

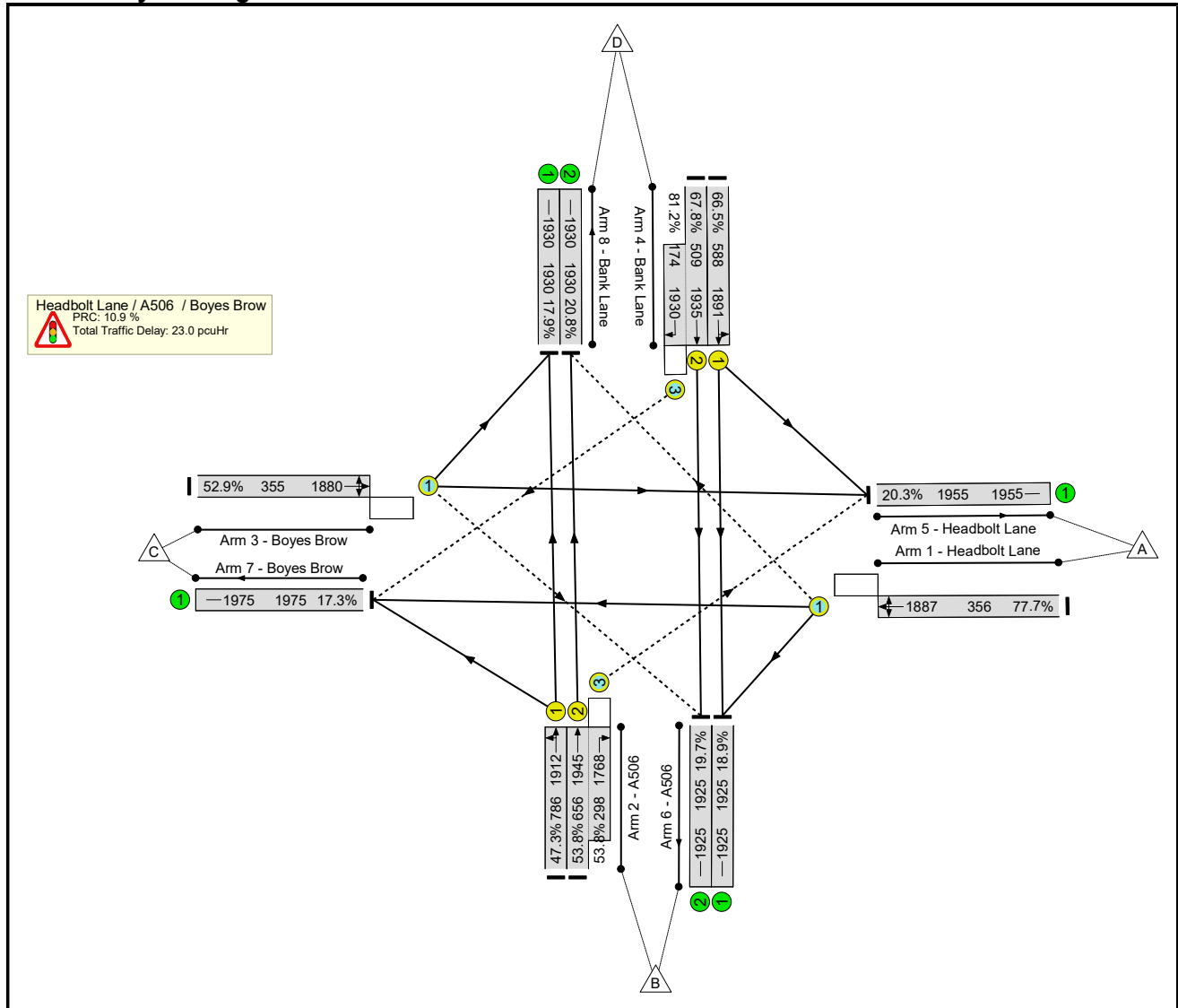
Network Results

C1	PRC for Signalled Lanes (%):	-56.5	Total Delay for Signalled Lanes (pcuHr):	113.93	Cycle Time (s): 90
	PRC Over All Lanes (%):	-56.5	Total Delay Over All Lanes(pcuHr):	114.82	

Basic Results Summary

Scenario 11: '2028 AM Base + Com + Dev' (FG15: '2028 AM Base + Com + Dev', Plan 1: 'Network Control Plan 1')

