

Junctions 11

ARCADY 11 - Roundabout Module

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Wrotham Road, Meopham\Modelling\Arcady

Report generation date: 27/05/2026 11:39:23

»D1 - 2032 | Reference Case | AM
»D2 - 2032 | Reference Case | PM
»D3 - 2032 | Reference Case + Site 1 | AM
»D4 - 2032 | Reference Case + Site 1 | PM
»D7 - 2032 | Reference Case + Site 1 + Site 2 | AM
»D8 - 2032 | Reference Case + Site 1 + Site 2 | PM
»D9 - 2042 | Local Plan | AM
»D10 - 2042 | Local Plan | PM
»D11 - 2042 | Local Plan + Site 1 | AM
»D12 - 2042 | Local Plan + Site 1 | PM
»D15 - 2042 | Local Plan + Site 1 + Site 2 | AM
»D16 - 2042 | Local Plan + Site 1 + Site 2 | PM

Summary of junction performance

	AM				PM			
	Set ID	Queue (PCU)	Delay (s)	RFC	Set ID	Queue (PCU)	Delay (s)	RFC
	2032 - Reference Case							
Junction 1 - Arm 2	D1	0.7	2.37	0.39	D2	0.9	2.66	0.46
Junction 1 - Arm 3		1.3	4.08	0.55		3.1	7.92	0.76
Junction 1 - Arm 4		115.8	168.99	1.11		105.7	161.56	1.10
Junction 2 - Arm 1		0.6	6.57	0.39		0.9	6.86	0.47
Junction 2 - Arm 2		18.0	59.26	0.98		3.0	10.83	0.75
Junction 2 - Arm 4		1.8	4.17	0.65		1.3	3.37	0.57
	2032 - Reference Case + Site 1							
Junction 1 - Arm 2	D3	0.6	2.33	0.38	D4	0.8	2.59	0.46
Junction 1 - Arm 3		1.3	4.13	0.56		3.4	8.44	0.78
Junction 1 - Arm 4		116.9	170.49	1.11		110.8	170.86	1.11
Junction 2 - Arm 1		0.6	6.53	0.38		0.9	6.80	0.46
Junction 2 - Arm 2		24.3	74.87	1.00		3.3	11.48	0.77
Junction 2 - Arm 4		1.9	4.31	0.66		1.4	3.46	0.58
	2032 - Reference Case + Site 1 + Site 2							
Junction 1 - Arm 2	D7	0.6	2.34	0.39	D8	0.9	2.65	0.46
Junction 1 - Arm 3		1.3	4.19	0.57		3.4	8.54	0.78
Junction 1 - Arm 4		116.6	170.46	1.11		111.9	172.68	1.11
Junction 2 - Arm 1		0.6	6.52	0.38		0.9	6.82	0.46
Junction 2 - Arm 2		26.7	80.63	1.01		3.1	11.07	0.76
Junction 2 - Arm 4		1.9	4.31	0.66		1.4	3.48	0.58
	2042 - Local Plan							
Junction 1 - Arm 2	D9	0.5	2.20	0.35	D10	0.8	2.57	0.44
Junction 1 - Arm 3		1.4	4.14	0.58		4.4	10.30	0.82
Junction 1 - Arm 4		106.2	159.39	1.10		102.0	167.08	1.10
Junction 2 - Arm 1		0.6	6.78	0.38		0.8	6.70	0.44
Junction 2 - Arm 2		111.0	290.54	1.17		4.8	15.52	0.83
Junction 2 - Arm 4		2.1	4.55	0.68		1.5	3.67	0.60
	2042 - Local Plan + Site 1							
Junction 1 - Arm 2	D11	0.5	2.21	0.35	D12	0.8	2.59	0.45
Junction 1 - Arm 3		1.4	4.19	0.58		4.1	9.73	0.81
Junction 1 - Arm 4		106.4	160.18	1.10		91.3	151.47	1.09
Junction 2 - Arm 1		0.6	6.78	0.38		0.8	6.78	0.45
Junction 2 - Arm 2		119.5	316.37	1.18		4.9	15.62	0.84
Junction 2 - Arm 4		2.1	4.58	0.68		1.5	3.64	0.60
	2042 - Local Plan + Site 1 + Site 2							
Junction 1 - Arm 2	D15	0.6	2.21	0.35	D16	0.8	2.60	0.45
Junction 1 - Arm 3		1.4	4.19	0.58		4.5	10.58	0.82
Junction 1 - Arm 4		104.4	157.81	1.10		93.6	155.38	1.09
Junction 2 - Arm 1		0.6	6.78	0.38		0.8	6.72	0.45
Junction 2 - Arm 2		121.8	322.83	1.19		5.1	16.11	0.84
Junction 2 - Arm 4		2.1	4.56	0.68		1.5	3.65	0.60

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

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

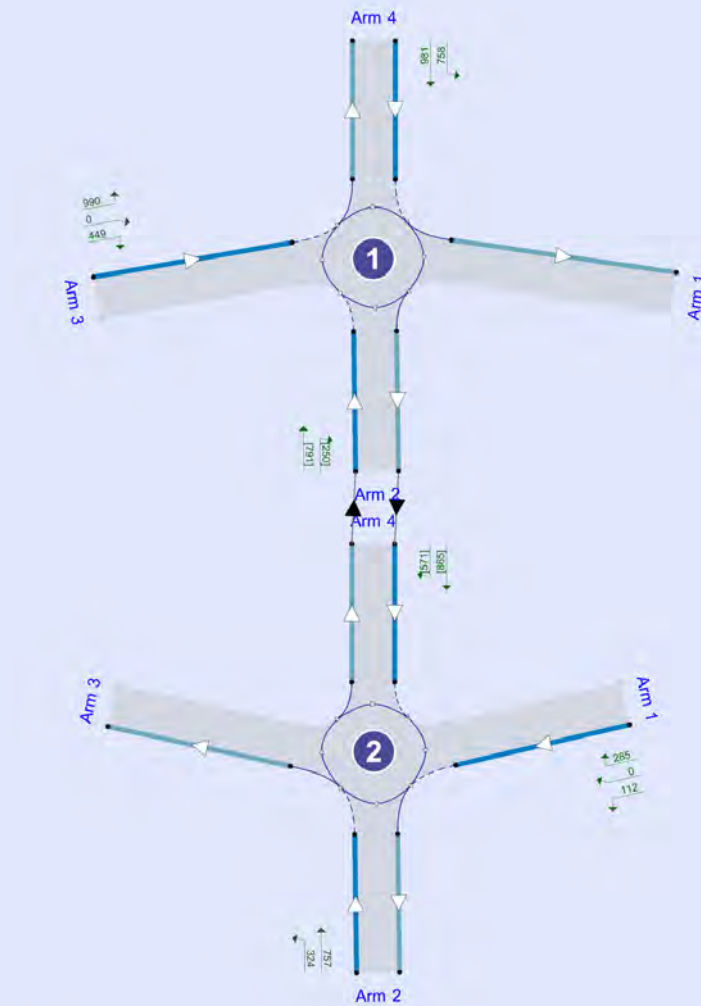
File summary

File Description

Title	
Location	Wrotham Road/A2 Southern Roundabout
Site number	9
Date	09/04/2026
Version	
Status	(new file)
Identifier	MJ
Client	Richborough
Jobnumber	T25512
Enumerator	AzureAD\MatthewJohnson
Description	

Units

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



Flows show original traffic demand (PCU/hr)

The junction diagram reflects the last run of Junctions.

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Show lane queues in feet / metres	Show all PICADY stream intercepts	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)	Use simulation for HCM roundabouts	Use iterations for HCM roundabouts
5.75						0.85	36.00	20.00		

Demand Set Summary

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2032	Reference Case	AM	ONE HOUR	07:45	09:15	15	✓
D2	2032	Reference Case	PM	ONE HOUR	16:45	18:15	15	✓
D3	2032	Reference Case + Site 1	AM	ONE HOUR	07:45	09:15	15	✓
D4	2032	Reference Case + Site 1	PM	ONE HOUR	16:45	18:15	15	✓
D5	2032	Reference Case + Site 2	AM	ONE HOUR	07:45	09:15	15	✓
D6	2032	Reference Case + Site 2	PM	ONE HOUR	16:45	18:15	15	✓
D7	2032	Reference Case + Site 1 + Site 2	AM	ONE HOUR	07:45	09:15	15	✓
D8	2032	Reference Case + Site 1 + Site 2	PM	ONE HOUR	16:45	18:15	15	✓
D9	2042	Local Plan	AM	ONE HOUR	07:45	09:15	15	✓
D10	2042	Local Plan	PM	ONE HOUR	16:45	18:15	15	✓
D11	2042	Local Plan + Site 1	AM	ONE HOUR	07:45	09:15	15	✓
D12	2042	Local Plan + Site 1	PM	ONE HOUR	16:45	18:15	15	✓
D13	2042	Local Plan + Site 2	AM	ONE HOUR	07:45	09:15	15	✓
D14	2042	Local Plan + Site 2	PM	ONE HOUR	16:45	18:15	15	✓
D15	2042	Local Plan + Site 1 + Site 2	AM	ONE HOUR	07:45	09:15	15	✓
D16	2042	Local Plan + Site 1 + Site 2	PM	ONE HOUR	16:45	18:15	15	✓

Analysis Set Details

ID	Include in report	Use specific Demand Set(s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	✓	✓	D1,D2,D3,D4,D7,D8,D9,D10,D11,D12,D15,D16	100.000	100.000

D1 - 2032 | Reference Case | AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	1, 2, 3, 4	86.80	F
2	untitled	Standard Roundabout	1, 2, 3, 4	23.76	C

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	59.83	F

Arms

Arms

Junction	Arm	Name	Description	No give-way line
1	1	A2 Watling Street On-Slip		
	2	Wrotham Road S		
	3	A2 Watling Street Off-Slip		
	4	Wrotham Road N		
2	1	A2 Watling Street Off-Slip		
	2	Wrotham Road S		
	3	A2 Watling Street On-Slip		
	4	Wrotham Road N		

Roundabout Geometry

Junction	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)	Entry only	Exit only
1	1								✓
	2	7.10	8.50	18.0	31.1	60.0	27.0		
	3	7.30	9.40	17.0	34.4	60.0	22.0	✓	
	4	4.80	8.30	22.3	43.1	60.0	24.0		
2	1	3.80	8.70	14.3	20.1	60.0	35.0	✓	
	2	4.20	8.40	12.8	25.5	60.0	22.0		
	3								✓
	4	7.20	8.30	15.0	20.5	60.0	28.0		

Slope / Intercept / Capacity

Roundabout Slope and Intercept used in model

Junction	Arm	Final slope	Final intercept (PCU/hr)
1	1		
	2	0.713	2560
	3	0.760	2797
	4	0.667	2262
2	1	0.575	1828
	2	0.613	1966
	3		
	4	0.693	2471

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

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2032	Reference Case	AM	ONE HOUR	07:45	09:15	15	✓

Linked Arm Data

Junction	Arm	Feeding Junction	Feeding Arm	Link Type	Flow source	Uniform flow (PCU/hr)	Flow multiplier (%)	Internal storage space (PCU)
1	2	2	4	Queue limited	Normal	0	100.00	33.00
2	4	1	2	Queue limited	Normal	0	100.00	33.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	1					
	2	✓				
	3		ONE HOUR	✓	1020	100.000
	4		ONE HOUR	✓	1979	100.000
2	1		ONE HOUR	✓	324	100.000
	2		ONE HOUR	✓	1029	100.000
	3					
	4	✓				

Origin-Destination Data

Demand (PCU/hr)

Junction 2

	To				
		1	2	3	4
From	1	0	56	0	268
	2	0	0	369	660
	3	0	0	0	0
	4	0	567	1008	0

Demand (PCU/hr)

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	178	0	0	749
	3	0	222	0	798
	4	618	1361	0	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

Junction 2

	To				
		1	2	3	4
From	1	0	1	0	1
	2	0	0	1	3
	3	0	0	0	0
	4	0	2	1	0

Heavy Vehicle %

Junction 1

	To				
		1	2	3	4
	1	0	0	0	0
	2	2	0	0	2
	3	0	2	0	3
	4	1	2	0	0

Results

Results Summary for whole modelled period

Junction	Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	1						
	2	0.39	2.37	0.7	A	851	1276
	3	0.55	4.08	1.3	A	936	1404
	4	1.11	168.99	115.8	F	1816	2724
2	1	0.39	6.57	0.6	A	297	446
	2	0.98	59.26	18.0	F	944	1416
	3						
	4	0.65	4.17	1.8	A	1451	2177

Main Results for each time segment

07:45 - 08:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1184				595				
	2	694	174	0	2560	0.271	693	1184	0.0	0.4	1.964	A
	3	768	192	693	2270	0.338	766	0	0.0	0.5	2.456	A
	4	1490	372	300	2062	0.723	1480	1159	0.0	2.6	6.179	A
2	1	244	61	1180	1149	0.212	243	0	0.0	0.3	4.006	A
	2	775	194	956	1379	0.562	770	467	0.0	1.3	5.987	A
	3			694				1031				
	4	1184	296	0	2471	0.479	1180	694	0.0	0.9	2.818	A

08:00 - 08:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1412				710				
	2	830	208	0	2560	0.324	830	1412	0.4	0.5	2.122	A
	3	917	229	830	2166	0.423	916	0	0.5	0.8	2.959	A
	4	1779	445	359	2023	0.880	1763	1387	2.6	6.6	13.322	B
2	1	291	73	1410	1017	0.286	291	0	0.3	0.4	5.001	A
	2	925	231	1143	1265	0.731	920	558	1.3	2.7	10.489	B
	3			830				1232				
	4	1412	353	0	2471	0.571	1410	830	0.9	1.3	3.427	A

08:15 - 08:30

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1588				801				
	2	993	248	0	2560	0.388	993	1588	0.5	0.6	2.340	A
	3	1123	281	993	2042	0.550	1121	0	0.8	1.2	4.008	A
	4	2179	545	435	1972	1.105	1954	1679	6.6	62.9	72.629	F
2	1	357	89	1586	916	0.389	356	0	0.4	0.6	6.475	A
	2	1133	283	1309	1163	0.974	1090	632	2.7	13.5	37.622	E
	3			993				1406				
	4	1588	397	0	2471	0.642	1586	993	1.3	1.8	4.112	A

08:30 - 08:45

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1597				808				
	2	1010	252	0	2560	0.394	1010	1597	0.6	0.7	2.368	A
	3	1123	281	1010	2029	0.553	1123	0	1.2	1.3	4.082	A
	4	2179	545	438	1970	1.106	1967	1695	62.9	115.8	168.985	F
2	1	357	89	1597	910	0.392	357	0	0.6	0.6	6.573	A
	2	1133	283	1317	1158	0.978	1115	637	13.5	18.0	59.264	F
	3			1010				1422				
	4	1597	399	0	2471	0.646	1597	1010	1.8	1.8	4.172	A

08:45 - 09:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1575				792				
	2	872	218	0	2560	0.340	872	1575	0.7	0.5	2.175	A
	3	917	229	872	2134	0.430	919	0	1.3	0.8	3.049	A
	4	1779	445	367	2017	0.882	1999	1424	115.8	60.7	160.334	F
2	1	291	73	1575	923	0.316	292	0	0.6	0.5	5.774	A
	2	925	231	1250	1200	0.771	982	618	18.0	3.7	20.745	C
	3			872				1360				
	4	1575	394	0	2471	0.637	1575	872	1.8	1.8	4.073	A

09:00 - 09:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1351				673				
	2	705	176	0	2560	0.275	705	1351	0.5	0.4	1.979	A
	3	768	192	705	2261	0.340	769	0	0.8	0.5	2.483	A
	4	1490	372	303	2060	0.723	1722	1171	60.7	2.8	21.142	C
2	1	244	61	1354	1050	0.232	245	0	0.5	0.3	4.518	A
	2	775	194	1069	1311	0.591	783	530	3.7	1.5	7.094	A
	3			705				1147				
	4	1351	338	0	2471	0.547	1354	705	1.8	1.2	3.270	A

D2 - 2032 | Reference Case | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	1, 2, 3, 4	74.59	F
2	untitled	Standard Roundabout	1, 2, 3, 4	6.45	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	48.04	E

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	2032	Reference Case	PM	ONE HOUR	16:45	18:15	15	✓

Linked Arm Data

Junction	Arm	Feeding Junction	Feeding Arm	Link Type	Flow source	Uniform flow (PCU/hr)	Flow multiplier (%)	Internal storage space (PCU)
1	2	2	4	Queue limited	Normal	0	100.00	33.00
2	4	1	2	Queue limited	Normal	0	100.00	33.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	1					
	2	✓				
	3		ONE HOUR	✓	1306	100.000
	4		ONE HOUR	✓	1888	100.000
2	1		ONE HOUR	✓	440	100.000
	2		ONE HOUR	✓	918	100.000
	3					
	4	✓				

Origin-Destination Data

		Demand (PCU/hr)				
Junction 2	From	To				
			1	2	3	4
		1	0	88	0	352
		2	0	0	197	721
		3	0	0	0	0
		4	0	754	605	0

Demand (PCU/hr)

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	199	0	0	873
	3	0	308	0	998
	4	830	1058	0	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

Junction 2

	To				
		1	2	3	4
From	1	0	3	0	3
	2	0	0	0	2
	3	0	0	0	0
	4	0	1	0	0

Heavy Vehicle %

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	2	0	0	2
	3	0	1	0	2
	4	1	1	0	0

Results

Results Summary for whole modelled period

Junction	Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	1						
	2	0.46	2.66	0.9	A	984	1476
	3	0.76	7.92	3.1	A	1198	1798
	4	1.10	161.56	105.7	F	1732	2599
2	1	0.47	6.86	0.9	A	404	606
	2	0.75	10.83	3.0	B	842	1264
	3						
	4	0.57	3.37	1.3	A	1252	1879

Main Results for each time segment

16:45 - 17:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1022				770				
	2	804	201	0	2560	0.314	802	1022	0.0	0.5	2.087	A
	3	983	246	802	2187	0.450	980	0	0.0	0.8	3.027	A
	4	1421	355	380	2009	0.708	1412	1402	0.0	2.4	6.000	A
2	1	331	83	1019	1242	0.267	330	0	0.0	0.4	4.058	A
	2	691	173	718	1526	0.453	688	632	0.0	0.8	4.345	A
	3			804				601				
	4	1022	256	0	2471	0.414	1019	804	0.0	0.7	2.489	A

17:00 - 17:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1220				918				
	2	962	241	0	2560	0.376	962	1220	0.5	0.6	2.297	A
	3	1174	294	962	2066	0.568	1172	0	0.8	1.3	4.089	A
	4	1697	424	455	1959	0.867	1683	1679	2.4	5.9	12.587	B
2	1	396	99	1218	1127	0.351	395	0	0.4	0.6	5.055	A
	2	825	206	858	1440	0.573	823	755	0.8	1.3	5.911	A
	3			962				719				
	4	1220	305	0	2471	0.493	1218	962	0.7	1.0	2.886	A

17:15 - 17:30

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1386				1041				
	2	1175	294	0	2560	0.459	1174	1386	0.6	0.9	2.648	A
	3	1438	359	1174	1904	0.755	1431	0	1.3	3.0	7.633	A
	4	2079	520	556	1892	1.099	1871	2050	5.9	57.8	70.114	F
2	1	484	121	1385	1032	0.470	483	0	0.6	0.9	6.739	A
	2	1011	253	1003	1351	0.748	1005	865	1.3	2.9	10.375	B
	3			1175				832				
	4	1386	347	0	2471	0.561	1385	1175	1.0	1.3	3.329	A

17:30 - 17:45

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1396				1049				
	2	1181	295	0	2560	0.461	1181	1396	0.9	0.9	2.661	A
	3	1438	359	1181	1899	0.757	1438	0	3.0	3.1	7.922	A
	4	2079	520	558	1890	1.100	1887	2060	57.8	105.7	161.555	F
2	1	484	121	1396	1025	0.473	484	0	0.9	0.9	6.855	A
	2	1011	253	1009	1347	0.750	1010	872	2.9	3.0	10.830	B
	3			1181				838				
	4	1396	349	0	2471	0.565	1396	1181	1.3	1.3	3.366	A

17:45 - 18:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1364				1032				
	2	970	243	0	2560	0.379	971	1364	0.9	0.6	2.313	A
	3	1174	294	971	2059	0.570	1181	0	3.1	1.4	4.205	A
	4	1697	424	459	1956	0.868	1938	1693	105.7	45.6	142.572	F
2	1	396	99	1364	1044	0.379	397	0	0.9	0.6	5.743	A
	2	825	206	925	1399	0.590	831	836	3.0	1.5	6.508	A
	3			970				786				
	4	1364	341	0	2471	0.552	1364	970	1.3	1.2	3.269	A

18:00 - 18:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1125				851				
	2	810	203	0	2560	0.317	811	1125	0.6	0.5	2.101	A
	3	983	246	811	2180	0.451	985	0	1.4	0.8	3.072	A
	4	1421	355	383	2007	0.708	1594	1413	45.6	2.5	13.375	B
2	1	331	83	1127	1180	0.281	332	0	0.6	0.4	4.379	A
	2	691	173	767	1495	0.462	694	692	1.5	0.9	4.575	A
	3			810				651				
	4	1125	281	0	2471	0.455	1127	810	1.2	0.8	2.697	A

D3 - 2032 | Reference Case + Site 1 | AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	1, 2, 3, 4	87.40	F
2	untitled	Standard Roundabout	1, 2, 3, 4	29.62	D

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	62.55	F

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	2032	Reference Case + Site 1	AM	ONE HOUR	07:45	09:15	15	✓

Linked Arm Data

Junction	Arm	Feeding Junction	Feeding Arm	Link Type	Flow source	Uniform flow (PCU/hr)	Flow multiplier (%)	Internal storage space (PCU)
1	2	2	4	Queue limited	Normal	0	100.00	33.00
2	4	1	2	Queue limited	Normal	0	100.00	33.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	1					
	2	✓				
	3		ONE HOUR	✓	1047	100.000
	4		ONE HOUR	✓	1981	100.000
2	1		ONE HOUR	✓	306	100.000
	2		ONE HOUR	✓	1056	100.000
	3					
	4	✓				

Origin-Destination Data

		Demand (PCU/hr)				
Junction 2	From	To				
			1	2	3	4
		1	0	55	0	251
		2	0	0	396	660
		3	0	0	0	0
		4	0	579	1023	0

Demand (PCU/hr)

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	164	0	0	746
	3	0	237	0	810
	4	607	1374	0	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

Junction 2

	To				
		1	2	3	4
From	1	0	1	0	1
	2	0	0	1	2
	3	0	0	0	0
	4	0	2	1	0

Heavy Vehicle %

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	2	0	0	2
	3	0	2	0	3
	4	1	2	0	0

Results

Results Summary for whole modelled period

Junction	Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	1						
	2	0.38	2.33	0.6	A	835	1253
	3	0.56	4.13	1.3	A	961	1441
	4	1.11	170.49	116.9	F	1818	2727
2	1	0.38	6.53	0.6	A	281	421
	2	1.00	74.87	24.3	F	969	1454
	3						
	4	0.66	4.31	1.9	A	1477	2215

Main Results for each time segment

07:45 - 08:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1205				576				
	2	682	170	0	2560	0.266	680	1205	0.0	0.4	1.950	A
	3	788	197	680	2280	0.346	786	0	0.0	0.5	2.474	A
	4	1491	373	301	2062	0.723	1481	1166	0.0	2.6	6.201	A
2	1	230	58	1201	1137	0.203	229	0	0.0	0.3	4.000	A
	2	795	199	955	1380	0.576	790	475	0.0	1.4	6.141	A
	3			682				1063				
	4	1205	301	0	2471	0.488	1201	682	0.0	1.0	2.865	A

