hill East)	O		2	3	7.3	Geom	-	2.60	0.00	N	Arm J2:5 Right	6.00
J2:4/1	U		2	3	60.0	Inf	-	-	-	-	-	-
J2:5/1	U		2	3	60.0	Inf	-	-	-	-	-	-

Junction: J3: London Road / Beeching Road

Lane	Lane Type	Phases	Start Disp.	End Disp.	Physical Length (PCU)	Sat Flow Type	Def User Saturation Flow (PCU/Hr)	Lane Width (m)	Gradient	Nearside Lane	Turns	Turning Radius (m)
J3:1/1 (London Road South)	U		2	3	60.0	Geom	-	3.80	0.00	Y	Arm J1:4 Ahead	Inf
											Arm J3:4 Left	9.00
J3:2/1 (Beeching Road)	O		2	3	60.0	Geom	-	3.85	0.00	Y	Arm J1:4 Left	8.00
											Arm J3:5 Right	5.00
J3:3/1 (London Road North)	O		2	3	5.0	Geom	-	3.95	0.00	Y	Arm J3:4 Right	6.00
											Arm J3:5 Ahead	Inf
J3:4/1	U		2	3	60.0	Inf	-	-	-	-	-	-
J3:5/1	U		2	3	60.0	Inf	-	-	-	-	-	-

Junction: J4: A269/London Rd Bus Gate

Lane	Lane Type	Phases	Start Disp.	End Disp.	Physical Length (PCU)	Sat Flow Type	Def User Saturation Flow (PCU/Hr)	Lane Width (m)	Gradient	Nearside Lane	Turns	Turning Radius (m)
J4:1/1 (A269 North)	U		2	3	60.0	Inf	-	-	-	-	-	-
J4:1/2 (A269 North)	U		2	3	60.0	Inf	-	-	-	-	-	-
J4:2/1 (London Road)	U		2	3	60.0	Inf	-	-	-	-	-	-
J4:3/1 (A269 South)	U		2	3	60.0	Inf	-	-	-	-	-	-
J4:4/1	U		2	3	60.0	Inf	-	-	-	-	-	-
J4:5/1	U		2	3	60.0	Inf	-	-	-	-	-	-
J4:6/1	U		2	3	60.0	Inf	-	-	-	-	-	-
J4:6/2	U		2	3	60.0	Inf	-	-	-	-	-	-

Traffic Flow Groups

Flow Group	Start Time	End Time	Duration	Formula
1: '2018 Surveyed Flows (Extracted from Prime TA) - AM Peak'	08:00	09:00	01:00	
2: '2018 Surveyed Flows (Extracted from Prime TA) - PM peak'	17:00	18:00	01:00	
3: '2025 Baseline Flows - AM Peak'	08:00	09:00	01:00	
4: '2025 Baseline Flows - PM Peak'	17:00	18:00	01:00	
5: '2025 Assessment Flows - AM Peak'	08:00	09:00	01:00	
6: '2025 Assessment Flows - PM Peak'	17:00	18:00	01:00	
7: '2031 Baseline Flows - AM Peak'	08:00	09:00	01:00	
8: '2031 Baseline Flows - PM Peak'	17:00	18:00	01:00	
9: '2031 Assessment Flows - AM Peak'	08:00	09:00	01:00	
10: '2031 Assessment Flows - PM Peak'	17:00	18:00	01:00	
11: '2025 Assessment Flows - AM Peak - Sensitivity Test'	08:00	09:00	01:00	
12: '2025 Assessment Flows - PM Peak - Sensitivity Test'	17:00	18:00	01:00	
13: '2031 Assessment Flows - AM Peak - Sensitivity Test'	08:00	09:00	01:00	
14: '2031 Assessment Flows - PM Peak - Sensitivity Test'	17:00	18:00	01:00	

Scenario 1: '2018 Surveyed - Validation - AM Peak' (FG1: '2018 Surveyed Flows (Extracted from Prime TA) - AM Peak', Plan 1: 'Capture Double')

Traffic Flows, Desired

Desired Flow :

		Destination							
		A	B	C	D	E	F	G	Tot.
Origin	A	0	0	64	244	204	435	29	976
	B	0	0	1	9	0	0	0	10
	C	32	0	0	42	76	459	67	676
	D	166	10	39	0	14	51	63	343
	E	87	0	35	12	0	28	3	165
	F	355	0	436	83	42	0	25	941
	G	62	0	38	69	12	16	0	197
	Tot.	702	10	613	459	348	989	187	3308

Traffic Lane Flows

Lane	Scenario 1: 2018 Surveyed - Validation - AM Peak
Junction: J1: A259/A269	
J1:1/1	417
J1:1/2 (with short)	680(In) 474(Out)
J1:1/3 (short)	206
J1:2/1	306
J1:2/2 (with short)	370(In) 338(Out)
J1:2/3 (short)	32
J1:3/1	522
J1:3/2	464
J1:4/1 (with short)	482(In) 408(Out)
J1:4/2 (short)	74
J1:5/1	702
J1:5/2	433
J1:6/1	308
J1:6/2	305
J1:7/1	781
Junction: J2: A259/Downs Road	
J2:1/1 (short)	380
J2:1/2 (with short)	941(In) 561(Out)
J2:2/1 (with short)	197(In) 181(Out)
J2:2/2 (short)	16
J2:3/1	702
J2:3/2 (with short)	433(In) 271(Out)
J2:3/3 (short)	162
J2:4/1	989
J2:5/1	187
Junction: J3: London Road / Beeching Road	
J3:1/1	343
J3:2/1	165
J3:3/1	781
J3:4/1	348
J3:5/1	459
Junction: J4: A269/London Rd Bus Gate	
J4:1/1	512

J4:1/2	464
J4:2/1	10
J4:3/1	712
J4:4/1	702
J4:5/1	10
J4:6/1	522
J4:6/2	464

Lane Saturation Flows

Junction: J1: A259/A269

Lane	Lane Width (m)	Gradient	Nearside Lane	Allowed Turns	Turning Radius (m)	Turning Prop.	Sat Flow (PCU/Hr)	Flared Sat Flow (PCU/Hr)
J1:1/1 (A259 Little Common Road (W))	3.60	0.00	Y	Arm J4:3 Left	15.00	100.0 %	1795	1795
J1:1/2 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:6 Ahead	Inf	100.0 %	2130	2130
J1:1/3 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:7 Right	15.00	100.0 %	1936	1936
J1:2/1 (A259 Belle Hill (E))	3.30	0.00	Y	Arm J1:5 Ahead	Inf	61.4 %	1839	1839
				Arm J1:7 Left	10.00	38.6 %		
J1:2/2 (A259 Belle Hill (E))	3.30	0.00	N	Arm J1:5 Ahead	Inf	100.0 %	2085	2085
J1:2/3 (A259 Belle Hill (E))	3.30	0.00	N	Arm J4:3 Right	15.00	100.0 %	1895	1895
J1:3/1 (A269 Combe Valley Way)	3.50	0.00	Y	Arm J1:6 Left	18.00	12.5 %	1945	1945
				Arm J1:7 Ahead	Inf	87.5 %		
J1:3/2 (A269 Combe Valley Way)	3.75	0.00	N	Arm J1:5 Right	15.00	100.0 %	1936	1936
J1:4/1 (A269 London Road)	2.75	0.00	Y	Arm J1:5 Left	17.00	35.5 %	1833	1833
				Arm J4:3 Ahead	Inf	64.5 %		
J1:4/2 (A269 London Road)	2.75	0.00	N	Arm J1:6 Right	16.00	100.0 %	1856	1856
J1:5/1	Infinite Saturation Flow						Inf	Inf
J1:5/2	Infinite Saturation Flow						Inf	Inf
J1:6/1	Infinite Saturation Flow						Inf	Inf
J1:6/2	Infinite Saturation Flow						Inf	Inf
J1:7/1	Infinite Saturation Flow						Inf	Inf

Junction: J2: A259/Downs Road								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J2:1/1 (A259 Little Common Road)	3.50	0.00	Y	Arm J1:1 Ahead	Inf	93.4 %	1948	1948
				Arm J2:5 Left	11.00	6.6 %		
J2:1/2 (A259 Little Common Road)	3.50	0.00	Y	Arm J1:1 Ahead	Inf	100.0 %	1965	1965
J2:2/1 (Downs Road)	4.00	0.00	Y	Arm J1:1 Left	11.00	100.0 %	1773	1773
J2:2/2 (Downs Road)	2.50	0.00	N	Arm J2:4 Right	11.00	100.0 %	1764	1764
J2:3/1 (A259 Belle Hill East)	3.35	0.00	Y	Arm J2:4 Ahead	Inf	100.0 %	1950	1950
J2:3/2 (A259 Belle Hill East)	3.30	0.00	N	Arm J2:4 Ahead	Inf	100.0 %	2085	2085
J2:3/3 (A259 Belle Hill East)	2.60	0.00	N	Arm J2:5 Right	6.00	100.0 %	1612	1612
J2:4/1	Infinite Saturation Flow						Inf	Inf
J2:5/1	Infinite Saturation Flow						Inf	Inf