Network Layout Diagram



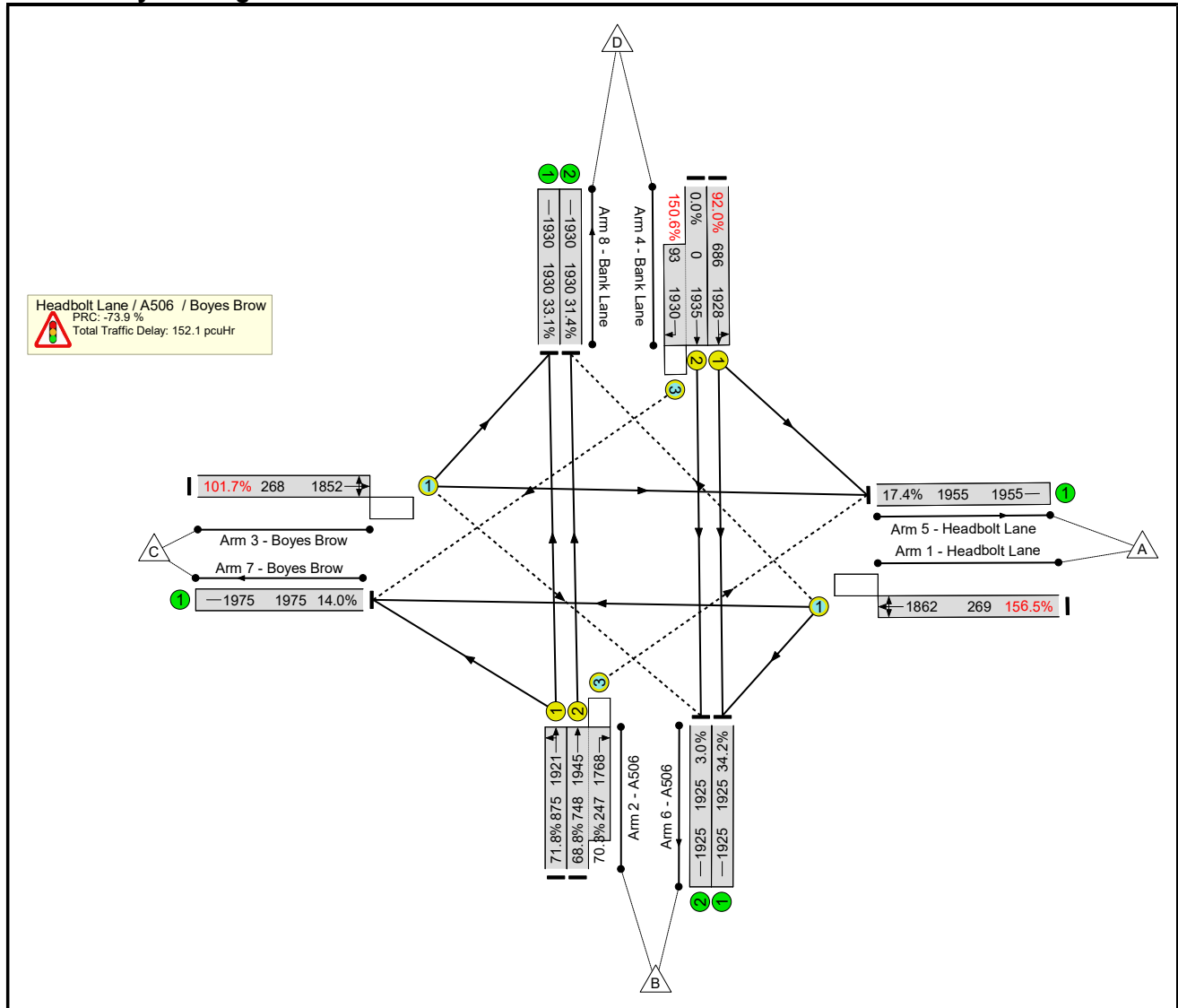
Network Results

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	-	-	-		-	-	-	-	-	-	81.2%	305	74	4	23.0	-	-
Headbolt Lane / A506 / Boyes Brow	-	-	-		-	-	-	-	-	-	81.2%	305	74	4	23.0	-	-
1/1	Headbolt Lane Left Ahead Right	O	C		1	16	-	277	1887	356	77.7%	47	0	1	4.4	56.9	8.2
2/1	A506 Left Ahead	U	A		1	36	-	372	1912	786	47.3%	-	-	-	2.5	23.7	7.2
2/2+2/3	A506 Right Ahead	U+O	A	K	1	36	4	513	1945:1768	656+298	53.8 : 53.8%	82	74	4	4.0 (2.3+1.7)	27.8 (23.1:38.2)	6.9
3/1	Boyes Brow Ahead Right Left	O	D		1	16	-	188	1880	355	52.9%	35	0	0	2.4	45.1	4.8
4/1	Bank Lane Left Ahead	U	B		1	27	-	391	1891	588	66.5%	-	-	-	3.9	36.0	9.5
4/2+4/3	Bank Lane Ahead Right	U+O	B	L	1	27	0	486	1935:1930	509+174	67.8 : 81.2%	141	0	0	5.3 (3.4+1.9)	39.0 (35.0:48.8)	8.6
5/1	Headbolt Lane	U	-		-	-	-	397	1955	1955	20.3%	-	-	-	0.1	1.2	0.1
6/1	A506	U	-		-	-	-	363	1925	1925	18.9%	-	-	-	0.1	1.2	0.1
6/2	A506	U	-		-	-	-	380	1925	1925	19.7%	-	-	-	0.1	1.2	0.1
7/1	Boyes Brow	U	-		-	-	-	341	1975	1975	17.3%	-	-	-	0.1	1.1	0.1
8/1	Bank Lane	U	-		-	-	-	345	1930	1930	17.9%	-	-	-	0.1	1.1	0.1
8/2	Bank Lane	U	-		-	-	-	401	1930	1930	20.8%	-	-	-	0.1	1.2	0.1
C1 PRC for Signalled Lanes (%): 10.9 Total Delay for Signalled Lanes (pcuHr): 22.33 Cycle Time (s): 90 PRC Over All Lanes (%): 10.9 Total Delay Over All Lanes(pcuHr): 23.04																	

Basic Results Summary

Scenario 12: '2028 PM Base + Com + Dev' (FG16: '2028 PM Base + Com + Dev', Plan 1: 'Network Control Plan 1')

Network Layout Diagram



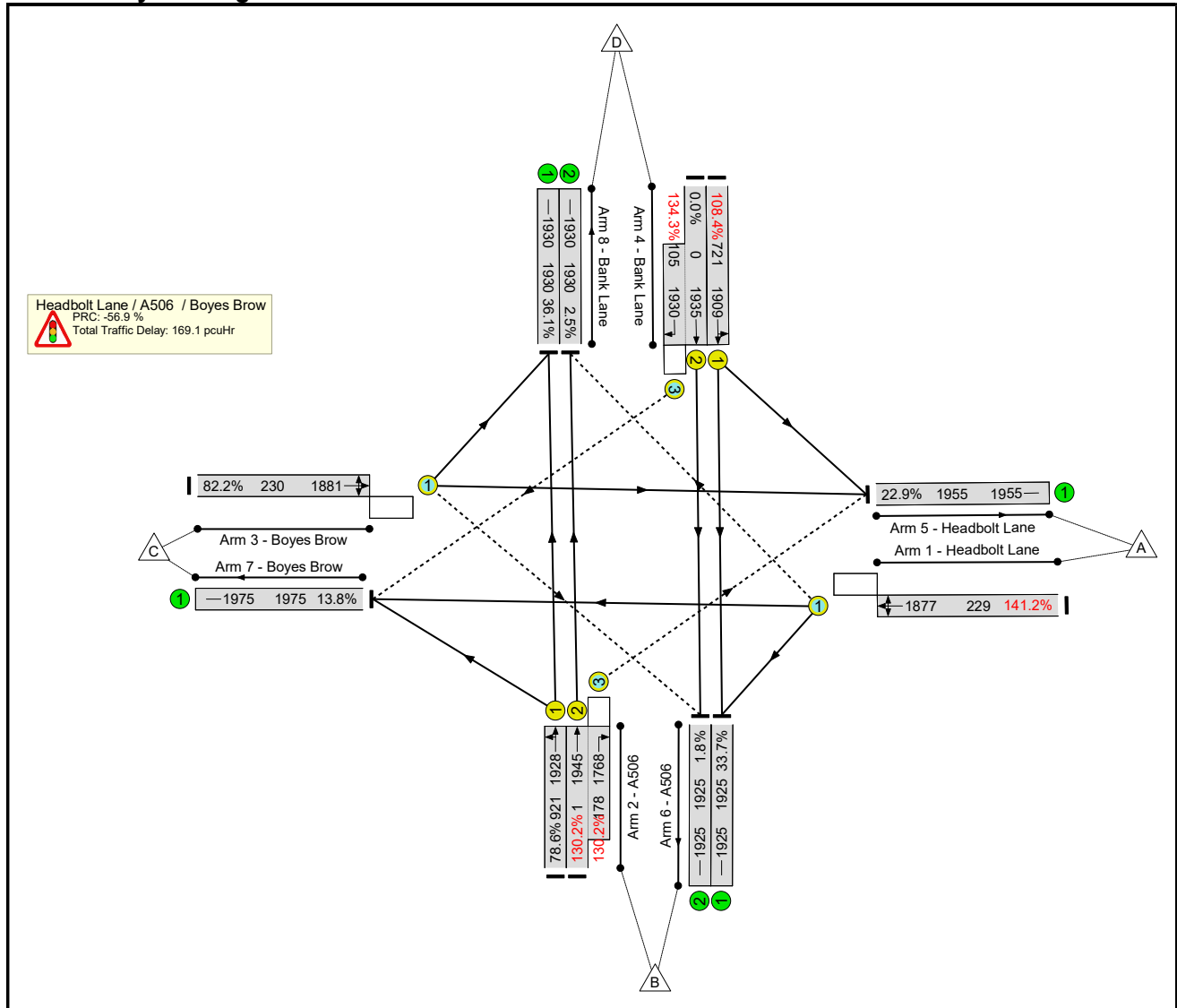
Network Results

C1	PRC for Signalled Lanes (%):	-73.9	Total Delay for Signalled Lanes (pcuHr):	151.20	Cycle Time (s):	90
	PRC Over All Lanes (%):	-73.9	Total Delay Over All Lanes(pcuHr):	152.14		

Basic Results Summary

Scenario 13: '2028 AM Base + Com + Dev (Future Provision)' (FG19: '2028 AM Base + Com + Dev (Future Provision)', Plan 1: 'Network Control Plan 1')