08:00 - 08:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1437				687				
	2	815	204	0	2560	0.318	814	1437	0.4	0.5	2.103	A
	3	941	235	814	2178	0.432	940	0	0.5	0.8	2.988	A
	4	1781	445	360	2022	0.881	1765	1395	2.6	6.7	13.422	B
2	1	275	69	1435	1003	0.274	275	0	0.3	0.4	4.988	A
	2	949	237	1142	1266	0.750	943	568	1.4	2.9	11.123	B
	3			815				1270				
	4	1437	359	0	2471	0.581	1435	815	1.0	1.4	3.514	A

08:15 - 08:30

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1616				773				
	2	968	242	0	2560	0.378	967	1616	0.5	0.6	2.305	A
	3	1153	288	967	2062	0.559	1151	0	0.8	1.3	4.052	A
	4	2181	545	435	1972	1.106	1954	1683	6.7	63.5	73.184	F
2	1	337	84	1614	900	0.374	336	0	0.4	0.6	6.443	A
	2	1163	291	1306	1165	0.998	1107	644	2.9	16.7	43.627	E
	3			968				1446				
	4	1616	404	0	2471	0.654	1614	968	1.4	1.9	4.243	A

08:30 - 08:45

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1626				780				
	2	984	246	0	2560	0.384	984	1626	0.6	0.6	2.329	A
	3	1153	288	984	2049	0.563	1153	0	1.3	1.3	4.128	A
	4	2181	545	438	1970	1.107	1967	1699	63.5	116.9	170.488	F
2	1	337	84	1625	894	0.377	337	0	0.6	0.6	6.529	A
	2	1163	291	1314	1160	1.002	1133	648	16.7	24.3	74.874	F
	3			984				1463				
	4	1626	406	0	2471	0.658	1625	984	1.9	1.9	4.311	A

08:45 - 09:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1599				769				
	2	870	217	0	2560	0.340	870	1599	0.6	0.5	2.174	A
	3	941	235	870	2136	0.441	943	0	1.3	0.8	3.107	A
	4	1781	445	370	2015	0.884	1998	1443	116.9	62.7	163.165	F
2	1	275	69	1599	909	0.303	276	0	0.6	0.4	5.750	A
	2	949	237	1247	1201	0.790	1030	628	24.3	4.2	28.893	D
	3			870				1407				
	4	1599	400	0	2471	0.647	1599	870	1.9	1.9	4.184	A

09:00 - 09:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1379				655				
	2	693	173	0	2560	0.271	693	1379	0.5	0.4	1.967	A
	3	788	197	693	2270	0.347	789	0	0.8	0.5	2.502	A
	4	1491	373	304	2059	0.724	1731	1179	62.7	2.8	22.606	C
2	1	230	58	1382	1034	0.223	231	0	0.4	0.3	4.532	A
	2	795	199	1072	1309	0.607	805	541	4.2	1.6	7.411	A
	3			693				1184				
	4	1379	345	0	2471	0.558	1382	693	1.9	1.3	3.354	A

D4 - 2032 | Reference Case + Site 1 | PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	1, 2, 3, 4	78.03	F
2	untitled	Standard Roundabout	1, 2, 3, 4	6.73	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	50.01	F

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	2032	Reference Case + Site 1	PM	ONE HOUR	16:45	18:15	15	✓

Linked Arm Data

Junction	Arm	Feeding Junction	Feeding Arm	Link Type	Flow source	Uniform flow (PCU/hr)	Flow multiplier (%)	Internal storage space (PCU)
1	2	2	4	Queue limited	Normal	0	100.00	33.00
2	4	1	2	Queue limited	Normal	0	100.00	33.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	1					
	2	✓				
	3		ONE HOUR	✓	1345	100.000
	4		ONE HOUR	✓	1873	100.000
2	1		ONE HOUR	✓	420	100.000
	2		ONE HOUR	✓	953	100.000
	3					
	4	✓				

Origin-Destination Data

Demand (PCU/hr)

Junction 2

	To				
From		1	2	3	4
	1	0	87	0	333
	2	0	0	221	732
	3	0	0	0	0
	4	0	796	597	0

Demand (PCU/hr)

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	203	0	0	861
	3	0	342	0	1003
	4	815	1058	0	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

Junction 2

	To				
		1	2	3	4
From	1	0	3	0	3
	2	0	0	0	2
	3	0	0	0	0
	4	0	1	0	0

Heavy Vehicle %

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0

Results

Results Summary for whole modelled period

Junction	Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	1						
	2	0.46	2.59	0.8	A	977	1465
	3	0.78	8.44	3.4	A	1234	1851
	4	1.11	170.86	110.8	F	1719	2578
2	1	0.46	6.80	0.9	A	385	578
	2	0.77	11.48	3.3	B	874	1312
	3						
	4	0.58	3.46	1.4	A	1284	1925

Main Results for each time segment

16:45 - 17:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1048				761				
	2	798	199	0	2560	0.312	796	1048	0.0	0.5	2.039	A
	3	1013	253	796	2192	0.462	1009	0	0.0	0.9	3.035	A
	4	1410	353	409	1990	0.709	1401	1397	0.0	2.4	6.020	A
2	1	316	79	1045	1227	0.258	315	0	0.0	0.4	4.058	A
	2	717	179	697	1538	0.466	714	662	0.0	0.9	4.415	A
	3			798				613				
	4	1048	262	0	2471	0.424	1045	798	0.0	0.7	2.532	A

17:00 - 17:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1250				908				
	2	955	239	0	2560	0.373	955	1250	0.5	0.6	2.242	A
	3	1209	302	955	2071	0.584	1207	0	0.9	1.4	4.155	A
	4	1684	421	489	1936	0.870	1669	1673	2.4	6.0	12.843	B
2	1	378	94	1249	1110	0.340	377	0	0.4	0.5	5.053	A
	2	857	214	834	1455	0.589	855	792	0.9	1.4	6.070	A
	3			955				733				
	4	1250	312	0	2471	0.506	1249	955	0.7	1.0	2.958	A

17:15 - 17:30

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1417				1025				
	2	1166	292	0	2560	0.455	1165	1417	0.6	0.8	2.579	A
	3	1481	370	1165	1911	0.775	1473	0	1.4	3.3	8.078	A
	4	2062	516	597	1864	1.106	1846	2042	6.0	60.2	73.306	F
2	1	462	116	1416	1014	0.456	461	0	0.5	0.9	6.689	A
	2	1049	262	972	1370	0.766	1042	905	1.4	3.2	10.940	B
	3			1166				849				
	4	1417	354	0	2471	0.573	1416	1166	1.0	1.3	3.425	A

17:30 - 17:45

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1427				1033				
	2	1172	293	0	2560	0.458	1172	1427	0.8	0.8	2.592	A
	3	1481	370	1172	1906	0.777	1480	0	3.3	3.4	8.441	A
	4	2062	516	600	1862	1.108	1860	2053	60.2	110.8	170.863	F
2	1	462	116	1427	1008	0.459	462	0	0.9	0.9	6.798	A
	2	1049	262	978	1366	0.768	1049	911	3.2	3.3	11.483	B
	3			1172				855				
	4	1427	357	0	2471	0.577	1427	1172	1.3	1.4	3.464	A

17:45 - 18:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1392				1018				
	2	963	241	0	2560	0.376	964	1392	0.8	0.6	2.256	A
	3	1209	302	964	2064	0.586	1217	0	3.4	1.4	4.289	A
	4	1684	421	493	1933	0.871	1916	1688	110.8	52.9	155.482	F
2	1	378	94	1392	1028	0.367	379	0	0.9	0.6	5.721	A
	2	857	214	897	1416	0.605	863	874	3.3	1.6	6.691	A
	3			963				797				
	4	1392	348	0	2471	0.563	1392	963	1.4	1.3	3.353	A

18:00 - 18:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1168				855				
	2	804	201	0	2560	0.314	805	1168	0.6	0.5	2.051	A
	3	1013	253	805	2185	0.463	1015	0	1.4	0.9	3.084	A
	4	1410	353	412	1987	0.709	1611	1408	52.9	2.5	16.435	C
2	1	316	79	1170	1155	0.274	317	0	0.6	0.4	4.428	A
	2	717	179	753	1504	0.477	720	734	1.6	0.9	4.677	A
	3			804				668				
	4	1168	292	0	2471	0.473	1170	804	1.3	0.9	2.786	A

D7 - 2032 | Reference Case + Site 1 + Site 2 | AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	1, 2, 3, 4	86.96	F
2	untitled	Standard Roundabout	1, 2, 3, 4	31.82	D

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	63.25	F

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D7	2032	Reference Case + Site 1 + Site 2	AM	ONE HOUR	07:45	09:15	15	✓

Linked Arm Data

Junction	Arm	Feeding Junction	Feeding Arm	Link Type	Flow source	Uniform flow (PCU/hr)	Flow multiplier (%)	Internal storage space (PCU)
1	2	2	4	Queue limited	Normal	0	100.00	33.00
2	4	1	2	Queue limited	Normal	0	100.00	33.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	1					
	2	✓				
	3		ONE HOUR	✓	1056	100.000
	4		ONE HOUR	✓	1977	100.000
2	1		ONE HOUR	✓	305	100.000
	2		ONE HOUR	✓	1065	100.000
	3					
	4	✓				

Origin-Destination Data

Junction 2

		Demand (PCU/hr)			
From		To			
		1	2	3	4
	1	0	54	0	251
	2	0	0	397	668
	3	0	0	0	0
	4	0	581	1021	0

Demand (PCU/hr)

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	166	0	0	753
	3	0	241	0	815
	4	607	1370	0	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

Junction 2

	To				
		1	2	3	4
From	1	0	1	0	1
	2	0	0	1	2
	3	0	0	0	0
	4	0	2	1	0

Heavy Vehicle %

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	2	0	0	2
	3	0	2	0	3
	4	1	2	0	0

Results

Results Summary for whole modelled period

Junction	Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	1						
	2	0.39	2.34	0.6	A	842	1264
	3	0.57	4.19	1.3	A	969	1454
	4	1.11	170.46	116.6	F	1814	2721
2	1	0.38	6.52	0.6	A	280	420
	2	1.01	80.63	26.7	F	977	1466
	3						
	4	0.66	4.31	1.9	A	1477	2215

Main Results for each time segment

07:45 - 08:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1205				578				
	2	688	172	0	2560	0.269	686	1205	0.0	0.4	1.957	A
	3	795	199	686	2275	0.349	793	0	0.0	0.5	2.492	A
	4	1488	372	305	2059	0.723	1478	1174	0.0	2.6	6.200	A
2	1	230	57	1201	1137	0.202	229	0	0.0	0.3	3.997	A
	2	802	200	954	1381	0.581	796	476	0.0	1.4	6.198	A
	3			688				1062				
	4	1205	301	0	2471	0.488	1201	688	0.0	1.0	2.865	A

08:00 - 08:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1437				689				
	2	822	205	0	2560	0.321	821	1437	0.4	0.5	2.111	A
	3	949	237	821	2173	0.437	948	0	0.5	0.8	3.018	A
	4	1777	444	365	2019	0.880	1761	1405	2.6	6.7	13.420	B
2	1	274	69	1435	1003	0.273	274	0	0.3	0.4	4.982	A
	2	957	239	1140	1267	0.756	951	569	1.4	3.0	11.350	B
	3			822				1269				
	4	1437	359	0	2471	0.581	1435	822	1.0	1.4	3.514	A

08:15 - 08:30

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1616				774				
	2	974	243	0	2560	0.380	973	1616	0.5	0.6	2.313	A
	3	1163	291	973	2057	0.565	1161	0	0.8	1.3	4.115	A
	4	2177	544	441	1968	1.106	1950	1693	6.7	63.3	73.183	F
2	1	336	84	1614	900	0.373	335	0	0.4	0.6	6.425	A
	2	1173	293	1304	1166	1.006	1113	645	3.0	17.9	45.760	E
	3			974				1444				
	4	1616	404	0	2471	0.654	1614	974	1.4	1.9	4.246	A

08:30 - 08:45

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1626				782				
	2	990	247	0	2560	0.387	990	1626	0.6	0.6	2.337	A
	3	1163	291	990	2045	0.569	1163	0	1.3	1.3	4.194	A
	4	2177	544	444	1966	1.107	1964	1708	63.3	116.6	170.460	F
2	1	336	84	1626	893	0.376	336	0	0.6	0.6	6.520	A
	2	1173	293	1313	1161	1.010	1138	649	17.9	26.7	80.627	F
	3			990				1460				
	4	1626	407	0	2471	0.658	1626	990	1.9	1.9	4.313	A

08:45 - 09:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1599				772				
	2	883	221	0	2560	0.345	883	1599	0.6	0.5	2.189	A
	3	949	237	883	2126	0.447	951	0	1.3	0.8	3.155	A
	4	1777	444	377	2011	0.884	1993	1458	116.6	62.6	163.166	F
2	1	274	69	1599	909	0.302	275	0	0.6	0.4	5.739	A
	2	957	239	1245	1202	0.796	1047	628	26.7	4.4	32.879	D
	3			883				1409				
	4	1599	400	0	2471	0.647	1599	883	1.9	1.9	4.182	A

09:00 - 09:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1379				657				
	2	699	175	0	2560	0.273	700	1379	0.5	0.4	1.974	A
	3	795	199	700	2265	0.351	796	0	0.8	0.6	2.520	A
	4	1488	372	308	2057	0.724	1728	1188	62.6	2.8	22.541	C
2	1	230	57	1381	1034	0.222	230	0	0.4	0.3	4.528	A
	2	802	200	1070	1310	0.612	813	542	4.4	1.6	7.514	A
	3			699				1183				
	4	1379	345	0	2471	0.558	1381	699	1.9	1.3	3.355	A

D8 - 2032 | Reference Case + Site 1 + Site 2 | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	1, 2, 3, 4	78.83	F
2	untitled	Standard Roundabout	1, 2, 3, 4	6.57	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	50.46	F

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D8	2032	Reference Case + Site 1 + Site 2	PM	ONE HOUR	16:45	18:15	15	✓

Linked Arm Data

Junction	Arm	Feeding Junction	Feeding Arm	Link Type	Flow source	Uniform flow (PCU/hr)	Flow multiplier (%)	Internal storage space (PCU)
1	2	2	4	Queue limited	Normal	0	100.00	33.00
2	4	1	2	Queue limited	Normal	0	100.00	33.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	1					
	2	✓				
	3		ONE HOUR	✓	1344	100.000
	4		ONE HOUR	✓	1872	100.000
2	1		ONE HOUR	✓	420	100.000
	2		ONE HOUR	✓	945	100.000
	3					
	4	✓				

Origin-Destination Data

		Demand (PCU/hr)				
Junction 2	From	To				
			1	2	3	4
		1	0	88	0	332
		2	0	0	210	735
		3	0	0	0	0
		4	0	804	593	0

Demand (PCU/hr)

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	203	0	0	862
	3	0	346	0	998
	4	814	1058	0	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

Junction 2

	To				
		1	2	3	4
From	1	0	3	0	3
	2	0	0	0	2
	3	0	0	0	0
	4	0	1	0	0

Heavy Vehicle %

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	2	0	0	2
	3	0	1	0	1
	4	1	1	0	0

Results

Results Summary for whole modelled period

Junction	Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	1						
	2	0.46	2.65	0.9	A	978	1468
	3	0.78	8.54	3.4	A	1233	1850
	4	1.11	172.68	111.9	F	1718	2577
2	1	0.46	6.82	0.9	A	385	578
	2	0.76	11.07	3.1	B	867	1301
	3						
	4	0.58	3.48	1.4	A	1287	1931

Main Results for each time segment

16:45 - 17:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1051				761				
	2	799	200	0	2560	0.312	798	1051	0.0	0.5	2.081	A
	3	1012	253	798	2191	0.462	1008	0	0.0	0.9	3.066	A
	4	1409	352	412	1987	0.709	1400	1394	0.0	2.4	6.091	A
2	1	316	79	1048	1226	0.258	315	0	0.0	0.4	4.065	A
	2	711	178	694	1541	0.462	708	669	0.0	0.9	4.374	A
	3			799				602				
	4	1051	263	0	2471	0.425	1048	799	0.0	0.7	2.537	A

17:00 - 17:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1253				908				
	2	957	239	0	2560	0.374	956	1253	0.5	0.6	2.289	A
	3	1208	302	956	2070	0.584	1206	0	0.9	1.4	4.199	A
	4	1683	421	493	1933	0.870	1668	1670	2.4	6.1	13.027	B
2	1	378	94	1252	1108	0.341	377	0	0.4	0.5	5.066	A
	2	850	212	829	1457	0.583	847	800	0.9	1.4	5.971	A
	3			957				720				
	4	1253	313	0	2471	0.507	1252	957	0.7	1.0	2.966	A

17:15 - 17:30

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1420				1024				
	2	1169	292	0	2560	0.456	1168	1420	0.6	0.9	2.635	A
	3	1480	370	1168	1909	0.775	1472	0	1.4	3.3	8.170	A
	4	2061	515	602	1861	1.108	1843	2038	6.1	60.7	74.080	F
2	1	462	116	1419	1012	0.457	461	0	0.5	0.9	6.712	A
	2	1040	260	967	1373	0.758	1034	913	1.4	3.0	10.579	B
	3			1169				832				
	4	1420	355	0	2471	0.575	1419	1169	1.0	1.3	3.435	A

17:30 - 17:45

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1430				1031				
	2	1174	294	0	2560	0.459	1174	1430	0.9	0.9	2.648	A
	3	1480	370	1174	1904	0.777	1479	0	3.3	3.4	8.537	A
	4	2061	515	605	1859	1.109	1856	2049	60.7	111.9	172.680	F
2	1	462	116	1430	1006	0.460	462	0	0.9	0.9	6.821	A
	2	1040	260	972	1370	0.760	1040	920	3.0	3.1	11.065	B
	3			1174				838				
	4	1430	358	0	2471	0.579	1430	1174	1.3	1.4	3.475	A

17:45 - 18:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1394				1016				
	2	965	241	0	2560	0.377	966	1394	0.9	0.6	2.305	A
	3	1208	302	966	2063	0.586	1216	0	3.4	1.4	4.336	A
	4	1683	421	497	1930	0.872	1913	1685	111.9	54.3	157.974	F
2	1	378	94	1395	1026	0.368	379	0	0.9	0.6	5.733	A
	2	850	212	891	1419	0.599	856	882	3.1	1.5	6.557	A
	3			965				782				
	4	1394	349	0	2471	0.564	1395	965	1.4	1.3	3.362	A

18:00 - 18:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1175				857				
	2	806	201	0	2560	0.315	807	1175	0.6	0.5	2.095	A
	3	1012	253	807	2184	0.463	1014	0	1.4	0.9	3.113	A
	4	1409	352	415	1985	0.710	1616	1406	54.3	2.6	17.320	C
2	1	316	79	1176	1152	0.275	317	0	0.6	0.4	4.447	A
	2	711	178	750	1506	0.472	714	743	1.5	0.9	4.628	A
	3			806				658				
	4	1175	294	0	2471	0.475	1176	806	1.3	0.9	2.797	A

D9 - 2042 | Local Plan | AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	1, 2, 3, 4	79.50	F
2	untitled	Standard Roundabout	1, 2, 3, 4	118.42	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	96.97	F

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D9	2042	Local Plan	AM	ONE HOUR	07:45	09:15	15	✓

Linked Arm Data

Junction	Arm	Feeding Junction	Feeding Arm	Link Type	Flow source	Uniform flow (PCU/hr)	Flow multiplier (%)	Internal storage space (PCU)
1	2	2	4	Queue limited	Normal	0	100.00	33.00
2	4	1	2	Queue limited	Normal	0	100.00	33.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	1					
	2	✓				
	3		ONE HOUR	✓	1114	100.000
	4		ONE HOUR	✓	1927	100.000
2	1		ONE HOUR	✓	302	100.000
	2		ONE HOUR	✓	1278	100.000
	3					
	4	✓				

Origin-Destination Data

Demand (PCU/hr)

Junction 2		To				
	From		1	2	3	4
		1	0	58	0	244
		2	0	0	615	663
		3	0	0	0	0
		4	0	666	947	0

Demand (PCU/hr)

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	175	0	0	732
	3	0	292	0	822
	4	582	1345	0	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

Junction 2

	To				
		1	2	3	4
From	1	0	1	0	1
	2	0	0	1	2
	3	0	0	0	0
	4	0	2	1	0

Heavy Vehicle %

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	2	0	0	2
	3	0	2	0	3
	4	2	2	0	0

Results

Results Summary for whole modelled period

Junction	Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	1						
	2	0.35	2.20	0.5	A	831	1247
	3	0.58	4.14	1.4	A	1022	1533
	4	1.10	159.39	106.2	F	1768	2652
2	1	0.38	6.78	0.6	A	277	416
	2	1.17	290.54	111.0	F	1173	1759
	3						
	4	0.68	4.55	2.1	A	1501	2251

Main Results for each time segment

07:45 - 08:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1225				566				
	2	678	169	0	2560	0.265	676	1225	0.0	0.4	1.949	A
	3	839	210	676	2283	0.367	836	0	0.0	0.6	2.552	A
	4	1451	363	350	2029	0.715	1441	1163	0.0	2.5	6.145	A
2	1	227	57	1221	1126	0.202	226	0	0.0	0.3	4.037	A
	2	962	241	900	1414	0.680	954	548	0.0	2.1	7.800	A
	3			678				1176				
	4	1225	306	0	2471	0.496	1221	678	0.0	1.0	2.909	A

08:00 - 08:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1461				674				
	2	806	202	0	2560	0.315	806	1461	0.4	0.5	2.093	A
	3	1001	250	806	2184	0.458	1000	0	0.6	0.9	3.121	A
	4	1732	433	418	1983	0.873	1717	1389	2.5	6.3	13.086	B
2	1	271	68	1459	989	0.274	271	0	0.3	0.4	5.058	A
	2	1149	287	1075	1306	0.879	1132	654	2.1	6.3	19.354	C
	3			806				1401				
	4	1461	365	0	2471	0.591	1459	806	1.0	1.5	3.599	A

08:15 - 08:30

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1657				749				
	2	888	222	0	2560	0.347	888	1657	0.5	0.5	2.195	A
	3	1227	307	888	2122	0.578	1224	0	0.9	1.4	4.110	A
	4	2122	530	492	1934	1.097	1914	1620	6.3	58.4	69.673	F
2	1	333	83	1654	877	0.379	332	0	0.4	0.6	6.655	A
	2	1407	352	1239	1206	1.167	1196	747	6.3	59.1	109.308	F
	3			888				1547				
	4	1657	414	0	2471	0.670	1654	888	1.5	2.0	4.454	A

08:30 - 08:45

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1669				755				
	2	891	223	0	2560	0.348	891	1669	0.5	0.5	2.199	A
	3	1227	307	891	2120	0.579	1226	0	1.4	1.4	4.140	A
	4	2122	530	493	1933	1.098	1930	1624	58.4	106.2	159.394	F
2	1	333	83	1668	869	0.383	332	0	0.6	0.6	6.777	A
	2	1407	352	1248	1201	1.172	1199	753	59.1	111.0	260.971	F
	3			891				1557				
	4	1669	417	0	2471	0.675	1668	891	2.0	2.1	4.545	A

08:45 - 09:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1629				757				
	2	860	215	0	2560	0.336	860	1629	0.5	0.5	2.159	A
	3	1001	250	860	2143	0.467	1003	0	1.4	0.9	3.249	A
	4	1732	433	429	1976	0.877	1957	1434	106.2	50.0	145.572	F
2	1	271	68	1629	891	0.305	272	0	0.6	0.4	5.878	A
	2	1149	287	1177	1244	0.923	1233	725	111.0	89.9	290.538	F
	3			860				1550				
	4	1629	407	0	2471	0.659	1629	860	2.1	2.0	4.338	A