Junction: J3: London Road / Beeching Road								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J3:1/1 (London Road South)	3.80	0.00	Y	Arm J1:4 Ahead	Inf	95.9 %	1982	1982
				Arm J3:4 Left	9.00	4.1 %		
J3:2/1 (Beeching Road)	3.85	0.00	Y	Arm J1:4 Left	8.00	92.7 %	1673	1673
				Arm J3:5 Right	5.00	7.3 %		
J3:3/1 (London Road North)	3.95	0.00	Y	Arm J3:4 Right	6.00	42.8 %	1816	1816
				Arm J3:5 Ahead	Inf	57.2 %		
J3:4/1	Infinite Saturation Flow						Inf	Inf
J3:5/1	Infinite Saturation Flow						Inf	Inf

Junction: J4: A269/London Rd Bus Gate								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J4:1/1 (A269 North Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:1/2 (A269 North Lane 2)	Infinite Saturation Flow						Inf	Inf
J4:2/1 (London Road Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:3/1 (A269 South Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:4/1	Infinite Saturation Flow						Inf	Inf
J4:5/1	Infinite Saturation Flow						Inf	Inf
J4:6/1	Infinite Saturation Flow						Inf	Inf
J4:6/2	Infinite Saturation Flow						Inf	Inf

Scenario 2: '2018 Surveyed - Validation - PM Peak' (FG2: '2018 Surveyed Flows (Extracted from Prime TA) - PM peak', Plan 1: 'Capture Double')

Traffic Flows, Desired

Desired Flow :

		Destination							
		A	B	C	D	E	F	G	Tot.
Origin	A	0	0	43	240	123	426	11	843
	B	0	0	0	10	0	0	0	10
	C	41	0	0	29	29	421	35	555
	D	287	8	22	0	15	60	59	451
	E	84	0	45	7	0	16	3	155
	F	440	2	425	53	12	0	24	956
	G	25	0	22	50	4	5	0	106
	Tot.	877	10	557	389	183	928	132	3076

Traffic Lane Flows

Lane	Scenario 2: 2018 Surveyed - Validation - PM Peak
Junction: J1: A259/A269	
J1:1/1	467
J1:1/2 (with short)	566(In) 447(Out)
J1:1/3 (short)	119
J1:2/1	247
J1:2/2 (with short)	308(In) 267(Out)
J1:2/3 (short)	41
J1:3/1	416
J1:3/2	437
J1:4/1 (with short)	584(In) 517(Out)
J1:4/2 (short)	67
J1:5/1	691
J1:5/2	340
J1:6/1	280
J1:6/2	277
J1:7/1	550
Junction: J2: A259/Downs Road	
J2:1/1 (short)	466
J2:1/2 (with short)	956(In) 490(Out)
J2:2/1 (with short)	106(In) 101(Out)
J2:2/2 (short)	5
J2:3/1	691
J2:3/2 (with short)	340(In) 232(Out)
J2:3/3 (short)	108
J2:4/1	928
J2:5/1	132
Junction: J3: London Road / Beeching Road	
J3:1/1	451
J3:2/1	155
J3:3/1	550
J3:4/1	183
J3:5/1	389
Junction: J4: A269/London Rd Bus Gate	
J4:1/1	406

J4:1/2	437
J4:2/1	10
J4:3/1	887
J4:4/1	877
J4:5/1	10
J4:6/1	416
J4:6/2	437

Lane Saturation Flows

Junction: J1: A259/A269

Lane	Lane Width (m)	Gradient	Nearside Lane	Allowed Turns	Turning Radius (m)	Turning Prop.	Sat Flow (PCU/Hr)	Flared Sat Flow (PCU/Hr)
J1:1/1 (A259 Little Common Road (W))	3.60	0.00	Y	Arm J4:3 Left	15.00	100.0 %	1795	1795
J1:1/2 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:6 Ahead	Inf	100.0 %	2130	2130
J1:1/3 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:7 Right	15.00	100.0 %	1936	1936
J1:2/1 (A259 Belle Hill (E))	3.30	0.00	Y	Arm J1:5 Ahead	Inf	76.5 %	1879	1879
				Arm J1:7 Left	10.00	23.5 %		
J1:2/2 (A259 Belle Hill (E))	3.30	0.00	N	Arm J1:5 Ahead	Inf	100.0 %	2085	2085
J1:2/3 (A259 Belle Hill (E))	3.30	0.00	N	Arm J4:3 Right	15.00	100.0 %	1895	1895
J1:3/1 (A269 Combe Valley Way)	3.50	0.00	Y	Arm J1:6 Left	18.00	10.3 %	1948	1948
				Arm J1:7 Ahead	Inf	89.7 %		
J1:3/2 (A269 Combe Valley Way)	3.75	0.00	N	Arm J1:5 Right	15.00	100.0 %	1936	1936
J1:4/1 (A269 London Road)	2.75	0.00	Y	Arm J1:5 Left	17.00	26.7 %	1847	1847
				Arm J4:3 Ahead	Inf	73.3 %		
J1:4/2 (A269 London Road)	2.75	0.00	N	Arm J1:6 Right	16.00	100.0 %	1856	1856
J1:5/1	Infinite Saturation Flow						Inf	Inf
J1:5/2	Infinite Saturation Flow						Inf	Inf
J1:6/1	Infinite Saturation Flow						Inf	Inf
J1:6/2	Infinite Saturation Flow						Inf	Inf
J1:7/1	Infinite Saturation Flow						Inf	Inf

Junction: J2: A259/Downs Road								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J2:1/1 (A259 Little Common Road)	3.50	0.00	Y	Arm J1:1 Ahead	Inf	94.8 %	1951	1951
				Arm J2:5 Left	11.00	5.2 %		
J2:1/2 (A259 Little Common Road)	3.50	0.00	Y	Arm J1:1 Ahead	Inf	100.0 %	1965	1965
J2:2/1 (Downs Road)	4.00	0.00	Y	Arm J1:1 Left	11.00	100.0 %	1773	1773
J2:2/2 (Downs Road)	2.50	0.00	N	Arm J2:4 Right	11.00	100.0 %	1764	1764
J2:3/1 (A259 Belle Hill East)	3.35	0.00	Y	Arm J2:4 Ahead	Inf	100.0 %	1950	1950
J2:3/2 (A259 Belle Hill East)	3.30	0.00	N	Arm J2:4 Ahead	Inf	100.0 %	2085	2085
J2:3/3 (A259 Belle Hill East)	2.60	0.00	N	Arm J2:5 Right	6.00	100.0 %	1612	1612
J2:4/1	Infinite Saturation Flow						Inf	Inf
J2:5/1	Infinite Saturation Flow						Inf	Inf

Junction: J3: London Road / Beeching Road								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J3:1/1 (London Road South)	3.80	0.00	Y	Arm J1:4 Ahead	Inf	96.7 %	1984	1984
				Arm J3:4 Left	9.00	3.3 %		
J3:2/1 (Beeching Road)	3.85	0.00	Y	Arm J1:4 Left	8.00	95.5 %	1677	1677
				Arm J3:5 Right	5.00	4.5 %		
J3:3/1 (London Road North)	3.95	0.00	Y	Arm J3:4 Right	6.00	30.5 %	1867	1867
				Arm J3:5 Ahead	Inf	69.5 %		
J3:4/1	Infinite Saturation Flow						Inf	Inf
J3:5/1	Infinite Saturation Flow						Inf	Inf

Junction: J4: A269/London Rd Bus Gate								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J4:1/1 (A269 North Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:1/2 (A269 North Lane 2)	Infinite Saturation Flow						Inf	Inf
J4:2/1 (London Road Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:3/1 (A269 South Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:4/1	Infinite Saturation Flow						Inf	Inf
J4:5/1	Infinite Saturation Flow						Inf	Inf
J4:6/1	Infinite Saturation Flow						Inf	Inf
J4:6/2	Infinite Saturation Flow						Inf	Inf

Scenario 3: '2025 Baseline Flows - AM Peak' (FG3: '2025 Baseline Flows - AM Peak', Plan 1: 'Capture Double')

Traffic Flows, Desired

Desired Flow :

		Destination							
		A	B	C	D	E	F	G	Tot.
Origin	A	0	0	63	476	249	309	66	1163
	B	0	0	0	2	2	1	0	5
	C	3	0	0	40	20	294	62	419
	D	160	2	42	0	10	169	36	419
	E	62	0	16	5	0	67	14	164
	F	382	4	377	125	65	0	40	993
	G	90	2	89	29	16	17	0	243
	Tot.	697	8	587	677	362	857	218	3406

Traffic Lane Flows

Lane	Scenario 3: 2025 Baseline Flows - AM Peak
Junction: J1: A259/A269	
J1:1/1	478
J1:1/2 (with short)	701(In) 466(Out)
J1:1/3 (short)	235
J1:2/1	209
J1:2/2 (with short)	210(In) 207(Out)
J1:2/3 (short)	3
J1:3/1	792
J1:3/2	376
J1:4/1 (with short)	568(In) 510(Out)
J1:4/2 (short)	58
J1:5/1	695
J1:5/2	323
J1:6/1	295
J1:6/2	292
J1:7/1	1024
Junction: J2: A259/Downs Road	
J2:1/1 (short)	426
J2:1/2 (with short)	993(In) 567(Out)
J2:2/1 (with short)	243(In) 226(Out)
J2:2/2 (short)	17
J2:3/1	695
J2:3/2 (with short)	323(In) 145(Out)
J2:3/3 (short)	178
J2:4/1	857
J2:5/1	218
Junction: J3: London Road / Beeching Road	
J3:1/1	419
J3:2/1	164
J3:3/1	1024
J3:4/1	362
J3:5/1	677
Junction: J4: A269/London Rd Bus Gate	
J4:1/1	788

