

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.11	10.09	0.1	B
B-A	0.49	50.23	1.0	F
C-AB	0.06	9.36	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	31	575	0.054	31	0.1	6.806	A
B-A	50	353	0.143	50	0.2	12.928	B
C-AB	18	582	0.031	18	0.0	7.395	A
C-A	739			739			
A-B	43			43			
A-C	727			727			

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	37	520	0.071	37	0.1	7.679	A
B-A	60	268	0.225	60	0.3	18.789	C
C-AB	22	536	0.040	22	0.0	8.113	A
C-A	882			882			
A-B	51			51			
A-C	868			868			

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	45	417	0.108	45	0.1	9.956	A
B-A	74	151	0.488	71	0.9	47.771	E
C-AB	26	472	0.056	26	0.1	9.361	A
C-A	1080			1080			
A-B	63			63			
A-C	1062			1062			

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	45	413	0.109	45	0.1	10.090	B
B-A	74	151	0.488	74	1.0	50.227	F
C-AB	26	472	0.056	26	0.1	9.363	A
C-A	1080			1080			
A-B	63			63			
A-C	1062			1062			

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	37	516	0.071	37	0.1	7.738	A
B-A	60	269	0.224	63	0.3	19.297	C
C-AB	22	536	0.040	22	0.0	8.117	A
C-A	882			882			
A-B	51			51			
A-C	868			868			

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	31	574	0.054	31	0.1	6.828	A
B-A	50	353	0.143	51	0.2	13.024	B
C-AB	18	582	0.031	18	0.0	7.402	A
C-A	739			739			
A-B	43			43			
A-C	727			727			

2029 Base + Committed + DEV Units 6 & 7, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Site Access / A41	T-Junction	Two-way		4.37	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)
D3	2029 Base + Committed + DEV Units 6 & 7	AM	ONE HOUR	07:15	08:45	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - A41 West		✓	1083	100.000
B - Site Access		✓	98	100.000
C - A41 East		✓	1112	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A - A41 West	B - Site Access	C - A41 East
From	A - A41 West	0	69	1014
	B - Site Access	69	0	29
	C - A41 East	1078	34	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A - A41 West	B - Site Access	C - A41 East
From	A - A41 West	0	6	7
	B - Site Access	15	0	8
	C - A41 East	10	6	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.13	18.83	0.2	C
B-A	0.74	132.81	2.5	F
C-AB	0.08	9.21	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	22	548	0.040	22	0.0	7.391	A
B-A	52	325	0.160	51	0.2	15.060	C
C-AB	26	568	0.045	25	0.0	7.028	A
C-A	812			812			
A-B	52			52			
A-C	763			763			

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	487	0.053	26	0.1	8.424	A
B-A	62	232	0.267	61	0.4	24.150	C
C-AB	31	519	0.059	31	0.1	7.806	A
C-A	969			969			
A-B	62			62			
A-C	912			912			

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	287	0.111	32	0.1	15.179	C
B-A	76	103	0.738	69	2.2	106.341	F
C-AB	37	452	0.083	37	0.1	9.209	A
C-A	1187			1187			
A-B	76			76			
A-C	1116			1116			

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	32	238	0.134	32	0.2	18.828	C
B-A	76	103	0.735	75	2.5	132.810	F
C-AB	37	452	0.083	37	0.1	9.212	A
C-A	1187			1187			
A-B	76			76			
A-C	1116			1116			

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	26	479	0.054	26	0.1	8.597	A
B-A	62	233	0.266	70	0.4	26.660	D
C-AB	31	519	0.059	31	0.1	7.811	A
C-A	969			969			
A-B	62			62			
A-C	912			912			

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	22	546	0.040	22	0.0	7.417	A
B-A	52	325	0.160	53	0.2	15.231	C
C-AB	26	568	0.045	26	0.1	7.035	A
C-A	812			812			
A-B	52			52			
A-C	763			763			

2029 Base + Committed + DEV Units 6 & 7, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Site Access / A41	T-Junction	Two-way		2.61	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	2029 Base + Committed + DEV Units 6 & 7	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 - A41 West		✓	1029	100.000
B - Site Access		✓	123	100.000
C - A41 East		✓	1005	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A - A41 West	B - Site Access	C - A41 East
From	A - A41 West	0	64	965
	B - Site Access	81	0	42
	C - A41 East	981	24	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A - A41 West	B - Site Access	C - A41 East
From	A - A41 West	0	10	4
	B - Site Access	8	0	3
	C - A41 East	4	14	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-C	0.12	11.32	0.1	B
B-A	0.59	61.02	1.4	F
C-AB	0.06	9.25	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	32	564	0.056	31	0.1	6.956	A
B-A	61	355	0.172	60	0.2	13.133	B
C-AB	18	581	0.031	18	0.0	7.288	A
C-A	739			739			
A-B	48			48			
A-C	727			727			

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	38	507	0.075	38	0.1	7.904	A
B-A	73	270	0.270	72	0.4	19.608	C
C-AB	22	534	0.040	22	0.0	8.003	A
C-A	882			882			
A-B	58			58			
A-C	868			868			

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	46	383	0.121	46	0.1	10.985	B
B-A	89	151	0.589	85	1.3	56.038	F
C-AB	26	470	0.056	26	0.1	9.249	A
C-A	1080			1080			
A-B	70			70			
A-C	1062			1062			

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	46	374	0.124	46	0.1	11.316	B
B-A	89	152	0.588	89	1.4	61.018	F
C-AB	26	470	0.056	26	0.1	9.251	A
C-A	1080			1080			
A-B	70			70			
A-C	1062			1062			

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	38	503	0.075	38	0.1	7.985	A
B-A	73	271	0.269	77	0.4	20.468	C
C-AB	22	534	0.040	22	0.0	8.006	A
C-A	882			882			
A-B	58			58			
A-C	868			868			

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	32	563	0.056	32	0.1	6.982	A
B-A	61	356	0.172	62	0.2	13.263	B
C-AB	18	581	0.031	18	0.0	7.293	A
C-A	739			739			
A-B	48			48			
A-C	727			727			