Network Layout Diagram

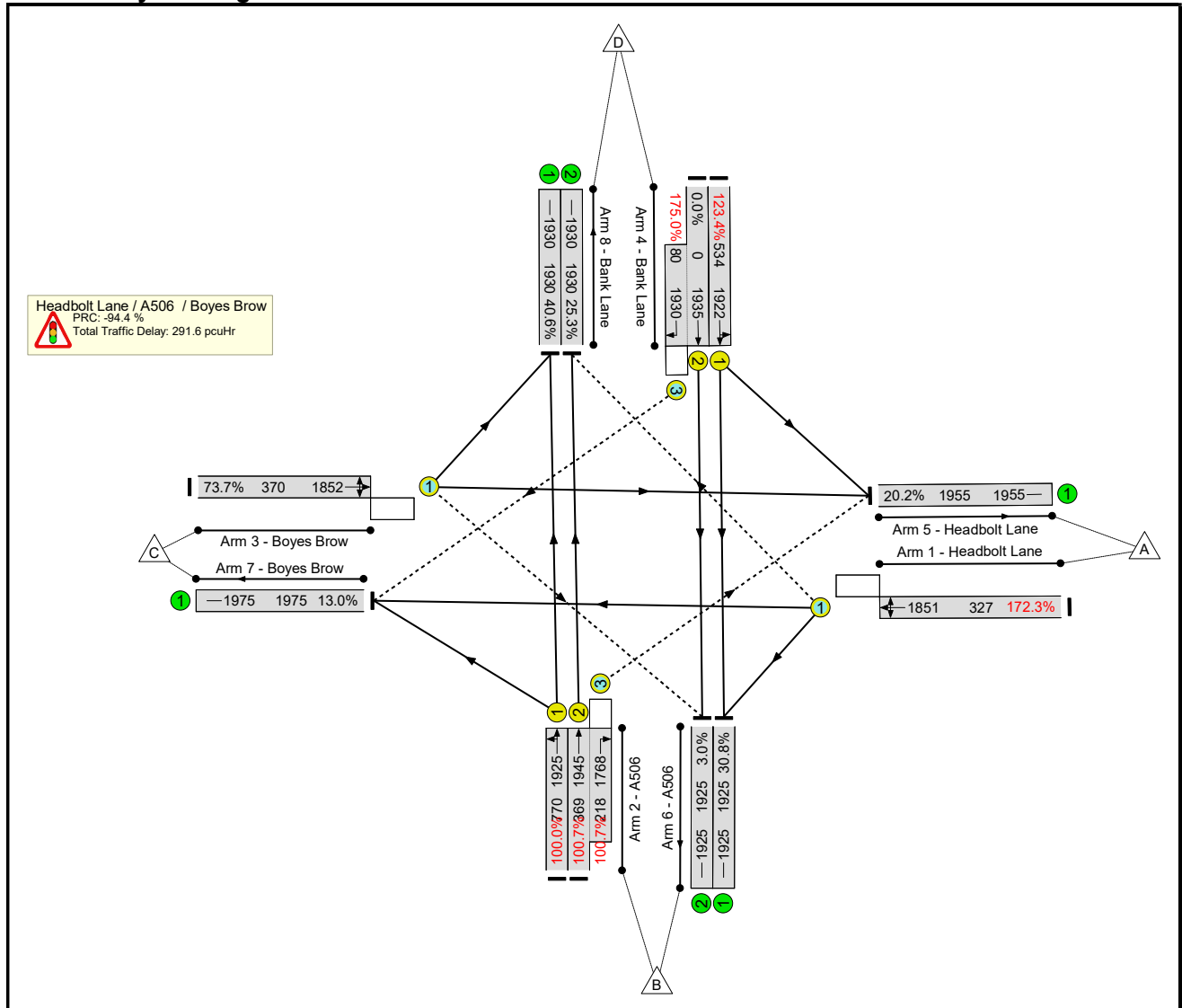


Network Results

Basic Results Summary

Scenario 14: '2028 PM Base + Com + Dev (Future Provision)' (FG20: '2028 PM Base + Com + Dev (Future Provision)', Plan 1: 'Network Control Plan 1')

Network Layout Diagram



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	-	-	-		-	-	-	-	-	-	175.0%	129	177	166	291.6	-	-
Headbolt Lane / A506 / Boyes Brow	-	-	-		-	-	-	-	-	-	175.0%	129	177	166	291.6	-	-
1/1	Headbolt Lane Left Ahead Right	O	C		1	17	-	563	1851	327	172.3%	74	0	42	137.3	878.0	144.7
2/1	A506 Left Ahead	U	A		1	35	-	770	1925	770	100.0%	-	-	-	19.6	91.9	33.1
2/2+2/3	A506 Right Ahead	U+O	A	K	1	35	6	591	1945:1768	369+218	100.7 : 100.7%	0	177	41	17.7 (10.4+7.4)	108.0 (100.4:120.9)	20.0
3/1	Boyes Brow Ahead Right Left	O	D		1	17	-	273	1852	370	73.7%	55	0	3	4.0	52.9	7.7
4/1	Bank Lane Left Ahead	U	B		1	24	-	659	1922	534	123.4%	-	-	-	76.4	417.5	84.7
4/2+4/3	Bank Lane Ahead Right	U+O	B	L	1	24	0	140	1935:1930	0+80	0.0 : 175.0%	0	0	80	35.5 (0.0+35.5)	913.8 (0.0:913.8)	36.1
5/1	Headbolt Lane	U	-		-	-	-	416	1955	1955	20.2%	-	-	-	0.1	1.2	0.1
6/1	A506	U	-		-	-	-	800	1925	1925	30.8%	-	-	-	0.2	1.4	0.2
6/2	A506	U	-		-	-	-	58	1925	1925	3.0%	-	-	-	0.0	1.0	0.0
7/1	Boyes Brow	U	-		-	-	-	368	1975	1975	13.0%	-	-	-	0.1	1.0	0.1
8/1	Bank Lane	U	-		-	-	-	783	1930	1930	40.6%	-	-	-	0.3	1.6	0.3
8/2	Bank Lane	U	-		-	-	-	571	1930	1930	25.3%	-	-	-	0.2	1.2	0.2
C1 PRC for Signalled Lanes (%): -94.4 Total Delay for Signalled Lanes (pcuHr): 290.66 Cycle Time (s): 90 PRC Over All Lanes (%): -94.4 Total Delay Over All Lanes(pcuHr): 291.61																	

Junctions 9	
PICADY 9 - Priority Intersection Module	
Version: 9.5.1.7462 © Copyright TRL Limited, 2019	
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Filename: Shevington_Stopgate_Pingwood.j9

Path: C:\Users\rachel.cornfoot\Arup\HBL New Station - Project Files\01 Engineering\04 Internal Project Data\Transport Planning\Junction Models

Report generation date: 14/05/2021 15:40:24

»2021 Base, AM
 »2021 Base, PM
 »2023 Base, AM
 »2023 Base, PM
 »2028 Base, AM
 »2028 Base, PM
 »2023 Base + Com, AM
 »2023 Base + Com, PM
 »2028 Base + Com, AM
 »2028 Base + Com, PM
 »2023 Base + Com + Dev, AM
 »2023 Base + Com + Dev, PM
 »2028 Base + Com + Dev, AM
 »2028 Base + Com + Dev, PM
 »2028 Base + Com + Dev (500 Spaces), AM
 »2028 Base + Com + Dev (500 Spaces), PM