J4:1/2	375
J4:2/1	5
J4:3/1	705
J4:4/1	697
J4:5/1	8
J4:6/1	792
J4:6/2	376

Lane Saturation Flows

Junction: J1: A259/A269

Lane	Lane Width (m)	Gradient	Nearside Lane	Allowed Turns	Turning Radius (m)	Turning Prop.	Sat Flow (PCU/Hr)	Flared Sat Flow (PCU/Hr)
J1:1/1 (A259 Little Common Road (W))	3.60	0.00	Y	Arm J4:3 Left	15.00	100.0 %	1795	1795
J1:1/2 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:6 Ahead	Inf	100.0 %	2130	2130
J1:1/3 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:7 Right	15.00	100.0 %	1936	1936
J1:2/1 (A259 Belle Hill (E))	3.30	0.00	Y	Arm J1:5 Ahead	Inf	71.3 %	1865	1865
				Arm J1:7 Left	10.00	28.7 %		
J1:2/2 (A259 Belle Hill (E))	3.30	0.00	N	Arm J1:5 Ahead	Inf	100.0 %	2085	2085
J1:2/3 (A259 Belle Hill (E))	3.30	0.00	N	Arm J4:3 Right	15.00	100.0 %	1895	1895
J1:3/1 (A269 Combe Valley Way)	3.50	0.00	Y	Arm J1:6 Left	18.00	8.0 %	1952	1952
				Arm J1:7 Ahead	Inf	92.0 %		
J1:3/2 (A269 Combe Valley Way)	3.75	0.00	N	Arm J1:5 Right	15.00	100.0 %	1936	1936
J1:4/1 (A269 London Road)	2.75	0.00	Y	Arm J1:5 Left	17.00	56.1 %	1801	1801
				Arm J4:3 Ahead	Inf	43.9 %		
J1:4/2 (A269 London Road)	2.75	0.00	N	Arm J1:6 Right	16.00	100.0 %	1856	1856
J1:5/1	Infinite Saturation Flow						Inf	Inf
J1:5/2	Infinite Saturation Flow						Inf	Inf
J1:6/1	Infinite Saturation Flow						Inf	Inf
J1:6/2	Infinite Saturation Flow						Inf	Inf
J1:7/1	Infinite Saturation Flow						Inf	Inf

Junction: J2: A259/Downs Road								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J2:1/1 (A259 Little Common Road)	3.50	0.00	Y	Arm J1:1 Ahead	Inf	90.6 %	1940	1940
				Arm J2:5 Left	11.00	9.4 %		
J2:1/2 (A259 Little Common Road)	3.50	0.00	Y	Arm J1:1 Ahead	Inf	100.0 %	1965	1965
J2:2/1 (Downs Road)	4.00	0.00	Y	Arm J1:1 Left	11.00	100.0 %	1773	1773
J2:2/2 (Downs Road)	2.50	0.00	N	Arm J2:4 Right	11.00	100.0 %	1764	1764
J2:3/1 (A259 Belle Hill East)	3.35	0.00	Y	Arm J2:4 Ahead	Inf	100.0 %	1950	1950
J2:3/2 (A259 Belle Hill East)	3.30	0.00	N	Arm J2:4 Ahead	Inf	100.0 %	2085	2085
J2:3/3 (A259 Belle Hill East)	2.60	0.00	N	Arm J2:5 Right	6.00	100.0 %	1612	1612
J2:4/1	Infinite Saturation Flow						Inf	Inf
J2:5/1	Infinite Saturation Flow						Inf	Inf

Junction: J3: London Road / Beeching Road								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J3:1/1 (London Road South)	3.80	0.00	Y	Arm J1:4 Ahead	Inf	97.6 %	1987	1987
				Arm J3:4 Left	9.00	2.4 %		
J3:2/1 (Beeching Road)	3.85	0.00	Y	Arm J1:4 Left	8.00	97.0 %	1679	1679
				Arm J3:5 Right	5.00	3.0 %		
J3:3/1 (London Road North)	3.95	0.00	Y	Arm J3:4 Right	6.00	34.4 %	1851	1851
				Arm J3:5 Ahead	Inf	65.6 %		
J3:4/1	Infinite Saturation Flow						Inf	Inf
J3:5/1	Infinite Saturation Flow						Inf	Inf

Junction: J4: A269/London Rd Bus Gate								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J4:1/1 (A269 North Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:1/2 (A269 North Lane 2)	Infinite Saturation Flow						Inf	Inf
J4:2/1 (London Road Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:3/1 (A269 South Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:4/1	Infinite Saturation Flow						Inf	Inf
J4:5/1	Infinite Saturation Flow						Inf	Inf
J4:6/1	Infinite Saturation Flow						Inf	Inf
J4:6/2	Infinite Saturation Flow						Inf	Inf

Scenario 4: '2025 Baseline Flows - PM Peak' (FG4: '2025 Baseline Flows - PM Peak', Plan 1: 'Capture Double')

Traffic Flows, Desired

Desired Flow :

		Destination							
		A	B	C	D	E	F	G	Tot.
Origin	A	0	0	107	366	138	258	71	940
	B	0	0	0	1	0	1	0	2
	C	3	0	0	39	15	311	86	454
	D	200	1	112	0	13	189	52	567
	E	67	0	37	5	0	64	17	190
	F	403	1	313	118	44	0	17	896
	G	82	0	63	24	9	40	0	218
	Tot.	755	2	632	553	219	863	243	3267

Traffic Lane Flows

Lane	Scenario 4: 2025 Baseline Flows - PM Peak
Junction: J1: A259/A269	
J1:1/1	486
J1:1/2 (with short)	571(In) 376(Out)
J1:1/3 (short)	195
J1:2/1	224
J1:2/2 (with short)	230(In) 227(Out)
J1:2/3 (short)	3
J1:3/1	612
J1:3/2	330
J1:4/1 (with short)	739(In) 590(Out)
J1:4/2 (short)	149
J1:5/1	682
J1:5/2	367
J1:6/1	319
J1:6/2	313
J1:7/1	754
Junction: J2: A259/Downs Road	
J2:1/1 (short)	421
J2:1/2 (with short)	896(In) 475(Out)
J2:2/1 (with short)	218(In) 178(Out)
J2:2/2 (short)	40
J2:3/1	682
J2:3/2 (with short)	367(In) 141(Out)
J2:3/3 (short)	226
J2:4/1	863
J2:5/1	243
Junction: J3: London Road / Beeching Road	
J3:1/1	567
J3:2/1	190
J3:3/1	754
J3:4/1	219
J3:5/1	553
Junction: J4: A269/London Rd Bus Gate	
J4:1/1	611

J4:1/2	329
J4:2/1	2
J4:3/1	757
J4:4/1	755
J4:5/1	2
J4:6/1	612
J4:6/2	330

Lane Saturation Flows

Junction: J1: A259/A269

Lane	Lane Width (m)	Gradient	Nearside Lane	Allowed Turns	Turning Radius (m)	Turning Prop.	Sat Flow (PCU/Hr)	Flared Sat Flow (PCU/Hr)
J1:1/1 (A259 Little Common Road (W))	3.60	0.00	Y	Arm J4:3 Left	15.00	100.0 %	1795	1795
J1:1/2 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:6 Ahead	Inf	100.0 %	2130	2130
J1:1/3 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:7 Right	15.00	100.0 %	1936	1936
J1:2/1 (A259 Belle Hill (E))	3.30	0.00	Y	Arm J1:5 Ahead	Inf	75.9 %	1877	1877
				Arm J1:7 Left	10.00	24.1 %		
J1:2/2 (A259 Belle Hill (E))	3.30	0.00	N	Arm J1:5 Ahead	Inf	100.0 %	2085	2085
J1:2/3 (A259 Belle Hill (E))	3.30	0.00	N	Arm J4:3 Right	15.00	100.0 %	1895	1895
J1:3/1 (A269 Combe Valley Way)	3.50	0.00	Y	Arm J1:6 Left	18.00	17.5 %	1937	1937
				Arm J1:7 Ahead	Inf	82.5 %		
J1:3/2 (A269 Combe Valley Way)	3.75	0.00	N	Arm J1:5 Right	15.00	100.0 %	1936	1936
J1:4/1 (A269 London Road)	2.75	0.00	Y	Arm J1:5 Left	17.00	54.6 %	1803	1803
				Arm J4:3 Ahead	Inf	45.4 %		
J1:4/2 (A269 London Road)	2.75	0.00	N	Arm J1:6 Right	16.00	100.0 %	1856	1856
J1:5/1	Infinite Saturation Flow						Inf	Inf
J1:5/2	Infinite Saturation Flow						Inf	Inf
J1:6/1	Infinite Saturation Flow						Inf	Inf
J1:6/2	Infinite Saturation Flow						Inf	Inf
J1:7/1	Infinite Saturation Flow						Inf	Inf

