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Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	219	386	0.568	214	1.2	20.440	C
C-AB	11	544	0.021	11	0.0	6.762	A
C-A	212			212			
A-B	422			422			
A-C	416			416			

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	262	349	0.749	256	2.6	36.637	E
C-AB	15	548	0.028	15	0.0	6.769	A
C-A	251			251			
A-B	503			503			
A-C	496			496			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	320	299	1.071	282	12.1	120.142	F
C-AB	23	556	0.041	23	0.1	6.759	A
C-A	303			303			
A-B	617			617			
A-C	608			608			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	320	299	1.071	293	19.0	210.114	F
C-AB	23	557	0.041	23	0.1	6.748	A
C-A	303			303			
A-B	617			617			
A-C	608			608			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	262	349	0.749	322	4.0	128.932	F
C-AB	15	548	0.028	15	0.0	6.747	A
C-A	251			251			
A-B	503			503			
A-C	496			496			

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	219	386	0.568	230	1.4	24.411	C
C-AB	11	544	0.021	11	0.0	6.753	A
C-A	212			212			
A-B	422			422			
A-C	416			416			

Queue Variation Results for each time segment

16:45 - 17:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	1.25	0.43	1.17	1.73	1.93			N/A	N/A
C-AB	0.02	0.00	0.00	0.02	0.02			N/A	N/A

17:00 - 17:15

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Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	2.59	0.09	1.46	6.10	8.54			N/A	N/A
C-AB	0.04	0.03	0.25	0.45	0.48			N/A	N/A

17:15 - 17:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	12.10	1.12	9.26	24.20	30.14			N/A	N/A
C-AB	0.06	0.03	0.25	0.45	0.48			N/A	N/A

17:30 - 17:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	18.99	2.05	14.80	38.29	47.65			N/A	N/A
C-AB	0.06	0.00	0.00	0.06	0.06			N/A	N/A

17:45 - 18:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	4.00	0.05	0.47	11.34	19.60			N/A	N/A
C-AB	0.04	0.00	0.00	0.04	0.04			N/A	N/A

18:00 - 18:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	1.39	0.03	0.29	1.40	5.69			N/A	N/A
C-AB	0.03	0.00	0.00	0.03	0.03			N/A	N/A

2026 Base + Com Dev, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Lower Bognor Road j/w Pagham Road	T-Junction	Two-way		61.41	F

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	2026 Base + Com Dev	AM	ONE HOUR	07:45	09:15	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 (Veh/hr)	Scaling Factor (%)
A		✓	572	100.000
B		✓	348	100.000
C		✓	614	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
From		A	B	C
	A	0	276	296
	B	345	0	3
	C	605	9	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	4	9
	B	2	0	33
	C	4	22	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-AC	1.14	276.62	30.4	61.6	F
C-AB	0.04	4.84	0.1	0.5	A
C-A					
A-B					

A-C					
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Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	262	409	0.641	255	1.7	22.564	C
C-AB	17	761	0.022	17	0.0	4.836	A
C-A	445			445			
A-B	208			208			
A-C	223			223			

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	313	379	0.826	305	3.8	44.100	E
C-AB	25	818	0.030	25	0.0	4.560	A
C-A	527			527			
A-B	248			248			
A-C	266			266			

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	383	337	1.138	326	18.1	145.903	F
C-AB	39	898	0.044	39	0.1	4.212	A
C-A	637			637			
A-B	304			304			
A-C	326			326			

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	383	337	1.138	334	30.4	276.615	F
C-AB	39	898	0.044	39	0.1	4.191	A
C-A	637			637			
A-B	304			304			
A-C	326			326			

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	313	379	0.826	367	17.0	237.106	F
C-AB	25	818	0.030	25	0.0	4.505	A
C-A	527			527			
A-B	248			248			
A-C	266			266			

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	262	409	0.641	322	2.0	61.273	F
C-AB	17	762	0.023	17	0.0	4.803	A
C-A	445			445			
A-B	208			208			
A-C	223			223			

Queue Variation Results for each time segment

07:45 - 08:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	1.66	0.25	1.43	2.74	3.39			N/A	N/A
C-AB	0.03	0.00	0.00	0.03	0.03			N/A	N/A

08:00 - 08:15

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Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	3.76	0.13	1.76	8.88	12.18			N/A	N/A
C-AB	0.04	0.03	0.25	0.45	0.48			N/A	N/A

08:15 - 08:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	18.08	4.00	15.43	32.31	38.60			N/A	N/A
C-AB	0.06	0.03	0.25	0.46	0.48			N/A	N/A

08:30 - 08:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	30.43	8.51	26.93	52.37	61.65			N/A	N/A
C-AB	0.06	0.00	0.00	0.06	0.06			N/A	N/A

08:45 - 09:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	16.99	2.13	13.49	33.37	41.15			N/A	N/A
C-AB	0.04	0.00	0.00	0.04	0.04			N/A	N/A

09:00 - 09:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	1.98	0.03	0.30	1.98	8.95			N/A	N/A
C-AB	0.03	0.00	0.00	0.03	0.03			N/A	N/A

2026 Base + Com Dev, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Lower Bognor Road j/w Pagham Road	T-Junction	Two-way		80.24	F

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	2026 Base + Com Dev	PM	ONE HOUR	16:45	18:15	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 (Veh/hr)	Scaling Factor (%)
A		✓	1280	100.000
B		✓	291	100.000
C		✓	400	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
From		A	B	C
	A	0	560	720
	B	280	0	11
	C	391	9	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	2	3
	B	1	0	18
	C	5	11	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-AC	1.36	548.69	48.1	76.5	F
C-AB	0.05	6.31	0.1	0.5	A
C-A					
A-B					

A-C					
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Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	219	342	0.640	213	1.6	26.568	D
C-AB	14	584	0.024	14	0.0	6.308	A
C-A	287			287			
A-B	422			422			
A-C	542			542			

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	262	298	0.879	250	4.6	63.385	F
C-AB	20	599	0.033	20	0.0	6.223	A
C-A	340			340			
A-B	503			503			
A-C	647			647			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	321	236	1.360	232	26.7	273.079	F
C-AB	33	624	0.052	32	0.1	6.095	A
C-A	408			408			
A-B	617			617			
A-C	793			793			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	321	236	1.360	235	48.1	548.693	F
C-AB	33	625	0.052	33	0.1	6.084	A
C-A	408			408			
A-B	617			617			
A-C	793			793			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	262	298	0.879	292	40.6	529.371	F
C-AB	20	600	0.033	20	0.0	6.192	A
C-A	340			340			
A-B	503			503			
A-C	647			647			

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	219	342	0.640	334	11.9	292.110	F
C-AB	14	585	0.024	14	0.0	6.293	A
C-A	287			287			
A-B	422			422			
A-C	542			542			

Queue Variation Results for each time segment

16:45 - 17:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	1.64	0.06	0.75	3.99	5.96			N/A	N/A
C-AB	0.03	0.00	0.00	0.03	0.03			N/A	N/A

17:00 - 17:15

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Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	4.62	0.12	1.92	11.55	16.18			N/A	N/A
C-AB	0.04	0.03	0.25	0.45	0.48			N/A	N/A

17:15 - 17:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	26.74	10.81	24.70	41.26	46.98			N/A	N/A
C-AB	0.08	0.03	0.26	0.46	0.49			N/A	N/A

17:30 - 17:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	48.11	24.76	45.88	68.82	76.47			N/A	N/A
C-AB	0.08	0.00	0.00	0.08	0.08			N/A	N/A

17:45 - 18:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	40.65	17.02	37.88	62.60	71.12			N/A	N/A
C-AB	0.05	0.00	0.00	0.05	0.05			N/A	N/A

18:00 - 18:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	11.90	0.53	7.56	27.31	35.91			N/A	N/A
C-AB	0.03	0.00	0.00	0.03	0.03			N/A	N/A

2031 Base, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Lower Bognor Road j/w Pagham Road	T-Junction	Two-way		51.56	F

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	2031 Base	AM	ONE HOUR	07:45	09:15	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 (Veh/hr)	Scaling Factor (%)
A		✓	519	100.000
B		✓	369	100.000
C		✓	449	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
From		A	B	C
	A	0	293	226
	B	366	0	3
	C	439	10	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	4	12
	B	2	0	33
	C	6	22	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-AC	1.07	192.65	22.2	55.0	F
C-AB	0.04	5.49	0.1	0.5	A
C-A					
A-B					

A-C					
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Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	278	439	0.633	271	1.6	20.732	C
C-AB	15	671	0.022	15	0.0	5.488	A
C-A	323			323			
A-B	221			221			
A-C	170			170			

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	332	415	0.800	325	3.3	37.318	E
C-AB	20	708	0.029	20	0.0	5.259	A
C-A	383			383			
A-B	263			263			
A-C	203			203			