09:00 - 09:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1365				662				
	2	864	216	0	2560	0.337	864	1365	0.5	0.5	2.164	A
	3	839	210	864	2140	0.392	840	0	0.9	0.7	2.845	A
	4	1451	363	387	2004	0.724	1640	1317	50.0	2.8	16.729	C
2	1	227	57	1367	1042	0.218	228	0	0.4	0.3	4.472	A
	2	962	241	987	1361	0.707	1310	608	89.9	3.0	119.020	F
	3			864				1433				
	4	1365	341	0	2471	0.552	1367	864	2.0	1.3	3.314	A

D10 - 2042 | Local Plan | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	1, 2, 3, 4	73.75	F
2	untitled	Standard Roundabout	1, 2, 3, 4	8.41	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	47.21	E

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D10	2042	Local Plan	PM	ONE HOUR	16:45	18:15	15	✓

Linked Arm Data

Junction	Arm	Feeding Junction	Feeding Arm	Link Type	Flow source	Uniform flow (PCU/hr)	Flow multiplier (%)	Internal storage space (PCU)
1	2	2	4	Queue limited	Normal	0	100.00	33.00
2	4	1	2	Queue limited	Normal	0	100.00	33.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	1					
	2	✓				
	3		ONE HOUR	✓	1441	100.000
	4		ONE HOUR	✓	1763	100.000
2	1		ONE HOUR	✓	392	100.000
	2		ONE HOUR	✓	1057	100.000
	3					
	4	✓				

Origin-Destination Data

Demand (PCU/hr)

Junction 2

From	To				
		1	2	3	4
	1	0	112	0	280
	2	0	0	309	748
	3	0	0	0	0
	4	0	843	607	0

Demand (PCU/hr)

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	252	0	0	775
	3	0	435	0	1006
	4	752	1011	0	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

Junction 2

	To				
		1	2	3	4
From	1	0	1	0	1
	2	0	0	0	2
	3	0	0	0	0
	4	0	1	0	0

Heavy Vehicle %

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	2	0	0	2
	3	0	1	0	1
	4	2	1	0	0

Results

Results Summary for whole modelled period

Junction	Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	1						
	2	0.44	2.57	0.8	A	943	1414
	3	0.82	10.30	4.4	B	1322	1983
	4	1.10	167.08	102.0	F	1618	2427
2	1	0.44	6.70	0.8	A	360	540
	2	0.83	15.52	4.8	C	970	1455
	3						
	4	0.60	3.67	1.5	A	1326	1989

Main Results for each time segment

16:45 - 17:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1082				751				
	2	770	193	0	2560	0.301	768	1082	0.0	0.4	2.047	A
	3	1085	271	768	2213	0.490	1081	0	0.0	1.0	3.202	A
	4	1327	332	515	1919	0.692	1318	1334	0.0	2.2	5.997	A
2	1	295	74	1079	1208	0.244	294	0	0.0	0.3	3.973	A
	2	796	199	662	1560	0.510	792	711	0.0	1.0	4.724	A
	3			770				683				
	4	1082	271	0	2471	0.438	1079	770	0.0	0.8	2.595	A

17:00 - 17:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1292				896				
	2	922	230	0	2560	0.360	921	1292	0.4	0.6	2.240	A
	3	1295	324	921	2097	0.618	1293	0	1.0	1.6	4.508	A
	4	1585	396	616	1851	0.856	1572	1598	2.2	5.5	12.518	B
2	1	352	88	1290	1086	0.324	352	0	0.3	0.5	4.946	A
	2	950	238	791	1481	0.642	947	851	1.0	1.8	6.806	A
	3			922				817				
	4	1292	323	0	2471	0.523	1290	922	0.8	1.1	3.063	A

17:15 - 17:30

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1474				1018				
	2	1123	281	0	2560	0.439	1122	1474	0.6	0.8	2.552	A
	3	1587	397	1122	1944	0.816	1576	0	1.6	4.2	9.617	A
	4	1941	485	751	1761	1.102	1741	1947	5.5	55.5	72.261	F
2	1	432	108	1473	981	0.440	430	0	0.5	0.8	6.584	A
	2	1164	291	924	1399	0.832	1153	979	1.8	4.6	14.187	B
	3			1123				953				
	4	1474	369	0	2471	0.597	1473	1123	1.1	1.5	3.621	A

17:30 - 17:45

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1485				1026				
	2	1131	283	0	2560	0.442	1131	1485	0.8	0.8	2.568	A
	3	1587	397	1131	1937	0.819	1586	0	4.2	4.4	10.297	B
	4	1941	485	756	1758	1.104	1755	1961	55.5	102.0	167.083	F
2	1	432	108	1485	974	0.443	432	0	0.8	0.8	6.699	A
	2	1164	291	930	1396	0.834	1163	987	4.6	4.8	15.517	C
	3			1131				962				
	4	1485	371	0	2471	0.601	1485	1131	1.5	1.5	3.670	A

17:45 - 18:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1443				1009				
	2	933	233	0	2560	0.364	934	1443	0.8	0.6	2.258	A
	3	1295	324	934	2087	0.621	1306	0	4.4	1.7	4.719	A
	4	1585	396	623	1846	0.858	1828	1617	102.0	41.2	143.172	F
2	1	352	88	1443	998	0.353	353	0	0.8	0.6	5.644	A
	2	950	238	856	1441	0.660	961	940	4.8	2.0	7.790	A
	3			933				885				
	4	1443	361	0	2471	0.584	1443	933	1.5	1.4	3.521	A

18:00 - 18:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1179				823				
	2	777	194	0	2560	0.304	778	1179	0.6	0.4	2.060	A
	3	1085	271	778	2206	0.492	1088	0	1.7	1.0	3.258	A
	4	1327	332	519	1916	0.693	1483	1346	41.2	2.4	12.077	B
2	1	295	74	1181	1149	0.257	296	0	0.6	0.4	4.264	A
	2	796	199	706	1533	0.519	799	771	2.0	1.1	5.000	A
	3			777				728				
	4	1179	295	0	2471	0.477	1181	777	1.4	0.9	2.808	A

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Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	1, 2, 3, 4	79.42	F
2	untitled	Standard Roundabout	1, 2, 3, 4	129.87	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	102.13	F

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D11	2042	Local Plan + Site 1	AM	ONE HOUR	07:45	09:15	15	✓

Linked Arm Data

Junction	Arm	Feeding Junction	Feeding Arm	Link Type	Flow source	Uniform flow (PCU/hr)	Flow multiplier (%)	Internal storage space (PCU)
1	2	2	4	Queue limited	Normal	0	100.00	33.00
2	4	1	2	Queue limited	Normal	0	100.00	33.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	1					
	2	✓				
	3		ONE HOUR	✓	1120	100.000
	4		ONE HOUR	✓	1920	100.000
2	1		ONE HOUR	✓	299	100.000
	2		ONE HOUR	✓	1300	100.000
	3					
	4	✓				

Origin-Destination Data

		Demand (PCU/hr)				
Junction 2	From	To				
			1	2	3	4
		1	0	55	0	244
		2	0	0	624	676
		3	0	0	0	0
		4	0	684	935	0

Demand (PCU/hr)

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	172	0	0	747
	3	0	307	0	813
	4	584	1336	0	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

Junction 2

	To				
		1	2	3	4
From	1	0	1	0	1
	2	0	0	0	2
	3	0	0	0	0
	4	0	2	1	0

Heavy Vehicle %

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	2	0	0	2
	3	0	2	0	3
	4	2	1	0	0

Results

Results Summary for whole modelled period

Junction	Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	1						
	2	0.35	2.21	0.5	A	841	1262
	3	0.58	4.19	1.4	A	1028	1542
	4	1.10	160.18	106.4	F	1762	2643
2	1	0.38	6.78	0.6	A	274	412
	2	1.18	316.37	119.5	F	1193	1789
	3						
	4	0.68	4.58	2.1	A	1506	2259

Main Results for each time segment

07:45 - 08:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1229				565				
	2	687	172	0	2560	0.268	686	1229	0.0	0.4	1.957	A
	3	843	211	686	2276	0.371	841	0	0.0	0.6	2.573	A
	4	1445	361	359	2023	0.715	1436	1168	0.0	2.5	6.112	A
2	1	225	56	1225	1124	0.200	224	0	0.0	0.3	4.038	A
	2	979	245	891	1420	0.689	970	559	0.0	2.2	7.940	A
	3			687				1173				
	4	1229	307	0	2471	0.497	1225	687	0.0	1.0	2.920	A

08:00 - 08:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1466				673				
	2	817	204	0	2560	0.319	817	1466	0.4	0.5	2.106	A
	3	1007	252	817	2176	0.463	1006	0	0.6	0.9	3.157	A
	4	1726	432	429	1976	0.873	1711	1394	2.5	6.3	13.049	B
2	1	269	67	1464	986	0.273	268	0	0.3	0.4	5.061	A
	2	1169	292	1065	1313	0.890	1150	668	2.2	6.8	20.385	C
	3			817				1398				
	4	1466	367	0	2471	0.593	1464	817	1.0	1.5	3.619	A

08:15 - 08:30

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1663				747				
	2	894	224	0	2560	0.349	894	1663	0.5	0.5	2.203	A
	3	1233	308	894	2117	0.582	1231	0	0.9	1.4	4.161	A
	4	2114	528	505	1925	1.098	1905	1620	6.3	58.4	69.900	F
2	1	329	82	1661	873	0.377	328	0	0.4	0.6	6.662	A
	2	1431	358	1227	1213	1.180	1204	762	6.8	63.5	115.615	F
	3			894				1537				
	4	1663	416	0	2471	0.673	1661	894	1.5	2.1	4.490	A

08:30 - 08:45

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1675				752				
	2	896	224	0	2560	0.350	896	1675	0.5	0.5	2.206	A
	3	1233	308	896	2116	0.583	1233	0	1.4	1.4	4.189	A
	4	2114	528	506	1925	1.098	1922	1624	58.4	106.4	160.180	F
2	1	329	82	1675	865	0.381	329	0	0.6	0.6	6.784	A
	2	1431	358	1236	1208	1.185	1207	768	63.5	119.5	278.050	F
	3			896				1547				
	4	1675	419	0	2471	0.678	1675	896	2.1	2.1	4.584	A

08:45 - 09:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1634				755				
	2	866	216	0	2560	0.338	866	1634	0.5	0.5	2.168	A
	3	1007	252	866	2139	0.471	1009	0	1.4	0.9	3.280	A
	4	1726	432	439	1970	0.876	1951	1436	106.4	50.2	146.297	F
2	1	269	67	1635	888	0.303	269	0	0.6	0.4	5.880	A
	2	1169	292	1164	1252	0.933	1242	740	119.5	101.3	316.372	F
	3			866				1540				
	4	1634	409	0	2471	0.661	1635	866	2.1	2.0	4.366	A

09:00 - 09:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1369				664				
	2	888	222	0	2560	0.347	888	1369	0.5	0.5	2.195	A
	3	843	211	888	2122	0.397	844	0	0.9	0.7	2.895	A
	4	1445	361	398	1997	0.724	1635	1335	50.2	2.8	16.832	C
2	1	225	56	1372	1039	0.217	226	0	0.4	0.3	4.472	A
	2	979	245	977	1367	0.716	1354	621	101.3	7.6	149.524	F
	3			888				1442				
	4	1369	342	0	2471	0.554	1372	888	2.0	1.3	3.328	A

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Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	1, 2, 3, 4	66.81	F
2	untitled	Standard Roundabout	1, 2, 3, 4	8.51	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	42.99	E

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D12	2042	Local Plan + Site 1	PM	ONE HOUR	16:45	18:15	15	✓

Linked Arm Data

Junction	Arm	Feeding Junction	Feeding Arm	Link Type	Flow source	Uniform flow (PCU/hr)	Flow multiplier (%)	Internal storage space (PCU)
1	2	2	4	Queue limited	Normal	0	100.00	33.00
2	4	1	2	Queue limited	Normal	0	100.00	33.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	1					
	2	✓				
	3		ONE HOUR	✓	1413	100.000
	4		ONE HOUR	✓	1741	100.000
2	1		ONE HOUR	✓	401	100.000
	2		ONE HOUR	✓	1071	100.000
	3					
	4	✓				

Origin-Destination Data

		Demand (PCU/hr)				
Junction 2	From	To				
			1	2	3	4
		1	0	115	0	286
		2	0	0	317	754
		3	0	0	0	0
		4	0	856	574	0

Demand (PCU/hr)

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	249	0	0	790
	3	0	440	0	973
	4	755	986	0	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

Junction 2

	To				
		1	2	3	4
From	1	0	2	0	1
	2	0	0	0	2
	3	0	0	0	0
	4	0	1	0	0

Heavy Vehicle %

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	2	0	0	2
	3	0	1	0	1
	4	2	1	0	0

Results

Results Summary for whole modelled period

Junction	Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	1						
	2	0.45	2.59	0.8	A	954	1430
	3	0.81	9.73	4.1	A	1297	1945
	4	1.09	151.47	91.3	F	1598	2396
2	1	0.45	6.78	0.8	A	368	552
	2	0.84	15.62	4.9	C	983	1474
	3						
	4	0.60	3.64	1.5	A	1307	1961

Main Results for each time segment

16:45 - 17:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1068				751				
	2	779	195	0	2560	0.304	777	1068	0.0	0.4	2.057	A
	3	1064	266	777	2206	0.482	1060	0	0.0	0.9	3.162	A
	4	1311	328	516	1918	0.684	1302	1321	0.0	2.1	5.853	A
2	1	302	75	1064	1216	0.248	301	0	0.0	0.3	3.977	A
	2	806	202	642	1572	0.513	802	723	0.0	1.1	4.713	A
	3			779				665				
	4	1068	267	0	2471	0.432	1064	779	0.0	0.8	2.568	A

17:00 - 17:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1274				897				
	2	932	233	0	2560	0.364	932	1274	0.4	0.6	2.255	A
	3	1270	318	932	2089	0.608	1268	0	0.9	1.5	4.416	A
	4	1565	391	618	1850	0.846	1553	1582	2.1	5.1	11.851	B
2	1	360	90	1273	1096	0.329	360	0	0.3	0.5	4.948	A
	2	963	241	768	1495	0.644	960	865	1.1	1.8	6.781	A
	3			932				795				
	4	1274	319	0	2471	0.516	1273	932	0.8	1.1	3.019	A

17:15 - 17:30

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1465				1025				
	2	1136	284	0	2560	0.444	1135	1465	0.6	0.8	2.575	A
	3	1556	389	1135	1934	0.804	1546	0	1.5	3.9	9.150	A
	4	1917	479	754	1760	1.089	1736	1928	5.1	50.3	66.828	F
2	1	442	110	1463	987	0.447	440	0	0.5	0.8	6.657	A
	2	1179	295	901	1413	0.834	1168	1002	1.8	4.7	14.244	B
	3			1136				933				
	4	1465	366	0	2471	0.593	1463	1136	1.1	1.5	3.588	A

17:30 - 17:45

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1477				1034				
	2	1144	286	0	2560	0.447	1144	1477	0.8	0.8	2.592	A
	3	1556	389	1144	1927	0.807	1555	0	3.9	4.1	9.733	A
	4	1917	479	758	1756	1.091	1753	1941	50.3	91.3	151.466	F
2	1	442	110	1477	979	0.451	441	0	0.8	0.8	6.782	A
	2	1179	295	908	1409	0.837	1178	1011	4.7	4.9	15.623	C
	3			1144				942				
	4	1477	369	0	2471	0.598	1477	1144	1.5	1.5	3.640	A

17:45 - 18:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1432				1018				
	2	944	236	0	2560	0.369	945	1432	0.8	0.6	2.275	A
	3	1270	318	945	2079	0.611	1280	0	4.1	1.6	4.607	A
	4	1565	391	625	1845	0.848	1825	1600	91.3	26.3	119.148	F
2	1	360	90	1433	1005	0.359	361	0	0.8	0.6	5.681	A
	2	963	241	833	1455	0.662	974	961	4.9	2.0	7.767	A
	3			944				863				
	4	1432	358	0	2471	0.579	1433	944	1.5	1.4	3.488	A

18:00 - 18:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1129				799				
	2	786	197	0	2560	0.307	787	1129	0.6	0.5	2.070	A
	3	1064	266	787	2199	0.484	1066	0	1.6	1.0	3.217	A
	4	1311	328	521	1915	0.685	1407	1333	26.3	2.3	8.651	A
2	1	302	75	1131	1178	0.256	303	0	0.6	0.4	4.172	A
	2	806	202	670	1555	0.518	810	764	2.0	1.1	4.924	A
	3			786				694				
	4	1129	282	0	2471	0.457	1131	786	1.4	0.9	2.707	A

D15 - 2042 | Local Plan + Site 1 + Site 2 | AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	1, 2, 3, 4	78.09	F
2	untitled	Standard Roundabout	1, 2, 3, 4	133.00	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	102.83	F

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D15	2042	Local Plan + Site 1 + Site 2	AM	ONE HOUR	07:45	09:15	15	✓

Linked Arm Data

Junction	Arm	Feeding Junction	Feeding Arm	Link Type	Flow source	Uniform flow (PCU/hr)	Flow multiplier (%)	Internal storage space (PCU)
1	2	2	4	Queue limited	Normal	0	100.00	33.00
2	4	1	2	Queue limited	Normal	0	100.00	33.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	1					
	2	✓				
	3		ONE HOUR	✓	1116	100.000
	4		ONE HOUR	✓	1913	100.000
2	1		ONE HOUR	✓	301	100.000
	2		ONE HOUR	✓	1306	100.000
	3					
	4	✓				

Origin-Destination Data

Demand (PCU/hr)

Junction 2

From	To				
		1	2	3	4
	1	0	55	0	246
	2	0	0	625	681
	3	0	0	0	0
	4	0	684	928	0

Demand (PCU/hr)

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	177	0	0	750
	3	0	308	0	808
	4	585	1328	0	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

Junction 2

	To				
		1	2	3	4
From	1	0	1	0	1
	2	0	0	0	2
	3	0	0	0	0
	4	0	2	1	0

Heavy Vehicle %

Junction 1

	To				
		1	2	3	4
From	1	0	0	0	0
	2	2	0	0	2
	3	0	2	0	3
	4	2	1	0	0

Results

Results Summary for whole modelled period

Junction	Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	1						
	2	0.35	2.21	0.6	A	847	1270
	3	0.58	4.19	1.4	A	1024	1536
	4	1.10	157.81	104.4	F	1755	2633
2	1	0.38	6.78	0.6	A	276	414
	2	1.19	322.83	121.8	F	1198	1798
	3						
	4	0.68	4.56	2.1	A	1500	2250

Main Results for each time segment

07:45 - 08:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1224				569				
	2	692	173	0	2560	0.270	691	1224	0.0	0.4	1.962	A
	3	840	210	691	2272	0.370	838	0	0.0	0.6	2.574	A
	4	1440	360	363	2020	0.713	1430	1166	0.0	2.5	6.089	A
2	1	227	57	1220	1127	0.201	226	0	0.0	0.3	4.032	A
	2	983	246	887	1422	0.691	974	559	0.0	2.2	7.976	A
	3			692				1169				
	4	1224	306	0	2471	0.495	1220	692	0.0	1.0	2.908	A

08:00 - 08:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1460				678				
	2	823	206	0	2560	0.322	823	1460	0.4	0.5	2.113	A
	3	1003	251	823	2172	0.462	1002	0	0.6	0.9	3.159	A
	4	1720	430	434	1973	0.872	1705	1391	2.5	6.2	12.934	B
2	1	271	68	1458	990	0.273	270	0	0.3	0.4	5.049	A
	2	1174	294	1060	1316	0.892	1155	668	2.2	6.9	20.621	C
	3			823				1392				
	4	1460	365	0	2471	0.591	1458	823	1.0	1.5	3.597	A

08:15 - 08:30

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1658				753				
	2	899	225	0	2560	0.351	899	1658	0.5	0.6	2.210	A
	3	1229	307	899	2113	0.581	1227	0	0.9	1.4	4.159	A
	4	2106	527	510	1922	1.096	1901	1616	6.2	57.4	69.080	F
2	1	331	83	1656	876	0.378	330	0	0.4	0.6	6.654	A
	2	1438	359	1223	1216	1.183	1207	763	6.9	64.6	117.214	F
	3			899				1531				
	4	1658	415	0	2471	0.671	1656	899	1.5	2.0	4.464	A

08:30 - 08:45

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1671				759				
	2	901	225	0	2560	0.352	901	1671	0.6	0.6	2.213	A
	3	1229	307	901	2112	0.582	1229	0	1.4	1.4	4.187	A
	4	2106	527	511	1921	1.096	1918	1619	57.4	104.4	157.807	F
2	1	331	83	1671	868	0.382	331	0	0.6	0.6	6.778	A
	2	1438	359	1233	1210	1.188	1209	769	64.6	121.8	282.434	F
	3			901				1540				
	4	1671	418	0	2471	0.676	1671	901	2.0	2.1	4.557	A

08:45 - 09:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1629				762				
	2	871	218	0	2560	0.340	871	1629	0.6	0.5	2.174	A
	3	1003	251	871	2135	0.470	1005	0	1.4	0.9	3.280	A
	4	1720	430	444	1966	0.875	1947	1432	104.4	47.6	142.471	F
2	1	271	68	1630	891	0.304	271	0	0.6	0.4	5.873	A
	2	1174	294	1160	1255	0.936	1244	741	121.8	104.2	322.829	F
	3			871				1534				
	4	1629	407	0	2471	0.659	1630	871	2.1	2.0	4.341	A

09:00 - 09:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1356				666				
	2	894	224	0	2560	0.349	894	1356	0.5	0.5	2.203	A
	3	840	210	894	2117	0.397	841	0	0.9	0.7	2.899	A
	4	1440	360	403	1993	0.723	1620	1333	47.6	2.7	15.609	C
2	1	227	57	1359	1047	0.217	227	0	0.4	0.3	4.442	A
	2	983	246	968	1372	0.717	1359	618	104.2	10.3	156.125	F
	3			894				1433				
	4	1356	339	0	2471	0.549	1359	894	2.0	1.2	3.291	A

D16 - 2042 | Local Plan + Site 1 + Site 2 | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	1, 2, 3, 4	68.29	F
2	untitled	Standard Roundabout	1, 2, 3, 4	8.70	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	43.98	E

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D16	2042	Local Plan + Site 1 + Site 2	PM	ONE HOUR	16:45	18:15	15	✓

Linked Arm Data

Junction	Arm	Feeding Junction	Feeding Arm	Link Type	Flow source	Uniform flow (PCU/hr)	Flow multiplier (%)	Internal storage space (PCU)
1	2	2	4	Queue limited	Normal	0	100.00	33.00
2	4	1	2	Queue limited	Normal	0	100.00	33.00

Demand overview (Traffic)

Junction	Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1	1					
	2	✓				
	3		ONE HOUR	✓	1439	100.000
	4		ONE HOUR	✓	1739	100.000
2	1		ONE HOUR	✓	397	100.000
	2		ONE HOUR	✓	1081	100.000
	3					
	4	✓				

Origin-Destination Data

Junction 2

		Demand (PCU/hr)			
From	To	1	2	3	4
	1	0	112	0	285
	2	0	0	324	757
	3	0	0	0	0
	4	0	865	571	0

Demand (PCU/hr)

Junction 1

	To				
From		1	2	3	4
	1	0	0	0	0
	2	250	0	0	791
	3	0	449	0	990
	4	758	981	0	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