Junction: J2: A259/Downs Road								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J2:1/1 (A259 Little Common Road)	3.50	0.00	Y	Arm J1:1 Ahead	Inf	96.0 %	1954	1954
				Arm J2:5 Left	11.00	4.0 %		
J2:1/2 (A259 Little Common Road)	3.50	0.00	Y	Arm J1:1 Ahead	Inf	100.0 %	1965	1965
J2:2/1 (Downs Road)	4.00	0.00	Y	Arm J1:1 Left	11.00	100.0 %	1773	1773
J2:2/2 (Downs Road)	2.50	0.00	N	Arm J2:4 Right	11.00	100.0 %	1764	1764
J2:3/1 (A259 Belle Hill East)	3.35	0.00	Y	Arm J2:4 Ahead	Inf	100.0 %	1950	1950
J2:3/2 (A259 Belle Hill East)	3.30	0.00	N	Arm J2:4 Ahead	Inf	100.0 %	2085	2085
J2:3/3 (A259 Belle Hill East)	2.60	0.00	N	Arm J2:5 Right	6.00	100.0 %	1612	1612
J2:4/1	Infinite Saturation Flow						Inf	Inf
J2:5/1	Infinite Saturation Flow						Inf	Inf

Junction: J3: London Road / Beeching Road								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J3:1/1 (London Road South)	3.80	0.00	Y	Arm J1:4 Ahead	Inf	97.7 %	1987	1987
				Arm J3:4 Left	9.00	2.3 %		
J3:2/1 (Beeching Road)	3.85	0.00	Y	Arm J1:4 Left	8.00	97.4 %	1680	1680
				Arm J3:5 Right	5.00	2.6 %		
J3:3/1 (London Road North)	3.95	0.00	Y	Arm J3:4 Right	6.00	27.3 %	1881	1881
				Arm J3:5 Ahead	Inf	72.7 %		
J3:4/1	Infinite Saturation Flow						Inf	Inf
J3:5/1	Infinite Saturation Flow						Inf	Inf

Junction: J4: A269/London Rd Bus Gate								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J4:1/1 (A269 North Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:1/2 (A269 North Lane 2)	Infinite Saturation Flow						Inf	Inf
J4:2/1 (London Road Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:3/1 (A269 South Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:4/1	Infinite Saturation Flow						Inf	Inf
J4:5/1	Infinite Saturation Flow						Inf	Inf
J4:6/1	Infinite Saturation Flow						Inf	Inf
J4:6/2	Infinite Saturation Flow						Inf	Inf

Scenario 5: '2025 Assessment Flows - AM Peak' (FG5: '2025 Assessment Flows - AM Peak', Plan 1: 'Capture Double')

Traffic Flows, Desired

Desired Flow :

		Destination							
		A	B	C	D	E	F	G	Tot.
Origin	A	0	0	63	478	247	312	65	1165
	B	0	0	0	2	2	1	0	5
	C	3	0	0	40	20	299	63	425
	D	159	2	42	0	10	172	36	421
	E	62	0	16	5	0	67	14	164
	F	388	4	395	129	66	0	40	1022
	G	88	2	90	30	16	17	0	243
	Tot.	700	8	606	684	361	868	218	3445

Traffic Lane Flows

Lane	Scenario 5: 2025 Assessment Flows - AM Peak
Junction: J1: A259/A269	
J1:1/1	482
J1:1/2 (with short)	726(In) 485(Out)
J1:1/3 (short)	241
J1:2/1	211
J1:2/2 (with short)	214(In) 211(Out)
J1:2/3 (short)	3
J1:3/1	792
J1:3/2	378
J1:4/1 (with short)	570(In) 512(Out)
J1:4/2 (short)	58
J1:5/1	703
J1:5/2	326
J1:6/1	305
J1:6/2	301
J1:7/1	1030
Junction: J2: A259/Downs Road	
J2:1/1 (short)	432
J2:1/2 (with short)	1022(In) 590(Out)
J2:2/1 (with short)	243(In) 226(Out)
J2:2/2 (short)	17
J2:3/1	703
J2:3/2 (with short)	326(In) 148(Out)
J2:3/3 (short)	178
J2:4/1	868
J2:5/1	218
Junction: J3: London Road / Beeching Road	
J3:1/1	421
J3:2/1	164
J3:3/1	1030
J3:4/1	361
J3:5/1	684
Junction: J4: A269/London Rd Bus Gate	
J4:1/1	788

J4:1/2	377
J4:2/1	5
J4:3/1	708
J4:4/1	700
J4:5/1	8
J4:6/1	792
J4:6/2	378

Lane Saturation Flows

Junction: J1: A259/A269

Lane	Lane Width (m)	Gradient	Nearside Lane	Allowed Turns	Turning Radius (m)	Turning Prop.	Sat Flow (PCU/Hr)	Flared Sat Flow (PCU/Hr)
J1:1/1 (A259 Little Common Road (W))	3.60	0.00	Y	Arm J4:3 Left	15.00	100.0 %	1795	1795
J1:1/2 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:6 Ahead	Inf	100.0 %	2130	2130
J1:1/3 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:7 Right	15.00	100.0 %	1936	1936
J1:2/1 (A259 Belle Hill (E))	3.30	0.00	Y	Arm J1:5 Ahead	Inf	71.6 %	1865	1865
				Arm J1:7 Left	10.00	28.4 %		
J1:2/2 (A259 Belle Hill (E))	3.30	0.00	N	Arm J1:5 Ahead	Inf	100.0 %	2085	2085
J1:2/3 (A259 Belle Hill (E))	3.30	0.00	N	Arm J4:3 Right	15.00	100.0 %	1895	1895
J1:3/1 (A269 Combe Valley Way)	3.50	0.00	Y	Arm J1:6 Left	18.00	8.0 %	1952	1952
				Arm J1:7 Ahead	Inf	92.0 %		
J1:3/2 (A269 Combe Valley Way)	3.75	0.00	N	Arm J1:5 Right	15.00	100.0 %	1936	1936
J1:4/1 (A269 London Road)	2.75	0.00	Y	Arm J1:5 Left	17.00	56.4 %	1800	1800
				Arm J4:3 Ahead	Inf	43.6 %		
J1:4/2 (A269 London Road)	2.75	0.00	N	Arm J1:6 Right	16.00	100.0 %	1856	1856
J1:5/1	Infinite Saturation Flow						Inf	Inf
J1:5/2	Infinite Saturation Flow						Inf	Inf
J1:6/1	Infinite Saturation Flow						Inf	Inf
J1:6/2	Infinite Saturation Flow						Inf	Inf
J1:7/1	Infinite Saturation Flow						Inf	Inf

Junction: J2: A259/Downs Road								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J2:1/1 (A259 Little Common Road)	3.50	0.00	Y	Arm J1:1 Ahead	Inf	90.7 %	1940	1940
				Arm J2:5 Left	11.00	9.3 %		
J2:1/2 (A259 Little Common Road)	3.50	0.00	Y	Arm J1:1 Ahead	Inf	100.0 %	1965	1965
J2:2/1 (Downs Road)	4.00	0.00	Y	Arm J1:1 Left	11.00	100.0 %	1773	1773
J2:2/2 (Downs Road)	2.50	0.00	N	Arm J2:4 Right	11.00	100.0 %	1764	1764
J2:3/1 (A259 Belle Hill East)	3.35	0.00	Y	Arm J2:4 Ahead	Inf	100.0 %	1950	1950
J2:3/2 (A259 Belle Hill East)	3.30	0.00	N	Arm J2:4 Ahead	Inf	100.0 %	2085	2085
J2:3/3 (A259 Belle Hill East)	2.60	0.00	N	Arm J2:5 Right	6.00	100.0 %	1612	1612
J2:4/1	Infinite Saturation Flow						Inf	Inf
J2:5/1	Infinite Saturation Flow						Inf	Inf

Junction: J3: London Road / Beeching Road								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J3:1/1 (London Road South)	3.80	0.00	Y	Arm J1:4 Ahead	Inf	97.6 %	1987	1987
				Arm J3:4 Left	9.00	2.4 %		
J3:2/1 (Beeching Road)	3.85	0.00	Y	Arm J1:4 Left	8.00	97.0 %	1679	1679
				Arm J3:5 Right	5.00	3.0 %		
J3:3/1 (London Road North)	3.95	0.00	Y	Arm J3:4 Right	6.00	34.1 %	1852	1852
				Arm J3:5 Ahead	Inf	65.9 %		
J3:4/1	Infinite Saturation Flow						Inf	Inf
J3:5/1	Infinite Saturation Flow						Inf	Inf

Junction: J4: A269/London Rd Bus Gate								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J4:1/1 (A269 North Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:1/2 (A269 North Lane 2)	Infinite Saturation Flow						Inf	Inf
J4:2/1 (London Road Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:3/1 (A269 South Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:4/1	Infinite Saturation Flow						Inf	Inf
J4:5/1	Infinite Saturation Flow						Inf	Inf
J4:6/1	Infinite Saturation Flow						Inf	Inf
J4:6/2	Infinite Saturation Flow						Inf	Inf

Scenario 6: '2025 Assessment Flows - PM Peak' (FG6: '2025 Assessment Flows - PM Peak', Plan 1: 'Capture Double')

Traffic Flows, Desired

Desired Flow :