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	406	381	1.067	363	14.1	109.820	F
C-AB	30	760	0.040	30	0.1	4.954	A
C-A	464			464			
A-B	323			323			
A-C	249			249			

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	406	381	1.067	374	22.2	192.648	F
C-AB	30	760	0.040	30	0.1	4.931	A
C-A	464			464			
A-B	323			323			
A-C	249			249			

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	332	415	0.800	396	6.1	138.900	F
C-AB	20	708	0.029	21	0.0	5.203	A
C-A	383			383			
A-B	263			263			
A-C	203			203			

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	278	439	0.633	295	1.8	27.386	D
C-AB	15	671	0.022	15	0.0	5.460	A
C-A	323			323			
A-B	221			221			
A-C	170			170			

Queue Variation Results for each time segment

07:45 - 08:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	1.62	0.53	1.48	2.32	2.79			N/A	N/A
C-AB	0.03	0.00	0.00	0.03	0.03			N/A	N/A

08:00 - 08:15

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Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	3.35	0.12	1.52	7.88	10.82			N/A	N/A
C-AB	0.04	0.03	0.25	0.45	0.48			N/A	N/A

08:15 - 08:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	14.13	1.44	10.94	28.22	35.08			N/A	N/A
C-AB	0.06	0.03	0.25	0.45	0.48			N/A	N/A

08:30 - 08:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	22.16	2.61	17.48	44.39	55.04			N/A	N/A
C-AB	0.06	0.00	0.00	0.06	0.06			N/A	N/A

08:45 - 09:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	6.08	0.07	1.44	17.29	27.07			N/A	N/A
C-AB	0.04	0.00	0.00	0.04	0.04			N/A	N/A

09:00 - 09:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	1.84	0.03	0.30	2.15	8.66			N/A	N/A
C-AB	0.03	0.00	0.00	0.03	0.03			N/A	N/A

2031 Base, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Lower Bognor Road j/w Pagham Road	T-Junction	Two-way		62.18	F

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	2031 Base	PM	ONE HOUR	16:45	18:15	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 (Veh/hr)	Scaling Factor (%)
A		✓	1182	100.000
B		✓	310	100.000
C		✓	315	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
From		A	B	C
	A	0	595	587
	B	298	0	12
	C	305	10	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	2	4
	B	1	0	18
	C	6	11	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-AC	1.21	367.53	35.7	64.6	F
C-AB	0.05	6.78	0.1	0.5	A
C-A					
A-B					

A-C					
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Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	233	374	0.624	227	1.5	23.664	C
C-AB	13	545	0.024	13	0.0	6.770	A
C-A	224			224			
A-B	448			448			
A-C	442			442			

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	279	335	0.831	270	3.8	49.357	E
C-AB	18	550	0.033	18	0.0	6.777	A
C-A	265			265			
A-B	535			535			
A-C	528			528			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	341	282	1.211	274	20.5	186.663	F
C-AB	28	560	0.049	28	0.1	6.771	A
C-A	319			319			
A-B	655			655			
A-C	646			646			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	341	282	1.211	280	35.7	367.532	F
C-AB	28	560	0.049	28	0.1	6.761	A
C-A	319			319			
A-B	655			655			
A-C	646			646			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	279	335	0.831	326	23.9	328.439	F
C-AB	18	550	0.033	18	0.0	6.754	A
C-A	265			265			
A-B	535			535			
A-C	528			528			

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	233	374	0.624	321	1.9	110.009	F
C-AB	13	545	0.024	13	0.0	6.760	A
C-A	224			224			
A-B	448			448			
A-C	442			442			

Queue Variation Results for each time segment

16:45 - 17:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	1.55	0.13	1.26	2.83	3.69			N/A	N/A
C-AB	0.03	0.00	0.00	0.03	0.03			N/A	N/A

17:00 - 17:15

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Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	3.76	0.12	1.67	9.04	12.53			N/A	N/A
C-AB	0.04	0.03	0.25	0.45	0.48			N/A	N/A

17:15 - 17:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	20.46	6.14	18.18	34.18	39.93			N/A	N/A
C-AB	0.07	0.03	0.26	0.46	0.49			N/A	N/A

17:30 - 17:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	35.73	13.73	32.93	56.44	64.63			N/A	N/A
C-AB	0.07	0.00	0.00	0.07	0.07			N/A	N/A

17:45 - 18:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	23.89	6.74	21.11	40.75	47.88			N/A	N/A
C-AB	0.04	0.00	0.00	0.04	0.04			N/A	N/A

18:00 - 18:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	1.94	0.03	0.29	1.94	7.99			N/A	N/A
C-AB	0.03	0.00	0.00	0.03	0.03			N/A	N/A

2031 Base + Com Dev, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Lower Bognor Road j/w Pagham Road	T-Junction	Two-way		94.55	F

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	2031 Base + Com Dev	AM	ONE HOUR	07:45	09:15	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 (Veh/hr)	Scaling Factor (%)
A		✓	602	100.000
B		✓	369	100.000
C		✓	640	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
From		A	B	C
	A	0	293	309
	B	366	0	3
	C	630	10	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	4	9
	B	2	0	33
	C	4	22	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-AC	1.24	422.05	46.9	79.1	F
C-AB	0.05	4.78	0.1	0.5	A
C-A					
A-B					

A-C					
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Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	278	402	0.691	270	2.0	25.847	D
C-AB	19	773	0.025	19	0.0	4.776	A
C-A	463			463			
A-B	220			220			
A-C	233			233			

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	332	370	0.896	318	5.4	58.059	F
C-AB	28	832	0.033	28	0.0	4.498	A
C-A	548			548			
A-B	263			263			
A-C	278			278			

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	406	326	1.245	321	26.7	204.697	F
C-AB	45	916	0.049	45	0.1	4.152	A
C-A	660			660			
A-B	322			322			
A-C	340			340			

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	406	326	1.245	325	46.9	411.914	F
C-AB	45	916	0.049	45	0.1	4.134	A
C-A	660			660			
A-B	322			322			
A-C	340			340			

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	332	370	0.896	362	39.2	422.053	F
C-AB	28	832	0.033	28	0.0	4.442	A
C-A	548			548			
A-B	263			263			
A-C	278			278			

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	278	402	0.691	392	10.7	238.070	F
C-AB	19	773	0.025	19	0.0	4.746	A
C-A	463			463			
A-B	220			220			
A-C	233			233			

Queue Variation Results for each time segment

07:45 - 08:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	2.04	0.10	1.34	4.48	6.07			N/A	N/A
C-AB	0.03	0.00	0.00	0.03	0.03			N/A	N/A

08:00 - 08:15

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Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	5.37	0.18	2.80	12.74	17.26			N/A	N/A
C-AB	0.04	0.03	0.25	0.45	0.48			N/A	N/A

08:15 - 08:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	26.67	9.64	24.32	42.64	49.07			N/A	N/A
C-AB	0.07	0.03	0.26	0.46	0.49			N/A	N/A

08:30 - 08:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	46.90	21.38	44.17	70.24	79.11			N/A	N/A
C-AB	0.07	0.00	0.00	0.07	0.07			N/A	N/A

08:45 - 09:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	39.20	14.21	35.92	63.18	72.79			N/A	N/A
C-AB	0.04	0.00	0.00	0.04	0.04			N/A	N/A

09:00 - 09:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	10.67	0.29	5.95	25.86	34.94			N/A	N/A
C-AB	0.03	0.00	0.00	0.03	0.03			N/A	N/A

2031 Base + Com Dev, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Lower Bognor Road j/w Pagham Road	T-Junction	Two-way		122.23	F

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	2031 Base + Com Dev	PM	ONE HOUR	16:45	18:15	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 (Veh/hr)	Scaling Factor (%)
A		✓	1351	100.000
B		✓	310	100.000
C		✓	419	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
From		A	B	C
	A	0	595	755
	B	298	0	12
	C	409	10	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	2	3
	B	1	0	18
	C	5	11	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-AC	1.56	828.76	69.3	106.7	F
C-AB	0.06	6.31	0.1	0.5	A
C-A					
A-B					

A-C					
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Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	233	331	0.705	225	2.1	31.866	D
C-AB	16	586	0.027	15	0.0	6.308	A
C-A	300			300			
A-B	448			448			
A-C	569			569			

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	278	284	0.982	256	7.6	94.698	F
C-AB	23	602	0.038	23	0.1	6.222	A
C-A	354			354			
A-B	535			535			
A-C	679			679			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	341	218	1.562	217	38.6	412.685	F
C-AB	38	629	0.061	38	0.1	6.103	A
C-A	423			423			
A-B	656			656			
A-C	832			832			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	341	218	1.562	218	69.3	803.405	F
C-AB	38	630	0.061	38	0.1	6.090	A
C-A	423			423			
A-B	656			656			
A-C	832			832			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	278	284	0.982	279	69.2	828.760	F
C-AB	23	603	0.038	23	0.1	6.189	A
C-A	354			354			
A-B	535			535			
A-C	679			679			