Junction 2

	To				
From		1	2	3	4
	1	0	1	0	1
	2	0	0	0	2
	3	0	0	0	0
	4	0	1	0	0

Heavy Vehicle %

Junction 1

	To				
From		1	2	3	4
	1	0	0	0	0
	2	2	0	0	2
	3	0	1	0	1
	4	2	1	0	0

Results

Results Summary for whole modelled period

Junction	Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1	1						
	2	0.45	2.60	0.8	A	955	1433
	3	0.82	10.58	4.5	B	1320	1981
	4	1.09	155.38	93.6	F	1596	2394
2	1	0.45	6.72	0.8	A	364	546
	2	0.84	16.11	5.1	C	992	1488
	3						
	4	0.60	3.65	1.5	A	1311	1967

Main Results for each time segment

16:45 - 17:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1071				754				
	2	781	195	0	2560	0.305	779	1071	0.0	0.4	2.059	A
	3	1083	271	779	2205	0.491	1079	0	0.0	1.0	3.220	A
	4	1309	327	524	1913	0.685	1301	1334	0.0	2.2	5.887	A
2	1	299	75	1067	1214	0.246	298	0	0.0	0.3	3.960	A
	2	814	203	638	1575	0.517	810	727	0.0	1.1	4.744	A
	3			781				667				
	4	1071	268	0	2471	0.433	1067	781	0.0	0.8	2.574	A

17:00 - 17:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1278				900				
	2	934	234	0	2560	0.365	934	1278	0.4	0.6	2.257	A
	3	1294	323	934	2087	0.620	1291	0	1.0	1.6	4.552	A
	4	1563	391	627	1844	0.848	1551	1598	2.2	5.2	11.999	B
2	1	357	89	1277	1094	0.326	356	0	0.3	0.5	4.924	A
	2	972	243	763	1498	0.649	969	870	1.1	1.8	6.859	A
	3			934				798				
	4	1278	319	0	2471	0.517	1277	934	0.8	1.1	3.028	A

17:15 - 17:30

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1467				1027				
	2	1138	284	0	2560	0.444	1137	1467	0.6	0.8	2.579	A
	3	1584	396	1137	1933	0.820	1574	0	1.6	4.3	9.838	A
	4	1915	479	764	1753	1.093	1730	1947	5.2	51.3	68.183	F
2	1	437	109	1465	986	0.444	436	0	0.5	0.8	6.600	A
	2	1190	298	896	1417	0.840	1178	1006	1.8	4.8	14.615	B
	3			1138				936				
	4	1467	367	0	2471	0.594	1465	1138	1.1	1.5	3.596	A

17:30 - 17:45

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1479				1036				
	2	1146	287	0	2560	0.448	1146	1479	0.8	0.8	2.596	A
	3	1584	396	1146	1926	0.823	1584	0	4.3	4.5	10.575	B
	4	1915	479	769	1749	1.095	1746	1961	51.3	93.6	155.381	F
2	1	437	109	1479	978	0.447	437	0	0.8	0.8	6.722	A
	2	1190	298	902	1413	0.842	1189	1014	4.8	5.1	16.113	C
	3			1146				944				
	4	1479	370	0	2471	0.598	1479	1146	1.5	1.5	3.647	A

17:45 - 18:00

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1433				1020				
	2	946	236	0	2560	0.369	947	1433	0.8	0.6	2.276	A
	3	1294	323	947	2077	0.623	1305	0	4.5	1.7	4.776	A
	4	1563	391	635	1839	0.850	1819	1617	93.6	29.6	124.784	F
2	1	357	89	1434	1004	0.356	358	0	0.8	0.6	5.639	A
	2	972	243	827	1459	0.666	984	965	5.1	2.1	7.875	A
	3			946				865				
	4	1433	358	0	2471	0.580	1434	946	1.5	1.4	3.490	A

18:00 - 18:15

Junction	Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	1			1139				808				
	2	788	197	0	2560	0.308	788	1139	0.6	0.5	2.074	A
	3	1083	271	788	2198	0.493	1086	0	1.7	1.0	3.278	A
	4	1309	327	528	1910	0.686	1419	1346	29.6	2.3	9.250	A
2	1	299	75	1141	1172	0.255	300	0	0.6	0.3	4.174	A
	2	814	203	669	1556	0.523	818	772	2.1	1.1	4.971	A
	3			788				699				
	4	1139	285	0	2471	0.461	1141	788	1.4	0.9	2.728	A

Junctions 11

PICADY 11 - Priority Intersection Module

Version: 11.1.1.2424
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Filename: Junction 9 - Camer Road_Norwood Lane.j11
Path: C:\Users\MatthewJohnson\Hub Transport Planning Ltd\Hub Transport Planning - General\Projects\T25512
Wrotham Road, Meopham\Modelling\Picady
Report generation date: 27/05/2026 10:39:19

- »D1 - 2032 | Reference Case | AM
- »D2 - 2032 | Reference Case | PM
- »D3 - 2032 | Reference Case + Site 1 | AM
- »D4 - 2032 | Reference Case + Site 1 | PM
- »D7 - 2032 | Reference Case + Site 1 + Site 2 | AM
- »D8 - 2032 | Reference Case + Site 1 + Site 2 | PM

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	2032 - Reference Case									
Stream B-AC	D1	0.0	6.58	0.03	A	D2	0.0	7.13	0.05	A
Stream C-AB		0.3	4.93	0.12	A		0.1	5.59	0.06	A
	2032 - Reference Case + Site 1									
Stream B-AC	D3	0.0	6.69	0.03	A	D4	0.0	7.18	0.05	A
Stream C-AB		0.3	4.92	0.12	A		0.1	5.45	0.06	A
	2032 - Reference Case + Site 1 + Site 2									
Stream B-AC	D7	0.0	6.71	0.03	A	D8	0.0	7.19	0.05	A
Stream C-AB		0.3	4.92	0.13	A		0.1	5.44	0.06	A

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

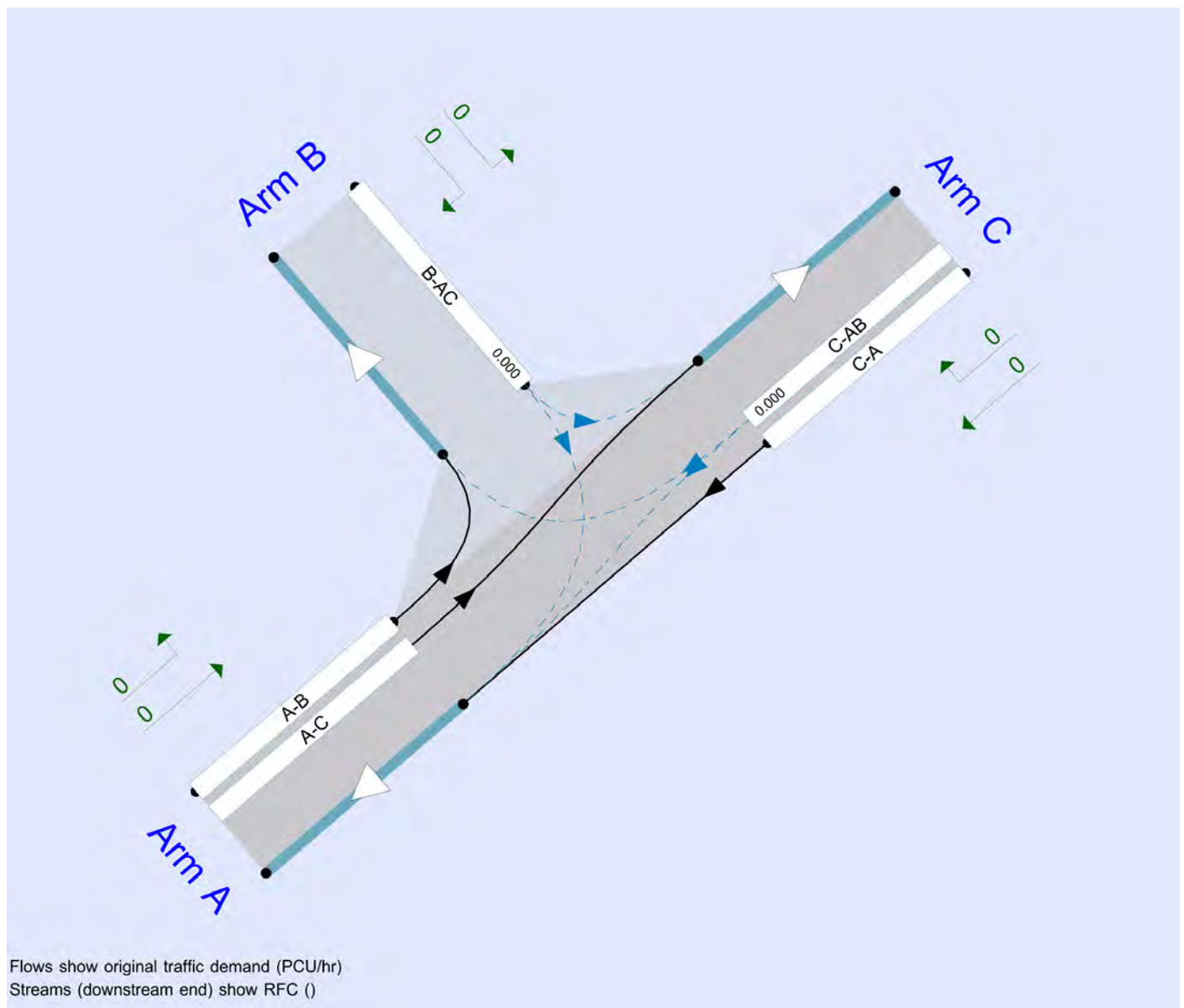
File summary

File Description

Title	
Location	Camer Road/Norwood Lane
Site number	10
Date	08/04/2026
Version	
Status	(new file)
Identifier	MJ
Client	Richborough
Jobnumber	T25512
Enumerator	AzureAD\MatthewJohnson
Description	

Units

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



The junction diagram reflects the last run of Junctions.

Analysis Options

PICADY short flare model	Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Show lane queues in feet / metres	Show all PICADY stream intercepts	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)	Use simulation for HCM roundabouts	Use iterations for HCM roundabouts
JUNCTIONS 11.1	5.75						0.85	36.00	20.00		

Demand Set Summary

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2032	Reference Case	AM	ONE HOUR	07:45	09:15	15	✓
D2	2032	Reference Case	PM	ONE HOUR	16:45	18:15	15	✓
D3	2032	Reference Case + Site 1	AM	ONE HOUR	07:45	09:15	15	✓
D4	2032	Reference Case + Site 1	PM	ONE HOUR	16:45	18:15	15	✓
D5	2032	Reference Case + Site 2	AM	ONE HOUR	07:45	09:15	15	✓
D6	2032	Reference Case + Site 2	PM	ONE HOUR	16:45	18:15	15	✓
D7	2032	Reference Case + Site 1 + Site 2	AM	ONE HOUR	07:45	09:15	15	✓
D8	2032	Reference Case + Site 1 + Site 2	PM	ONE HOUR	16:45	18:15	15	✓
D9	2042	Local Plan	AM	ONE HOUR	07:45	09:15	15	✓
D10	2042	Local Plan	PM	ONE HOUR	16:45	18:15	15	✓
D11	2042	Local Plan + Site 1	PM	ONE HOUR	16:45	18:15	15	✓
D12	2042	Local Plan + Site 1	AM	ONE HOUR	07:45	09:15	15	✓
D13	2042	Local Plan + Site 2	AM	ONE HOUR	07:45	09:15	15	✓
D14	2042	Local Plan + Site 2	PM	ONE HOUR	16:45	18:15	15	✓
D15	2042	Local Plan + Site 1 + Site 2	AM	ONE HOUR	07:45	09:15	15	✓
D16	2042	Local Plan + Site 1 + Site 2	PM	ONE HOUR	16:45	18:15	15	✓

Analysis Set Details

ID	Include in report	Use specific Demand Set(s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	✓	✓	D1,D2,D3,D4,D7,D8	100.000	100.000

D1 - 2032 | Reference Case | AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	0.76	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.76	A

Arms

Arms

Arm	Name	Description	Arm type
A	Camer Road W		Major
B	Norwood Lane		Minor
C	Camer Road E		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right-turn storage	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	6.85			123.6	✓	0.00

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

Minor Arm Geometry

Arm	Minor arm type	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B	One lane	3.34	21	16

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	509	0.087	0.221	0.139	0.316
B-C	655	0.099	0.250	-	-
C-B	646	0.241	0.241	-	-

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

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

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

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2032	Reference Case	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	239	100.000
B		ONE HOUR	✓	17	100.000
C		ONE HOUR	✓	451	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	6	233
	B	1	0	16
	C	404	47	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
		A	B	C
	A	0	1	2
	B	0	0	1
	C	4	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.03	6.58	0.0	A	16	23
C-AB	0.12	4.93	0.3	A	79	118
C-A					335	502
A-B					6	8
A-C					214	321

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	13	3	0.00	595	0.022	13	0.0	0.0	6.242	A
C-AB	57	14	0.00	805	0.071	56	0.0	0.1	4.912	A
C-A	283	71	0.00			283				
A-B	5	1	0.00			5				
A-C	175	44	0.00			175				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	15	4	0.00	585	0.026	15	0.0	0.0	6.378	A
C-AB	75	19	0.00	837	0.089	75	0.1	0.2	4.828	A
C-A	331	83	0.00			331				
A-B	5	1	0.00			5				
A-C	209	52	0.00			209				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	19	5	0.00	571	0.033	19	0.0	0.0	6.576	A
C-AB	105	26	0.00	883	0.119	104	0.2	0.3	4.737	A
C-A	392	98	0.00			392				
A-B	7	2	0.00			7				
A-C	257	64	0.00			257				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	19	5	0.00	571	0.033	19	0.0	0.0	6.577	A
C-AB	105	26	0.00	883	0.119	105	0.3	0.3	4.746	A
C-A	392	98	0.00			392				
A-B	7	2	0.00			7				
A-C	257	64	0.00			257				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	15	4	0.00	585	0.026	15	0.0	0.0	6.381	A
C-AB	75	19	0.00	838	0.090	75	0.3	0.2	4.843	A
C-A	330	83	0.00			330				
A-B	5	1	0.00			5				
A-C	209	52	0.00			209				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	13	3	0.00	595	0.022	13	0.0	0.0	6.246	A
C-AB	57	14	0.00	805	0.071	57	0.2	0.1	4.927	A
C-A	282	71	0.00			282				
A-B	5	1	0.00			5				
A-C	175	44	0.00			175				

D2 - 2032 | Reference Case | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	0.54	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.54	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	2032	Reference Case	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	402	100.000
B		ONE HOUR	✓	22	100.000
C		ONE HOUR	✓	250	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
From		A	B	C
	A	0	3	399
	B	1	0	21
	C	224	26	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

		To		
From		A	B	C
	A	0	8	4
	B	0	0	1
	C	2	3	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.05	7.13	0.0	A	20	30
C-AB	0.06	5.59	0.1	A	34	51
C-A					195	293
A-B					3	4
A-C					366	549

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	17	4	0.00	570	0.029	16	0.0	0.0	6.566	A
C-AB	26	6	0.00	688	0.038	26	0.0	0.1	5.587	A
C-A	162	41	0.00			162				
A-B	2	0.56	0.00			2				
A-C	300	75	0.00			300				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	20	5	0.00	555	0.036	20	0.0	0.0	6.793	A
C-AB	33	8	0.00	697	0.047	33	0.1	0.1	5.567	A
C-A	192	48	0.00			192				
A-B	3	0.67	0.00			3				
A-C	359	90	0.00			359				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	24	6	0.00	534	0.045	24	0.0	0.0	7.131	A
C-AB	44	11	0.00	712	0.062	44	0.1	0.1	5.534	A
C-A	231	58	0.00			231				
A-B	3	0.83	0.00			3				
A-C	439	110	0.00			439				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	24	6	0.00	534	0.045	24	0.0	0.0	7.131	A
C-AB	44	11	0.00	712	0.062	44	0.1	0.1	5.534	A
C-A	231	58	0.00			231				
A-B	3	0.83	0.00			3				
A-C	439	110	0.00			439				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	20	5	0.00	555	0.036	20	0.0	0.0	6.797	A
C-AB	33	8	0.00	697	0.047	33	0.1	0.1	5.567	A
C-A	192	48	0.00			192				
A-B	3	0.67	0.00			3				
A-C	359	90	0.00			359				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	17	4	0.00	570	0.029	17	0.0	0.0	6.570	A
C-AB	26	7	0.00	688	0.038	26	0.1	0.1	5.590	A
C-A	162	41	0.00			162				
A-B	2	0.56	0.00			2				
A-C	300	75	0.00			300				

D3 - 2032 | Reference Case + Site 1 | AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	0.73	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.73	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	2032	Reference Case + Site 1	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	271	100.000
B		ONE HOUR	✓	17	100.000
C		ONE HOUR	✓	468	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
From		A	B	C
	A	0	6	265
	B	1	0	16
	C	421	47	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

		To		
From		A	B	C
	A	0	1	2
	B	0	0	1
	C	4	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.03	6.69	0.0	A	16	23
C-AB	0.12	4.92	0.3	A	81	122
C-A					348	522
A-B					6	8
A-C					243	365

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	13	3	0.00	589	0.022	13	0.0	0.0	6.310	A
C-AB	58	15	0.00	808	0.072	58	0.0	0.1	4.898	A
C-A	294	74	0.00			294				
A-B	5	1	0.00			5				
A-C	200	50	0.00			200				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	15	4	0.00	577	0.026	15	0.0	0.0	6.462	A
C-AB	77	19	0.00	842	0.091	77	0.1	0.2	4.814	A
C-A	344	86	0.00			344				
A-B	5	1	0.00			5				
A-C	238	60	0.00			238				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	19	5	0.00	562	0.033	19	0.0	0.0	6.688	A
C-AB	109	27	0.00	890	0.122	108	0.2	0.3	4.724	A
C-A	407	102	0.00			407				
A-B	7	2	0.00			7				
A-C	292	73	0.00			292				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	19	5	0.00	562	0.033	19	0.0	0.0	6.688	A
C-AB	109	27	0.00	890	0.122	109	0.3	0.3	4.733	A
C-A	407	102	0.00			407				
A-B	7	2	0.00			7				
A-C	292	73	0.00			292				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	15	4	0.00	577	0.026	15	0.0	0.0	6.463	A
C-AB	77	19	0.00	842	0.092	78	0.3	0.2	4.831	A
C-A	344	86	0.00			344				
A-B	5	1	0.00			5				
A-C	238	60	0.00			238				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	13	3	0.00	589	0.022	13	0.0	0.0	6.313	A
C-AB	58	15	0.00	809	0.072	59	0.2	0.1	4.915	A
C-A	294	73	0.00			294				
A-B	5	1	0.00			5				
A-C	200	50	0.00			200				

D4 - 2032 | Reference Case + Site 1 | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	0.49	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.49	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	2032	Reference Case + Site 1	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	414	100.000
B		ONE HOUR	✓	22	100.000
C		ONE HOUR	✓	280	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	3	411
	B	1	0	21
	C	257	23	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
From		A	B	C
	A	0	6	4
	B	0	0	1
	C	2	3	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.05	7.18	0.0	A	20	30
C-AB	0.06	5.45	0.1	A	32	48
C-A					225	337
A-B					3	4
A-C					377	566

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	17	4	0.00	567	0.029	16	0.0	0.0	6.596	A
C-AB	24	6	0.00	703	0.034	24	0.0	0.0	5.445	A
C-A	187	47	0.00			187				
A-B	2	0.56	0.00			2				
A-C	309	77	0.00			309				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	20	5	0.00	552	0.036	20	0.0	0.0	6.832	A
C-AB	31	8	0.00	716	0.043	31	0.0	0.1	5.398	A
C-A	221	55	0.00			221				
A-B	3	0.67	0.00			3				
A-C	369	92	0.00			369				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	24	6	0.00	530	0.046	24	0.0	0.0	7.183	A
C-AB	41	10	0.00	735	0.056	41	0.1	0.1	5.329	A
C-A	267	67	0.00			267				
A-B	3	0.83	0.00			3				
A-C	453	113	0.00			453				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	24	6	0.00	530	0.046	24	0.0	0.0	7.183	A
C-AB	41	10	0.00	735	0.056	41	0.1	0.1	5.329	A
C-A	267	67	0.00			267				
A-B	3	0.83	0.00			3				
A-C	453	113	0.00			453				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	20	5	0.00	552	0.036	20	0.0	0.0	6.835	A
C-AB	31	8	0.00	716	0.043	31	0.1	0.1	5.395	A
C-A	221	55	0.00			221				
A-B	3	0.67	0.00			3				
A-C	369	92	0.00			369				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	17	4	0.00	567	0.029	17	0.0	0.0	6.599	A
C-AB	24	6	0.00	703	0.034	24	0.1	0.0	5.450	A
C-A	187	47	0.00			187				
A-B	2	0.56	0.00			2				
A-C	309	77	0.00			309				

D7 - 2032 | Reference Case + Site 1 + Site 2 | AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	0.73	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.73	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D7	2032	Reference Case + Site 1 + Site 2	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	277	100.000
B		ONE HOUR	✓	17	100.000
C		ONE HOUR	✓	471	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
From		A	B	C
	A	0	6	271
	B	1	0	16
	C	423	48	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

		To		
From		A	B	C
	A	0	1	2
	B	0	0	1
	C	4	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.03	6.71	0.0	A	16	23
C-AB	0.13	4.92	0.3	A	83	125
C-A					349	523
A-B					6	8
A-C					249	373

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	13	3	0.00	587	0.022	13	0.0	0.0	6.323	A
C-AB	60	15	0.00	808	0.074	59	0.0	0.1	4.907	A
C-A	295	74	0.00			295				
A-B	5	1	0.00			5				
A-C	204	51	0.00			204				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	15	4	0.00	576	0.027	15	0.0	0.0	6.479	A
C-AB	79	20	0.00	842	0.094	79	0.1	0.2	4.823	A
C-A	344	86	0.00			344				
A-B	5	1	0.00			5				
A-C	244	61	0.00			244				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	19	5	0.00	560	0.033	19	0.0	0.0	6.709	A
C-AB	111	28	0.00	890	0.125	111	0.2	0.3	4.738	A
C-A	407	102	0.00			407				
A-B	7	2	0.00			7				
A-C	298	75	0.00			298				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	19	5	0.00	560	0.033	19	0.0	0.0	6.709	A
C-AB	112	28	0.00	890	0.125	112	0.3	0.3	4.749	A
C-A	407	102	0.00			407				
A-B	7	2	0.00			7				
A-C	298	75	0.00			298				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	15	4	0.00	576	0.027	15	0.0	0.0	6.482	A
C-AB	79	20	0.00	843	0.094	80	0.3	0.2	4.843	A
C-A	344	86	0.00			344				
A-B	5	1	0.00			5				
A-C	244	61	0.00			244				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	13	3	0.00	587	0.022	13	0.0	0.0	6.326	A
C-AB	60	15	0.00	809	0.074	60	0.2	0.1	4.924	A
C-A	295	74	0.00			295				
A-B	5	1	0.00			5				
A-C	204	51	0.00			204				

D8 - 2032 | Reference Case + Site 1 + Site 2 | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	0.48	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.48	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D8	2032	Reference Case + Site 1 + Site 2	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	416	100.000
B		ONE HOUR	✓	22	100.000
C		ONE HOUR	✓	284	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
From		A	B	C
	A	0	3	413
	B	1	0	21
	C	261	23	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

		To		
From		A	B	C
	A	0	6	4
	B	0	0	1
	C	2	3	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.05	7.19	0.0	A	20	30
C-AB	0.06	5.44	0.1	A	32	48
C-A					228	343
A-B					3	4
A-C					379	568