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	2021 Base									
Stream B-C	D1	0.2	16.66	0.15	C	D2	0.0	7.49	0.02	A
Stream B-A		3.7	31.41	0.80	D		0.3	8.76	0.21	A
Stream C-AB		0.0	5.74	0.03	A		0.1	6.75	0.06	A
	2023 Base									
Stream B-C	D3	0.2	17.80	0.16	C	D4	0.0	7.52	0.02	A
Stream B-A		4.0	33.04	0.81	D		0.3	8.83	0.21	A
Stream C-AB		0.0	5.76	0.03	A		0.1	6.78	0.06	A
	2028 Base									
Stream B-C	D5	0.3	24.58	0.21	C	D6	0.0	7.58	0.02	A
Stream B-A		5.2	41.91	0.86	E		0.3	8.98	0.22	A
Stream C-AB		0.0	5.78	0.03	A		0.1	6.85	0.06	A
	2023 Base + Com									
Stream B-C	D7	0.2	17.80	0.16	C	D8	0.0	7.52	0.02	A
Stream B-A		4.0	33.04	0.81	D		0.3	8.83	0.21	A
Stream C-AB		0.0	5.76	0.03	A		0.1	6.78	0.06	A
	2028 Base + Com									
Stream B-C	D9	0.3	24.58	0.21	C	D10	0.0	7.58	0.02	A
Stream B-A		5.2	41.91	0.86	E		0.3	8.98	0.22	A
Stream C-AB		0.0	5.78	0.03	A		0.1	6.85	0.06	A
	2023 Base + Com + Dev									
Stream B-C	D11	0.2	20.81	0.18	C	D12	0.0	7.57	0.02	A
Stream B-A		4.6	37.56	0.84	E		0.3	8.97	0.22	A
Stream C-AB		0.0	5.76	0.03	A		0.1	6.82	0.06	A
	2028 Base + Com + Dev									
Stream B-C	D13	0.3	29.15	0.24	D	D14	0.0	7.63	0.02	A
Stream B-A		5.8	46.04	0.87	E		0.3	9.15	0.23	A
Stream C-AB		0.0	5.78	0.03	A		0.1	6.89	0.06	A
	2028 Base + Com + Dev (500 Spaces)									
Stream B-C	D15	0.5	45.74	0.34	E	D16	0.0	7.71	0.02	A
Stream B-A		7.1	55.16	0.90	F		0.3	9.39	0.25	A
Stream C-AB		0.0	5.80	0.03	A		0.1	6.95	0.06	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.

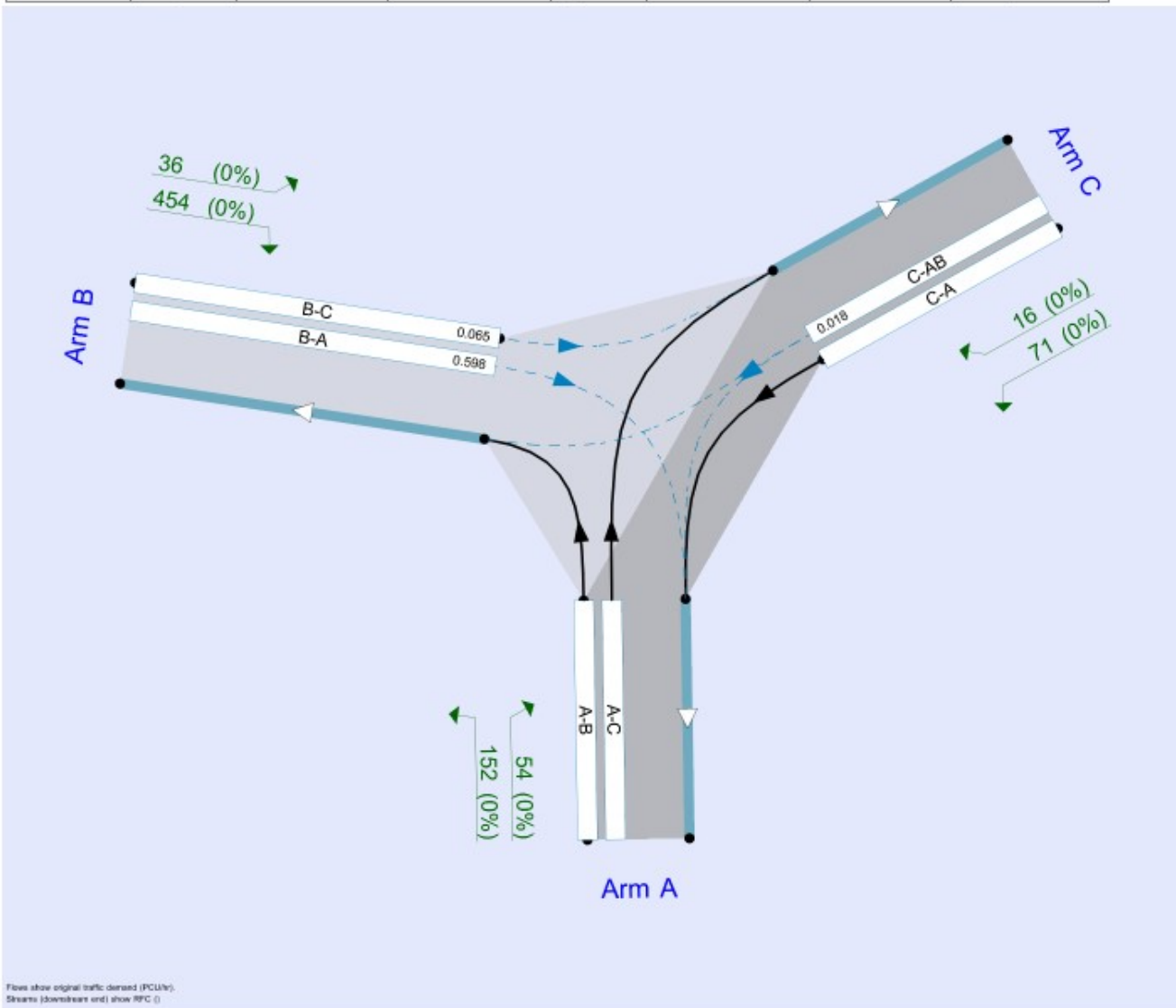
File summary

File Description

Title	
Location	
Site number	
Date	18/03/2021
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	GLOBAL\Rachel.Cornfoot
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



The junction diagram reflects the last run of Junctions.

Analysis Options

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

100% 100%

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D1	2021 Base	AM	ONE HOUR	07:30	09:00	15
D2	2021 Base	PM	ONE HOUR	16:00	17:30	15
D3	2023 Base	AM	ONE HOUR	07:30	09:00	15
D4	2023 Base	PM	ONE HOUR	16:00	17:30	15
D5	2028 Base	AM	ONE HOUR	07:30	09:00	15
D6	2028 Base	PM	ONE HOUR	16:00	17:30	15
D7	2023 Base + Com	AM	ONE HOUR	07:30	09:00	15
D8	2023 Base + Com	PM	ONE HOUR	16:00	17:30	15
D9	2028 Base + Com	AM	ONE HOUR	07:30	09:00	15
D10	2028 Base + Com	PM	ONE HOUR	16:00	17:30	15
D11	2023 Base + Com + Dev	AM	ONE HOUR	07:30	09:00	15
D12	2023 Base + Com + Dev	PM	ONE HOUR	16:00	17:30	15
D13	2028 Base + Com + Dev	AM	ONE HOUR	07:30	09:00	15
D14	2028 Base + Com + Dev	PM	ONE HOUR	16:00	17:30	15
D15	2028 Base + Com + Dev (500 Spaces)	AM	ONE HOUR	07:30	09:00	15
D16	2028 Base + Com + Dev (500 Spaces)	PM	ONE HOUR	16:00	17:30	15

Analysis Set Details

ID	Network flow scaling factor (%)
A1	100.000

2021 Base, AM

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.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Shevington's Lane / Pingwood Lane / Stopgate Lane	T-Junction	Two-way		18.99	C

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	Pingwood Lane	Pingwood Lane	Major
B	Shevington's Lane	Shevington's Lane	Minor
C	Stopgate Lane	Stopgate Lane	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	7.70		✓	2.90	120.0	✓	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	5.80	4.60	4.55	4.20	✓	2.00	60	58

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	611	0.103	0.260	0.164	0.372
B-C	570	0.081	0.204	-	-
C-B	692	0.248	0.248	-	-

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)
D1	2021 Base	AM	ONE HOUR	07:30	09:00	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		✓	185	100.000
B		✓	440	100.000
C		✓	81	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	134	51
	B	408	0	34
	C	66	15	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	0.15	18.88	0.2	C
B-A	0.80	31.41	3.7	D
C-AB	0.03	5.74	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