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	233	331	0.705	326	46.0	639.544	F
C-AB	16	586	0.027	16	0.0	6.293	A
C-A	300			300			
A-B	448			448			
A-C	569			569			

Queue Variation Results for each time segment

16:45 - 17:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	2.12	0.03	0.34	4.77	11.20			N/A	N/A
C-AB	0.03	0.00	0.00	0.03	0.03			N/A	N/A

17:00 - 17:15

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Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	7.61	0.13	3.04	19.97	28.46			N/A	N/A
C-AB	0.05	0.03	0.25	0.45	0.48			N/A	N/A

17:15 - 17:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	38.62	17.42	36.26	57.87	65.23			N/A	N/A
C-AB	0.10	0.03	0.26	0.47	0.50			N/A	N/A

17:30 - 17:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	69.34	41.37	67.19	93.45	101.94			N/A	N/A
C-AB	0.10	0.00	0.00	0.10	0.10			N/A	N/A

17:45 - 18:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	69.23	38.03	66.60	96.80	106.74			N/A	N/A
C-AB	0.05	0.00	0.00	0.05	0.05			N/A	N/A

18:00 - 18:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	46.03	16.52	42.18	74.59	86.03			N/A	N/A
C-AB	0.03	0.00	0.00	0.03	0.03			N/A	N/A

2031 Base + Com Dev + Dev, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Lower Bognor Road j/w Pagham Road	T-Junction	Two-way		101.35	F

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	2031 Base + Com Dev + Dev	AM	ONE HOUR	07:45	09:15	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 (Veh/hr)	Scaling Factor (%)
A		✓	610	100.000
B		✓	369	100.000
C		✓	660	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
From		A	B	C
	A	0	293	317
	B	366	0	3
	C	650	10	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	4	9
	B	2	0	33
	C	4	22	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-AC	1.27	460.21	49.9	82.3	F
C-AB	0.05	4.71	0.1	0.5	A
C-A					
A-B					

A-C					
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Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	278	398	0.698	269	2.1	26.529	D
C-AB	20	783	0.025	20	0.0	4.714	A
C-A	477			477			
A-B	220			220			
A-C	239			239			

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	332	365	0.907	317	5.7	61.229	F
C-AB	29	844	0.034	29	0.0	4.433	A
C-A	564			564			
A-B	263			263			
A-C	285			285			

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	406	321	1.267	316	28.3	218.632	F
C-AB	47	932	0.050	47	0.1	4.086	A
C-A	680			680			
A-B	322			322			
A-C	349			349			

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	406	320	1.267	320	49.9	442.053	F
C-AB	47	932	0.050	47	0.1	4.066	A
C-A	680			680			
A-B	322			322			
A-C	349			349			

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	332	365	0.908	358	43.3	460.207	F
C-AB	29	845	0.034	29	0.0	4.378	A
C-A	564			564			
A-B	263			263			
A-C	285			285			

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	278	398	0.698	389	15.5	279.049	F
C-AB	20	784	0.025	20	0.0	4.682	A
C-A	477			477			
A-B	220			220			
A-C	239			239			

Queue Variation Results for each time segment

07:45 - 08:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	2.09	0.08	1.20	4.92	6.95			N/A	N/A
C-AB	0.03	0.00	0.00	0.03	0.03			N/A	N/A

08:00 - 08:15

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Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	5.70	0.18	2.92	13.66	18.58			N/A	N/A
C-AB	0.05	0.03	0.25	0.45	0.48			N/A	N/A

08:15 - 08:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	28.28	10.70	25.94	44.64	51.17			N/A	N/A
C-AB	0.08	0.03	0.26	0.46	0.49			N/A	N/A

08:30 - 08:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	49.91	23.88	47.26	73.49	82.34			N/A	N/A
C-AB	0.08	0.00	0.00	0.08	0.08			N/A	N/A

08:45 - 09:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	43.26	16.50	39.91	68.73	78.81			N/A	N/A
C-AB	0.05	0.00	0.00	0.05	0.05			N/A	N/A

09:00 - 09:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	15.46	1.13	11.51	32.21	40.63			N/A	N/A
C-AB	0.03	0.00	0.00	0.03	0.03			N/A	N/A

2031 Base + Com Dev + Dev, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Lower Bognor Road j/w Pagham Road	T-Junction	Two-way		139.42	F

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	2031 Base + Com Dev + Dev	PM	ONE HOUR	16:45	18:15	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 (Veh/hr)	Scaling Factor (%)
A		✓	1368	100.000
B		✓	310	100.000
C		✓	428	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
From		A	B	C
	A	0	595	773
	B	298	0	12
	C	418	10	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	2	3
	B	1	0	18
	C	5	11	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
B-AC	1.61	957.79	73.8	112.3	F
C-AB	0.06	6.27	0.1	0.5	A
C-A					
A-B					

A-C					
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Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	233	326	0.715	224	2.2	33.031	D
C-AB	16	589	0.027	16	0.0	6.275	A
C-A	306			306			
A-B	448			448			
A-C	582			582			

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	278	278	1.001	254	8.3	102.381	F
C-AB	23	607	0.038	23	0.1	6.183	A
C-A	361			361			
A-B	535			535			
A-C	695			695			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	341	212	1.611	211	40.9	449.832	F
C-AB	39	635	0.062	39	0.1	6.057	A
C-A	432			432			
A-B	656			656			
A-C	851			851			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	341	212	1.611	212	73.3	862.632	F
C-AB	40	635	0.062	40	0.1	6.047	A
C-A	431			431			
A-B	656			656			
A-C	851			851			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	278	278	1.001	276	73.8	957.785	F
C-AB	23	607	0.039	24	0.1	6.152	A
C-A	361			361			
A-B	535			535			
A-C	695			695			

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	233	326	0.715	322	51.6	704.318	F
C-AB	16	590	0.027	16	0.0	6.257	A
C-A	306			306			
A-B	448			448			
A-C	582			582			

Queue Variation Results for each time segment

16:45 - 17:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	2.20	0.03	0.33	4.29	11.63			N/A	N/A
C-AB	0.03	0.00	0.00	0.03	0.03			N/A	N/A

17:00 - 17:15

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Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	8.29	0.13	3.31	21.88	31.22			N/A	N/A
C-AB	0.05	0.03	0.25	0.45	0.48			N/A	N/A

17:15 - 17:30

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	40.91	18.52	38.45	61.27	69.04			N/A	N/A
C-AB	0.10	0.03	0.26	0.48	0.55			N/A	N/A

17:30 - 17:45

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	73.28	44.33	71.11	98.19	106.93			N/A	N/A
C-AB	0.10	0.00	0.00	0.10	0.10			N/A	N/A

17:45 - 18:00

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	73.79	41.56	71.18	102.14	112.29			N/A	N/A
C-AB	0.05	0.00	0.00	0.05	0.05			N/A	N/A

18:00 - 18:15

Stream	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
B-AC	51.64	20.32	47.88	81.46	93.16			N/A	N/A
C-AB	0.03	0.00	0.00	0.03	0.03			N/A	N/A

Junctions 9			
ARCADY 9 - Roundabout Module			
Version: 9.5.2.1013 © Copyright TRL Limited, 2019			
For sa [REDACTED] uk			
The users of this computer program for the solution of an engineering problem are in no way relieved of their responsibility for the correctness of the solution			

Filename: Vinnetrow Road B2166.j9

Path: C:\Users\JosephTucker\OneDrive - Highgate Transportation\Shared Documents - HTP\2600 - Projects\2607 - 120 Dwellings - Land North of Summer Lane, Pagham\Modelling\Junctions 9\Vinnetrow

Report generation date: 02/02/2026 16:19:33

»2026 Base, AM
 »2026 Base, PM
 »2026 Base + Com Dev, AM
 »2026 Base + Com Dev, PM
 »2031 Base, AM
 »2031 Base, PM
 »2031 Base + Com Dev, AM
 »2031 Base + Com Dev, PM
 »2031 Base + Com Dev + Dev, AM
 »2031 Base + Com Dev + Dev, PM