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	17	4	0.00	567	0.029	16	0.0	0.0	6.601	A
C-AB	24	6	0.00	704	0.034	24	0.0	0.0	5.432	A
C-A	190	47	0.00			190				
A-B	2	0.56	0.00			2				
A-C	311	78	0.00			311				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	20	5	0.00	551	0.036	20	0.0	0.0	6.838	A
C-AB	31	8	0.00	718	0.043	31	0.0	0.1	5.383	A
C-A	225	56	0.00			225				
A-B	3	0.67	0.00			3				
A-C	371	93	0.00			371				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	24	6	0.00	529	0.046	24	0.0	0.0	7.192	A
C-AB	42	10	0.00	737	0.056	41	0.1	0.1	5.313	A
C-A	271	68	0.00			271				
A-B	3	0.83	0.00			3				
A-C	455	114	0.00			455				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	24	6	0.00	529	0.046	24	0.0	0.0	7.192	A
C-AB	42	10	0.00	737	0.056	42	0.1	0.1	5.311	A
C-A	271	68	0.00			271				
A-B	3	0.83	0.00			3				
A-C	455	114	0.00			455				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	20	5	0.00	551	0.036	20	0.0	0.0	6.842	A
C-AB	31	8	0.00	718	0.043	31	0.1	0.1	5.380	A
C-A	224	56	0.00			224				
A-B	3	0.67	0.00			3				
A-C	371	93	0.00			371				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	17	4	0.00	567	0.029	17	0.0	0.0	6.604	A
C-AB	24	6	0.00	704	0.034	24	0.1	0.0	5.437	A
C-A	190	47	0.00			190				
A-B	2	0.56	0.00			2				
A-C	311	78	0.00			311				

Junctions 11

PICADY 11 - Priority Intersection Module

Version: 11.1.1.2424
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Filename: Junction 10 - Sole Street_The Street.j11

Path: C:\Users\MatthewJohnson\Hub Transport Planning Ltd\Hub Transport Planning - General\Projects\T25512
Wrotham Road, Meopham\Modelling\Picady

Report generation date: 27/05/2026 10:46:40

»D1 - 2032 | Reference Case | AM
»D2 - 2032 | Reference Case | PM
»D3 - 2032 | Reference Case + Site 1 | AM
»D4 - 2032 | Reference Case + Site 1 | PM
»D7 - 2032 | Reference Case + Site 1 + Site 2 | AM
»D8 - 2032 | Reference Case + Site 1 + Site 2 | PM
»D9 - 2042 | Local Plan | AM
»D10 - 2042 | Local Plan | PM
»D11 - 2042 | Local Plan + Site 1 | AM
»D12 - 2042 | Local Plan + Site 1 | PM
»D15 - 2042 | Local Plan + Site 1 + Site 2 | AM
»D16 - 2042 | Local Plan + Site 1 + Site 2 | PM

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	2032 - Reference Case									
Stream B-C	D1	0.7	10.62	0.41	B	D2	0.8	13.40	0.44	B
Stream B-A		0.9	19.16	0.47	C		1.9	28.96	0.65	D
Stream C-AB		1.5	15.43	0.60	C		1.6	15.58	0.62	C
	2032 - Reference Case + Site 1									
Stream B-C	D3	0.8	11.75	0.45	B	D4	0.8	13.75	0.44	B
Stream B-A		1.1	21.71	0.52	C		2.0	31.20	0.67	D
Stream C-AB		1.7	16.50	0.63	C		1.9	17.52	0.66	C
	2032 - Reference Case + Site 1 + Site 2									
Stream B-C	D7	0.8	12.01	0.46	B	D8	0.9	14.85	0.48	B
Stream B-A		1.1	22.32	0.54	C		2.2	33.36	0.69	D
Stream C-AB		1.8	16.75	0.63	C		2.0	18.09	0.67	C
	2042 - Local Plan									
Stream B-C	D9	4.0	41.84	0.82	E	D10	4.4	61.83	0.86	F
Stream B-A		4.1	65.48	0.84	F		6.2	91.32	0.90	F
Stream C-AB		2.7	22.85	0.74	C		7.0	49.48	0.90	E
	2042 - Local Plan + Site 1									
Stream B-C	D11	8.7	85.63	0.96	F	D12	8.3	106.64	0.98	F
Stream B-A		7.3	105.20	0.94	F		8.5	117.86	0.95	F
Stream C-AB		3.0	24.43	0.75	C		7.8	54.00	0.91	F
	2042 - Local Plan + Site 1 + Site 2									
Stream B-C	D15	9.6	93.45	0.97	F	D16	8.1	105.91	0.98	F
Stream B-A		7.9	112.72	0.95	F		8.3	116.12	0.95	F
Stream C-AB		3.0	24.73	0.76	C		8.4	57.84	0.92	F

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

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

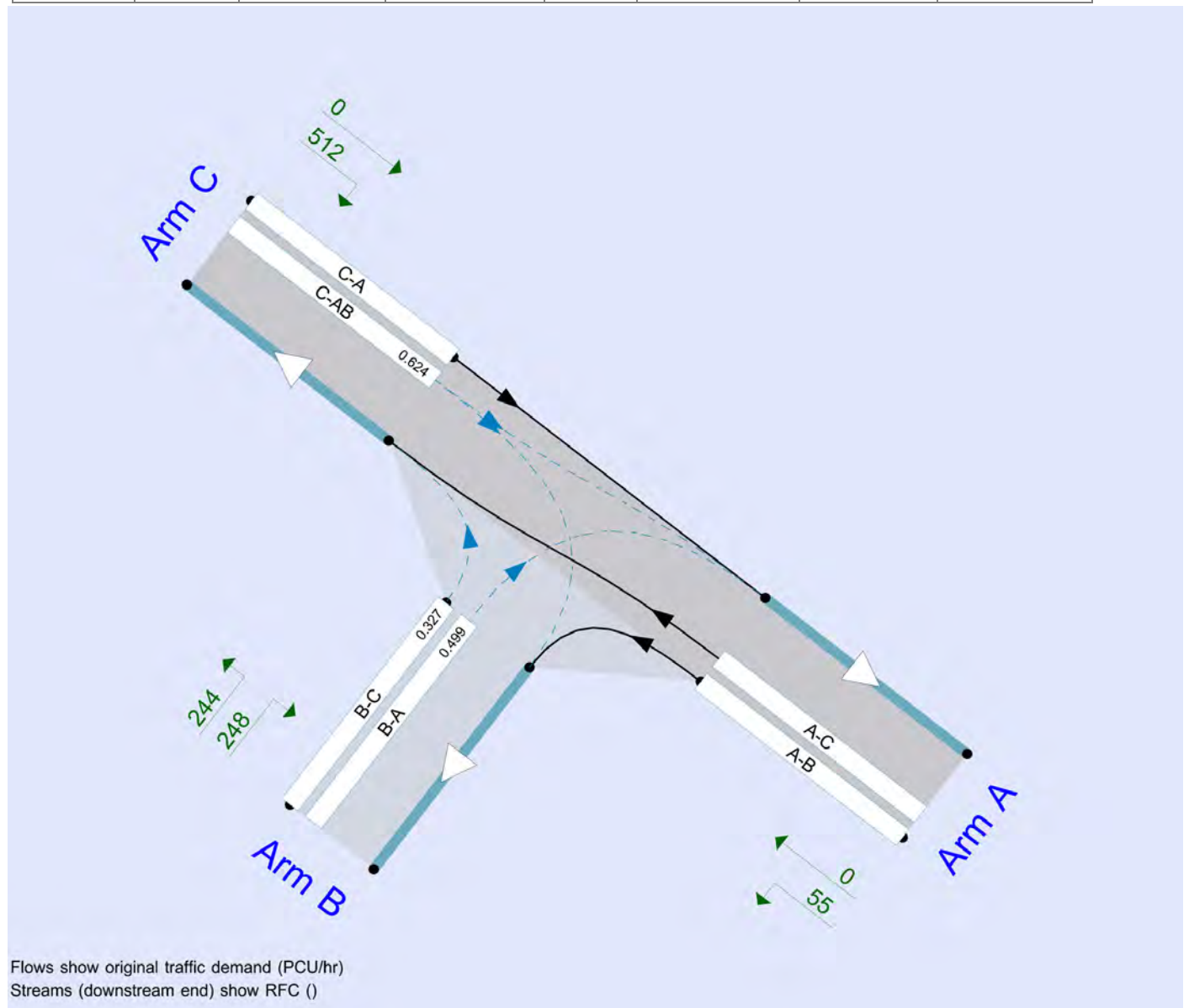
File summary

File Description

Title	
Location	Sole Street/The Street
Site number	11
Date	08/04/2026
Version	
Status	(new file)
Identifier	MJ
Client	Richborough
Jobnumber	T25512
Enumerator	AzureAD\MatthewJohnson
Description	

Units

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



The junction diagram reflects the last run of Junctions.

Analysis Options

PICADY short flare model	Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Show lane queues in feet / metres	Show all PICADY stream intercepts	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)	Use simulation for HCM roundabouts	Use iterations for HCM roundabouts
PICADY 4.1	5.75						0.85	36.00	20.00		

Demand Set Summary

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2032	Reference Case	AM	ONE HOUR	07:45	09:15	15	✓
D2	2032	Reference Case	PM	ONE HOUR	16:45	18:15	15	✓
D3	2032	Reference Case + Site 1	AM	ONE HOUR	07:45	09:15	15	✓
D4	2032	Reference Case + Site 1	PM	ONE HOUR	16:45	18:15	15	✓
D5	2032	Reference Case + Site 2	AM	ONE HOUR	07:45	09:15	15	✓
D6	2032	Reference Case + Site 2	PM	ONE HOUR	16:45	18:15	15	✓
D7	2032	Reference Case + Site 1 + Site 2	AM	ONE HOUR	07:45	09:15	15	✓
D8	2032	Reference Case + Site 1 + Site 2	PM	ONE HOUR	16:45	18:15	15	✓
D9	2042	Local Plan	AM	ONE HOUR	07:45	09:15	15	✓
D10	2042	Local Plan	PM	ONE HOUR	16:45	18:15	15	✓
D11	2042	Local Plan + Site 1	AM	ONE HOUR	07:45	09:15	15	✓
D12	2042	Local Plan + Site 1	PM	ONE HOUR	16:45	18:15	15	✓
D13	2042	Local Plan + Site 2	AM	ONE HOUR	07:45	09:15	15	✓
D14	2042	Local Plan + Site 2	PM	ONE HOUR	16:45	18:15	15	✓
D15	2042	Local Plan + Site 1 + Site 2	AM	ONE HOUR	07:45	09:15	15	✓
D16	2042	Local Plan + Site 1 + Site 2	PM	ONE HOUR	16:45	18:15	15	✓

Analysis Set Details

ID	Include in report	Use specific Demand Set(s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	✓	✓	D1,D2,D3,D4,D7,D8,D9,D10,D11,D12,D15,D16	100.000	100.000

D1 - 2032 | Reference Case | AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Major arm width	Arm C - Major arm geometry	For two-way major roads, please interpret results with caution if the total major carriageway width is less than 6m.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	13.49	B

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	13.49	B

Arms

Arms

Arm	Name	Description	Arm type
A	The Street		Major
B	Sole Street		Minor
C	Jeskyns Road		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right-turn storage	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	5.85			93.4	✓	0.00

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

Minor Arm Geometry

Arm	Minor arm type	Width at give-way (m)	Width at 5m (m)	Width at 10m (m)	Width at 15m (m)	Width at 20m (m)	Estimate flare length	Flare length (PCU)	Visibility to left (m)	Visibility to right (m)
B	One lane plus flare	10.00	6.10	5.10	4.60	4.30	✓	3.00	16	31

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	493	0.091	0.230	0.145	0.328
B-C	679	0.104	0.263	-	-
C-B	628	0.245	0.245	-	-

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

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

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

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2032	Reference Case	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	67	100.000
B		ONE HOUR	✓	369	100.000
C		ONE HOUR	✓	334	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	67	0
	B	154	0	215
From	C	0	334	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
		A	B	C
	A	0	5	0
	B	2	0	2
From	C	0	4	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.41	10.62	0.7	B	197	296
B-A	0.47	19.16	0.9	C	141	212
C-AB	0.60	15.43	1.5	C	306	460
C-A					0	0
A-B					61	92
A-C					0	0

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	162	40	0.00	625	0.259	160	0.0	0.4	7.884	A
B-A	116	29	0.00	405	0.286	114	0.0	0.4	12.547	B
C-AB	251	63	0.00	616	0.408	249	0.0	0.7	10.125	B
C-A	0	0	0.00			0				
A-B	50	13	0.00			50				
A-C	0	0	0.00			0				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	193	48	0.00	609	0.317	193	0.4	0.5	8.804	A
B-A	138	35	0.00	387	0.358	138	0.4	0.6	14.685	B
C-AB	300	75	0.00	613	0.490	299	0.7	1.0	11.875	B
C-A	0	0	0.00			0				
A-B	60	15	0.00			60				
A-C	0	0	0.00			0				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	237	59	0.00	583	0.406	236	0.5	0.7	10.536	B
B-A	170	42	0.00	362	0.469	168	0.6	0.9	18.871	C
C-AB	368	92	0.00	610	0.603	366	1.0	1.5	15.176	C
C-A	0	0	0.00			0				
A-B	74	18	0.00			74				
A-C	0	0	0.00			0				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	237	59	0.00	582	0.407	237	0.7	0.7	10.625	B
B-A	170	42	0.00	361	0.470	169	0.9	0.9	19.162	C
C-AB	368	92	0.00	610	0.603	368	1.5	1.5	15.428	C
C-A	0	0	0.00			0				
A-B	74	18	0.00			74				
A-C	0	0	0.00			0				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	193	48	0.00	608	0.318	194	0.7	0.5	8.893	A
B-A	138	35	0.00	386	0.358	140	0.9	0.6	14.960	B
C-AB	300	75	0.00	613	0.490	302	1.5	1.0	12.123	B
C-A	0	0	0.00			0				
A-B	60	15	0.00			60				
A-C	0	0	0.00			0				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	162	40	0.00	623	0.260	162	0.5	0.4	7.975	A
B-A	116	29	0.00	404	0.287	117	0.6	0.4	12.788	B
C-AB	251	63	0.00	616	0.408	253	1.0	0.7	10.346	B
C-A	0	0	0.00			0				
A-B	50	13	0.00			50				
A-C	0	0	0.00			0				

D2 - 2032 | Reference Case | PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Major arm width	Arm C - Major arm geometry	For two-way major roads, please interpret results with caution if the total major carriageway width is less than 6m.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	17.84	C

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	17.84	C

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	2032	Reference Case	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	44	100.000
B		ONE HOUR	✓	421	100.000
C		ONE HOUR	✓	346	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	44	0
	B	221	0	200
	C	0	346	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
		A	B	C
	A	0	2	0
	B	5	0	3
	C	0	2	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.44	13.40	0.8	B	184	275
B-A	0.65	28.96	1.9	D	203	304
C-AB	0.62	15.58	1.6	C	317	476
C-A					0	0
A-B					40	61
A-C					0	0

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	151	38	0.00	581	0.259	149	0.0	0.4	8.561	A
B-A	166	42	0.00	421	0.395	164	0.0	0.7	14.533	B
C-AB	260	65	0.00	620	0.420	258	0.0	0.7	10.057	B
C-A	0	0	0.00			0				
A-B	33	8	0.00			33				
A-C	0	0	0.00			0				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	180	45	0.00	556	0.324	179	0.4	0.5	9.839	A
B-A	199	50	0.00	402	0.495	197	0.7	1.0	18.378	C
C-AB	311	78	0.00	618	0.503	310	0.7	1.0	11.859	B
C-A	0	0	0.00			0				
A-B	40	10	0.00			40				
A-C	0	0	0.00			0				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	220	55	0.00	501	0.439	219	0.5	0.8	13.073	B
B-A	243	61	0.00	373	0.652	240	1.0	1.8	27.636	D
C-AB	381	95	0.00	616	0.618	379	1.0	1.6	15.301	C
C-A	0	0	0.00			0				
A-B	48	12	0.00			48				
A-C	0	0	0.00			0				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	220	55	0.00	497	0.443	220	0.8	0.8	13.402	B
B-A	243	61	0.00	373	0.653	243	1.8	1.9	28.963	D
C-AB	381	95	0.00	616	0.618	381	1.6	1.6	15.577	C
C-A	0	0	0.00			0				
A-B	48	12	0.00			48				
A-C	0	0	0.00			0				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	180	45	0.00	551	0.326	181	0.8	0.5	10.045	B
B-A	199	50	0.00	401	0.496	202	1.9	1.1	19.296	C
C-AB	311	78	0.00	618	0.503	313	1.6	1.1	12.122	B
C-A	0	0	0.00			0				
A-B	40	10	0.00			40				
A-C	0	0	0.00			0				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	151	38	0.00	578	0.261	151	0.5	0.4	8.702	A
B-A	166	42	0.00	420	0.396	168	1.1	0.7	15.062	C
C-AB	260	65	0.00	620	0.420	262	1.1	0.8	10.287	B
C-A	0	0	0.00			0				
A-B	33	8	0.00			33				
A-C	0	0	0.00			0				

D3 - 2032 | Reference Case + Site 1 | AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Major arm width	Arm C - Major arm geometry	For two-way major roads, please interpret results with caution if the total major carriageway width is less than 6m.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	14.85	B

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	14.85	B

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	2032	Reference Case + Site 1	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	69	100.000
B		ONE HOUR	✓	399	100.000
C		ONE HOUR	✓	348	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	69	0
	B	169	0	230
	C	0	348	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
		A	B	C
	A	0	4	0
	B	2	0	2
	C	0	4	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.45	11.75	0.8	B	211	317
B-A	0.52	21.71	1.1	C	155	233
C-AB	0.63	16.50	1.7	C	319	479
C-A					0	0
A-B					63	95
A-C					0	0

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	173	43	0.00	618	0.280	172	0.0	0.4	8.202	A
B-A	127	32	0.00	403	0.316	125	0.0	0.5	13.158	B
C-AB	262	65	0.00	615	0.426	259	0.0	0.8	10.421	B
C-A	0	0	0.00			0				
A-B	52	13	0.00			52				
A-C	0	0	0.00			0				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	207	52	0.00	600	0.345	206	0.4	0.5	9.315	A
B-A	152	38	0.00	383	0.396	151	0.5	0.7	15.762	C
C-AB	313	78	0.00	613	0.510	312	0.8	1.1	12.376	B
C-A	0	0	0.00			0				
A-B	62	16	0.00			62				
A-C	0	0	0.00			0				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	253	63	0.00	568	0.446	252	0.5	0.8	11.599	B
B-A	186	47	0.00	356	0.523	184	0.7	1.1	21.233	C
C-AB	383	96	0.00	609	0.629	381	1.1	1.7	16.178	C
C-A	0	0	0.00			0				
A-B	76	19	0.00			76				
A-C	0	0	0.00			0				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	253	63	0.00	566	0.448	253	0.8	0.8	11.747	B
B-A	186	47	0.00	355	0.524	186	1.1	1.1	21.711	C
C-AB	383	96	0.00	609	0.629	383	1.7	1.7	16.504	C
C-A	0	0	0.00			0				
A-B	76	19	0.00			76				
A-C	0	0	0.00			0				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	207	52	0.00	598	0.346	208	0.8	0.5	9.444	A
B-A	152	38	0.00	382	0.397	154	1.1	0.7	16.166	C
C-AB	313	78	0.00	613	0.510	315	1.7	1.1	12.684	B
C-A	0	0	0.00			0				
A-B	62	16	0.00			62				
A-C	0	0	0.00			0				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	173	43	0.00	616	0.281	174	0.5	0.4	8.318	A
B-A	127	32	0.00	402	0.317	128	0.7	0.5	13.469	B
C-AB	262	65	0.00	615	0.426	263	1.1	0.8	10.677	B
C-A	0	0	0.00			0				
A-B	52	13	0.00			52				
A-C	0	0	0.00			0				

D4 - 2032 | Reference Case + Site 1 | PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Major arm width	Arm C - Major arm geometry	For two-way major roads, please interpret results with caution if the total major carriageway width is less than 6m.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	19.27	C

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	19.27	C

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	2032	Reference Case + Site 1	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	48	100.000
B		ONE HOUR	✓	418	100.000
C		ONE HOUR	✓	369	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	48	0
	B	222	0	196
	C	0	369	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
		A	B	C
	A	0	1	0
	B	5	0	3
	C	0	2	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.44	13.75	0.8	B	180	270
B-A	0.67	31.20	2.0	D	204	306
C-AB	0.66	17.52	1.9	C	339	508
C-A					0	0
A-B					44	66
A-C					0	0

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	148	37	0.00	578	0.255	146	0.0	0.3	8.564	A
B-A	167	42	0.00	416	0.402	164	0.0	0.7	14.866	B
C-AB	278	69	0.00	619	0.449	275	0.0	0.8	10.559	B
C-A	0	0	0.00			0				
A-B	36	9	0.00			36				
A-C	0	0	0.00			0				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	176	44	0.00	551	0.320	176	0.3	0.5	9.866	A
B-A	200	50	0.00	395	0.505	198	0.7	1.0	19.051	C
C-AB	332	83	0.00	617	0.537	330	0.8	1.2	12.726	B
C-A	0	0	0.00			0				
A-B	43	11	0.00			43				
A-C	0	0	0.00			0				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	216	54	0.00	491	0.439	215	0.5	0.8	13.344	B
B-A	244	61	0.00	365	0.669	241	1.0	1.9	29.506	D
C-AB	406	102	0.00	615	0.661	403	1.2	1.9	17.093	C
C-A	0	0	0.00			0				
A-B	53	13	0.00			53				
A-C	0	0	0.00			0				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	216	54	0.00	485	0.445	216	0.8	0.8	13.747	B
B-A	244	61	0.00	364	0.671	244	1.9	2.0	31.197	D
C-AB	406	102	0.00	615	0.661	406	1.9	1.9	17.524	C
C-A	0	0	0.00			0				
A-B	53	13	0.00			53				
A-C	0	0	0.00			0				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	176	44	0.00	546	0.323	177	0.8	0.5	10.098	B
B-A	200	50	0.00	394	0.506	203	2.0	1.1	20.161	C
C-AB	332	83	0.00	617	0.537	335	1.9	1.2	13.109	B
C-A	0	0	0.00			0				
A-B	43	11	0.00			43				
A-C	0	0	0.00			0				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	148	37	0.00	575	0.257	148	0.5	0.4	8.706	A
B-A	167	42	0.00	415	0.403	169	1.1	0.7	15.453	C
C-AB	278	69	0.00	619	0.449	279	1.2	0.8	10.849	B
C-A	0	0	0.00			0				
A-B	36	9	0.00			36				
A-C	0	0	0.00			0				

D7 - 2032 | Reference Case + Site 1 + Site 2 | AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Major arm width	Arm C - Major arm geometry	For two-way major roads, please interpret results with caution if the total major carriageway width is less than 6m.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	15.17	C

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	15.17	C

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D7	2032	Reference Case + Site 1 + Site 2	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	69	100.000
B		ONE HOUR	✓	405	100.000
C		ONE HOUR	✓	351	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	69	0
	B	172	0	233
	C	0	351	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
		A	B	C
	A	0	4	0
	B	2	0	2
	C	0	4	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.46	12.01	0.8	B	214	321
B-A	0.54	22.32	1.1	C	158	237
C-AB	0.63	16.75	1.8	C	322	483
C-A					0	0
A-B					63	95
A-C					0	0