		Destination							
		A	B	C	D	E	F	G	Tot.
Origin	A	0	0	107	368	137	262	70	944
	B	0	0	0	1	0	1	0	2
	C	3	0	0	40	15	328	87	473
	D	201	1	112	0	13	195	52	574
	E	66	0	37	5	0	65	17	190
	F	406	1	320	120	45	0	17	909
	G	81	0	64	24	9	40	0	218
	Tot.	757	2	640	558	219	891	243	3310

Traffic Lane Flows

Lane	Scenario 6: 2025 Assessment Flows - PM Peak
Junction: J1: A259/A269	
J1:1/1	488
J1:1/2 (with short)	582(In) 384(Out)
J1:1/3 (short)	198
J1:2/1	231
J1:2/2 (with short)	242(In) 239(Out)
J1:2/3 (short)	3
J1:3/1	613
J1:3/2	333
J1:4/1 (with short)	746(In) 597(Out)
J1:4/2 (short)	149
J1:5/1	699
J1:5/2	378
J1:6/1	323
J1:6/2	317
J1:7/1	759
Junction: J2: A259/Downs Road	
J2:1/1 (short)	424
J2:1/2 (with short)	909(In) 485(Out)
J2:2/1 (with short)	218(In) 178(Out)
J2:2/2 (short)	40
J2:3/1	699
J2:3/2 (with short)	378(In) 152(Out)
J2:3/3 (short)	226
J2:4/1	891
J2:5/1	243
Junction: J3: London Road / Beeching Road	
J3:1/1	574
J3:2/1	190
J3:3/1	759
J3:4/1	219
J3:5/1	558
Junction: J4: A269/London Rd Bus Gate	
J4:1/1	612

J4:1/2	332
J4:2/1	2
J4:3/1	759
J4:4/1	757
J4:5/1	2
J4:6/1	613
J4:6/2	333

Lane Saturation Flows

Junction: J1: A259/A269

Lane	Lane Width (m)	Gradient	Nearside Lane	Allowed Turns	Turning Radius (m)	Turning Prop.	Sat Flow (PCU/Hr)	Flared Sat Flow (PCU/Hr)
J1:1/1 (A259 Little Common Road (W))	3.60	0.00	Y	Arm J4:3 Left	15.00	100.0 %	1795	1795
J1:1/2 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:6 Ahead	Inf	100.0 %	2130	2130
J1:1/3 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:7 Right	15.00	100.0 %	1936	1936
J1:2/1 (A259 Belle Hill (E))	3.30	0.00	Y	Arm J1:5 Ahead	Inf	76.2 %	1878	1878
				Arm J1:7 Left	10.00	23.8 %		
J1:2/2 (A259 Belle Hill (E))	3.30	0.00	N	Arm J1:5 Ahead	Inf	100.0 %	2085	2085
J1:2/3 (A259 Belle Hill (E))	3.30	0.00	N	Arm J4:3 Right	15.00	100.0 %	1895	1895
J1:3/1 (A269 Combe Valley Way)	3.50	0.00	Y	Arm J1:6 Left	18.00	17.5 %	1937	1937
				Arm J1:7 Ahead	Inf	82.5 %		
J1:3/2 (A269 Combe Valley Way)	3.75	0.00	N	Arm J1:5 Right	15.00	100.0 %	1936	1936
J1:4/1 (A269 London Road)	2.75	0.00	Y	Arm J1:5 Left	17.00	55.1 %	1802	1802
				Arm J4:3 Ahead	Inf	44.9 %		
J1:4/2 (A269 London Road)	2.75	0.00	N	Arm J1:6 Right	16.00	100.0 %	1856	1856
J1:5/1	Infinite Saturation Flow						Inf	Inf
J1:5/2	Infinite Saturation Flow						Inf	Inf
J1:6/1	Infinite Saturation Flow						Inf	Inf
J1:6/2	Infinite Saturation Flow						Inf	Inf
J1:7/1	Infinite Saturation Flow						Inf	Inf

Junction: J2: A259/Downs Road								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J2:1/1 (A259 Little Common Road)	3.50	0.00	Y	Arm J1:1 Ahead	Inf	96.0 %	1954	1954
				Arm J2:5 Left	11.00	4.0 %		
J2:1/2 (A259 Little Common Road)	3.50	0.00	Y	Arm J1:1 Ahead	Inf	100.0 %	1965	1965
J2:2/1 (Downs Road)	4.00	0.00	Y	Arm J1:1 Left	11.00	100.0 %	1773	1773
J2:2/2 (Downs Road)	2.50	0.00	N	Arm J2:4 Right	11.00	100.0 %	1764	1764
J2:3/1 (A259 Belle Hill East)	3.35	0.00	Y	Arm J2:4 Ahead	Inf	100.0 %	1950	1950
J2:3/2 (A259 Belle Hill East)	3.30	0.00	N	Arm J2:4 Ahead	Inf	100.0 %	2085	2085
J2:3/3 (A259 Belle Hill East)	2.60	0.00	N	Arm J2:5 Right	6.00	100.0 %	1612	1612
J2:4/1	Infinite Saturation Flow						Inf	Inf
J2:5/1	Infinite Saturation Flow						Inf	Inf

Junction: J3: London Road / Beeching Road								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J3:1/1 (London Road South)	3.80	0.00	Y	Arm J1:4 Ahead	Inf	97.7 %	1987	1987
				Arm J3:4 Left	9.00	2.3 %		
J3:2/1 (Beeching Road)	3.85	0.00	Y	Arm J1:4 Left	8.00	97.4 %	1680	1680
				Arm J3:5 Right	5.00	2.6 %		
J3:3/1 (London Road North)	3.95	0.00	Y	Arm J3:4 Right	6.00	27.1 %	1882	1882
				Arm J3:5 Ahead	Inf	72.9 %		
J3:4/1	Infinite Saturation Flow						Inf	Inf
J3:5/1	Infinite Saturation Flow						Inf	Inf

Junction: J4: A269/London Rd Bus Gate								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J4:1/1 (A269 North Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:1/2 (A269 North Lane 2)	Infinite Saturation Flow						Inf	Inf
J4:2/1 (London Road Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:3/1 (A269 South Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:4/1	Infinite Saturation Flow						Inf	Inf
J4:5/1	Infinite Saturation Flow						Inf	Inf
J4:6/1	Infinite Saturation Flow						Inf	Inf
J4:6/2	Infinite Saturation Flow						Inf	Inf

Scenario 7: '2031 Baseline Flows - AM Peak' (FG7: '2031 Baseline Flows - AM Peak', Plan 1: 'Capture Double')

Traffic Flows, Desired

Desired Flow :

		Destination							
		A	B	C	D	E	F	G	Tot.
Origin	A	0	0	66	503	263	327	69	1228
	B	0	0	0	2	2	1	0	5
	C	3	0	0	42	22	309	66	442
	D	168	2	44	0	11	181	38	444
	E	67	0	17	5	0	70	14	173
	F	402	4	398	131	69	0	42	1046
	G	96	2	94	32	16	18	0	258
	Tot.	736	8	619	715	383	906	229	3596

Traffic Lane Flows

Lane	Scenario 7: 2031 Baseline Flows - AM Peak
Junction: J1: A259/A269	
J1:1/1	504
J1:1/2 (with short)	740(In) 492(Out)
J1:1/3 (short)	248
J1:2/1	213
J1:2/2 (with short)	229(In) 226(Out)
J1:2/3 (short)	3
J1:3/1	836
J1:3/2	397
J1:4/1 (with short)	601(In) 540(Out)
J1:4/2 (short)	61
J1:5/1	728
J1:5/2	347
J1:6/1	312
J1:6/2	307
J1:7/1	1082
Junction: J2: A259/Downs Road	
J2:1/1 (short)	448
J2:1/2 (with short)	1046(In) 598(Out)
J2:2/1 (with short)	258(In) 240(Out)
J2:2/2 (short)	18
J2:3/1	728
J2:3/2 (with short)	347(In) 160(Out)
J2:3/3 (short)	187
J2:4/1	906
J2:5/1	229
Junction: J3: London Road / Beeching Road	
J3:1/1	444
J3:2/1	173
J3:3/1	1082
J3:4/1	383
J3:5/1	715
Junction: J4: A269/London Rd Bus Gate	
J4:1/1	832

J4:1/2	396
J4:2/1	5
J4:3/1	744
J4:4/1	736
J4:5/1	8
J4:6/1	836
J4:6/2	397

Lane Saturation Flows

Junction: J1: A259/A269

Lane	Lane Width (m)	Gradient	Nearside Lane	Allowed Turns	Turning Radius (m)	Turning Prop.	Sat Flow (PCU/Hr)	Flared Sat Flow (PCU/Hr)
J1:1/1 (A259 Little Common Road (W))	3.60	0.00	Y	Arm J4:3 Left	15.00	100.0 %	1795	1795
J1:1/2 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:6 Ahead	Inf	100.0 %	2130	2130
J1:1/3 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:7 Right	15.00	100.0 %	1936	1936
J1:2/1 (A259 Belle Hill (E))	3.30	0.00	Y	Arm J1:5 Ahead	Inf	70.0 %	1861	1861
				Arm J1:7 Left	10.00	30.0 %		
J1:2/2 (A259 Belle Hill (E))	3.30	0.00	N	Arm J1:5 Ahead	Inf	100.0 %	2085	2085
J1:2/3 (A259 Belle Hill (E))	3.30	0.00	N	Arm J4:3 Right	15.00	100.0 %	1895	1895
J1:3/1 (A269 Combe Valley Way)	3.50	0.00	Y	Arm J1:6 Left	18.00	7.9 %	1952	1952
				Arm J1:7 Ahead	Inf	92.1 %		
J1:3/2 (A269 Combe Valley Way)	3.75	0.00	N	Arm J1:5 Right	15.00	100.0 %	1936	1936
J1:4/1 (A269 London Road)	2.75	0.00	Y	Arm J1:5 Left	17.00	56.1 %	1801	1801
				Arm J4:3 Ahead	Inf	43.9 %		
J1:4/2 (A269 London Road)	2.75	0.00	N	Arm J1:6 Right	16.00	100.0 %	1856	1856
J1:5/1	Infinite Saturation Flow						Inf	Inf
J1:5/2	Infinite Saturation Flow						Inf	Inf
J1:6/1	Infinite Saturation Flow						Inf	Inf
J1:6/2	Infinite Saturation Flow						Inf	Inf
J1:7/1	Infinite Saturation Flow						Inf	Inf