Summary of junction performance

	AM				PM			
	Queue (Veh)	Delay (s)	RFC	LOS	Queue (Veh)	Delay (s)	RFC	LOS
2026 Base								
Arm 1	0.4	7.30	0.30	A	1.9	16.33	0.66	C
Arm 2	1.5	5.95	0.61	A	0.8	4.16	0.44	A
Arm 3	0.1	5.32	0.06	A	0.0	4.01	0.04	A
Arm 4	1.5	7.36	0.60	A	2.0	8.35	0.67	A
2026 Base + Com Dev								
Arm 1	0.6	8.34	0.36	A	4.2	32.09	0.84	D
Arm 2	3.0	9.13	0.76	A	1.0	4.70	0.51	A
Arm 3	0.1	6.55	0.08	A	0.0	4.32	0.04	A
Arm 4	2.0	9.20	0.67	A	3.3	12.03	0.78	B
2031 Base								
Arm 1	0.5	7.83	0.33	A	2.6	21.36	0.74	C
Arm 2	1.8	6.62	0.65	A	0.9	4.40	0.47	A
Arm 3	0.1	5.65	0.07	A	0.0	4.16	0.04	A
Arm 4	1.7	8.22	0.64	A	2.5	9.71	0.72	A
2031 Base + Com Dev								
Arm 1	0.6	9.04	0.39	A	7.3	49.83	0.93	E
Arm 2	3.7	10.68	0.80	B	1.1	5.00	0.53	A
Arm 3	0.1	7.03	0.09	A	0.0	4.49	0.05	A
Arm 4	2.4	10.54	0.72	B	4.3	14.87	0.82	B
2031 Base + Com Dev + Dev								
Arm 1	0.7	9.22	0.40	A	8.8	57.40	0.96	F
Arm 2	4.0	11.43	0.81	B	1.2	5.06	0.54	A
Arm 3	0.1	7.21	0.09	A	0.0	4.52	0.05	A
Arm 4	2.5	10.93	0.73	B	4.5	15.48	0.83	C

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

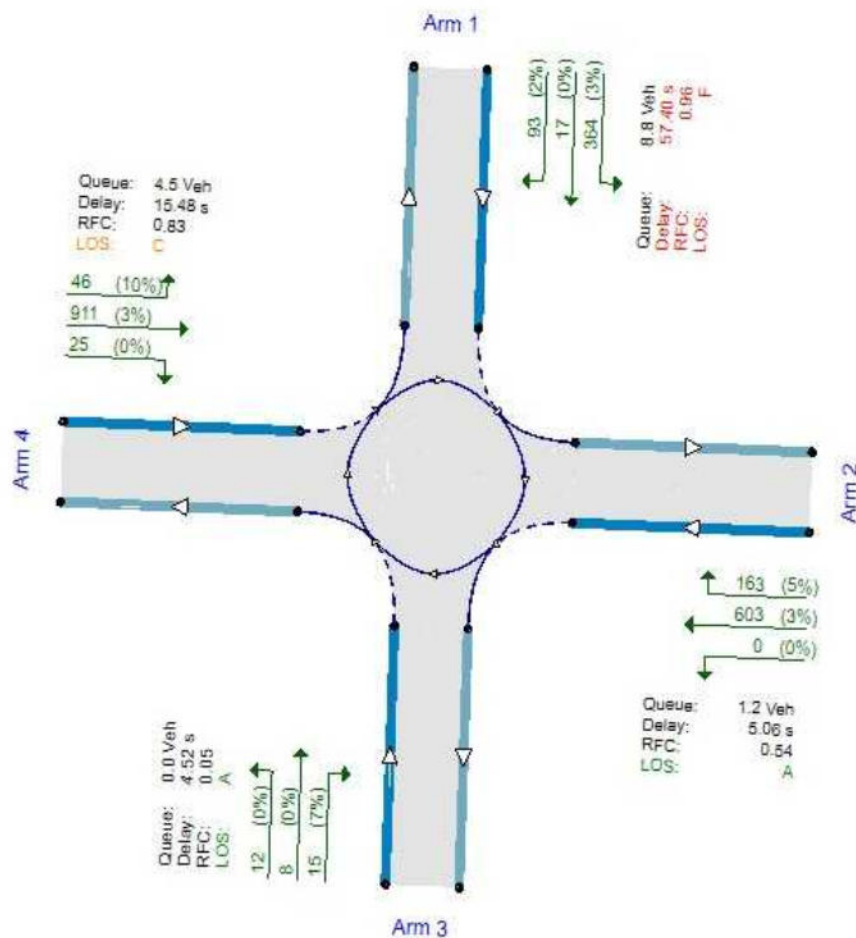
File Description

Title	B2166 jw Vinnetrow Road
Location	
Site number	
Date	10/11/2016

Version	
Status	(new file)
Identifier	
Client	
Jobnumber	1616
Enumerator	FB
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	Veh	Veh	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

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	2026 Base	AM	PHF	08:00	09:00	15
D2	2026 Base	PM	PHF	17:00	18:00	15
D3	2026 Base + Com Dev	AM	PHF	08:00	09:00	15
D4	2026 Base + Com Dev	PM	PHF	17:00	18:00	15
D5	2031 Base	AM	PHF	08:00	09:00	15
D6	2031 Base	PM	PHF	17:00	18:00	15
D7	2031 Base + Com Dev	AM	PHF	08:00	09:00	15
D8	2031 Base + Com Dev	PM	PHF	17:00	18:00	15
D9	2031 Base + Com Dev + Dev	AM	PHF	08:00	09:00	15
D10	2031 Base + Com Dev + Dev	PM	PHF	17:00	18:00	15

Analysis Set Details

ID	Network flow scaling factor (%)
A1	100.000

2026 Base, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	B2166 jw Vinnetrow Road	Standard Roundabout		1, 2, 3, 4	6.62	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description
1	Vinnetrow Road	
2	B2166 E	
3	Mill Lane	
4	B2166 W	

Roundabout Geometry

Arm	V - Approach road half-width (m)	E - Entry width (m)	I' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Exit only
1	3.00	5.50	3.0	17.0	30.0	24.0	
2	3.50	6.00	25.0	30.0	30.0	25.0	
3	3.00	6.00	12.0	20.0	30.0	23.0	
4	3.00	6.00	17.0	15.0	30.0	32.0	

Slope / Intercept / Capacity

Roundabout Slope and Intercept used in model

Arm	Final slope	Final intercept (PCU/hr)
1	0.545	1129
2	0.666	1689
3	0.614	1448
4	0.601	1455

The slope and intercept shown above include any corrections and adjustments.

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	2026 Base	AM	PHF	08:00	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 (Veh/hr)	Scaling Factor (%)
1		✓	175	100.000
2		✓	773	100.000
3		✓	37	100.000
4		✓	592	100.000

Peak Hour Factor Data (Traffic)

Arm	Hourly volume (Veh/hr)	Peak hour factor	Peak time segment
1	175	0.82	SecondQuarter
2	773	0.82	SecondQuarter
3	37	0.82	SecondQuarter
4	592	0.82	SecondQuarter

Origin-Destination Data

Demand (Veh/hr)

	To				
	1	2	3	4	
From	1	2	101	10	62
	2	203	0	6	564
	3	13	7	0	17
	4	64	517	11	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	1	2	3	4	
From	1	0	6	30	5
	2	4	0	17	5
	3	23	14	0	0
	4	11	6	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
1	0.30	7.30	0.4	1.2	A
2	0.61	5.95	1.5	1.5	A
3	0.06	5.32	0.1	0.5	A
4	0.60	7.36	1.5	1.5	A

Main Results for each time segment

08:00 - 08:15

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	149	454	811	0.184	148	0.2	5.431	A
2	660	72	1562	0.422	657	0.7	3.963	A
3	32	706	898	0.035	31	0.0	4.155	A
4	505	191	1254	0.403	503	0.7	4.775	A

08:15 - 08:30

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	213	650	705	0.303	213	0.4	7.298	A
2	943	103	1541	0.612	939	1.5	5.950	A
3	45	1010	722	0.063	45	0.1	5.321	A
4	722	273	1205	0.599	719	1.5	7.358	A

08:30 - 08:45

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	188	575	745	0.252	188	0.3	6.469	A
2	830	91	1549	0.535	831	1.2	5.023	A
3	40	893	789	0.050	40	0.1	4.803	A
4	635	242	1224	0.519	637	1.1	6.150	A

08:45 - 09:00

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Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	149	458	808	0.185	150	0.2	5.471	A
2	660	73	1562	0.422	662	0.7	4.005	A
3	32	711	895	0.035	32	0.0	4.170	A
4	505	193	1253	0.403	507	0.7	4.838	A

Queue Variation Results for each time segment

08:00 - 08:15

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	0.22	0.00	0.00	0.22	0.22			N/A	N/A
2	0.73	0.06	0.67	1.48	1.52			N/A	N/A
3	0.04	0.03	0.25	0.45	0.48			N/A	N/A
4	0.67	0.06	0.69	1.39	1.48			N/A	N/A

08:15 - 08:30

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	0.43	0.03	0.26	0.46	0.49			N/A	N/A
2	1.55	0.03	0.26	1.55	1.55			N/A	N/A
3	0.07	0.03	0.26	0.47	0.49			N/A	N/A
4	1.47	0.03	0.27	1.47	1.47			N/A	N/A

08:30 - 08:45

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	0.34	0.03	0.31	1.17	1.23			N/A	N/A
2	1.17	0.03	0.26	1.17	1.17			N/A	N/A
3	0.05	0.00	0.00	0.05	0.05			N/A	N/A
4	1.09	0.03	0.26	1.09	1.09			N/A	N/A