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	26	446	0.057	25	0.1	8.544	A
B-A	306	578	0.529	301	1.1	12.826	B
C-AB	11	659	0.017	11	0.0	5.559	A
C-A	50			50			
A-B	101			101			
A-C	38			38			

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	31	389	0.079	30	0.1	10.036	B
B-A	365	571	0.639	363	1.7	17.032	C
C-AB	14	652	0.021	13	0.0	5.634	A
C-A	59			59			
A-B	120			120			
A-C	46			46			

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	37	265	0.141	37	0.2	15.743	C
B-A	447	559	0.800	440	3.5	28.663	D
C-AB	17	644	0.026	17	0.0	5.739	A
C-A	73			73			
A-B	148			148			
A-C	56			56			

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	37	253	0.148	37	0.2	16.663	C
B-A	447	559	0.800	446	3.7	31.406	D
C-AB	17	644	0.026	17	0.0	5.739	A
C-A	73			73			
A-B	148			148			
A-C	56			56			

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	31	375	0.081	31	0.1	10.457	B
B-A	365	567	0.643	372	1.9	19.062	C
C-AB	14	652	0.021	14	0.0	5.636	A
C-A	59			59			
A-B	120			120			
A-C	46			46			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	28	440	0.058	28	0.1	8.700	A
B-A	308	574	0.533	309	1.2	13.714	B
C-AB	11	659	0.017	11	0.0	5.562	A
C-A	50			50			
A-B	101			101			
A-C	38			38			

2021 Base, PM

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.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Shevington's Lane / Pingwood Lane / Stopgate Lane	T-Junction	Two-way		1.67	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

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)
D2	2021 Base	PM	ONE HOUR	16:00	17:30	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		✓	475	100.000
B		✓	107	100.000
C		✓	95	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	399	78
	B	97	0	10
	C	65	30	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	0.02	7.49	0.0	A
B-A	0.21	8.76	0.3	A
C-AB	0.06	6.75	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:00 - 16:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	8	518	0.015	7	0.0	7.052	A
B-A	73	547	0.134	72	0.2	7.582	A
C-AB	23	605	0.037	22	0.0	6.173	A
C-A	49			49			
A-B	300			300			
A-C	57			57			

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	9	507	0.018	9	0.0	7.229	A
B-A	87	535	0.163	87	0.2	8.042	A
C-AB	27	589	0.046	27	0.0	6.405	A
C-A	58			58			
A-B	359			359			
A-C	68			68			

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	11	491	0.022	11	0.0	7.492	A
B-A	107	518	0.206	107	0.3	8.747	A
C-AB	33	567	0.059	33	0.1	6.747	A
C-A	71			71			
A-B	439			439			
A-C	84			84			

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	11	491	0.022	11	0.0	7.493	A
B-A	107	518	0.206	107	0.3	8.757	A
C-AB	33	567	0.059	33	0.1	6.747	A
C-A	71			71			
A-B	439			439			
A-C	84			84			

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	9	507	0.018	9	0.0	7.234	A
B-A	87	535	0.163	87	0.2	8.058	A
C-AB	27	589	0.046	27	0.0	6.409	A
C-A	58			58			
A-B	359			359			
A-C	68			68			

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	8	518	0.015	8	0.0	7.058	A
B-A	73	547	0.134	73	0.2	7.606	A
C-AB	23	605	0.037	23	0.0	6.177	A
C-A	49			49			
A-B	300			300			
A-C	57			57			

2023 Base, AM

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.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Shevington's Lane / Pingwood Lane / Stopgate Lane	T-Junction	Two-way		19.97	C

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

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)
D3	2023 Base	AM	ONE HOUR	07:30	09:00	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		✓	189	100.000
B		✓	449	100.000
C		✓	83	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	137	52
	B	414	0	35
	C	67	18	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	0.16	17.80	0.2	C
B-A	0.81	33.04	4.0	D
C-AB	0.03	5.76	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

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	26	442	0.060	26	0.1	8.652	A
B-A	312	577	0.540	307	1.1	13.133	B
C-AB	12	658	0.018	12	0.0	5.572	A
C-A	50			50			
A-B	103			103			
A-C	39			39			

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	31	381	0.083	31	0.1	10.298	B
B-A	372	570	0.653	370	1.8	17.689	C
C-AB	14	652	0.022	14	0.0	5.649	A
C-A	60			60			
A-B	123			123			
A-C	47			47			

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	39	254	0.152	38	0.2	16.656	C
B-A	456	561	0.812	448	3.7	29.902	D
C-AB	18	643	0.027	18	0.0	5.758	A
C-A	74			74			
A-B	151			151			
A-C	57			57			

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	39	241	0.160	38	0.2	17.799	C
B-A	456	561	0.812	455	4.0	33.044	D
C-AB	18	643	0.027	18	0.0	5.758	A
C-A	74			74			
A-B	151			151			
A-C	57			57			

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	31	366	0.086	32	0.1	10.799	B
B-A	372	566	0.657	380	2.0	20.030	C
C-AB	14	652	0.022	14	0.0	5.651	A
C-A	60			60			
A-B	123			123			
A-C	47			47			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	26	436	0.060	26	0.1	8.792	A
B-A	312	577	0.540	315	1.2	13.903	B
C-AB	12	658	0.018	12	0.0	5.574	A
C-A	50			50			
A-B	103			103			
A-C	39			39			

2023 Base, PM

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.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Shevington's Lane / Pingwood Lane / Stopgate Lane	T-Junction	Two-way		1.67	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

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)
D4	2023 Base	PM	ONE HOUR	16:00	17:30	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		✓	484	100.000
B		✓	109	100.000
C		✓	96	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
From		A	B	C
	A	0	407	77
	B	99	0	10
	C	66	30	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	0.02	7.52	0.0	A
B-A	0.21	8.83	0.3	A
C-AB	0.06	6.78	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:00 - 16:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	8	517	0.015	7	0.0	7.070	A
B-A	75	546	0.137	74	0.2	7.618	A
C-AB	23	604	0.038	23	0.0	6.191	A
C-A	50			50			
A-B	306			306			
A-C	58			58			

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	9	505	0.018	9	0.0	7.251	A
B-A	89	534	0.167	89	0.2	8.094	A
C-AB	27	587	0.046	27	0.0	6.427	A
C-A	59			59			
A-B	366			366			
A-C	69			69			

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	11	490	0.022	11	0.0	7.520	A
B-A	109	517	0.211	109	0.3	8.819	A
C-AB	33	564	0.059	33	0.1	6.777	A
C-A	72			72			
A-B	448			448			
A-C	85			85			

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	11	490	0.022	11	0.0	7.521	A
B-A	109	517	0.211	109	0.3	8.830	A
C-AB	33	564	0.059	33	0.1	6.777	A
C-A	72			72			
A-B	448			448			
A-C	85			85			

Continued on next page

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	9	505	0.018	9	0.0	7.253	A
B-A	89	534	0.167	89	0.2	8.108	A
C-AB	27	587	0.046	27	0.0	6.428	A
C-A	59			59			
A-B	366			366			
A-C	69			69			

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	8	516	0.015	8	0.0	7.073	A
B-A	75	546	0.137	75	0.2	7.643	A
C-AB	23	604	0.038	23	0.0	6.197	A
C-A	50			50			
A-B	306			306			
A-C	58			58			

2028 Base, AM

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.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Shevington's Lane / Pingwood Lane / Stopgate Lane	T-Junction	Two-way		25.41	D

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

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)
D5	2028 Base	AM	ONE HOUR	07:30	09:00	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		✓	197	100.000
B		✓	468	100.000
C		✓	88	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	143	54
	B	432	0	38
	C	70	18	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	0.21	24.58	0.3	C
B-A	0.86	41.91	5.2	E
C-AB	0.03	5.78	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