Junction: J2: A259/Downs Road								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J2:1/1 (A259 Little Common Road)	3.50	0.00	Y	Arm J1:1 Ahead	Inf	90.6 %	1940	1940
				Arm J2:5 Left	11.00	9.4 %		
J2:1/2 (A259 Little Common Road)	3.50	0.00	Y	Arm J1:1 Ahead	Inf	100.0 %	1965	1965
J2:2/1 (Downs Road)	4.00	0.00	Y	Arm J1:1 Left	11.00	100.0 %	1773	1773
J2:2/2 (Downs Road)	2.50	0.00	N	Arm J2:4 Right	11.00	100.0 %	1764	1764
J2:3/1 (A259 Belle Hill East)	3.35	0.00	Y	Arm J2:4 Ahead	Inf	100.0 %	1950	1950
J2:3/2 (A259 Belle Hill East)	3.30	0.00	N	Arm J2:4 Ahead	Inf	100.0 %	2085	2085
J2:3/3 (A259 Belle Hill East)	2.60	0.00	N	Arm J2:5 Right	6.00	100.0 %	1612	1612
J2:4/1	Infinite Saturation Flow						Inf	Inf
J2:5/1	Infinite Saturation Flow						Inf	Inf

Junction: J3: London Road / Beeching Road								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J3:1/1 (London Road South)	3.80	0.00	Y	Arm J1:4 Ahead	Inf	97.5 %	1987	1987
				Arm J3:4 Left	9.00	2.5 %		
J3:2/1 (Beeching Road)	3.85	0.00	Y	Arm J1:4 Left	8.00	97.1 %	1680	1680
				Arm J3:5 Right	5.00	2.9 %		
J3:3/1 (London Road North)	3.95	0.00	Y	Arm J3:4 Right	6.00	34.4 %	1851	1851
				Arm J3:5 Ahead	Inf	65.6 %		
J3:4/1	Infinite Saturation Flow						Inf	Inf
J3:5/1	Infinite Saturation Flow						Inf	Inf

Junction: J4: A269/London Rd Bus Gate								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J4:1/1 (A269 North Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:1/2 (A269 North Lane 2)	Infinite Saturation Flow						Inf	Inf
J4:2/1 (London Road Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:3/1 (A269 South Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:4/1	Infinite Saturation Flow						Inf	Inf
J4:5/1	Infinite Saturation Flow						Inf	Inf
J4:6/1	Infinite Saturation Flow						Inf	Inf
J4:6/2	Infinite Saturation Flow						Inf	Inf

Scenario 8: '2031 Baseline Flows - PM Peak' (FG8: '2031 Baseline Flows - PM Peak', Plan 1: 'Capture Double')

Traffic Flows, Desired

Desired Flow :

		Destination							
		A	B	C	D	E	F	G	Tot.
Origin	A	0	0	114	388	147	273	74	996
	B	0	0	0	1	0	1	0	2
	C	3	0	0	42	16	331	90	482
	D	213	1	118	0	14	199	55	600
	E	71	0	40	5	0	67	19	202
	F	428	1	331	124	47	0	18	949
	G	87	0	67	26	9	42	0	231
	Tot.	802	2	670	586	233	913	256	3462

Traffic Lane Flows

Lane	Scenario 8: 2031 Baseline Flows - PM Peak
Junction: J1: A259/A269	
J1:1/1	516
J1:1/2 (with short)	604(In) 398(Out)
J1:1/3 (short)	206
J1:2/1	237
J1:2/2 (with short)	245(In) 242(Out)
J1:2/3 (short)	3
J1:3/1	650
J1:3/2	348
J1:4/1 (with short)	783(In) 625(Out)
J1:4/2 (short)	158
J1:5/1	719
J1:5/2	390
J1:6/1	337
J1:6/2	333
J1:7/1	800
Junction: J2: A259/Downs Road	
J2:1/1 (short)	447
J2:1/2 (with short)	949(In) 502(Out)
J2:2/1 (with short)	231(In) 189(Out)
J2:2/2 (short)	42
J2:3/1	719
J2:3/2 (with short)	390(In) 152(Out)
J2:3/3 (short)	238
J2:4/1	913
J2:5/1	256
Junction: J3: London Road / Beeching Road	
J3:1/1	600
J3:2/1	202
J3:3/1	800
J3:4/1	233
J3:5/1	586
Junction: J4: A269/London Rd Bus Gate	
J4:1/1	649

J4:1/2	347
J4:2/1	2
J4:3/1	804
J4:4/1	802
J4:5/1	2
J4:6/1	650
J4:6/2	348

Lane Saturation Flows

Junction: J1: A259/A269

Lane	Lane Width (m)	Gradient	Nearside Lane	Allowed Turns	Turning Radius (m)	Turning Prop.	Sat Flow (PCU/Hr)	Flared Sat Flow (PCU/Hr)
J1:1/1 (A259 Little Common Road (W))	3.60	0.00	Y	Arm J4:3 Left	15.00	100.0 %	1795	1795
J1:1/2 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:6 Ahead	Inf	100.0 %	2130	2130
J1:1/3 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:7 Right	15.00	100.0 %	1936	1936
J1:2/1 (A259 Belle Hill (E))	3.30	0.00	Y	Arm J1:5 Ahead	Inf	75.5 %	1876	1876
				Arm J1:7 Left	10.00	24.5 %		
J1:2/2 (A259 Belle Hill (E))	3.30	0.00	N	Arm J1:5 Ahead	Inf	100.0 %	2085	2085
J1:2/3 (A259 Belle Hill (E))	3.30	0.00	N	Arm J4:3 Right	15.00	100.0 %	1895	1895
J1:3/1 (A269 Combe Valley Way)	3.50	0.00	Y	Arm J1:6 Left	18.00	17.5 %	1937	1937
				Arm J1:7 Ahead	Inf	82.5 %		
J1:3/2 (A269 Combe Valley Way)	3.75	0.00	N	Arm J1:5 Right	15.00	100.0 %	1936	1936
J1:4/1 (A269 London Road)	2.75	0.00	Y	Arm J1:5 Left	17.00	54.4 %	1803	1803
				Arm J4:3 Ahead	Inf	45.6 %		
J1:4/2 (A269 London Road)	2.75	0.00	N	Arm J1:6 Right	16.00	100.0 %	1856	1856
J1:5/1	Infinite Saturation Flow						Inf	Inf
J1:5/2	Infinite Saturation Flow						Inf	Inf
J1:6/1	Infinite Saturation Flow						Inf	Inf
J1:6/2	Infinite Saturation Flow						Inf	Inf
J1:7/1	Infinite Saturation Flow						Inf	Inf

Junction: J2: A259/Downs Road								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J2:1/1 (A259 Little Common Road)	3.50	0.00	Y	Arm J1:1 Ahead	Inf	96.0 %	1954	1954
				Arm J2:5 Left	11.00	4.0 %		
J2:1/2 (A259 Little Common Road)	3.50	0.00	Y	Arm J1:1 Ahead	Inf	100.0 %	1965	1965
J2:2/1 (Downs Road)	4.00	0.00	Y	Arm J1:1 Left	11.00	100.0 %	1773	1773
J2:2/2 (Downs Road)	2.50	0.00	N	Arm J2:4 Right	11.00	100.0 %	1764	1764
J2:3/1 (A259 Belle Hill East)	3.35	0.00	Y	Arm J2:4 Ahead	Inf	100.0 %	1950	1950
J2:3/2 (A259 Belle Hill East)	3.30	0.00	N	Arm J2:4 Ahead	Inf	100.0 %	2085	2085
J2:3/3 (A259 Belle Hill East)	2.60	0.00	N	Arm J2:5 Right	6.00	100.0 %	1612	1612
J2:4/1	Infinite Saturation Flow						Inf	Inf
J2:5/1	Infinite Saturation Flow						Inf	Inf

Junction: J3: London Road / Beeching Road								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J3:1/1 (London Road South)	3.80	0.00	Y	Arm J1:4 Ahead	Inf	97.7 %	1987	1987
				Arm J3:4 Left	9.00	2.3 %		
J3:2/1 (Beeching Road)	3.85	0.00	Y	Arm J1:4 Left	8.00	97.5 %	1680	1680
				Arm J3:5 Right	5.00	2.5 %		
J3:3/1 (London Road North)	3.95	0.00	Y	Arm J3:4 Right	6.00	27.4 %	1881	1881
				Arm J3:5 Ahead	Inf	72.6 %		
J3:4/1	Infinite Saturation Flow						Inf	Inf
J3:5/1	Infinite Saturation Flow						Inf	Inf