08:45 - 09:00

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	0.23	0.00	0.00	0.23	0.23			N/A	N/A
2	0.74	0.11	0.86	1.39	1.46			N/A	N/A
3	0.04	0.00	0.00	0.04	0.04			N/A	N/A
4	0.68	0.08	0.78	1.38	1.45			N/A	N/A

2026 Base, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	B2166 jw Vinnetrow Road	Standard Roundabout		1, 2, 3, 4	8.53	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	2026 Base	PM	PHF	17:00	18:00	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 (Veh/hr)	Scaling Factor (%)
1		✓	383	100.000
2		✓	615	100.000
3		✓	32	100.000
4		✓	811	100.000

Peak Hour Factor Data (Traffic)

Arm	Hourly volume (Veh/hr)	Peak hour factor	Peak time segment
1	383	0.92	SecondQuarter
2	615	0.92	SecondQuarter
3	32	0.92	SecondQuarter
4	811	0.92	SecondQuarter

Origin-Destination Data

Demand (Veh/hr)

		To			
From		1	2	3	4
	1	0	280	16	87
	2	127	0	0	488
	3	7	14	0	11
	4	43	744	24	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
From		1	2	3	4
	1	0	4	0	2
	2	6	0	0	4
	3	0	7	0	0
	4	10	3	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
1	0.66	16.33	1.9	7.4	C
2	0.44	4.16	0.8	1.5	A
3	0.04	4.01	0.0	0.5	A
4	0.67	8.35	2.0	3.8	A

Main Results for each time segment

17:00 - 17:15

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	361	732	693	0.520	357	1.1	10.560	B
2	579	118	1545	0.375	577	0.6	3.710	A
3	30	658	997	0.030	30	0.0	3.721	A
4	764	139	1321	0.579	759	1.3	6.348	A

17:15 - 17:30

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	416	847	630	0.660	413	1.9	16.329	C
2	668	137	1533	0.436	668	0.8	4.158	A
3	35	762	933	0.037	35	0.0	4.006	A
4	882	161	1307	0.674	879	2.0	8.351	A

17:30 - 17:45

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	394	806	653	0.603	395	1.6	14.031	B
2	633	131	1537	0.412	633	0.7	3.986	A
3	33	723	957	0.034	33	0.0	3.896	A
4	835	152	1312	0.636	835	1.8	7.566	A

17:45 - 18:00

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	361	738	690	0.523	363	1.1	11.064	B
2	579	120	1544	0.375	580	0.6	3.735	A
3	30	662	995	0.030	30	0.0	3.731	A
4	764	140	1320	0.579	766	1.4	6.511	A

Queue Variation Results for each time segment

17:00 - 17:15

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	1.06	0.11	0.99	1.69	1.98			N/A	N/A
2	0.60	0.13	0.88	1.38	1.44			N/A	N/A
3	0.03	0.03	0.25	0.45	0.48			N/A	N/A
4	1.35	0.07	0.98	2.77	3.79			N/A	N/A

17:15 - 17:30

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	1.85	0.03	0.29	1.85	7.39			N/A	N/A
2	0.77	0.03	0.25	0.77	0.77			N/A	N/A
3	0.04	0.03	0.25	0.45	0.48			N/A	N/A
4	2.02	0.03	0.27	2.02	3.31			N/A	N/A

17:30 - 17:45

Arm	Mean	Q05	Q50	Q90	Q95	Percentile	Marker	Probability of reaching or	Probability of exactly
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	(Veh)	(Veh)	(Veh)	(Veh)	(Veh)	message	message	exceeding marker	reaching marker
1	1.57	0.03	0.27	1.57	1.87			N/A	N/A
2	0.71	0.03	0.27	0.71	1.43			N/A	N/A
3	0.04	0.00	0.00	0.04	0.04			N/A	N/A
4	1.78	0.03	0.26	1.78	1.78			N/A	N/A

17:45 - 18:00

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	1.12	0.05	0.65	2.49	3.59			N/A	N/A
2	0.60	0.55	1.00	1.40	1.45			N/A	N/A
3	0.03	0.00	0.00	0.03	0.03			N/A	N/A
4	1.40	0.08	1.03	2.83	3.85			N/A	N/A

2026 Base + Com Dev, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	B2166 jw Vinnetrow Road	Standard Roundabout		1, 2, 3, 4	9.01	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	2026 Base + Com Dev	AM	PHF	08:00	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 (Veh/hr)	Scaling Factor (%)
1		✓	200	100.000
2		✓	965	100.000
3		✓	37	100.000
4		✓	649	100.000

Peak Hour Factor Data (Traffic)

Arm	Hourly volume (Veh/hr)	Peak hour factor	Peak time segment
1	200	0.82	SecondQuarter
2	965	0.82	SecondQuarter
3	37	0.82	SecondQuarter
4	649	0.82	SecondQuarter

Origin-Destination Data

Demand (Veh/hr)

		To			
From		1	2	3	4
	1	2	126	10	62
	2	251	0	6	708
	3	13	7	0	17
	4	64	574	11	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
From		1	2	3	4
	1	0	5	30	5
	2	3	0	17	4
	3	23	14	0	0
	4	11	6	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
1	0.36	8.34	0.6	1.9	A
2	0.76	9.13	3.0	11.1	A
3	0.08	6.55	0.1	0.5	A
4	0.67	9.20	2.0	4.7	A

Main Results for each time segment

08:00 - 08:15

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	171	502	790	0.216	170	0.3	5.793	A
2	824	72	1578	0.522	819	1.1	4.722	A
3	32	869	808	0.039	31	0.0	4.634	A
4	554	232	1232	0.450	551	0.8	5.272	A

08:15 - 08:30

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	244	718	673	0.362	243	0.6	8.343	A
2	1177	103	1556	0.756	1169	3.0	9.130	A
3	45	1240	595	0.076	45	0.1	6.549	A
4	791	331	1173	0.675	787	2.0	9.200	A

08:30 - 08:45

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	215	637	717	0.300	215	0.4	7.187	A
2	1036	91	1564	0.662	1040	2.0	6.913	A
3	40	1102	674	0.059	40	0.1	5.678	A
4	696	294	1195	0.583	699	1.4	7.291	A

08:45 - 09:00

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	171	508	787	0.217	171	0.3	5.849	A
2	824	73	1577	0.522	827	1.1	4.823	A
3	32	877	803	0.039	32	0.0	4.667	A
4	554	234	1230	0.450	556	0.8	5.363	A

Queue Variation Results for each time segment

08:00 - 08:15

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	0.27	0.00	0.00	0.27	0.27			N/A	N/A
2	1.08	0.05	0.45	2.61	3.99			N/A	N/A
3	0.04	0.03	0.25	0.45	0.48			N/A	N/A
4	0.81	0.06	0.64	1.47	1.91			N/A	N/A

08:15 - 08:30

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	0.56	0.03	0.26	0.56	0.56			N/A	N/A
2	2.98	0.03	0.29	2.98	11.06			N/A	N/A
3	0.08	0.03	0.26	0.47	0.50			N/A	N/A
4	2.01	0.03	0.28	2.01	4.70			N/A	N/A

08:30 - 08:45

Arm	Mean	Q05	Q50	Q90	Q95	Percentile	Marker	Probability of reaching or	Probability of exactly
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	(Veh)	(Veh)	(Veh)	(Veh)	(Veh)	message	message	exceeding marker	reaching marker
1	0.43	0.03	0.29	1.19	1.90			N/A	N/A
2	2.00	0.03	0.26	2.00	2.00			N/A	N/A
3	0.06	0.00	0.00	0.06	0.06			N/A	N/A
4	1.42	0.03	0.26	1.42	1.42			N/A	N/A

08:45 - 09:00

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	0.28	0.00	0.00	0.28	0.28			N/A	N/A
2	1.11	0.06	0.67	2.39	3.43			N/A	N/A
3	0.04	0.00	0.00	0.04	0.04			N/A	N/A
4	0.83	0.06	0.73	1.39	1.82			N/A	N/A

2026 Base + Com Dev, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	B2166 jw Vinnetrow Road	Standard Roundabout		1, 2, 3, 4	13.55	B

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	2026 Base + Com Dev	PM	PHF	17:00	18:00	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 (Veh/hr)	Scaling Factor (%)
1		✓	437	100.000
2		✓	719	100.000
3		✓	32	100.000
4		✓	925	100.000

Peak Hour Factor Data (Traffic)

Arm	Hourly volume (Veh/hr)	Peak hour factor	Peak time segment
1	437	0.92	SecondQuarter
2	719	0.92	SecondQuarter
3	32	0.92	SecondQuarter
4	925	0.92	SecondQuarter

Origin-Destination Data

Demand (Veh/hr)