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	175	44	0.00	616	0.285	174	0.0	0.4	8.268	A
B-A	129	32	0.00	402	0.322	128	0.0	0.5	13.291	B
C-AB	264	66	0.00	615	0.429	261	0.0	0.8	10.484	B
C-A	0	0	0.00			0				
A-B	52	13	0.00			52				
A-C	0	0	0.00			0				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	209	52	0.00	598	0.350	209	0.4	0.5	9.425	A
B-A	155	39	0.00	382	0.404	154	0.5	0.7	16.000	C
C-AB	316	79	0.00	613	0.515	314	0.8	1.1	12.486	B
C-A	0	0	0.00			0				
A-B	62	16	0.00			62				
A-C	0	0	0.00			0				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	257	64	0.00	564	0.455	255	0.5	0.8	11.850	B
B-A	189	47	0.00	354	0.535	188	0.7	1.1	21.788	C
C-AB	386	97	0.00	609	0.634	384	1.1	1.7	16.401	C
C-A	0	0	0.00			0				
A-B	76	19	0.00			76				
A-C	0	0	0.00			0				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	257	64	0.00	562	0.456	256	0.8	0.8	12.012	B
B-A	189	47	0.00	353	0.536	189	1.1	1.1	22.321	C
C-AB	386	97	0.00	609	0.634	386	1.7	1.8	16.747	C
C-A	0	0	0.00			0				
A-B	76	19	0.00			76				
A-C	0	0	0.00			0				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	209	52	0.00	596	0.352	211	0.8	0.6	9.565	A
B-A	155	39	0.00	381	0.405	156	1.1	0.7	16.439	C
C-AB	316	79	0.00	613	0.515	318	1.8	1.1	12.807	B
C-A	0	0	0.00			0				
A-B	62	16	0.00			62				
A-C	0	0	0.00			0				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	175	44	0.00	614	0.286	176	0.6	0.4	8.388	A
B-A	129	32	0.00	401	0.323	130	0.7	0.5	13.617	B
C-AB	264	66	0.00	615	0.429	266	1.1	0.8	10.748	B
C-A	0	0	0.00			0				
A-B	52	13	0.00			52				
A-C	0	0	0.00			0				

D8 - 2032 | Reference Case + Site 1 + Site 2 | PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Major arm width	Arm C - Major arm geometry	For two-way major roads, please interpret results with caution if the total major carriageway width is less than 6m.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	20.27	C

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	20.27	C

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D8	2032	Reference Case + Site 1 + Site 2	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	48	100.000
B		ONE HOUR	✓	434	100.000
C		ONE HOUR	✓	375	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	48	0
	B	224	0	210
	C	0	375	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
		A	B	C
	A	0	1	0
	B	5	0	3
	C	0	2	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.48	14.85	0.9	B	193	289
B-A	0.69	33.36	2.2	D	206	308
C-AB	0.67	18.09	2.0	C	344	516
C-A					0	0
A-B					44	66
A-C					0	0

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	158	40	0.00	580	0.273	157	0.0	0.4	8.734	A
B-A	169	42	0.00	412	0.409	166	0.0	0.7	15.188	C
C-AB	282	71	0.00	619	0.456	279	0.0	0.8	10.692	B
C-A	0	0	0.00			0				
A-B	36	9	0.00			36				
A-C	0	0	0.00			0				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	189	47	0.00	551	0.342	188	0.4	0.5	10.192	B
B-A	201	50	0.00	391	0.516	200	0.7	1.1	19.660	C
C-AB	337	84	0.00	617	0.546	336	0.8	1.2	12.960	B
C-A	0	0	0.00			0				
A-B	43	11	0.00			43				
A-C	0	0	0.00			0				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	231	58	0.00	487	0.475	230	0.5	0.9	14.309	B
B-A	247	62	0.00	359	0.686	243	1.1	2.1	31.273	D
C-AB	413	103	0.00	615	0.671	410	1.2	2.0	17.604	C
C-A	0	0	0.00			0				
A-B	53	13	0.00			53				
A-C	0	0	0.00			0				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	231	58	0.00	480	0.481	231	0.9	0.9	14.848	B
B-A	247	62	0.00	358	0.688	246	2.1	2.2	33.357	D
C-AB	413	103	0.00	615	0.671	413	2.0	2.0	18.088	C
C-A	0	0	0.00			0				
A-B	53	13	0.00			53				
A-C	0	0	0.00			0				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	189	47	0.00	546	0.346	190	0.9	0.6	10.477	B
B-A	201	50	0.00	389	0.517	205	2.2	1.2	20.963	C
C-AB	337	84	0.00	617	0.546	340	2.0	1.3	13.381	B
C-A	0	0	0.00			0				
A-B	43	11	0.00			43				
A-C	0	0	0.00			0				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	158	40	0.00	576	0.274	159	0.6	0.4	8.898	A
B-A	169	42	0.00	411	0.411	170	1.2	0.8	15.831	C
C-AB	282	71	0.00	619	0.456	284	1.3	0.9	11.001	B
C-A	0	0	0.00			0				
A-B	36	9	0.00			36				
A-C	0	0	0.00			0				

D9 - 2042 | Local Plan | AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Major arm width	Arm C - Major arm geometry	For two-way major roads, please interpret results with caution if the total major carriageway width is less than 6m.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	36.16	E

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	36.16	E

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D9	2042	Local Plan	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	85	100.000
B		ONE HOUR	✓	558	100.000
C		ONE HOUR	✓	405	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	85	0
	B	224	0	334
	C	0	405	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
		A	B	C
	A	0	3	0
	B	1	0	1
	C	0	2	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.82	41.84	4.0	E	306	460
B-A	0.84	65.48	4.1	F	206	308
C-AB	0.74	22.85	2.7	C	372	557
C-A					0	0
A-B					78	117
A-C					0	0

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	251	63	0.00	596	0.422	249	0.0	0.7	10.378	B
B-A	169	42	0.00	381	0.442	166	0.0	0.8	16.623	C
C-AB	305	76	0.00	612	0.498	301	0.0	1.0	11.650	B
C-A	0	0	0.00			0				
A-B	64	16	0.00			64				
A-C	0	0	0.00			0				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	300	75	0.00	560	0.536	299	0.7	1.1	13.831	B
B-A	201	50	0.00	354	0.569	199	0.8	1.3	23.254	C
C-AB	364	91	0.00	609	0.598	362	1.0	1.5	14.737	B
C-A	0	0	0.00			0				
A-B	76	19	0.00			76				
A-C	0	0	0.00			0				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	368	92	0.00	467	0.787	359	1.1	3.2	31.541	D
B-A	247	62	0.00	302	0.817	238	1.3	3.5	51.073	F
C-AB	446	111	0.00	605	0.737	441	1.5	2.6	21.771	C
C-A	0	0	0.00			0				
A-B	94	23	0.00			94				
A-C	0	0	0.00			0				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	368	92	0.00	447	0.823	365	3.2	4.0	41.837	E
B-A	247	62	0.00	295	0.836	244	3.5	4.1	65.477	F
C-AB	446	111	0.00	605	0.737	446	2.6	2.7	22.846	C
C-A	0	0	0.00			0				
A-B	94	23	0.00			94				
A-C	0	0	0.00			0				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	300	75	0.00	544	0.551	311	4.0	1.3	16.248	C
B-A	201	50	0.00	349	0.577	212	4.1	1.5	28.292	D
C-AB	364	91	0.00	609	0.598	369	2.7	1.6	15.542	C
C-A	0	0	0.00			0				
A-B	76	19	0.00			76				
A-C	0	0	0.00			0				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	251	63	0.00	591	0.425	254	1.3	0.8	10.828	B
B-A	169	42	0.00	379	0.445	171	1.5	0.8	17.665	C
C-AB	305	76	0.00	612	0.498	307	1.6	1.0	12.109	B
C-A	0	0	0.00			0				
A-B	64	16	0.00			64				
A-C	0	0	0.00			0				

D10 - 2042 | Local Plan | PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Major arm width	Arm C - Major arm geometry	For two-way major roads, please interpret results with caution if the total major carriageway width is less than 6m.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	59.60	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	59.60	F

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D10	2042	Local Plan	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	52	100.000
B		ONE HOUR	✓	483	100.000
C		ONE HOUR	✓	500	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	52	0
	B	240	0	243
	C	0	500	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
		A	B	C
	A	0	1	0
	B	6	0	2
	C	0	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.86	61.83	4.4	F	223	334
B-A	0.90	91.32	6.2	F	220	330
C-AB	0.90	49.48	7.0	E	459	688
C-A					0	0
A-B					48	72
A-C					0	0

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	183	46	0.00	568	0.322	181	0.0	0.5	9.452	A
B-A	181	45	0.00	376	0.480	177	0.0	0.9	18.815	C
C-AB	376	94	0.00	618	0.609	370	0.0	1.5	14.334	B
C-A	0	0	0.00			0				
A-B	39	10	0.00			39				
A-C	0	0	0.00			0				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	218	55	0.00	519	0.421	217	0.5	0.7	12.126	B
B-A	216	54	0.00	347	0.622	213	0.9	1.6	27.955	D
C-AB	449	112	0.00	617	0.729	445	1.5	2.5	20.733	C
C-A	0	0	0.00			0				
A-B	47	12	0.00			47				
A-C	0	0	0.00			0				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	268	67	0.00	368	0.728	261	0.7	2.4	32.584	D
B-A	264	66	0.00	301	0.878	252	1.6	4.8	65.042	F
C-AB	551	138	0.00	614	0.897	536	2.5	6.2	40.284	E
C-A	0	0	0.00			0				
A-B	57	14	0.00			57				
A-C	0	0	0.00			0				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	268	67	0.00	312	0.859	260	2.4	4.4	61.833	F
B-A	264	66	0.00	293	0.901	259	4.8	6.2	91.315	F
C-AB	551	138	0.00	614	0.897	547	6.2	7.0	49.479	E
C-A	0	0	0.00			0				
A-B	57	14	0.00			57				
A-C	0	0	0.00			0				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	218	55	0.00	484	0.451	233	4.4	0.9	15.370	C
B-A	216	54	0.00	338	0.638	232	6.2	2.0	40.376	E
C-AB	449	112	0.00	617	0.729	466	7.0	2.9	26.231	D
C-A	0	0	0.00			0				
A-B	47	12	0.00			47				
A-C	0	0	0.00			0				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	183	46	0.00	560	0.327	184	0.9	0.5	9.824	A
B-A	181	45	0.00	373	0.484	185	2.0	1.0	20.673	C
C-AB	376	94	0.00	618	0.609	382	2.9	1.6	15.675	C
C-A	0	0	0.00			0				
A-B	39	10	0.00			39				
A-C	0	0	0.00			0				

D11 - 2042 | Local Plan + Site 1 | AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Major arm width	Arm C - Major arm geometry	For two-way major roads, please interpret results with caution if the total major carriageway width is less than 6m.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	59.55	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	59.55	F

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D11	2042	Local Plan + Site 1	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	88	100.000
B		ONE HOUR	✓	579	100.000
C		ONE HOUR	✓	414	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	88	0
	B	239	0	340
	C	0	414	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
		A	B	C
	A	0	3	0
	B	1	0	1
	C	0	2	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.96	85.63	8.7	F	312	468
B-A	0.94	105.20	7.3	F	219	329
C-AB	0.75	24.43	3.0	C	380	570
C-A					0	0
A-B					81	121
A-C					0	0

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	256	64	0.00	586	0.437	253	0.0	0.8	10.814	B
B-A	180	45	0.00	380	0.473	176	0.0	0.9	17.573	C
C-AB	312	78	0.00	612	0.509	308	0.0	1.0	11.915	B
C-A	0	0	0.00			0				
A-B	66	17	0.00			66				
A-C	0	0	0.00			0				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	306	76	0.00	543	0.563	304	0.8	1.3	15.073	C
B-A	215	54	0.00	350	0.613	212	0.9	1.5	25.848	D
C-AB	372	93	0.00	609	0.611	370	1.0	1.5	15.254	C
C-A	0	0	0.00			0				
A-B	79	20	0.00			79				
A-C	0	0	0.00			0				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	374	94	0.00	424	0.883	359	1.3	5.1	47.527	E
B-A	263	66	0.00	292	0.902	249	1.5	5.2	68.707	F
C-AB	456	114	0.00	604	0.754	451	1.5	2.9	23.091	C
C-A	0	0	0.00			0				
A-B	97	24	0.00			97				
A-C	0	0	0.00			0				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	374	94	0.00	390	0.959	360	5.1	8.7	85.627	F
B-A	263	66	0.00	280	0.938	255	5.2	7.3	105.203	F
C-AB	456	114	0.00	604	0.754	455	2.9	3.0	24.427	C
C-A	0	0	0.00			0				
A-B	97	24	0.00			97				
A-C	0	0	0.00			0				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	306	76	0.00	509	0.600	334	8.7	1.6	23.818	C
B-A	215	54	0.00	339	0.633	236	7.3	1.9	40.883	E
C-AB	372	93	0.00	609	0.611	377	3.0	1.7	16.215	C
C-A	0	0	0.00			0				
A-B	79	20	0.00			79				
A-C	0	0	0.00			0				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	256	64	0.00	580	0.442	259	1.6	0.8	11.448	B
B-A	180	45	0.00	378	0.476	184	1.9	1.0	19.076	C
C-AB	312	78	0.00	612	0.509	314	1.7	1.1	12.425	B
C-A	0	0	0.00			0				
A-B	66	17	0.00			66				
A-C	0	0	0.00			0				

D12 - 2042 | Local Plan + Site 1 | PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Major arm width	Arm C - Major arm geometry	For two-way major roads, please interpret results with caution if the total major carriageway width is less than 6m.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	78.74	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	78.74	F

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D12	2042	Local Plan + Site 1	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	53	100.000
B		ONE HOUR	✓	499	100.000
C		ONE HOUR	✓	507	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	53	0
	B	249	0	250
	C	0	507	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
From		A	B	C
	A	0	1	0
	B	6	0	2
	C	0	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.98	106.64	8.3	F	229	344
B-A	0.95	117.86	8.5	F	228	343
C-AB	0.91	54.00	7.8	F	465	698
C-A					0	0
A-B					49	73
A-C					0	0

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	188	47	0.00	562	0.335	186	0.0	0.5	9.722	A
B-A	187	47	0.00	374	0.501	183	0.0	1.0	19.587	C
C-AB	382	95	0.00	618	0.617	375	0.0	1.6	14.627	B
C-A	0	0	0.00			0				
A-B	40	10	0.00			40				
A-C	0	0	0.00			0				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	225	56	0.00	507	0.443	224	0.5	0.8	12.904	B
B-A	224	56	0.00	344	0.651	221	1.0	1.8	30.141	D
C-AB	456	114	0.00	616	0.739	451	1.6	2.6	21.461	C
C-A	0	0	0.00			0				
A-B	48	12	0.00			48				
A-C	0	0	0.00			0				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	275	69	0.00	325	0.847	262	0.8	4.0	50.880	F
B-A	274	69	0.00	295	0.928	257	1.8	6.1	77.685	F
C-AB	558	140	0.00	614	0.910	542	2.6	6.7	42.878	E
C-A	0	0	0.00			0				
A-B	58	15	0.00			58				
A-C	0	0	0.00			0				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	275	69	0.00	281	0.981	258	4.0	8.3	106.640	F
B-A	274	69	0.00	288	0.953	265	6.1	8.5	117.861	F
C-AB	558	140	0.00	614	0.910	554	6.7	7.8	54.004	F
C-A	0	0	0.00			0				
A-B	58	15	0.00			58				
A-C	0	0	0.00			0				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	225	56	0.00	451	0.499	254	8.3	1.1	21.275	C
B-A	224	56	0.00	331	0.677	248	8.5	2.5	54.265	F
C-AB	456	114	0.00	616	0.739	474	7.8	3.1	28.221	D
C-A	0	0	0.00			0				
A-B	48	12	0.00			48				
A-C	0	0	0.00			0				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	188	47	0.00	552	0.341	190	1.1	0.5	10.216	B
B-A	187	47	0.00	371	0.505	193	2.5	1.1	22.029	C
C-AB	382	95	0.00	618	0.617	387	3.1	1.7	16.115	C
C-A	0	0	0.00			0				
A-B	40	10	0.00			40				
A-C	0	0	0.00			0				

D15 - 2042 | Local Plan + Site 1 + Site 2 | AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Major arm width	Arm C - Major arm geometry	For two-way major roads, please interpret results with caution if the total major carriageway width is less than 6m.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	63.73	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	63.73	F

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D15	2042	Local Plan + Site 1 + Site 2	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	91	100.000
B		ONE HOUR	✓	583	100.000
C		ONE HOUR	✓	415	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	91	0
	B	242	0	341
	C	0	415	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
From		A	B	C
	A	0	3	0
	B	1	0	1
	C	0	2	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.97	93.45	9.6	F	313	469
B-A	0.95	112.72	7.9	F	222	333
C-AB	0.76	24.73	3.0	C	381	571
C-A					0	0
A-B					84	125
A-C					0	0

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	257	64	0.00	584	0.440	254	0.0	0.8	10.908	B
B-A	182	46	0.00	380	0.480	179	0.0	0.9	17.772	C
C-AB	312	78	0.00	611	0.511	308	0.0	1.0	11.965	B
C-A	0	0	0.00			0				
A-B	69	17	0.00			69				
A-C	0	0	0.00			0				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	307	77	0.00	539	0.569	305	0.8	1.3	15.362	C
B-A	218	54	0.00	350	0.622	215	0.9	1.5	26.427	D
C-AB	373	93	0.00	608	0.614	371	1.0	1.6	15.350	C
C-A	0	0	0.00			0				
A-B	82	20	0.00			82				
A-C	0	0	0.00			0				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	375	94	0.00	414	0.906	357	1.3	5.8	52.665	F
B-A	266	67	0.00	289	0.921	250	1.5	5.6	73.275	F
C-AB	457	114	0.00	604	0.757	452	1.6	2.9	23.346	C
C-A	0	0	0.00			0				
A-B	100	25	0.00			100				
A-C	0	0	0.00			0				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	375	94	0.00	387	0.970	360	5.8	9.6	93.452	F
B-A	266	67	0.00	280	0.950	257	5.6	7.9	112.716	F
C-AB	457	114	0.00	604	0.757	456	2.9	3.0	24.729	C
C-A	0	0	0.00			0				
A-B	100	25	0.00			100				
A-C	0	0	0.00			0				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	307	77	0.00	501	0.612	338	9.6	1.7	26.195	D
B-A	218	54	0.00	337	0.646	241	7.9	2.0	44.656	E
C-AB	373	93	0.00	608	0.614	378	3.0	1.7	16.342	C
C-A	0	0	0.00			0				
A-B	82	20	0.00			82				
A-C	0	0	0.00			0				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	257	64	0.00	577	0.445	260	1.7	0.8	11.596	B
B-A	182	46	0.00	378	0.483	186	2.0	1.0	19.406	C
C-AB	312	78	0.00	611	0.511	315	1.7	1.1	12.485	B
C-A	0	0	0.00			0				
A-B	69	17	0.00			69				
A-C	0	0	0.00			0				

D16 - 2042 | Local Plan + Site 1 + Site 2 | PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Major arm width	Arm C - Major arm geometry	For two-way major roads, please interpret results with caution if the total major carriageway width is less than 6m.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	79.56	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	79.56	F

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D16	2042	Local Plan + Site 1 + Site 2	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	55	100.000
B		ONE HOUR	✓	492	100.000
C		ONE HOUR	✓	512	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	55	0
	B	248	0	244
	C	0	512	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
From		A	B	C
	A	0	1	0
	B	5	0	2
	C	0	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.98	105.91	8.1	F	224	336
B-A	0.95	116.12	8.3	F	228	341
C-AB	0.92	57.84	8.4	F	470	705
C-A					0	0
A-B					50	76
A-C					0	0

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	184	46	0.00	561	0.327	182	0.0	0.5	9.634	A
B-A	187	47	0.00	374	0.499	183	0.0	1.0	19.393	C
C-AB	385	96	0.00	618	0.624	379	0.0	1.6	14.855	B
C-A	0	0	0.00			0				
A-B	41	10	0.00			41				
A-C	0	0	0.00			0				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	219	55	0.00	506	0.433	218	0.5	0.8	12.707	B
B-A	223	56	0.00	343	0.649	220	1.0	1.8	29.836	D
C-AB	460	115	0.00	616	0.747	456	1.6	2.7	22.045	C
C-A	0	0	0.00			0				
A-B	49	12	0.00			49				
A-C	0	0	0.00			0				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	269	67	0.00	323	0.832	257	0.8	3.8	48.978	E
B-A	273	68	0.00	295	0.926	256	1.8	6.0	76.533	F
C-AB	564	141	0.00	613	0.919	546	2.7	7.2	44.997	E
C-A	0	0	0.00			0				
A-B	61	15	0.00			61				
A-C	0	0	0.00			0				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	269	67	0.00	274	0.980	251	3.8	8.1	105.907	F
B-A	273	68	0.00	287	0.952	264	6.0	8.3	116.118	F
C-AB	564	141	0.00	613	0.919	559	7.2	8.4	57.840	F
C-A	0	0	0.00			0				
A-B	61	15	0.00			61				
A-C	0	0	0.00			0				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	219	55	0.00	450	0.488	248	8.1	1.0	20.636	C
B-A	223	56	0.00	330	0.677	246	8.3	2.5	53.474	F
C-AB	460	115	0.00	616	0.747	481	8.4	3.3	30.000	D
C-A	0	0	0.00			0				
A-B	49	12	0.00			49				
A-C	0	0	0.00			0				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	184	46	0.00	551	0.334	186	1.0	0.5	10.109	B
B-A	187	47	0.00	370	0.504	192	2.5	1.1	21.807	C
C-AB	385	96	0.00	618	0.624	392	3.3	1.7	16.469	C
C-A	0	0	0.00			0				
A-B	41	10	0.00			41				
A-C	0	0	0.00			0				

Junctions 11

PICADY 11 - Priority Intersection Module

Version: 11.1.1.2424
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Filename: Junction 10 - Longfield Road_Huntingfield Road.j11

Path: C:\Users\MatthewJohnson\Hub Transport Planning Ltd\Hub Transport Planning - General\Projects\T25512
Wrotham Road, Meopham\Modelling\Picady

Report generation date: 27/05/2026 10:58:14

»D1 - 2032 | Reference Case | AM
»D2 - 2032 | Reference Case | PM
»D3 - 2032 | Reference Case + Site 1 | AM
»D4 - 2032 | Reference Case + Site 1 | PM
»D7 - 2032 | Reference Case + Site 1 + Site 2 | AM
»D8 - 2032 | Reference Case + Site 1 + Site 2 | PM
»D9 - 2042 | Local Plan | AM
»D10 - 2042 | Local Plan | PM
»D11 - 2042 | Local Plan + Site 1 | AM
»D12 - 2042 | Local Plan + Site 1 | PM
»D15 - 2042 | Local Plan + Site 1 + Site 2 | AM
»D16 - 2042 | Local Plan + Site 1 + Site 2 | PM

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	2032 - Reference Case									
Stream B-AC	D1	0.1	7.67	0.08	A	D2	0.2	7.66	0.15	A
Stream C-AB		0.1	5.30	0.08	A		0.1	5.40	0.10	A
	2032 - Reference Case + Site 1									
Stream B-AC	D3	0.1	7.70	0.08	A	D4	0.2	7.93	0.16	A
Stream C-AB		0.1	5.25	0.09	A		0.1	5.37	0.10	A
	2032 - Reference Case + Site 1 + Site 2									
Stream B-AC	D7	0.1	7.79	0.08	A	D8	0.2	7.98	0.16	A
Stream C-AB		0.1	5.22	0.09	A		0.1	5.32	0.10	A
	2042 - Local Plan									
Stream B-AC	D9	0.2	8.96	0.16	A	D10	0.3	8.52	0.20	A
Stream C-AB		0.2	4.82	0.11	A		0.2	5.60	0.16	A
	2042 - Local Plan + Site 1									
Stream B-AC	D11	0.2	9.00	0.16	A	D12	0.3	8.61	0.21	A
Stream C-AB		0.2	4.79	0.11	A		0.2	5.65	0.16	A
	2042 - Local Plan + Site 1 + Site 2									
Stream B-AC	D15	0.2	9.15	0.16	A	D16	0.3	8.75	0.21	A
Stream C-AB		0.2	4.81	0.11	A		0.3	5.60	0.16	A

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

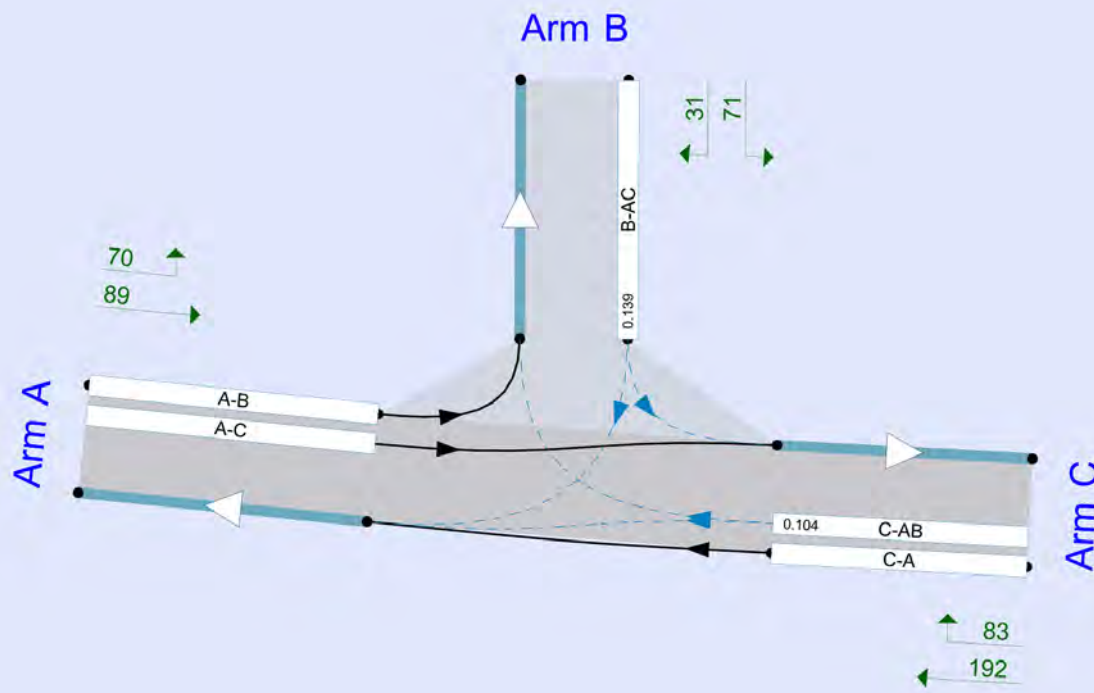
File summary

File Description

Title	
Location	Longfield Road/Huntingfield Road
Site number	12
Date	08/04/2026
Version	
Status	(new file)
Identifier	MJ
Client	Richborough
Jobnumber	T25512
Enumerator	AzureAD\MatthewJohnson
Description	

Units

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



Flows show original traffic demand (PCU/hr)
Streams (downstream end) show RFC ()

The junction diagram reflects the last run of Junctions.