Junction: J4: A269/London Rd Bus Gate								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J4:1/1 (A269 North Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:1/2 (A269 North Lane 2)	Infinite Saturation Flow						Inf	Inf
J4:2/1 (London Road Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:3/1 (A269 South Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:4/1	Infinite Saturation Flow						Inf	Inf
J4:5/1	Infinite Saturation Flow						Inf	Inf
J4:6/1	Infinite Saturation Flow						Inf	Inf
J4:6/2	Infinite Saturation Flow						Inf	Inf

Scenario 9: '2031 Assessment Flows - AM Peak' (FG9: '2031 Assessment Flows - AM Peak', Plan 1: 'Capture Double')

Traffic Flows, Desired

Desired Flow :

		Destination							
		A	B	C	D	E	F	G	Tot.
Origin	A	0	0	66	505	261	328	69	1229
	B	0	0	0	2	2	1	0	5
	C	3	0	0	42	22	316	67	450
	D	169	2	44	0	11	182	38	446
	E	66	0	17	5	0	71	14	173
	F	409	4	416	137	70	0	42	1078
	G	94	2	96	31	16	18	0	257
	Tot.	741	8	639	722	382	916	230	3638

Traffic Lane Flows

Lane	Scenario 9: 2031 Assessment Flows - AM Peak
Junction: J1: A259/A269	
J1:1/1	509
J1:1/2 (with short)	766(In) 512(Out)
J1:1/3 (short)	254
J1:2/1	226
J1:2/2 (with short)	224(In) 221(Out)
J1:2/3 (short)	3
J1:3/1	836
J1:3/2	398
J1:4/1 (with short)	603(In) 542(Out)
J1:4/2 (short)	61
J1:5/1	744
J1:5/2	342
J1:6/1	321
J1:6/2	318
J1:7/1	1088
Junction: J2: A259/Downs Road	
J2:1/1 (short)	455
J2:1/2 (with short)	1078(In) 623(Out)
J2:2/1 (with short)	257(In) 239(Out)
J2:2/2 (short)	18
J2:3/1	744
J2:3/2 (with short)	342(In) 154(Out)
J2:3/3 (short)	188
J2:4/1	916
J2:5/1	230
Junction: J3: London Road / Beeching Road	
J3:1/1	446
J3:2/1	173
J3:3/1	1088
J3:4/1	382
J3:5/1	722
Junction: J4: A269/London Rd Bus Gate	
J4:1/1	832

J4:1/2	397
J4:2/1	5
J4:3/1	749
J4:4/1	741
J4:5/1	8
J4:6/1	836
J4:6/2	398

Lane Saturation Flows

Junction: J1: A259/A269

Lane	Lane Width (m)	Gradient	Nearside Lane	Allowed Turns	Turning Radius (m)	Turning Prop.	Sat Flow (PCU/Hr)	Flared Sat Flow (PCU/Hr)
J1:1/1 (A259 Little Common Road (W))	3.60	0.00	Y	Arm J4:3 Left	15.00	100.0 %	1795	1795
J1:1/2 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:6 Ahead	Inf	100.0 %	2130	2130
J1:1/3 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:7 Right	15.00	100.0 %	1936	1936
J1:2/1 (A259 Belle Hill (E))	3.30	0.00	Y	Arm J1:5 Ahead	Inf	71.7 %	1866	1866
				Arm J1:7 Left	10.00	28.3 %		
J1:2/2 (A259 Belle Hill (E))	3.30	0.00	N	Arm J1:5 Ahead	Inf	100.0 %	2085	2085
J1:2/3 (A259 Belle Hill (E))	3.30	0.00	N	Arm J4:3 Right	15.00	100.0 %	1895	1895
J1:3/1 (A269 Combe Valley Way)	3.50	0.00	Y	Arm J1:6 Left	18.00	7.9 %	1952	1952
				Arm J1:7 Ahead	Inf	92.1 %		
J1:3/2 (A269 Combe Valley Way)	3.75	0.00	N	Arm J1:5 Right	15.00	100.0 %	1936	1936
J1:4/1 (A269 London Road)	2.75	0.00	Y	Arm J1:5 Left	17.00	56.3 %	1801	1801
				Arm J4:3 Ahead	Inf	43.7 %		
J1:4/2 (A269 London Road)	2.75	0.00	N	Arm J1:6 Right	16.00	100.0 %	1856	1856
J1:5/1	Infinite Saturation Flow						Inf	Inf
J1:5/2	Infinite Saturation Flow						Inf	Inf
J1:6/1	Infinite Saturation Flow						Inf	Inf
J1:6/2	Infinite Saturation Flow						Inf	Inf
J1:7/1	Infinite Saturation Flow						Inf	Inf

Junction: J2: A259/Downs Road								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J2:1/1 (A259 Little Common Road)	3.50	0.00	Y	Arm J1:1 Ahead	Inf	90.8 %	1941	1941
				Arm J2:5 Left	11.00	9.2 %		
J2:1/2 (A259 Little Common Road)	3.50	0.00	Y	Arm J1:1 Ahead	Inf	100.0 %	1965	1965
J2:2/1 (Downs Road)	4.00	0.00	Y	Arm J1:1 Left	11.00	100.0 %	1773	1773
J2:2/2 (Downs Road)	2.50	0.00	N	Arm J2:4 Right	11.00	100.0 %	1764	1764
J2:3/1 (A259 Belle Hill East)	3.35	0.00	Y	Arm J2:4 Ahead	Inf	100.0 %	1950	1950
J2:3/2 (A259 Belle Hill East)	3.30	0.00	N	Arm J2:4 Ahead	Inf	100.0 %	2085	2085
J2:3/3 (A259 Belle Hill East)	2.60	0.00	N	Arm J2:5 Right	6.00	100.0 %	1612	1612
J2:4/1	Infinite Saturation Flow						Inf	Inf
J2:5/1	Infinite Saturation Flow						Inf	Inf

Junction: J3: London Road / Beeching Road								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J3:1/1 (London Road South)	3.80	0.00	Y	Arm J1:4 Ahead	Inf	97.5 %	1987	1987
				Arm J3:4 Left	9.00	2.5 %		
J3:2/1 (Beeching Road)	3.85	0.00	Y	Arm J1:4 Left	8.00	97.1 %	1680	1680
				Arm J3:5 Right	5.00	2.9 %		
J3:3/1 (London Road North)	3.95	0.00	Y	Arm J3:4 Right	6.00	34.1 %	1852	1852
				Arm J3:5 Ahead	Inf	65.9 %		
J3:4/1	Infinite Saturation Flow						Inf	Inf
J3:5/1	Infinite Saturation Flow						Inf	Inf

Junction: J4: A269/London Rd Bus Gate								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J4:1/1 (A269 North Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:1/2 (A269 North Lane 2)	Infinite Saturation Flow						Inf	Inf
J4:2/1 (London Road Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:3/1 (A269 South Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:4/1	Infinite Saturation Flow						Inf	Inf
J4:5/1	Infinite Saturation Flow						Inf	Inf
J4:6/1	Infinite Saturation Flow						Inf	Inf
J4:6/2	Infinite Saturation Flow						Inf	Inf

Scenario 10: '2031 Assessment Flows - PM Peak' (FG10: '2031 Assessment Flows - PM Peak', Plan 1: 'Capture Double')

Traffic Flows, Desired

Desired Flow :

		Destination							
		A	B	C	D	E	F	G	Tot.
Origin	A	0	0	114	388	147	277	74	1000
	B	0	0	0	1	0	1	0	2
	C	3	0	0	42	16	345	92	498
	D	213	1	118	0	14	207	55	608
	E	71	0	40	5	0	68	18	202
	F	431	1	338	127	47	0	18	962
	G	86	0	68	26	9	42	0	231
	Tot.	804	2	678	589	233	940	257	3503

Traffic Lane Flows

Lane	Scenario 10: 2031 Assessment Flows - PM Peak
Junction: J1: A259/A269	
J1:1/1	518
J1:1/2 (with short)	615(In) 406(Out)
J1:1/3 (short)	209
J1:2/1	243
J1:2/2 (with short)	255(In) 252(Out)
J1:2/3 (short)	3
J1:3/1	650
J1:3/2	352
J1:4/1 (with short)	791(In) 633(Out)
J1:4/2 (short)	158
J1:5/1	738
J1:5/2	399
J1:6/1	340
J1:6/2	338
J1:7/1	803
Junction: J2: A259/Downs Road	
J2:1/1 (short)	450
J2:1/2 (with short)	962(In) 512(Out)
J2:2/1 (with short)	231(In) 189(Out)
J2:2/2 (short)	42
J2:3/1	738
J2:3/2 (with short)	399(In) 160(Out)
J2:3/3 (short)	239
J2:4/1	940
J2:5/1	257
Junction: J3: London Road / Beeching Road	
J3:1/1	608
J3:2/1	202
J3:3/1	803
J3:4/1	233
J3:5/1	589
Junction: J4: A269/London Rd Bus Gate	
J4:1/1	649