		To			
From		1	2	3	4
	1	0	334	16	87
	2	149	0	0	570
	3	7	14	0	11
	4	43	858	24	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
From		1	2	3	4
	1	0	3	0	2
	2	5	0	0	3
	3	0	7	0	0
	4	10	3	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
1	0.84	32.09	4.2	21.7	D
2	0.51	4.70	1.0	1.5	A
3	0.04	4.32	0.0	0.5	A
4	0.78	12.03	3.3	14.7	B

Main Results for each time segment

17:00 - 17:15

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	412	837	641	0.643	405	1.7	14.864	B
2	677	118	1556	0.435	674	0.8	4.067	A
3	30	755	940	0.032	30	0.0	3.955	A
4	871	159	1309	0.666	864	1.9	7.954	A

17:15 - 17:30

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	475	969	568	0.836	465	4.2	32.095	D
2	782	136	1545	0.506	781	1.0	4.704	A
3	35	873	868	0.040	35	0.0	4.322	A
4	1005	185	1294	0.777	1000	3.3	12.034	B

17:30 - 17:45

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	450	924	593	0.758	453	3.4	26.384	D
2	740	131	1548	0.478	740	0.9	4.462	A
3	33	830	894	0.037	33	0.0	4.183	A
4	952	175	1299	0.733	954	2.8	10.483	B

17:45 - 18:00

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	412	847	635	0.648	418	1.9	16.980	C
2	677	121	1554	0.436	678	0.8	4.110	A
3	30	761	936	0.032	30	0.0	3.973	A
4	871	160	1308	0.666	875	2.0	8.362	A

Queue Variation Results for each time segment

17:00 - 17:15

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	1.72	0.08	1.09	3.84	5.38			N/A	N/A
2	0.76	0.13	0.89	1.40	1.46			N/A	N/A
3	0.03	0.03	0.25	0.45	0.48			N/A	N/A
4	1.94	0.06	0.95	4.80	7.00			N/A	N/A

17:15 - 17:30

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	4.20	0.04	0.43	11.62	21.66			N/A	N/A
2	1.01	0.03	0.26	1.01	1.01			N/A	N/A
3	0.04	0.03	0.25	0.45	0.48			N/A	N/A
4	3.30	0.03	0.30	3.30	14.66			N/A	N/A

17:30 - 17:45

Arm	Mean	Q05	Q50	Q90	Q95	Percentile	Marker	Probability of reaching or	Probability of exactly
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	(Veh)	(Veh)	(Veh)	(Veh)	(Veh)	message	message	exceeding marker	reaching marker
1	3.40	0.03	0.30	3.40	14.46			N/A	N/A
2	0.92	0.03	0.26	0.92	0.92			N/A	N/A
3	0.04	0.00	0.00	0.04	0.04			N/A	N/A
4	2.84	0.03	0.27	2.84	2.84			N/A	N/A

17:45 - 18:00

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	1.93	0.04	0.37	4.92	9.90			N/A	N/A
2	0.78	0.52	0.99	1.40	1.45			N/A	N/A
3	0.03	0.00	0.00	0.03	0.03			N/A	N/A
4	2.05	0.05	0.48	5.51	8.85			N/A	N/A

2031 Base, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	B2166 jw Vinnetrow Road	Standard Roundabout		1, 2, 3, 4	7.33	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)
D5	2031 Base	AM	PHF	08:00	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 (Veh/hr)	Scaling Factor (%)
1		✓	185	100.000
2		✓	821	100.000
3		✓	40	100.000
4		✓	627	100.000

Peak Hour Factor Data (Traffic)

Arm	Hourly volume (Veh/hr)	Peak hour factor	Peak time segment
1	185	0.82	SecondQuarter
2	821	0.82	SecondQuarter
3	40	0.82	SecondQuarter
4	627	0.82	SecondQuarter

Origin-Destination Data

Demand (Veh/hr)

		To			
From		1	2	3	4
	1	2	107	11	65
	2	215	0	7	599
	3	14	8	0	18
	4	67	548	12	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
From		1	2	3	4
	1	0	6	30	5
	2	4	0	17	5
	3	23	14	0	0
	4	11	6	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
1	0.33	7.83	0.5	1.6	A
2	0.65	6.62	1.8	1.9	A
3	0.07	5.65	0.1	0.5	A
4	0.64	8.22	1.7	2.2	A

Main Results for each time segment

08:00 - 08:15

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	158	482	795	0.199	157	0.2	5.634	A
2	701	76	1559	0.449	698	0.8	4.162	A
3	34	749	872	0.039	34	0.0	4.294	A
4	535	203	1247	0.429	532	0.7	5.018	A

08:15 - 08:30

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	226	689	683	0.330	225	0.5	7.832	A
2	1001	109	1537	0.651	997	1.8	6.620	A
3	49	1070	686	0.071	49	0.1	5.647	A
4	765	290	1195	0.640	761	1.7	8.219	A

08:30 - 08:45

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	199	611	725	0.274	199	0.4	6.846	A
2	881	97	1545	0.570	883	1.3	5.450	A
3	43	948	757	0.057	43	0.1	5.044	A
4	673	257	1215	0.554	675	1.3	6.694	A

08:45 - 09:00

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	158	487	793	0.199	158	0.3	5.683	A
2	701	77	1559	0.450	703	0.8	4.216	A
3	34	754	869	0.039	34	0.0	4.312	A
4	535	205	1246	0.430	537	0.8	5.094	A

Queue Variation Results for each time segment

08:00 - 08:15

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	0.25	0.00	0.00	0.25	0.25			N/A	N/A
2	0.81	0.06	0.62	1.49	1.94			N/A	N/A
3	0.04	0.03	0.25	0.45	0.48			N/A	N/A
4	0.75	0.06	0.67	1.04	1.61			N/A	N/A

08:15 - 08:30

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	0.49	0.03	0.26	0.49	0.49			N/A	N/A
2	1.83	0.03	0.27	1.83	1.83			N/A	N/A
3	0.08	0.03	0.26	0.47	0.50			N/A	N/A
4	1.73	0.03	0.27	1.73	2.20			N/A	N/A

08:30 - 08:45

Arm	Mean	Q05	Q50	Q90	Q95	Percentile	Marker	Probability of reaching or	Probability of exactly
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	(Veh)	(Veh)	(Veh)	(Veh)	(Veh)	message	message	exceeding marker	reaching marker
1	0.38	0.03	0.30	1.21	1.61			N/A	N/A
2	1.34	0.03	0.26	1.34	1.34			N/A	N/A
3	0.06	0.00	0.00	0.06	0.06			N/A	N/A
4	1.26	0.03	0.26	1.26	1.26			N/A	N/A

08:45 - 09:00

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	0.25	0.00	0.00	0.25	0.25			N/A	N/A
2	0.82	0.09	0.85	1.49	1.50			N/A	N/A
3	0.04	0.00	0.00	0.04	0.04			N/A	N/A
4	0.76	0.07	0.77	1.41	1.41			N/A	N/A

2031 Base, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	B2166 jw Vinnetrow Road	Standard Roundabout		1, 2, 3, 4	10.25	B

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	2031 Base	PM	PHF	17:00	18:00	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 (Veh/hr)	Scaling Factor (%)
1		✓	408	100.000
2		✓	654	100.000
3		✓	35	100.000
4		✓	862	100.000

Peak Hour Factor Data (Traffic)

Arm	Hourly volume (Veh/hr)	Peak hour factor	Peak time segment
1	408	0.92	SecondQuarter
2	654	0.92	SecondQuarter
3	35	0.92	SecondQuarter
4	862	0.92	SecondQuarter

Origin-Destination Data

Demand (Veh/hr)

		To			
From		1	2	3	4
	1	0	298	17	93
	2	135	0	0	519
	3	8	15	0	12
	4	46	791	25	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
From		1	2	3	4
	1	0	4	0	2
	2	6	0	0	4
	3	0	7	0	0
	4	10	3	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
1	0.74	21.36	2.6	13.4	C
2	0.47	4.40	0.9	1.5	A
3	0.04	4.16	0.0	0.5	A
4	0.72	9.71	2.5	7.4	A

Main Results for each time segment

17:00 - 17:15

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	384	777	669	0.575	379	1.3	12.220	B
2	616	126	1540	0.400	613	0.7	3.874	A
3	33	700	972	0.034	33	0.0	3.832	A
4	812	148	1315	0.618	806	1.6	6.989	A

17:15 - 17:30

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	443	900	602	0.737	438	2.6	21.363	C
2	711	145	1527	0.465	710	0.9	4.399	A
3	38	810	904	0.042	38	0.0	4.157	A
4	937	172	1301	0.720	933	2.5	9.706	A

17:30 - 17:45

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	420	856	626	0.671	422	2.1	17.830	C
2	673	139	1531	0.440	673	0.8	4.199	A
3	36	769	929	0.039	36	0.0	4.031	A
4	887	163	1306	0.679	888	2.2	8.649	A