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	27	429	0.063	27	0.1	8.941	A
B-A	325	572	0.569	320	1.3	14.044	B
C-AB	12	657	0.018	12	0.0	5.584	A
C-A	53			53			
A-B	108			108			
A-C	41			41			

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	32	358	0.090	32	0.1	11.054	B
B-A	388	565	0.687	385	2.1	19.661	C
C-AB	14	650	0.022	14	0.0	5.664	A
C-A	63			63			
A-B	129			129			
A-C	49			49			

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	40	207	0.192	39	0.2	21.477	C
B-A	476	555	0.856	465	4.7	36.062	E
C-AB	18	641	0.028	18	0.0	5.777	A
C-A	77			77			
A-B	157			157			
A-C	59			59			

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	40	186	0.213	40	0.3	24.585	C
B-A	476	555	0.856	474	5.2	41.911	E
C-AB	18	641	0.028	18	0.0	5.777	A
C-A	77			77			
A-B	157			157			
A-C	59			59			

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	32	338	0.096	33	0.1	11.808	B
B-A	388	565	0.687	400	2.3	23.058	C
C-AB	14	650	0.022	14	0.0	5.665	A
C-A	63			63			
A-B	129			129			
A-C	49			49			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	27	422	0.064	27	0.1	9.130	A
B-A	325	572	0.569	329	1.4	15.066	C
C-AB	12	657	0.018	12	0.0	5.585	A
C-A	53			53			
A-B	108			108			
A-C	41			41			

2028 Base, PM

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.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Shevington's Lane / Pingwood Lane / Stopgate Lane	T-Junction	Two-way		1.69	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

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)
D6	2028 Base	PM	ONE HOUR	16:00	17:30	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		✓	503	100.000
B		✓	112	100.000
C		✓	100	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	423	80
	B	102	0	10
	C	69	31	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	0.02	7.58	0.0	A
B-A	0.22	8.98	0.3	A
C-AB	0.06	6.85	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:00 - 16:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	8	514	0.015	7	0.0	7.103	A
B-A	77	544	0.141	76	0.2	7.689	A
C-AB	23	600	0.039	23	0.0	6.236	A
C-A	52			52			
A-B	318			318			
A-C	60			60			

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	9	503	0.018	9	0.0	7.292	A
B-A	92	531	0.173	92	0.2	8.189	A
C-AB	28	583	0.048	28	0.1	6.484	A
C-A	62			62			
A-B	380			380			
A-C	72			72			

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	11	486	0.023	11	0.0	7.575	A
B-A	112	513	0.219	112	0.3	8.964	A
C-AB	34	560	0.062	34	0.1	6.854	A
C-A	76			76			
A-B	466			466			
A-C	88			88			

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	11	486	0.023	11	0.0	7.576	A
B-A	112	513	0.219	112	0.3	8.977	A
C-AB	34	560	0.062	34	0.1	6.854	A
C-A	76			76			
A-B	466			466			
A-C	88			88			

16:00 - 16:15

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	9	502	0.018	9	0.0	7.297	A
B-A	92	531	0.173	92	0.2	8.207	A
C-AB	28	583	0.048	28	0.1	6.488	A
C-A	62			62			
A-B	380			380			
A-C	72			72			

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	8	514	0.015	8	0.0	7.109	A
B-A	77	544	0.141	77	0.2	7.719	A
C-AB	23	600	0.039	23	0.0	6.239	A
C-A	52			52			
A-B	318			318			
A-C	60			60			

2023 Base + Com, AM

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.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Shevington's Lane / Pingwood Lane / Stopgate Lane	T-Junction	Two-way		19.97	C

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

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)
D7	2023 Base + Com	AM	ONE HOUR	07:30	09:00	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		✓	189	100.000
B		✓	449	100.000
C		✓	83	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	137	52
	B	414	0	35
	C	67	18	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	0.16	17.80	0.2	C
B-A	0.81	33.04	4.0	D
C-AB	0.03	5.76	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

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	26	442	0.060	26	0.1	8.652	A
B-A	312	577	0.540	307	1.1	13.133	B
C-AB	12	658	0.018	12	0.0	5.572	A
C-A	50			50			
A-B	103			103			
A-C	39			39			

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	31	381	0.083	31	0.1	10.298	B
B-A	372	570	0.653	370	1.8	17.689	C
C-AB	14	652	0.022	14	0.0	5.649	A
C-A	60			60			
A-B	123			123			
A-C	47			47			

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	39	254	0.152	38	0.2	16.656	C
B-A	456	561	0.812	448	3.7	29.902	D
C-AB	18	643	0.027	18	0.0	5.758	A
C-A	74			74			
A-B	151			151			
A-C	57			57			

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	39	241	0.160	38	0.2	17.799	C
B-A	456	561	0.812	455	4.0	33.044	D
C-AB	18	643	0.027	18	0.0	5.758	A
C-A	74			74			
A-B	151			151			
A-C	57			57			

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	31	366	0.086	32	0.1	10.799	B
B-A	372	566	0.657	380	2.0	20.030	C
C-AB	14	652	0.022	14	0.0	5.651	A
C-A	60			60			
A-B	123			123			
A-C	47			47			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	26	436	0.060	26	0.1	8.792	A
B-A	312	577	0.540	315	1.2	13.903	B
C-AB	12	658	0.018	12	0.0	5.574	A
C-A	50			50			
A-B	103			103			
A-C	39			39			

2023 Base + Com, PM

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.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Shevington's Lane / Pingwood Lane / Stopgate Lane	T-Junction	Two-way		1.67	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

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)
D8	2023 Base + Com	PM	ONE HOUR	16:00	17:30	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		✓	484	100.000
B		✓	109	100.000
C		✓	96	100.000

Origin-Destination Data

Demand (PCU/hr)

	To		
	A	B	C
From	A	0	407
	B	99	0
	C	66	30

Vehicle Mix

Heavy Vehicle Percentages

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.02	7.52	0.0	A
B-A	0.21	8.83	0.3	A
C-AB	0.06	6.78	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:00 - 16:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	8	517	0.015	7	0.0	7.070	A
B-A	75	546	0.137	74	0.2	7.618	A
C-AB	23	604	0.038	23	0.0	6.191	A
C-A	50			50			
A-B	306			306			
A-C	58			58			

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	9	505	0.018	9	0.0	7.251	A
B-A	89	534	0.167	89	0.2	8.094	A
C-AB	27	587	0.046	27	0.0	6.427	A
C-A	59			59			
A-B	366			366			
A-C	69			69			

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	11	490	0.022	11	0.0	7.520	A
B-A	109	517	0.211	109	0.3	8.819	A
C-AB	33	564	0.059	33	0.1	6.777	A
C-A	72			72			
A-B	448			448			
A-C	85			85			

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	11	490	0.022	11	0.0	7.521	A
B-A	109	517	0.211	109	0.3	8.830	A
C-AB	33	564	0.059	33	0.1	6.777	A
C-A	72			72			
A-B	448			448			
A-C	85			85			

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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	9	505	0.018	9	0.0	7.253	A
B-A	89	534	0.167	89	0.2	8.108	A
C-AB	27	587	0.046	27	0.0	6.428	A
C-A	59			59			
A-B	366			366			
A-C	69			69			

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	8	516	0.015	8	0.0	7.073	A
B-A	75	546	0.137	75	0.2	7.643	A
C-AB	23	604	0.038	23	0.0	6.197	A
C-A	50			50			
A-B	306			306			
A-C	58			58			

2028 Base + Com, AM

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.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Shevington's Lane / Pingwood Lane / Stopgate Lane	T-Junction	Two-way		25.41	D

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

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	2028 Base + Com	AM	ONE HOUR	07:30	09:00	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		✓	197	100.000
B		✓	468	100.000
C		✓	86	100.000