Analysis Options

PICADY short flare model	Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Show lane queues in feet / metres	Show all PICADY stream intercepts	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)	Use simulation for HCM roundabouts	Use iterations for HCM roundabouts
JUNCTIONS 11.1	5.75						0.85	36.00	20.00		

Demand Set Summary

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2032	Reference Case	AM	ONE HOUR	07:45	09:15	15	✓
D2	2032	Reference Case	PM	ONE HOUR	16:45	18:15	15	✓
D3	2032	Reference Case + Site 1	AM	ONE HOUR	07:45	09:15	15	✓
D4	2032	Reference Case + Site 1	PM	ONE HOUR	16:45	18:15	15	✓
D5	2032	Reference Case + Site 2	AM	ONE HOUR	07:45	09:15	15	✓
D6	2032	Reference Case + Site 2	PM	ONE HOUR	16:45	18:15	15	✓
D7	2032	Reference Case + Site 1 + Site 2	AM	ONE HOUR	07:45	09:15	15	✓
D8	2032	Reference Case + Site 1 + Site 2	PM	ONE HOUR	16:45	18:15	15	✓
D9	2042	Local Plan	AM	ONE HOUR	07:45	09:15	15	✓
D10	2042	Local Plan	PM	ONE HOUR	16:45	18:15	15	✓
D11	2042	Local Plan + Site 1	AM	ONE HOUR	07:45	09:15	15	✓
D12	2042	Local Plan + Site 1	PM	ONE HOUR	16:45	18:15	15	✓
D13	2042	Local Plan + Site 2	AM	ONE HOUR	07:45	09:15	15	✓
D14	2042	Local Plan + Site 2	PM	ONE HOUR	16:45	18:15	15	✓
D15	2042	Local Plan + Site 1 + Site 2	AM	ONE HOUR	07:45	09:15	15	✓
D16	2042	Local Plan + Site 1 + Site 2	PM	ONE HOUR	16:45	18:15	15	✓

Analysis Set Details

ID	Include in report	Use specific Demand Set(s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	✓	✓	D1,D2,D3,D4,D7,D8,D9,D10,D11,D12,D15,D16	100.000	100.000

D1 - 2032 | Reference Case | AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	1.42	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.42	A

Arms

Arms

Arm	Name	Description	Arm type
A	Longfield Road W		Major
B	Huntingfield Road		Minor
C	Longfield Road E		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right-turn storage	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	6.60			189.5	✓	0.00

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

Minor Arm Geometry

Arm	Minor arm type	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B	One lane	3.12	23	22

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	502	0.089	0.224	0.141	0.320
B-C	646	0.097	0.245	-	-
C-B	684	0.258	0.258	-	-

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

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2032	Reference Case	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	172	100.000
B		ONE HOUR	✓	38	100.000
C		ONE HOUR	✓	202	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	15	157
	B	13	0	25
	C	158	44	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
		A	B	C
	A	0	0	0
	B	1	0	4
	C	0	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.08	7.67	0.1	A	35	52
C-AB	0.08	5.30	0.1	A	51	76
C-A					135	202
A-B					14	21
A-C					144	216

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	29	7	0.00	545	0.052	28	0.0	0.1	7.169	A
C-AB	40	10	0.00	726	0.055	39	0.0	0.1	5.283	A
C-A	112	28	0.00			112				
A-B	11	3	0.00			11				
A-C	118	30	0.00			118				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	9	0.00	537	0.064	34	0.1	0.1	7.375	A
C-AB	49	12	0.00	735	0.067	49	0.1	0.1	5.292	A
C-A	133	33	0.00			133				
A-B	13	3	0.00			13				
A-C	141	35	0.00			141				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	42	10	0.00	525	0.080	42	0.1	0.1	7.672	A
C-AB	63	16	0.00	748	0.085	63	0.1	0.1	5.303	A
C-A	159	40	0.00			159				
A-B	17	4	0.00			17				
A-C	173	43	0.00			173				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	42	10	0.00	525	0.080	42	0.1	0.1	7.672	A
C-AB	63	16	0.00	748	0.085	63	0.1	0.1	5.302	A
C-A	159	40	0.00			159				
A-B	17	4	0.00			17				
A-C	173	43	0.00			173				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	9	0.00	537	0.064	34	0.1	0.1	7.380	A
C-AB	49	12	0.00	735	0.067	49	0.1	0.1	5.293	A
C-A	132	33	0.00			132				
A-B	13	3	0.00			13				
A-C	141	35	0.00			141				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	29	7	0.00	545	0.052	29	0.1	0.1	7.179	A
C-AB	40	10	0.00	726	0.055	40	0.1	0.1	5.287	A
C-A	112	28	0.00			112				
A-B	11	3	0.00			11				
A-C	118	30	0.00			118				

D2 - 2032 | Reference Case | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	2.49	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.49	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	2032	Reference Case	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	108	100.000
B		ONE HOUR	✓	75	100.000
C		ONE HOUR	✓	186	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
From		A	B	C
	A	0	35	73
	B	23	0	52
	C	133	53	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.15	7.66	0.2	A	69	103
C-AB	0.10	5.40	0.1	A	59	88
C-A					112	168
A-B					32	48
A-C					67	100

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	56	14	0.00	566	0.100	56	0.0	0.1	7.057	A
C-AB	46	12	0.00	726	0.064	46	0.0	0.1	5.343	A
C-A	94	23	0.00			94				
A-B	26	7	0.00			26				
A-C	55	14	0.00			55				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	67	17	0.00	560	0.120	67	0.1	0.1	7.302	A
C-AB	57	14	0.00	734	0.078	57	0.1	0.1	5.365	A
C-A	110	28	0.00			110				
A-B	31	8	0.00			31				
A-C	66	16	0.00			66				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	83	21	0.00	552	0.149	82	0.1	0.2	7.657	A
C-AB	73	18	0.00	746	0.097	73	0.1	0.1	5.396	A
C-A	132	33	0.00			132				
A-B	39	10	0.00			39				
A-C	80	20	0.00			80				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	83	21	0.00	552	0.149	83	0.2	0.2	7.660	A
C-AB	73	18	0.00	746	0.097	73	0.1	0.1	5.400	A
C-A	132	33	0.00			132				
A-B	39	10	0.00			39				
A-C	80	20	0.00			80				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	67	17	0.00	560	0.120	68	0.2	0.1	7.313	A
C-AB	57	14	0.00	735	0.078	57	0.1	0.1	5.371	A
C-A	110	28	0.00			110				
A-B	31	8	0.00			31				
A-C	66	16	0.00			66				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	56	14	0.00	566	0.100	57	0.1	0.1	7.072	A
C-AB	46	12	0.00	726	0.064	46	0.1	0.1	5.353	A
C-A	94	23	0.00			94				
A-B	26	7	0.00			26				
A-C	55	14	0.00			55				

D3 - 2032 | Reference Case + Site 1 | AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	1.37	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.37	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	2032	Reference Case + Site 1	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	173	100.000
B		ONE HOUR	✓	38	100.000
C		ONE HOUR	✓	218	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	15	158
	B	13	0	25
	C	174	44	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
From		A	B	C
	A	0	0	0
	B	1	0	4
	C	1	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.08	7.70	0.1	A	35	52
C-AB	0.09	5.25	0.1	A	52	78
C-A					148	222
A-B					14	21
A-C					145	217

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	29	7	0.00	544	0.053	28	0.0	0.1	7.183	A
C-AB	40	10	0.00	734	0.055	40	0.0	0.1	5.240	A
C-A	124	31	0.00			124				
A-B	11	3	0.00			11				
A-C	119	30	0.00			119				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	9	0.00	535	0.064	34	0.1	0.1	7.393	A
C-AB	50	13	0.00	744	0.067	50	0.1	0.1	5.239	A
C-A	146	36	0.00			146				
A-B	13	3	0.00			13				
A-C	142	36	0.00			142				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	42	10	0.00	523	0.080	42	0.1	0.1	7.697	A
C-AB	65	16	0.00	759	0.086	65	0.1	0.1	5.240	A
C-A	175	44	0.00			175				
A-B	17	4	0.00			17				
A-C	174	43	0.00			174				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	42	10	0.00	523	0.080	42	0.1	0.1	7.698	A
C-AB	65	16	0.00	759	0.086	65	0.1	0.1	5.244	A
C-A	175	44	0.00			175				
A-B	17	4	0.00			17				
A-C	174	43	0.00			174				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	9	0.00	535	0.064	34	0.1	0.1	7.396	A
C-AB	50	13	0.00	744	0.067	50	0.1	0.1	5.244	A
C-A	146	36	0.00			146				
A-B	13	3	0.00			13				
A-C	142	36	0.00			142				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	29	7	0.00	544	0.053	29	0.1	0.1	7.194	A
C-AB	40	10	0.00	734	0.055	40	0.1	0.1	5.247	A
C-A	124	31	0.00			124				
A-B	11	3	0.00			11				
A-C	119	30	0.00			119				

D4 - 2032 | Reference Case + Site 1 | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	2.56	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.56	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	2032	Reference Case + Site 1	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	110	100.000
B		ONE HOUR	✓	80	100.000
C		ONE HOUR	✓	193	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	41	69
	B	25	0	55
	C	140	53	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
From		A	B	C
	A	0	0	0
	B	0	0	3
	C	1	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.16	7.93	0.2	A	73	110
C-AB	0.10	5.37	0.1	A	59	89
C-A					118	177
A-B					38	56
A-C					63	95

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	60	15	0.00	565	0.107	60	0.0	0.1	7.271	A
C-AB	47	12	0.00	729	0.064	46	0.0	0.1	5.323	A
C-A	99	25	0.00			99				
A-B	31	8	0.00			31				
A-C	52	13	0.00			52				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	72	18	0.00	559	0.129	72	0.1	0.1	7.538	A
C-AB	58	14	0.00	738	0.078	57	0.1	0.1	5.342	A
C-A	116	29	0.00			116				
A-B	37	9	0.00			37				
A-C	62	16	0.00			62				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	88	22	0.00	551	0.160	88	0.1	0.2	7.927	A
C-AB	74	18	0.00	751	0.098	73	0.1	0.1	5.368	A
C-A	139	35	0.00			139				
A-B	45	11	0.00			45				
A-C	76	19	0.00			76				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	88	22	0.00	551	0.160	88	0.2	0.2	7.932	A
C-AB	74	18	0.00	751	0.098	74	0.1	0.1	5.370	A
C-A	139	35	0.00			139				
A-B	45	11	0.00			45				
A-C	76	19	0.00			76				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	72	18	0.00	559	0.129	72	0.2	0.2	7.550	A
C-AB	58	14	0.00	738	0.078	58	0.1	0.1	5.345	A
C-A	116	29	0.00			116				
A-B	37	9	0.00			37				
A-C	62	16	0.00			62				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	60	15	0.00	564	0.107	60	0.2	0.1	7.290	A
C-AB	47	12	0.00	729	0.064	47	0.1	0.1	5.330	A
C-A	99	25	0.00			99				
A-B	31	8	0.00			31				
A-C	52	13	0.00			52				

D7 - 2032 | Reference Case + Site 1 + Site 2 | AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	1.30	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.30	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D7	2032	Reference Case + Site 1 + Site 2	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	189	100.000
B		ONE HOUR	✓	38	100.000
C		ONE HOUR	✓	234	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	16	173
	B	13	0	25
	C	190	44	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
From		A	B	C
	A	0	0	0
	B	1	0	4
	C	1	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.08	7.79	0.1	A	35	52
C-AB	0.09	5.22	0.1	A	53	80
C-A					162	242
A-B					15	22
A-C					159	238

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	29	7	0.00	540	0.053	28	0.0	0.1	7.234	A
C-AB	41	10	0.00	739	0.056	41	0.0	0.1	5.210	A
C-A	135	34	0.00			135				
A-B	12	3	0.00			12				
A-C	130	33	0.00			130				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	9	0.00	531	0.064	34	0.1	0.1	7.459	A
C-AB	51	13	0.00	750	0.068	51	0.1	0.1	5.205	A
C-A	159	40	0.00			159				
A-B	14	4	0.00			14				
A-C	156	39	0.00			156				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	42	10	0.00	518	0.081	42	0.1	0.1	7.784	A
C-AB	67	17	0.00	766	0.087	67	0.1	0.1	5.199	A
C-A	191	48	0.00			191				
A-B	18	4	0.00			18				
A-C	190	48	0.00			190				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	42	10	0.00	518	0.081	42	0.1	0.1	7.786	A
C-AB	67	17	0.00	766	0.087	67	0.1	0.1	5.203	A
C-A	191	48	0.00			191				
A-B	18	4	0.00			18				
A-C	190	48	0.00			190				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	34	9	0.00	531	0.064	34	0.1	0.1	7.462	A
C-AB	51	13	0.00	750	0.068	51	0.1	0.1	5.209	A
C-A	159	40	0.00			159				
A-B	14	4	0.00			14				
A-C	156	39	0.00			156				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	29	7	0.00	540	0.053	29	0.1	0.1	7.242	A
C-AB	41	10	0.00	739	0.056	41	0.1	0.1	5.216	A
C-A	135	34	0.00			135				
A-B	12	3	0.00			12				
A-C	130	33	0.00			130				

D8 - 2032 | Reference Case + Site 1 + Site 2 | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	2.43	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.43	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D8	2032	Reference Case + Site 1 + Site 2	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	120	100.000
B		ONE HOUR	✓	80	100.000
C		ONE HOUR	✓	208	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	46	74
	B	25	0	55
	C	155	53	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
		A	B	C
	A	0	0	0
	B	0	0	3
	C	1	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.16	7.98	0.2	A	73	110
C-AB	0.10	5.32	0.1	A	61	91
C-A					130	196
A-B					42	63
A-C					68	102

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	60	15	0.00	563	0.107	60	0.0	0.1	7.301	A
C-AB	47	12	0.00	734	0.065	47	0.0	0.1	5.289	A
C-A	109	27	0.00			109				
A-B	35	9	0.00			35				
A-C	56	14	0.00			56				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	72	18	0.00	557	0.129	72	0.1	0.2	7.576	A
C-AB	59	15	0.00	744	0.079	59	0.1	0.1	5.303	A
C-A	128	32	0.00			128				
A-B	41	10	0.00			41				
A-C	67	17	0.00			67				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	88	22	0.00	548	0.161	88	0.1	0.2	7.981	A
C-AB	75	19	0.00	759	0.099	75	0.1	0.1	5.320	A
C-A	154	38	0.00			154				
A-B	51	13	0.00			51				
A-C	81	20	0.00			81				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	88	22	0.00	548	0.161	88	0.2	0.2	7.984	A
C-AB	75	19	0.00	759	0.099	75	0.1	0.1	5.322	A
C-A	154	38	0.00			154				
A-B	51	13	0.00			51				
A-C	81	20	0.00			81				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	72	18	0.00	556	0.129	72	0.2	0.2	7.588	A
C-AB	59	15	0.00	745	0.079	59	0.1	0.1	5.304	A
C-A	128	32	0.00			128				
A-B	41	10	0.00			41				
A-C	67	17	0.00			67				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	60	15	0.00	562	0.107	60	0.2	0.1	7.316	A
C-AB	48	12	0.00	734	0.065	48	0.1	0.1	5.298	A
C-A	109	27	0.00			109				
A-B	35	9	0.00			35				
A-C	56	14	0.00			56				

D9 - 2042 | Local Plan | AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	1.62	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.62	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D9	2042	Local Plan	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	174	100.000
B		ONE HOUR	✓	70	100.000
C		ONE HOUR	✓	377	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	20	154
	B	31	0	39
	C	327	50	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
From		A	B	C
	A	0	0	0
	B	1	0	3
	C	0	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.16	8.96	0.2	A	64	96
C-AB	0.11	4.82	0.2	A	73	109
C-A					273	410
A-B					18	28
A-C					141	212

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	53	13	0.00	515	0.102	52	0.0	0.1	7.928	A
C-AB	54	14	0.00	807	0.067	54	0.0	0.1	4.811	A
C-A	230	57	0.00			230				
A-B	15	4	0.00			15				
A-C	116	29	0.00			116				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	63	16	0.00	504	0.125	63	0.1	0.1	8.335	A
C-AB	70	17	0.00	832	0.084	70	0.1	0.1	4.752	A
C-A	269	67	0.00			269				
A-B	18	4	0.00			18				
A-C	138	35	0.00			138				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	77	19	0.00	487	0.158	77	0.1	0.2	8.950	A
C-AB	94	24	0.00	868	0.109	94	0.1	0.2	4.687	A
C-A	321	80	0.00			321				
A-B	22	6	0.00			22				
A-C	170	42	0.00			170				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	77	19	0.00	487	0.158	77	0.2	0.2	8.958	A
C-AB	94	24	0.00	868	0.109	94	0.2	0.2	4.688	A
C-A	321	80	0.00			321				
A-B	22	6	0.00			22				
A-C	170	42	0.00			170				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	63	16	0.00	504	0.125	63	0.2	0.1	8.348	A
C-AB	70	17	0.00	832	0.084	70	0.2	0.2	4.753	A
C-A	269	67	0.00			269				
A-B	18	4	0.00			18				
A-C	138	35	0.00			138				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	53	13	0.00	515	0.102	53	0.1	0.1	7.951	A
C-AB	54	14	0.00	807	0.067	54	0.2	0.1	4.815	A
C-A	229	57	0.00			229				
A-B	15	4	0.00			15				
A-C	116	29	0.00			116				

D10 - 2042 | Local Plan | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	2.97	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.97	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D10	2042	Local Plan	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	129	100.000
B		ONE HOUR	✓	101	100.000
C		ONE HOUR	✓	261	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	67	62
	B	30	0	71
	C	178	83	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
From		A	B	C
	A	0	0	0
	B	0	0	4
	C	1	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.20	8.52	0.3	A	93	139
C-AB	0.16	5.60	0.2	A	98	147
C-A					142	212
A-B					61	92
A-C					57	85

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	0.00	562	0.135	75	0.0	0.2	7.599	A
C-AB	76	19	0.00	744	0.103	76	0.0	0.1	5.441	A
C-A	120	30	0.00			120				
A-B	50	13	0.00			50				
A-C	47	12	0.00			47				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	91	23	0.00	555	0.164	91	0.2	0.2	7.967	A
C-AB	95	24	0.00	756	0.125	95	0.1	0.2	5.500	A
C-A	140	35	0.00			140				
A-B	60	15	0.00			60				
A-C	56	14	0.00			56				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	111	28	0.00	545	0.204	111	0.2	0.3	8.511	A
C-AB	123	31	0.00	773	0.159	122	0.2	0.2	5.592	A
C-A	165	41	0.00			165				
A-B	74	18	0.00			74				
A-C	68	17	0.00			68				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	111	28	0.00	545	0.204	111	0.3	0.3	8.520	A
C-AB	123	31	0.00	773	0.159	123	0.2	0.2	5.598	A
C-A	165	41	0.00			165				
A-B	74	18	0.00			74				
A-C	68	17	0.00			68				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	91	23	0.00	555	0.164	91	0.3	0.2	7.981	A
C-AB	95	24	0.00	756	0.126	95	0.2	0.2	5.509	A
C-A	140	35	0.00			140				
A-B	60	15	0.00			60				
A-C	56	14	0.00			56				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	0.00	562	0.135	76	0.2	0.2	7.627	A
C-AB	76	19	0.00	744	0.103	77	0.2	0.1	5.454	A
C-A	120	30	0.00			120				
A-B	50	13	0.00			50				
A-C	47	12	0.00			47				

D11 - 2042 | Local Plan + Site 1 | AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	1.60	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.60	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D11	2042	Local Plan + Site 1	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	177	100.000
B		ONE HOUR	✓	70	100.000
C		ONE HOUR	✓	387	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	20	157
	B	31	0	39
	C	337	50	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
From		A	B	C
	A	0	0	0
	B	1	0	3
	C	0	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.16	9.00	0.2	A	64	96
C-AB	0.11	4.79	0.2	A	74	111
C-A					281	422
A-B					18	28
A-C					144	216