17:45 - 18:00

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	384	785	664	0.578	387	1.4	13.123	B
2	616	128	1539	0.400	617	0.7	3.906	A
3	33	705	969	0.034	33	0.0	3.846	A
4	812	149	1314	0.618	814	1.6	7.227	A

Queue Variation Results for each time segment

17:00 - 17:15

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	1.31	0.09	1.05	2.50	3.29			N/A	N/A
2	0.66	0.14	0.89	1.38	1.44			N/A	N/A
3	0.03	0.03	0.25	0.45	0.48			N/A	N/A
4	1.58	0.07	0.97	3.61	5.06			N/A	N/A

17:15 - 17:30

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	2.58	0.03	0.32	4.53	13.44			N/A	N/A
2	0.86	0.03	0.25	0.86	0.86			N/A	N/A
3	0.04	0.03	0.25	0.46	0.48			N/A	N/A
4	2.49	0.03	0.28	2.49	7.35			N/A	N/A

17:30 - 17:45

Arm	Mean	Q05	Q50	Q90	Q95	Percentile	Marker	Probability of reaching or	Probability of exactly
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	(Veh)	(Veh)	(Veh)	(Veh)	(Veh)	message	message	exceeding marker	reaching marker
1	2.14	0.03	0.28	2.14	4.46			N/A	N/A
2	0.79	0.03	0.27	0.79	1.02			N/A	N/A
3	0.04	0.00	0.00	0.04	0.04			N/A	N/A
4	2.17	0.03	0.26	2.17	2.17			N/A	N/A

17:45 - 18:00

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	1.42	0.04	0.44	3.68	5.96			N/A	N/A
2	0.67	0.55	1.00	1.40	1.45			N/A	N/A
3	0.04	0.00	0.00	0.04	0.04			N/A	N/A
4	1.65	0.06	0.87	3.92	5.75			N/A	N/A

2031 Base + Com Dev, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	B2166 jw Vinnetrow Road	Standard Roundabout		1, 2, 3, 4	10.38	B

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	2031 Base + Com Dev	AM	PHF	08:00	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 (Veh/hr)	Scaling Factor (%)
1		✓	210	100.000
2		✓	1012	100.000
3		✓	40	100.000
4		✓	684	100.000

Peak Hour Factor Data (Traffic)

Arm	Hourly volume (Veh/hr)	Peak hour factor	Peak time segment
1	210	0.82	SecondQuarter
2	1012	0.82	SecondQuarter
3	40	0.82	SecondQuarter
4	684	0.82	SecondQuarter

Origin-Destination Data

Demand (Veh/hr)

		To			
From		1	2	3	4
	1	2	132	11	65
	2	263	0	7	742
	3	14	8	0	18
	4	67	605	12	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
From		1	2	3	4
	1	0	5	30	5
	2	3	0	17	4
	3	23	14	0	0
	4	11	6	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
1	0.39	9.04	0.6	2.1	A
2	0.80	10.68	3.7	17.2	B
3	0.09	7.03	0.1	0.5	A
4	0.72	10.54	2.4	8.8	B

Main Results for each time segment

08:00 - 08:15

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	179	530	774	0.231	178	0.3	6.023	A
2	864	76	1575	0.549	859	1.2	5.000	A
3	34	910	783	0.044	34	0.0	4.802	A
4	584	244	1225	0.477	580	0.9	5.557	A

08:15 - 08:30

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	256	757	651	0.393	255	0.6	9.044	A
2	1234	109	1552	0.795	1224	3.7	10.682	B
3	49	1297	561	0.087	49	0.1	7.027	A
4	834	347	1164	0.717	828	2.4	10.544	B

08:30 - 08:45

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	225	674	697	0.324	226	0.5	7.661	A
2	1086	97	1560	0.696	1091	2.3	7.760	A
3	43	1156	642	0.067	43	0.1	6.010	A
4	734	309	1186	0.619	737	1.7	8.079	A

08:45 - 09:00

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	179	536	771	0.232	180	0.3	6.097	A
2	864	77	1574	0.549	868	1.2	5.133	A
3	34	920	778	0.044	34	0.0	4.843	A
4	584	246	1223	0.477	587	0.9	5.686	A

Queue Variation Results for each time segment

08:00 - 08:15

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	0.30	0.00	0.00	0.30	0.30			N/A	N/A
2	1.20	0.04	0.43	2.99	4.91			N/A	N/A
3	0.05	0.03	0.25	0.45	0.48			N/A	N/A
4	0.90	0.05	0.56	1.82	2.63			N/A	N/A

08:15 - 08:30

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	0.64	0.03	0.26	0.64	0.64			N/A	N/A
2	3.67	0.03	0.31	4.12	17.18			N/A	N/A
3	0.09	0.03	0.26	0.47	0.50			N/A	N/A
4	2.43	0.03	0.29	2.43	8.77			N/A	N/A

08:30 - 08:45

Arm	Mean	Q05	Q50	Q90	Q95	Percentile	Marker	Probability of reaching or	Probability of exactly
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	(Veh)	(Veh)	(Veh)	(Veh)	(Veh)	message	message	exceeding marker	reaching marker
1	0.48	0.03	0.29	1.11	2.14			N/A	N/A
2	2.35	0.03	0.26	2.35	2.35			N/A	N/A
3	0.07	0.00	0.00	0.07	0.07			N/A	N/A
4	1.66	0.03	0.26	1.66	1.66			N/A	N/A

08:45 - 09:00

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	0.31	0.00	0.00	0.31	0.31			N/A	N/A
2	1.23	0.05	0.48	2.95	4.57			N/A	N/A
3	0.05	0.00	0.00	0.05	0.05			N/A	N/A
4	0.92	0.06	0.64	1.82	2.58			N/A	N/A

2031 Base + Com Dev, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	B2166 jw Vinnetrow Road	Standard Roundabout		1, 2, 3, 4	18.56	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)
D8	2031 Base + Com Dev	PM	PHF	17:00	18:00	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 (Veh/hr)	Scaling Factor (%)
1		✓	462	100.000
2		✓	757	100.000
3		✓	35	100.000
4		✓	976	100.000

Peak Hour Factor Data (Traffic)

Arm	Hourly volume (Veh/hr)	Peak hour factor	Peak time segment
1	462	0.92	SecondQuarter
2	757	0.92	SecondQuarter
3	35	0.92	SecondQuarter
4	976	0.92	SecondQuarter

Origin-Destination Data

Demand (Veh/hr)

		To			
From		1	2	3	4
	1	0	352	17	93
	2	157	0	0	600
	3	8	15	0	12
	4	46	905	25	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
From		1	2	3	4
	1	0	3	0	2
	2	5	0	0	3
	3	0	7	0	0
	4	10	3	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
1	0.93	49.83	7.3	33.3	E
2	0.53	5.00	1.1	1.5	A
3	0.05	4.49	0.0	0.5	A
4	0.82	14.87	4.3	22.7	B

Main Results for each time segment

17:00 - 17:15

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	435	881	616	0.706	426	2.2	18.191	C
2	713	125	1552	0.460	710	0.8	4.258	A
3	33	796	916	0.036	33	0.0	4.077	A
4	919	169	1303	0.706	910	2.3	8.964	A

17:15 - 17:30

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	502	1020	541	0.929	482	7.3	49.830	E
2	823	142	1541	0.534	822	1.1	4.998	A
3	38	919	840	0.045	38	0.0	4.488	A
4	1061	195	1287	0.824	1053	4.3	14.875	B

17:30 - 17:45

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	475	975	565	0.841	480	6.1	44.994	E
2	779	140	1542	0.505	779	1.0	4.725	A
3	36	876	866	0.042	36	0.0	4.337	A
4	1004	185	1293	0.777	1007	3.6	12.728	B

17:45 - 18:00

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	435	895	609	0.715	449	2.7	24.118	C
2	713	131	1548	0.461	714	0.9	4.319	A
3	33	804	911	0.036	33	0.0	4.103	A
4	919	170	1303	0.706	924	2.5	9.632	A

Queue Variation Results for each time segment

17:00 - 17:15

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	2.24	0.07	1.15	5.53	7.95			N/A	N/A
2	0.84	0.11	0.90	1.38	1.38			N/A	N/A
3	0.04	0.03	0.25	0.45	0.48			N/A	N/A
4	2.32	0.06	0.97	5.96	8.92			N/A	N/A

17:15 - 17:30

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	7.26	0.09	2.07	19.97	29.66			N/A	N/A
2	1.13	0.03	0.26	1.13	1.13			N/A	N/A
3	0.05	0.03	0.25	0.46	0.48			N/A	N/A
4	4.31	0.03	0.33	7.64	22.68			N/A	N/A