Origin-Destination Data

Demand (PCU/hr)

	To		
	A	B	C
From	A	0	143
	B	432	0
	C	70	16

Vehicle Mix

Heavy Vehicle Percentages

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.21	24.58	0.3	C
B-A	0.86	41.91	5.2	E
C-AB	0.03	5.78	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

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	27	429	0.063	27	0.1	8.941	A
B-A	325	572	0.569	320	1.3	14.044	B
C-AB	12	657	0.018	12	0.0	5.584	A
C-A	53			53			
A-B	108			108			
A-C	41			41			

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	32	358	0.090	32	0.1	11.054	B
B-A	388	565	0.687	385	2.1	19.661	C
C-AB	14	650	0.022	14	0.0	5.684	A
C-A	63			63			
A-B	129			129			
A-C	49			49			

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	40	207	0.192	39	0.2	21.477	C
B-A	476	555	0.856	465	4.7	36.062	E
C-AB	18	641	0.028	18	0.0	5.777	A
C-A	77			77			
A-B	157			157			
A-C	59			59			

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	40	188	0.213	40	0.3	24.585	C
B-A	476	555	0.856	474	5.2	41.911	E
C-AB	18	641	0.028	18	0.0	5.777	A
C-A	77			77			
A-B	157			157			
A-C	59			59			

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	32	338	0.096	33	0.1	11.808	B
B-A	388	565	0.687	400	2.3	23.058	C
C-AB	14	650	0.022	14	0.0	5.665	A
C-A	63			63			
A-B	129			129			
A-C	49			49			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	27	422	0.064	27	0.1	9.130	A
B-A	325	572	0.569	329	1.4	15.066	C
C-AB	12	657	0.018	12	0.0	5.585	A
C-A	53			53			
A-B	108			108			
A-C	41			41			

2028 Base + Com, PM

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.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Shevington's Lane / Pingwood Lane / Stopgate Lane	T-Junction	Two-way		1.69	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

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	2028 Base + Com	PM	ONE HOUR	16:00	17:30	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		✓	503	100.000
B		✓	112	100.000
C		✓	100	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	423	80
	B	102	0	10
	C	69	31	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	0.02	7.58	0.0	A
B-A	0.22	8.98	0.3	A
C-AB	0.06	6.85	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:00 - 16:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	8	514	0.015	7	0.0	7.103	A
B-A	77	544	0.141	76	0.2	7.689	A
C-AB	23	600	0.039	23	0.0	6.236	A
C-A	52			52			
A-B	318			318			
A-C	60			60			

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	9	503	0.018	9	0.0	7.292	A
B-A	92	531	0.173	92	0.2	8.189	A
C-AB	28	583	0.048	28	0.1	6.484	A
C-A	62			62			
A-B	380			380			
A-C	72			72			

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	11	486	0.023	11	0.0	7.575	A
B-A	112	513	0.219	112	0.3	8.964	A
C-AB	34	560	0.062	34	0.1	6.854	A
C-A	76			76			
A-B	466			466			
A-C	88			88			

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	11	486	0.023	11	0.0	7.576	A
B-A	112	513	0.219	112	0.3	8.977	A
C-AB	34	560	0.062	34	0.1	6.854	A
C-A	76			76			
A-B	466			466			
A-C	88			88			

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	9	502	0.018	9	0.0	7.297	A
B-A	92	531	0.173	92	0.2	8.207	A
C-AB	28	583	0.048	28	0.1	6.488	A
C-A	62			62			
A-B	380			380			
A-C	72			72			

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	8	514	0.015	8	0.0	7.109	A
B-A	77	544	0.141	77	0.2	7.719	A
C-AB	23	600	0.039	23	0.0	6.239	A
C-A	52			52			
A-B	318			318			
A-C	60			60			

2023 Base + Com + Dev, AM

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.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Shevington's Lane / Pingwood Lane / Stopgate Lane	T-Junction	Two-way		22.76	C

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

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	2023 Base + Com + Dev	AM	ONE HOUR	07:30	09:00	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		✓	192	100.000
B		✓	458	100.000
C		✓	84	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	140	52
	B	423	0	35
	C	68	16	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	0.18	20.81	0.2	C
B-A	0.84	37.58	4.6	E
C-AB	0.03	5.76	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

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	26	435	0.061	26	0.1	8.799	A
B-A	318	573	0.556	314	1.2	13.657	B
C-AB	12	658	0.018	12	0.0	5.577	A
C-A	51			51			
A-B	105			105			
A-C	39			39			

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	31	368	0.085	31	0.1	10.683	B
B-A	380	566	0.672	377	1.9	18.778	C
C-AB	14	651	0.022	14	0.0	5.655	A
C-A	61			61			
A-B	126			126			
A-C	47			47			

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	39	228	0.169	38	0.2	18.871	C
B-A	466	557	0.836	457	4.2	33.137	D
C-AB	18	642	0.028	18	0.0	5.765	A
C-A	75			75			
A-B	154			154			
A-C	57			57			

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	39	211	0.182	38	0.2	20.808	C
B-A	466	557	0.836	464	4.6	37.557	E
C-AB	18	642	0.028	18	0.0	5.765	A
C-A	75			75			
A-B	154			154			
A-C	57			57			

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	31	353	0.089	32	0.1	11.241	B
B-A	380	566	0.672	390	2.2	21.405	C
C-AB	14	651	0.022	14	0.0	5.657	A
C-A	61			61			
A-B	126			126			
A-C	47			47			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	26	428	0.062	26	0.1	8.961	A
B-A	318	573	0.556	322	1.3	14.550	B
C-AB	12	658	0.018	12	0.0	5.579	A
C-A	51			51			
A-B	105			105			
A-C	39			39			

2023 Base + Com + Dev, PM

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.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Shevington's Lane / Pingwood Lane / Stopgate Lane	T-Junction	Two-way		1.72	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

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	2023 Base + Com + Dev	PM	ONE HOUR	16:00	17:30	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		✓	495	100.000
B		✓	114	100.000
C		✓	96	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	417	78
	B	104	0	10
	C	66	30	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	0.02	7.57	0.0	A
B-A	0.22	8.97	0.3	A
C-AB	0.06	6.82	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:00 - 16:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	8	514	0.015	7	0.0	7.101	A
B-A	78	545	0.144	78	0.2	7.686	A
C-AB	23	602	0.038	23	0.0	6.213	A
C-A	50			50			
A-B	314			314			
A-C	59			59			

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	9	503	0.018	9	0.0	7.289	A
B-A	93	533	0.175	93	0.2	8.186	A
C-AB	27	585	0.046	27	0.0	6.455	A
C-A	59			59			
A-B	375			375			
A-C	70			70			

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	11	486	0.023	11	0.0	7.571	A
B-A	115	516	0.222	114	0.3	8.961	A
C-AB	33	561	0.059	33	0.1	6.816	A
C-A	72			72			
A-B	459			459			
A-C	86			86			

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	11	486	0.023	11	0.0	7.572	A
B-A	115	516	0.222	114	0.3	8.973	A
C-AB	33	561	0.059	33	0.1	6.816	A
C-A	72			72			
A-B	459			459			
A-C	86			86			

Unsignalised level of service

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	9	503	0.018	9	0.0	7.292	A
B-A	93	533	0.175	94	0.2	8.204	A
C-AB	27	585	0.046	27	0.0	6.459	A
C-A	59			59			
A-B	375			375			
A-C	70			70			

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	8	514	0.015	8	0.0	7.108	A
B-A	78	545	0.144	78	0.2	7.716	A
C-AB	23	602	0.038	23	0.0	6.216	A
C-A	50			50			
A-B	314			314			
A-C	59			59			

2028 Base + Com + Dev, AM

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.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Shevington's Lane / Pingwood Lane / Stopgate Lane	T-Junction	Two-way		28.08	D