J4:1/2	351
J4:2/1	2
J4:3/1	806
J4:4/1	804
J4:5/1	2
J4:6/1	650
J4:6/2	352

Lane Saturation Flows

Junction: J1: A259/A269

Lane	Lane Width (m)	Gradient	Nearside Lane	Allowed Turns	Turning Radius (m)	Turning Prop.	Sat Flow (PCU/Hr)	Flared Sat Flow (PCU/Hr)
J1:1/1 (A259 Little Common Road (W))	3.60	0.00	Y	Arm J4:3 Left	15.00	100.0 %	1795	1795
J1:1/2 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:6 Ahead	Inf	100.0 %	2130	2130
J1:1/3 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:7 Right	15.00	100.0 %	1936	1936
J1:2/1 (A259 Belle Hill (E))	3.30	0.00	Y	Arm J1:5 Ahead	Inf	76.1 %	1878	1878
				Arm J1:7 Left	10.00	23.9 %		
J1:2/2 (A259 Belle Hill (E))	3.30	0.00	N	Arm J1:5 Ahead	Inf	100.0 %	2085	2085
J1:2/3 (A259 Belle Hill (E))	3.30	0.00	N	Arm J4:3 Right	15.00	100.0 %	1895	1895
J1:3/1 (A269 Combe Valley Way)	3.50	0.00	Y	Arm J1:6 Left	18.00	17.5 %	1937	1937
				Arm J1:7 Ahead	Inf	82.5 %		
J1:3/2 (A269 Combe Valley Way)	3.75	0.00	N	Arm J1:5 Right	15.00	100.0 %	1936	1936
J1:4/1 (A269 London Road)	2.75	0.00	Y	Arm J1:5 Left	17.00	55.0 %	1803	1803
				Arm J4:3 Ahead	Inf	45.0 %		
J1:4/2 (A269 London Road)	2.75	0.00	N	Arm J1:6 Right	16.00	100.0 %	1856	1856
J1:5/1	Infinite Saturation Flow						Inf	Inf
J1:5/2	Infinite Saturation Flow						Inf	Inf
J1:6/1	Infinite Saturation Flow						Inf	Inf
J1:6/2	Infinite Saturation Flow						Inf	Inf
J1:7/1	Infinite Saturation Flow						Inf	Inf

Junction: J2: A259/Downs Road								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J2:1/1 (A259 Little Common Road)	3.50	0.00	Y	Arm J1:1 Ahead	Inf	96.0 %	1954	1954
				Arm J2:5 Left	11.00	4.0 %		
J2:1/2 (A259 Little Common Road)	3.50	0.00	Y	Arm J1:1 Ahead	Inf	100.0 %	1965	1965
J2:2/1 (Downs Road)	4.00	0.00	Y	Arm J1:1 Left	11.00	100.0 %	1773	1773
J2:2/2 (Downs Road)	2.50	0.00	N	Arm J2:4 Right	11.00	100.0 %	1764	1764
J2:3/1 (A259 Belle Hill East)	3.35	0.00	Y	Arm J2:4 Ahead	Inf	100.0 %	1950	1950
J2:3/2 (A259 Belle Hill East)	3.30	0.00	N	Arm J2:4 Ahead	Inf	100.0 %	2085	2085
J2:3/3 (A259 Belle Hill East)	2.60	0.00	N	Arm J2:5 Right	6.00	100.0 %	1612	1612
J2:4/1	Infinite Saturation Flow						Inf	Inf
J2:5/1	Infinite Saturation Flow						Inf	Inf

Junction: J3: London Road / Beeching Road								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J3:1/1 (London Road South)	3.80	0.00	Y	Arm J1:4 Ahead	Inf	97.7 %	1987	1987
				Arm J3:4 Left	9.00	2.3 %		
J3:2/1 (Beeching Road)	3.85	0.00	Y	Arm J1:4 Left	8.00	97.5 %	1680	1680
				Arm J3:5 Right	5.00	2.5 %		
J3:3/1 (London Road North)	3.95	0.00	Y	Arm J3:4 Right	6.00	27.3 %	1882	1882
				Arm J3:5 Ahead	Inf	72.7 %		
J3:4/1	Infinite Saturation Flow						Inf	Inf
J3:5/1	Infinite Saturation Flow						Inf	Inf

Junction: J4: A269/London Rd Bus Gate								
Lane	**Lane Width (m)**	**Gradient**	**Nearside Lane**	**Allowed Turns**	**Turning Radius (m)**	**Turning Prop.**	**Sat Flow (PCU/Hr)**	**Flared Sat Flow (PCU/Hr)**
J4:1/1 (A269 North Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:1/2 (A269 North Lane 2)	Infinite Saturation Flow						Inf	Inf
J4:2/1 (London Road Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:3/1 (A269 South Lane 1)	Infinite Saturation Flow						Inf	Inf
J4:4/1	Infinite Saturation Flow						Inf	Inf
J4:5/1	Infinite Saturation Flow						Inf	Inf
J4:6/1	Infinite Saturation Flow						Inf	Inf
J4:6/2	Infinite Saturation Flow						Inf	Inf

Scenario 11: '2025 Assessment Flows - AM Peak - Sensitivity Test' (FG11: '2025 Assessment Flows - AM Peak - Sensitivity Test', Plan 1: 'Capture Double')

Traffic Flows, Desired

Desired Flow :

		Destination							
		A	B	C	D	E	F	G	Tot.
Origin	A	0	0	63	479	246	312	65	1165
	B	0	0	0	2	2	1	0	5
	C	3	0	0	40	20	301	64	428
	D	160	2	42	0	10	173	36	423
	E	62	0	16	5	0	68	13	164
	F	389	4	397	130	67	0	40	1027
	G	87	2	91	30	16	17	0	243
	Tot.	701	8	609	686	361	872	218	3455

Traffic Lane Flows

Lane	Scenario 11: 2025 Assessment Flows - AM Peak - Sensitivity Test
Junction: J1: A259/A269	
J1:1/1	482
J1:1/2 (with short)	731(In) 488(Out)
J1:1/3 (short)	243
J1:2/1	217
J1:2/2 (with short)	211(In) 208(Out)
J1:2/3 (short)	3
J1:3/1	792
J1:3/2	378
J1:4/1 (with short)	572(In) 514(Out)
J1:4/2 (short)	58
J1:5/1	711
J1:5/2	322
J1:6/1	306
J1:6/2	303
J1:7/1	1032
Junction: J2: A259/Downs Road	
J2:1/1 (short)	433
J2:1/2 (with short)	1027(In) 594(Out)
J2:2/1 (with short)	243(In) 226(Out)
J2:2/2 (short)	17
J2:3/1	711
J2:3/2 (with short)	322(In) 144(Out)
J2:3/3 (short)	178
J2:4/1	872
J2:5/1	218
Junction: J3: London Road / Beeching Road	
J3:1/1	423
J3:2/1	164
J3:3/1	1032
J3:4/1	361
J3:5/1	686
Junction: J4: A269/London Rd Bus Gate	

J4:1/1	788
J4:1/2	377
J4:2/1	5
J4:3/1	709
J4:4/1	701
J4:5/1	8
J4:6/1	792
J4:6/2	378

Lane Saturation Flows

Junction: J1: A259/A269

Lane	Lane Width (m)	Gradient	Nearside Lane	Allowed Turns	Turning Radius (m)	Turning Prop.	Sat Flow (PCU/Hr)	Flared Sat Flow (PCU/Hr)
J1:1/1 (A259 Little Common Road (W))	3.60	0.00	Y	Arm J4:3 Left	15.00	100.0 %	1795	1795
J1:1/2 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:6 Ahead	Inf	100.0 %	2130	2130
J1:1/3 (A259 Little Common Road (W))	3.75	0.00	N	Arm J1:7 Right	15.00	100.0 %	1936	1936
J1:2/1 (A259 Belle Hill (E))	3.30	0.00	Y	Arm J1:5 Ahead	Inf	72.4 %	1868	1868
				Arm J1:7 Left	10.00	27.6 %		
J1:2/2 (A259 Belle Hill (E))	3.30	0.00	N	Arm J1:5 Ahead	Inf	100.0 %	2085	2085
J1:2/3 (A259 Belle Hill (E))	3.30	0.00	N	Arm J4:3 Right	15.00	100.0 %	1895	1895
J1:3/1 (A269 Combe Valley Way)	3.50	0.00	Y	Arm J1:6 Left	18.00	8.0 %	1952	1952
				Arm J1:7 Ahead	Inf	92.0 %		
J1:3/2 (A269 Combe Valley Way)	3.75	0.00	N	Arm J1:5 Right	15.00	100.0 %	1936	1936
J1:4/1 (A269 London Road)	2.75	0.00	Y	Arm J1:5 Left	17.00	56.4 %	1800	1800
				Arm J4:3 Ahead	Inf	43.6 %		
J1:4/2 (A269 London Road)	2.75	0.00	N	Arm J1:6 Right	16.00	100.0 %	1856	1856
J1:5/1	Infinite Saturation Flow						Inf	Inf
J1:5/2	Infinite Saturation Flow						Inf	Inf
J1:6/1	Infinite Saturation Flow						Inf	Inf
J1:6/2	Infinite Saturation Flow						Inf	Inf
J1:7/1	Infinite Saturation Flow						Inf	Inf