17:30 - 17:45

Arm	Mean	Q05	Q50	Q90	Q95	Percentile	Marker	Probability of reaching or	Probability of exactly
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	(Veh)	(Veh)	(Veh)	(Veh)	(Veh)	message	message	exceeding marker	reaching marker
1	6.13	0.04	0.39	15.42	33.34			N/A	N/A
2	1.03	0.03	0.26	1.03	1.03			N/A	N/A
3	0.04	0.00	0.00	0.04	0.04			N/A	N/A
4	3.65	0.03	0.27	3.65	5.65			N/A	N/A

17:45 - 18:00

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	2.69	0.03	0.34	5.70	14.42			N/A	N/A
2	0.86	0.50	0.98	1.41	1.46			N/A	N/A
3	0.04	0.00	0.00	0.04	0.04			N/A	N/A
4	2.48	0.04	0.42	6.81	12.14			N/A	N/A

2031 Base + Com Dev + Dev, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	B2166 jw Vinnetrow Road	Standard Roundabout		1, 2, 3, 4	10.92	B

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	2031 Base + Com Dev + Dev	AM	PHF	08:00	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 (Veh/hr)	Scaling Factor (%)
1		✓	215	100.000
2		✓	1032	100.000
3		✓	40	100.000
4		✓	687	100.000

Peak Hour Factor Data (Traffic)

Arm	Hourly volume (Veh/hr)	Peak hour factor	Peak time segment
1	215	0.82	SecondQuarter
2	1032	0.82	SecondQuarter
3	40	0.82	SecondQuarter
4	687	0.82	SecondQuarter

Origin-Destination Data

Demand (Veh/hr)

		To			
From		1	2	3	4
	1	2	137	11	65
	2	276	0	7	749
	3	14	8	0	18
	4	67	608	12	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
From		1	2	3	4
	1	0	5	30	5
	2	3	0	17	4
	3	23	14	0	0
	4	11	6	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
1	0.40	9.22	0.7	2.2	A
2	0.81	11.43	4.0	20.0	B
3	0.09	7.21	0.1	0.5	A
4	0.73	10.93	2.5	9.8	B

Main Results for each time segment

08:00 - 08:15

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	184	533	773	0.237	182	0.3	6.079	A
2	881	76	1575	0.559	876	1.3	5.116	A
3	34	927	774	0.044	34	0.0	4.865	A
4	586	255	1218	0.481	583	0.9	5.633	A

08:15 - 08:30

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	262	760	650	0.404	261	0.7	9.220	A
2	1259	109	1552	0.811	1247	4.0	11.432	B
3	49	1320	548	0.089	49	0.1	7.210	A
4	838	363	1155	0.726	831	2.5	10.927	B

08:30 - 08:45

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	231	677	695	0.332	231	0.5	7.776	A
2	1108	97	1561	0.710	1114	2.5	8.161	A
3	43	1178	629	0.068	43	0.1	6.142	A
4	737	324	1178	0.626	741	1.7	8.298	A

08:45 - 09:00

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	184	539	770	0.238	184	0.3	6.155	A
2	881	77	1574	0.560	886	1.3	5.267	A
3	34	937	768	0.044	34	0.0	4.908	A
4	586	257	1217	0.482	590	0.9	5.771	A

Queue Variation Results for each time segment

08:00 - 08:15

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	0.31	0.00	0.00	0.31	0.31			N/A	N/A
2	1.25	0.04	0.42	3.20	5.32			N/A	N/A
3	0.05	0.03	0.25	0.45	0.48			N/A	N/A
4	0.92	0.05	0.54	1.88	2.75			N/A	N/A

08:15 - 08:30

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	0.67	0.03	0.26	0.67	0.67			N/A	N/A
2	4.02	0.03	0.32	5.72	19.97			N/A	N/A
3	0.10	0.03	0.26	0.47	0.50			N/A	N/A
4	2.53	0.03	0.29	2.53	9.79			N/A	N/A

08:30 - 08:45

Arm	Mean	Q05	Q50	Q90	Q95	Percentile	Marker	Probability of reaching or	Probability of exactly
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	(Veh)	(Veh)	(Veh)	(Veh)	(Veh)	message	message	exceeding marker	reaching marker
1	0.50	0.03	0.29	1.06	2.20			N/A	N/A
2	2.51	0.03	0.26	2.51	2.51			N/A	N/A
3	0.07	0.00	0.00	0.07	0.07			N/A	N/A
4	1.71	0.03	0.26	1.71	1.71			N/A	N/A

08:45 - 09:00

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	0.32	0.00	0.00	0.32	0.32			N/A	N/A
2	1.29	0.05	0.46	3.22	5.04			N/A	N/A
3	0.05	0.00	0.00	0.05	0.05			N/A	N/A
4	0.94	0.05	0.60	1.89	2.74			N/A	N/A

2031 Base + Com Dev + Dev, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Queue variations	Analysis Options	Queue percentiles may be unreliable if the mean queue in any time segment is very low or very high.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	B2166 jw Vinnetrow Road	Standard Roundabout		1, 2, 3, 4	20.53	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)
D10	2031 Base + Com Dev + Dev	PM	PHF	17:00	18:00	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 (Veh/hr)	Scaling Factor (%)
1		✓	474	100.000
2		✓	766	100.000
3		✓	35	100.000
4		✓	982	100.000

Peak Hour Factor Data (Traffic)

Arm	Hourly volume (Veh/hr)	Peak hour factor	Peak time segment
1	474	0.92	SecondQuarter
2	766	0.92	SecondQuarter
3	35	0.92	SecondQuarter
4	982	0.92	SecondQuarter

Origin-Destination Data

Demand (Veh/hr)

	To				
From		1	2	3	4
	1	0	364	17	93
	2	163	0	0	603
	3	8	15	0	12
	4	46	911	25	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
From		1	2	3	4
	1	0	3	0	2
	2	5	0	0	3
	3	0	7	0	0
	4	10	3	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (Veh)	Max 95th percentile Queue (Veh)	Max LOS
1	0.96	57.40	8.8	40.6	F
2	0.54	5.06	1.2	1.5	A
3	0.05	4.52	0.0	0.5	A
4	0.83	15.48	4.5	24.2	C

Main Results for each time segment

17:00 - 17:15

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	447	887	613	0.728	437	2.5	19.439	C
2	722	125	1552	0.465	718	0.9	4.301	A
3	33	804	911	0.036	33	0.0	4.101	A
4	925	174	1300	0.712	916	2.4	9.159	A

17:15 - 17:30

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	515	1026	537	0.959	490	8.8	57.397	F
2	833	141	1541	0.540	831	1.2	5.062	A
3	38	928	835	0.046	38	0.0	4.519	A
4	1067	202	1283	0.832	1059	4.5	15.477	C

17:30 - 17:45

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	488	981	561	0.869	492	7.8	55.653	F
2	788	140	1542	0.511	789	1.1	4.784	A
3	36	885	861	0.042	36	0.0	4.365	A
4	1010	191	1289	0.784	1013	3.8	13.211	B

17:45 - 18:00

Arm	Total Demand (Veh/hr)	Circulating flow (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
1	447	901	606	0.737	465	3.1	28.382	D
2	722	132	1547	0.466	722	0.9	4.367	A
3	33	814	905	0.036	33	0.0	4.131	A
4	925	175	1299	0.712	930	2.6	9.890	A

Queue Variation Results for each time segment

17:00 - 17:15

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	2.47	0.07	1.19	6.21	9.00			N/A	N/A
2	0.86	0.11	0.90	1.49	1.50			N/A	N/A
3	0.04	0.03	0.25	0.45	0.48			N/A	N/A
4	2.38	0.06	0.98	6.18	9.25			N/A	N/A

17:15 - 17:30

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	8.81	0.15	3.81	22.90	32.31			N/A	N/A
2	1.16	0.03	0.26	1.16	1.16			N/A	N/A
3	0.05	0.03	0.25	0.46	0.48			N/A	N/A
4	4.52	0.03	0.34	8.66	24.15			N/A	N/A

17:30 - 17:45

Arm	Mean	Q05	Q50	Q90	Q95	Percentile	Marker	Probability of reaching or	Probability of exactly
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	(Veh)	(Veh)	(Veh)	(Veh)	(Veh)	message	message	exceeding marker	reaching marker
1	7.80	0.05	0.48	22.24	40.58			N/A	N/A
2	1.06	0.03	0.26	1.06	1.06			N/A	N/A
3	0.04	0.00	0.00	0.04	0.04			N/A	N/A
4	3.81	0.03	0.28	3.81	6.84			N/A	N/A

17:45 - 18:00

Arm	Mean (Veh)	Q05 (Veh)	Q50 (Veh)	Q90 (Veh)	Q95 (Veh)	Percentile message	Marker message	Probability of reaching or exceeding marker	Probability of exactly reaching marker
1	3.06	0.03	0.33	6.04	16.34			N/A	N/A
2	0.88	0.48	0.98	1.41	1.47			N/A	N/A
3	0.04	0.00	0.00	0.04	0.04			N/A	N/A
4	2.56	0.04	0.41	6.99	12.73			N/A	N/A