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

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	2028 Base + Com + Dev	AM	ONE HOUR	07:30	09:00	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		✓	200	100.000
B		✓	478	100.000
C		✓	88	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	148	54
	B	440	0	38
	C	70	18	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	0.24	29.15	0.3	D
B-A	0.87	46.04	5.8	E
C-AB	0.03	5.78	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

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	27	424	0.064	27	0.1	9.057	A
B-A	331	572	0.580	326	1.3	14.364	B
C-AB	12	656	0.018	12	0.0	5.589	A
C-A	53			53			
A-B	110			110			
A-C	41			41			

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	32	348	0.093	32	0.1	11.385	B
B-A	396	565	0.700	392	2.2	20.424	C
C-AB	14	649	0.022	14	0.0	5.670	A
C-A	63			63			
A-B	131			131			
A-C	49			49			

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	40	188	0.211	39	0.3	24.141	C
B-A	484	555	0.873	472	5.2	38.692	E
C-AB	18	640	0.028	18	0.0	5.785	A
C-A	77			77			
A-B	161			161			
A-C	59			59			

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	40	163	0.244	39	0.3	29.153	D
B-A	484	555	0.873	482	5.8	46.042	E
C-AB	18	640	0.028	18	0.0	5.785	A
C-A	77			77			
A-B	161			161			
A-C	59			59			

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	32	325	0.099	33	0.1	12.349	B
B-A	396	565	0.700	409	2.5	24.656	C
C-AB	14	649	0.022	14	0.0	5.673	A
C-A	63			63			
A-B	131			131			
A-C	49			49			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	27	416	0.065	27	0.1	9.271	A
B-A	331	572	0.579	336	1.4	15.514	C
C-AB	12	656	0.018	12	0.0	5.589	A
C-A	53			53			
A-B	110			110			
A-C	41			41			

2028 Base + Com + Dev, PM

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.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Shevington's Lane / Pingwood Lane / Stopgate Lane	T-Junction	Two-way		1.75	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

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	2028 Base + Com + Dev	PM	ONE HOUR	16:00	17:30	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		✓	514	100.000
B		✓	118	100.000
C		✓	100	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	433	81
	B	108	0	10
	C	69	31	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	0.02	7.63	0.0	A
B-A	0.23	9.15	0.3	A
C-AB	0.06	6.89	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:00 - 16:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	8	512	0.015	7	0.0	7.138	A
B-A	81	543	0.150	81	0.2	7.771	A
C-AB	23	598	0.039	23	0.0	6.258	A
C-A	52			52			
A-B	326			326			
A-C	61			61			

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	9	500	0.018	9	0.0	7.336	A
B-A	97	530	0.183	97	0.2	8.304	A
C-AB	28	581	0.048	28	0.1	6.513	A
C-A	62			62			
A-B	389			389			
A-C	73			73			

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	11	483	0.023	11	0.0	7.633	A
B-A	119	512	0.232	119	0.3	9.135	A
C-AB	34	557	0.062	34	0.1	6.893	A
C-A	76			76			
A-B	477			477			
A-C	89			89			

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	11	482	0.023	11	0.0	7.635	A
B-A	119	512	0.232	119	0.3	9.150	A
C-AB	34	557	0.062	34	0.1	6.893	A
C-A	76			76			
A-B	477			477			
A-C	89			89			

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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	9	499	0.018	9	0.0	7.342	A
B-A	97	530	0.183	97	0.2	8.324	A
C-AB	28	581	0.048	28	0.1	6.514	A
C-A	62			62			
A-B	389			389			
A-C	73			73			

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	8	511	0.015	8	0.0	7.142	A
B-A	81	543	0.150	82	0.2	7.803	A
C-AB	23	598	0.039	23	0.0	6.264	A
C-A	52			52			
A-B	328			328			
A-C	61			61			

2028 Base + Com + Dev (500 Spaces), AM

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.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Shevington's Lane / Pingwood Lane / Stopgate Lane	T-Junction	Two-way		34.20	D

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

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	2028 Base + Com + Dev (500 Spaces)	AM	ONE HOUR	07:30	09:00	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		✓	208	100.000
B		✓	490	100.000
C		✓	87	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	152	54
	B	454	0	38
	C	71	18	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	0.34	45.74	0.5	E
B-A	0.90	55.16	7.1	F
C-AB	0.03	5.80	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

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	27	415	0.065	27	0.1	9.278	A
B-A	342	571	0.598	338	1.4	14.973	B
C-AB	12	655	0.018	12	0.0	5.599	A
C-A	53			53			
A-B	114			114			
A-C	41			41			

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	32	331	0.098	32	0.1	12.055	B
B-A	408	564	0.723	404	2.4	21.923	C
C-AB	14	648	0.022	14	0.0	5.682	A
C-A	64			64			
A-B	137			137			
A-C	49			49			

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	40	151	0.262	39	0.3	31.803	D
B-A	500	555	0.901	485	6.2	44.079	E
C-AB	18	638	0.028	18	0.0	5.800	A
C-A	78			78			
A-B	167			167			
A-C	59			59			

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	40	117	0.338	39	0.5	45.739	E
B-A	500	555	0.901	496	7.1	55.159	F
C-AB	18	638	0.028	18	0.0	5.800	A
C-A	78			78			
A-B	167			167			
A-C	59			59			

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	32	299	0.108	34	0.1	13.636	B
B-A	408	564	0.723	425	2.8	28.395	D
C-AB	14	648	0.022	14	0.0	5.685	A
C-A	64			64			
A-B	137			137			
A-C	49			49			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	27	404	0.067	27	0.1	9.550	A
B-A	342	571	0.598	347	1.5	16.395	C
C-AB	12	655	0.018	12	0.0	5.599	A
C-A	53			53			
A-B	114			114			
A-C	41			41			

2028 Base + Com + Dev (500 Spaces), PM

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.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Shevington's Lane / Pingwood Lane / Stopgate Lane	T-Junction	Two-way		1.83	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

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	2028 Base + Com + Dev (500 Spaces)	PM	ONE HOUR	16:00	17:30	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		✓	530	100.000
B		✓	126	100.000
C		✓	100	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	449	81
	B	116	0	10
	C	69	31	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	0.02	7.71	0.0	A
B-A	0.25	9.39	0.3	A
C-AB	0.06	6.95	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:00 - 16:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	8	509	0.015	7	0.0	7.185	A
B-A	87	543	0.161	87	0.2	7.883	A
C-AB	23	595	0.039	23	0.0	6.290	A
C-A	52			52			
A-B	338			338			
A-C	61			61			

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	9	496	0.018	9	0.0	7.394	A
B-A	104	529	0.197	104	0.2	8.461	A
C-AB	28	577	0.049	28	0.1	6.555	A
C-A	62			62			
A-B	404			404			
A-C	73			73			

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	11	478	0.023	11	0.0	7.712	A
B-A	128	511	0.250	127	0.3	9.373	A
C-AB	34	552	0.062	34	0.1	6.951	A
C-A	76			76			
A-B	494			494			
A-C	89			89			

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	11	478	0.023	11	0.0	7.714	A
B-A	128	511	0.250	128	0.3	9.390	A
C-AB	34	552	0.062	34	0.1	6.954	A
C-A	76			76			
A-B	494			494			
A-C	89			89			

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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	9	496	0.018	9	0.0	7.400	A
B-A	104	529	0.197	105	0.2	8.483	A
C-AB	28	577	0.049	28	0.1	6.559	A
C-A	62			62			
A-B	404			404			
A-C	73			73			

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	8	508	0.015	8	0.0	7.189	A
B-A	87	542	0.161	88	0.2	7.918	A
C-AB	23	595	0.039	23	0.0	6.296	A
C-A	52			52			
A-B	338			338			
A-C	61			61			