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	53	13	0.00	514	0.103	52	0.0	0.1	7.950	A
C-AB	55	14	0.00	812	0.067	54	0.0	0.1	4.788	A
C-A	237	59	0.00			237				
A-B	15	4	0.00			15				
A-C	118	30	0.00			118				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	63	16	0.00	502	0.125	63	0.1	0.1	8.363	A
C-AB	71	18	0.00	838	0.084	70	0.1	0.2	4.725	A
C-A	277	69	0.00			277				
A-B	18	4	0.00			18				
A-C	141	35	0.00			141				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	77	19	0.00	486	0.159	77	0.1	0.2	8.991	A
C-AB	96	24	0.00	874	0.110	96	0.2	0.2	4.655	A
C-A	330	83	0.00			330				
A-B	22	6	0.00			22				
A-C	173	43	0.00			173				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	77	19	0.00	486	0.159	77	0.2	0.2	8.998	A
C-AB	96	24	0.00	874	0.110	96	0.2	0.2	4.656	A
C-A	330	83	0.00			330				
A-B	22	6	0.00			22				
A-C	173	43	0.00			173				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	63	16	0.00	502	0.125	63	0.2	0.1	8.374	A
C-AB	71	18	0.00	838	0.084	71	0.2	0.2	4.728	A
C-A	277	69	0.00			277				
A-B	18	4	0.00			18				
A-C	141	35	0.00			141				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	53	13	0.00	514	0.103	53	0.1	0.1	7.971	A
C-AB	55	14	0.00	812	0.068	55	0.2	0.1	4.793	A
C-A	236	59	0.00			236				
A-B	15	4	0.00			15				
A-C	118	30	0.00			118				

D12 - 2042 | Local Plan + Site 1 | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	2.91	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.91	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D12	2042	Local Plan + Site 1	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	147	100.000
B		ONE HOUR	✓	101	100.000
C		ONE HOUR	✓	258	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
From		A	B	C
	A	0	67	80
	B	30	0	71
	C	175	83	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

		To		
From		A	B	C
	A	0	0	0
	B	0	0	4
	C	1	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.21	8.61	0.3	A	93	139
C-AB	0.16	5.65	0.2	A	98	147
C-A					139	209
A-B					61	92
A-C					73	110

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	0.00	559	0.136	75	0.0	0.2	7.649	A
C-AB	76	19	0.00	739	0.103	75	0.0	0.1	5.477	A
C-A	118	30	0.00			118				
A-B	50	13	0.00			50				
A-C	60	15	0.00			60				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	91	23	0.00	551	0.165	91	0.2	0.2	8.031	A
C-AB	95	24	0.00	750	0.126	94	0.1	0.2	5.544	A
C-A	137	34	0.00			137				
A-B	60	15	0.00			60				
A-C	72	18	0.00			72				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	111	28	0.00	541	0.206	111	0.2	0.3	8.599	A
C-AB	122	31	0.00	766	0.160	122	0.2	0.2	5.647	A
C-A	162	40	0.00			162				
A-B	74	18	0.00			74				
A-C	88	22	0.00			88				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	111	28	0.00	541	0.206	111	0.3	0.3	8.611	A
C-AB	122	31	0.00	766	0.160	122	0.2	0.2	5.653	A
C-A	162	40	0.00			162				
A-B	74	18	0.00			74				
A-C	88	22	0.00			88				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	91	23	0.00	551	0.165	91	0.3	0.2	8.046	A
C-AB	95	24	0.00	750	0.126	95	0.2	0.2	5.551	A
C-A	137	34	0.00			137				
A-B	60	15	0.00			60				
A-C	72	18	0.00			72				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	0.00	558	0.136	76	0.2	0.2	7.674	A
C-AB	76	19	0.00	739	0.103	76	0.2	0.1	5.489	A
C-A	118	30	0.00			118				
A-B	50	13	0.00			50				
A-C	60	15	0.00			60				

D15 - 2042 | Local Plan + Site 1 + Site 2 | AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	1.59	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.59	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D15	2042	Local Plan + Site 1 + Site 2	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	193	100.000
B		ONE HOUR	✓	71	100.000
C		ONE HOUR	✓	388	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	21	172
	B	32	0	39
	C	338	50	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
From		A	B	C
	A	0	0	0
	B	1	0	3
	C	0	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.16	9.15	0.2	A	65	98
C-AB	0.11	4.81	0.2	A	74	111
C-A					282	423
A-B					19	29
A-C					158	237

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	53	13	0.00	510	0.105	53	0.0	0.1	8.037	A
C-AB	55	14	0.00	809	0.068	54	0.0	0.1	4.803	A
C-A	237	59	0.00			237				
A-B	16	4	0.00			16				
A-C	129	32	0.00			129				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	0.00	497	0.128	64	0.1	0.1	8.475	A
C-AB	71	18	0.00	835	0.085	71	0.1	0.2	4.742	A
C-A	278	69	0.00			278				
A-B	19	5	0.00			19				
A-C	155	39	0.00			155				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	78	20	0.00	480	0.163	78	0.1	0.2	9.145	A
C-AB	96	24	0.00	871	0.111	96	0.2	0.2	4.677	A
C-A	331	83	0.00			331				
A-B	23	6	0.00			23				
A-C	189	47	0.00			189				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	78	20	0.00	480	0.163	78	0.2	0.2	9.153	A
C-AB	96	24	0.00	871	0.111	96	0.2	0.2	4.678	A
C-A	331	83	0.00			331				
A-B	23	6	0.00			23				
A-C	189	47	0.00			189				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	0.00	497	0.128	64	0.2	0.2	8.489	A
C-AB	71	18	0.00	835	0.085	71	0.2	0.2	4.745	A
C-A	278	69	0.00			278				
A-B	19	5	0.00			19				
A-C	155	39	0.00			155				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	53	13	0.00	510	0.105	54	0.2	0.1	8.061	A
C-AB	55	14	0.00	809	0.068	55	0.2	0.1	4.806	A
C-A	237	59	0.00			237				
A-B	16	4	0.00			16				
A-C	129	32	0.00			129				

D16 - 2042 | Local Plan + Site 1 + Site 2 | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	2.80	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	2.80	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D16	2042	Local Plan + Site 1 + Site 2	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	159	100.000
B		ONE HOUR	✓	102	100.000
C		ONE HOUR	✓	275	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
From		A	B	C
	A	0	70	89
	B	31	0	71
	C	192	83	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

		To		
From		A	B	C
	A	0	0	0
	B	0	0	4
	C	1	1	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.21	8.75	0.3	A	94	140
C-AB	0.16	5.60	0.3	A	100	150
C-A					152	228
A-B					64	96
A-C					82	123

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	77	19	0.00	554	0.139	76	0.0	0.2	7.724	A
C-AB	78	19	0.00	745	0.104	77	0.0	0.1	5.440	A
C-A	130	32	0.00			130				
A-B	53	13	0.00			53				
A-C	67	17	0.00			67				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	92	23	0.00	546	0.168	92	0.2	0.2	8.129	A
C-AB	97	24	0.00	757	0.128	97	0.1	0.2	5.502	A
C-A	150	38	0.00			150				
A-B	63	16	0.00			63				
A-C	80	20	0.00			80				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	112	28	0.00	535	0.210	112	0.2	0.3	8.734	A
C-AB	126	31	0.00	775	0.162	126	0.2	0.3	5.600	A
C-A	177	44	0.00			177				
A-B	77	19	0.00			77				
A-C	98	24	0.00			98				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	112	28	0.00	535	0.210	112	0.3	0.3	8.745	A
C-AB	126	31	0.00	775	0.162	126	0.3	0.3	5.604	A
C-A	177	44	0.00			177				
A-B	77	19	0.00			77				
A-C	98	24	0.00			98				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	92	23	0.00	546	0.168	92	0.3	0.2	8.145	A
C-AB	97	24	0.00	758	0.128	97	0.3	0.2	5.509	A
C-A	150	38	0.00			150				
A-B	63	16	0.00			63				
A-C	80	20	0.00			80				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	77	19	0.00	554	0.139	77	0.2	0.2	7.752	A
C-AB	78	19	0.00	745	0.104	78	0.2	0.2	5.454	A
C-A	129	32	0.00			129				
A-B	53	13	0.00			53				
A-C	67	17	0.00			67				

Junctions 11

PICADY 11 - Priority Intersection Module

Version: 11.1.1.2424
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Filename: Junction 11 - Main Road_Manor Road.j11

Path: C:\Users\MatthewJohnson\Hub Transport Planning Ltd\Hub Transport Planning - General\Projects\T25512
Wrotham Road, Meopham\Modelling\Picady

Report generation date: 27/05/2026 11:04:10

»D1 - 2032 | Reference Case | AM
»D2 - 2032 | Reference Case | PM
»D3 - 2032 | Reference Case + Site 1 | AM
»D4 - 2032 | Reference Case + Site 1 | PM
»D7 - 2032 | Reference Case + Site 1 + Site 2 | AM
»D8 - 2032 | Reference Case + Site 1 + Site 2 | PM
»D9 - 2042 | Local Plan | AM
»D10 - 2042 | Local Plan | PM
»D11 - 2042 | Local Plan + Site 1 | AM
»D12 - 2042 | Local Plan + Site 1 | PM
»D15 - 2042 | Local Plan + Site 1 + Site 2 | AM
»D16 - 2042 | Local Plan + Site 1 + Site 2 | PM

Summary of junction performance

	AM				PM			
	Set ID	Queue (PCU)	Delay (s)	RFC	Set ID	Queue (PCU)	Delay (s)	RFC
	2032 - Reference Case							
Stream B-AC	D1	0.1	7.61	0.13	D2	0.2	7.86	0.15
Stream C-AB		0.1	5.35	0.04		0.0	5.83	0.01
	2032 - Reference Case + Site 1							
Stream B-AC	D3	0.2	7.68	0.15	D4	0.2	7.90	0.15
Stream C-AB		0.1	5.36	0.04		0.0	5.83	0.01
	2032 - Reference Case + Site 1 + Site 2							
Stream B-AC	D7	0.2	7.79	0.16	D8	0.2	7.95	0.15
Stream C-AB		0.1	5.38	0.04		0.0	5.80	0.01
	2042 - Local Plan							
Stream B-AC	D9	0.2	8.94	0.15	D10	0.2	8.28	0.18
Stream C-AB		0.1	5.71	0.07		0.0	5.77	0.01
	2042 - Local Plan + Site 1							
Stream B-AC	D11	0.2	9.04	0.16	D12	0.2	8.28	0.18
Stream C-AB		0.1	5.71	0.07		0.0	5.67	0.01
	2042 - Local Plan + Site 1 + Site 2							
Stream B-AC	D15	0.2	9.17	0.16	D16	0.2	8.36	0.18
Stream C-AB		0.1	5.71	0.07		0.0	5.64	0.01

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

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

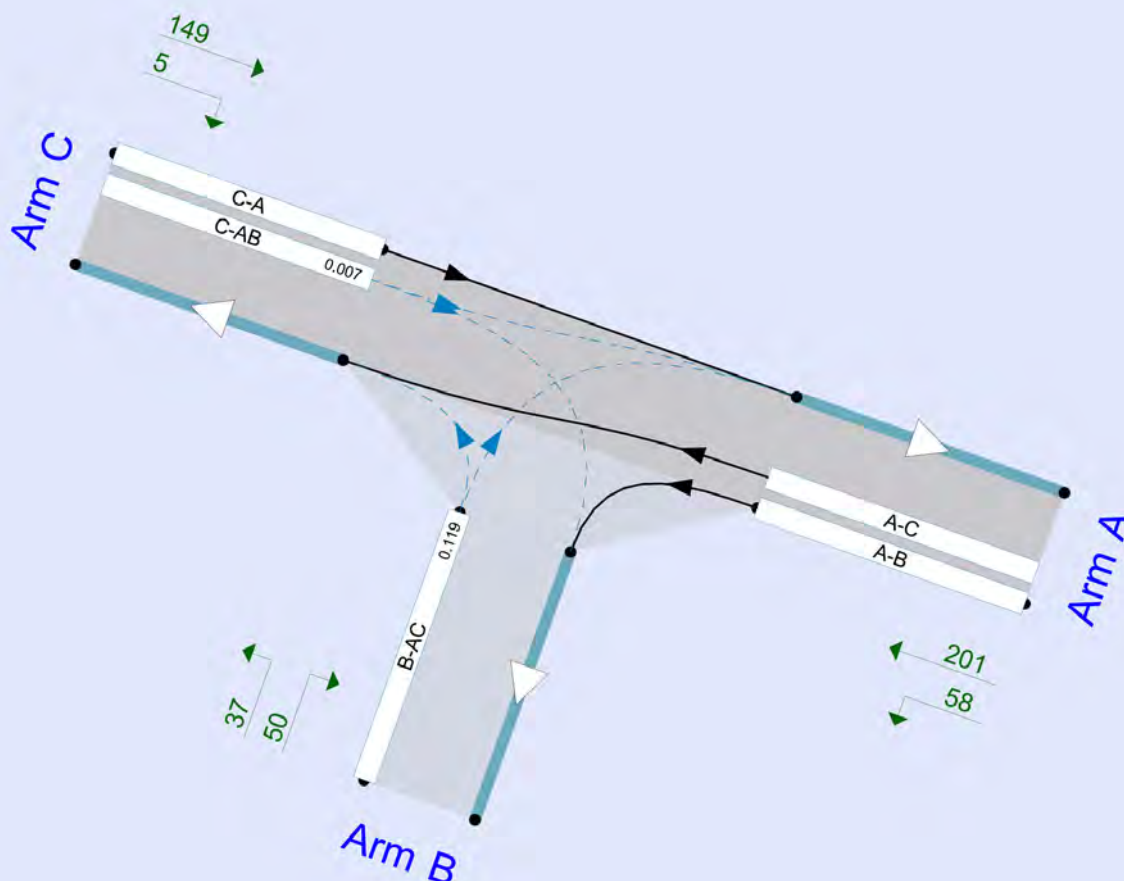
File summary

File Description

Title	
Location	Main Road/Manor Road
Site number	13
Date	08/04/2026
Version	
Status	(new file)
Identifier	MJ
Client	Richborough
Jobnumber	T25512
Enumerator	AzureAD\MatthewJohnson
Description	

Units

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



Flows show original traffic demand (PCU/hr)
Streams (downstream end) show RFC ()

The junction diagram reflects the last run of Junctions.

Analysis Options

PICADY short flare model	Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Show lane queues in feet / metres	Show all PICADY stream intercepts	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)	Use simulation for HCM roundabouts	Use iterations for HCM roundabouts
PICADY 4.1	5.75						0.85	36.00	20.00		

Demand Set Summary

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2032	Reference Case	AM	ONE HOUR	07:45	09:15	15	✓
D2	2032	Reference Case	PM	ONE HOUR	16:45	18:15	15	✓
D3	2032	Reference Case + Site 1	AM	ONE HOUR	07:45	09:15	15	✓
D4	2032	Reference Case + Site 1	PM	ONE HOUR	16:45	18:15	15	✓
D5	2032	Reference Case + Site 2	AM	ONE HOUR	07:45	09:15	15	✓
D6	2032	Reference Case + Site 2	PM	ONE HOUR	16:45	18:15	15	✓
D7	2032	Reference Case + Site 1 + Site 2	AM	ONE HOUR	07:45	09:15	15	✓
D8	2032	Reference Case + Site 1 + Site 2	PM	ONE HOUR	16:45	18:15	15	✓
D9	2042	Local Plan	AM	ONE HOUR	07:45	09:15	15	✓
D10	2042	Local Plan	PM	ONE HOUR	16:45	18:15	15	✓
D11	2042	Local Plan + Site 1	AM	ONE HOUR	07:45	09:15	15	✓
D12	2042	Local Plan + Site 1	PM	ONE HOUR	16:45	18:15	15	✓
D13	2042	Local Plan + Site 2	AM	ONE HOUR	07:45	09:15	15	✓
D14	2042	Local Plan + Site 2	PM	ONE HOUR	16:45	18:15	15	✓
D15	2042	Local Plan + Site 1 + Site 2	AM	ONE HOUR	07:45	09:15	15	✓
D16	2042	Local Plan + Site 1 + Site 2	PM	ONE HOUR	16:45	18:15	15	✓

Analysis Set Details

ID	Include in report	Use specific Demand Set(s)	Specific Demand Set(s)	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	✓	✓	D1,D2,D3,D4,D7,D8,D9,D10,D11,D12,D15,D16	100.000	100.000

D1 - 2032 | Reference Case | AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	1.27	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.27	A

Arms

Arms

Arm	Name	Description	Arm type
A	Main Road E		Major
B	Manor Road		Minor
C	Main Road W		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right-turn storage	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	6.70			64.3	✓	0.00

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

Minor Arm Geometry

Arm	Minor arm type	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B	One lane	3.58	77	50

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	558	0.098	0.247	0.155	0.353
B-C	693	0.104	0.263	-	-
C-B	611	0.230	0.230	-	-

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

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

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

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2032	Reference Case	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	190	100.000
B		ONE HOUR	✓	64	100.000
C		ONE HOUR	✓	242	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	31	159
	B	31	0	33
	C	223	19	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.13	7.61	0.1	A	59	88
C-AB	0.04	5.35	0.1	A	25	37
C-A					197	296
A-B					28	43
A-C					146	219

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	48	12	0.00	568	0.085	48	0.0	0.1	6.915	A
C-AB	19	5	0.00	692	0.027	19	0.0	0.0	5.345	A
C-A	163	41	0.00			163				
A-B	23	6	0.00			23				
A-C	120	30	0.00			120				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	58	14	0.00	558	0.103	57	0.1	0.1	7.196	A
C-AB	24	6	0.00	709	0.034	24	0.0	0.0	5.255	A
C-A	194	48	0.00			194				
A-B	28	7	0.00			28				
A-C	143	36	0.00			143				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	70	18	0.00	543	0.130	70	0.1	0.1	7.609	A
C-AB	32	8	0.00	732	0.043	31	0.0	0.1	5.139	A
C-A	235	59	0.00			235				
A-B	34	9	0.00			34				
A-C	175	44	0.00			175				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	70	18	0.00	543	0.130	70	0.1	0.1	7.612	A
C-AB	32	8	0.00	732	0.043	32	0.1	0.1	5.142	A
C-A	235	59	0.00			235				
A-B	34	9	0.00			34				
A-C	175	44	0.00			175				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	58	14	0.00	558	0.103	58	0.1	0.1	7.203	A
C-AB	24	6	0.00	709	0.034	24	0.1	0.0	5.257	A
C-A	194	48	0.00			194				
A-B	28	7	0.00			28				
A-C	143	36	0.00			143				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	48	12	0.00	568	0.085	48	0.1	0.1	6.929	A
C-AB	19	5	0.00	692	0.027	19	0.0	0.0	5.346	A
C-A	163	41	0.00			163				
A-B	23	6	0.00			23				
A-C	120	30	0.00			120				

D2 - 2032 | Reference Case | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	1.63	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.63	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	2032	Reference Case	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	204	100.000
B		ONE HOUR	✓	73	100.000
C		ONE HOUR	✓	95	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
From		A	B	C
	A	0	53	151
	B	47	0	26
	C	90	5	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.15	7.86	0.2	A	67	100
C-AB	0.01	5.83	0.0	A	5	8
C-A					82	123
A-B					49	73
A-C					139	208

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	55	14	0.00	558	0.099	55	0.0	0.1	7.145	A
C-AB	4	1	0.00	622	0.007	4	0.0	0.0	5.826	A
C-A	67	17	0.00			67				
A-B	40	10	0.00			40				
A-C	114	28	0.00			114				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	66	16	0.00	550	0.119	66	0.1	0.1	7.431	A
C-AB	5	1	0.00	624	0.008	5	0.0	0.0	5.812	A
C-A	80	20	0.00			80				
A-B	48	12	0.00			48				
A-C	136	34	0.00			136				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	80	20	0.00	539	0.149	80	0.1	0.2	7.852	A
C-AB	7	2	0.00	628	0.010	7	0.0	0.0	5.792	A
C-A	98	25	0.00			98				
A-B	58	15	0.00			58				
A-C	166	42	0.00			166				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	80	20	0.00	539	0.149	80	0.2	0.2	7.857	A
C-AB	7	2	0.00	628	0.010	7	0.0	0.0	5.793	A
C-A	98	25	0.00			98				
A-B	58	15	0.00			58				
A-C	166	42	0.00			166				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	66	16	0.00	550	0.119	66	0.2	0.1	7.442	A
C-AB	5	1	0.00	624	0.008	5	0.0	0.0	5.813	A
C-A	80	20	0.00			80				
A-B	48	12	0.00			48				
A-C	136	34	0.00			136				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	55	14	0.00	558	0.099	55	0.1	0.1	7.159	A
C-AB	4	1	0.00	622	0.007	4	0.0	0.0	5.829	A
C-A	67	17	0.00			67				
A-B	40	10	0.00			40				
A-C	114	28	0.00			114				

D3 - 2032 | Reference Case + Site 1 | AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	1.35	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.35	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	2032	Reference Case + Site 1	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	207	100.000
B		ONE HOUR	✓	73	100.000
C		ONE HOUR	✓	244	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	33	174
	B	31	0	42
	C	225	19	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.15	7.68	0.2	A	67	100
C-AB	0.04	5.36	0.1	A	25	37
C-A					199	298
A-B					30	45
A-C					160	239

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	55	14	0.00	575	0.096	55	0.0	0.1	6.914	A
C-AB	19	5	0.00	691	0.027	19	0.0	0.0	5.358	A
C-A	165	41	0.00			165				
A-B	25	6	0.00			25				
A-C	131	33	0.00			131				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	66	16	0.00	564	0.116	66	0.1	0.1	7.218	A
C-AB	24	6	0.00	707	0.034	24	0.0	0.0	5.270	A
C-A	195	49	0.00			195				
A-B	30	7	0.00			30				
A-C	156	39	0.00			156				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	80	20	0.00	549	0.146	80	0.1	0.2	7.674	A
C-AB	32	8	0.00	730	0.043	32	0.0	0.1	5.157	A
C-A	237	59	0.00			237				
A-B	36	9	0.00			36				
A-C	192	48	0.00			192				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	80	20	0.00	549	0.146	80	0.2	0.2	7.677	A
C-AB	32	8	0.00	730	0.044	32	0.1	0.1	5.160	A
C-A	237	59	0.00			237				
A-B	36	9	0.00			36				
A-C	192	48	0.00			192				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	66	16	0.00	564	0.116	66	0.2	0.1	7.229	A
C-AB	24	6	0.00	707	0.034	24	0.1	0.0	5.272	A
C-A	195	49	0.00			195				
A-B	30	7	0.00			30				
A-C	156	39	0.00			156				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	55	14	0.00	575	0.096	55	0.1	0.1	6.931	A
C-AB	19	5	0.00	691	0.028	19	0.0	0.0	5.360	A
C-A	165	41	0.00			165				
A-B	25	6	0.00			25				
A-C	131	33	0.00			131				

D4 - 2032 | Reference Case + Site 1 | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	1.59	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.59	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	2032	Reference Case + Site 1	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	213	100.000
B		ONE HOUR	✓	73	100.000
C		ONE HOUR	✓	98	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	55	158
	B	47	0	26
	C	93	5	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.15	7.90	0.2	A	67	100
C-AB	0.01	5.83	0.0	A	5	8
C-A					85	127
A-B					50	76
A-C					145	217

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	55	14	0.00	556	0.099	55	0.0	0.1	7.170	A
C-AB	4	1	0.00	622	0.007	4	0.0	0.0	5.826	A
C-A	70	17	0.00			70				
A-B	41	10	0.00			41				
A-C	119	30	0.00			119				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	66	16	0.00	548	0.120	66	0.1	0.1	7.464	A
C-AB	5	1	0.00	624	0.008	5	0.0	0.0	5.812	A
C-A	83	21	0.00			83				
A-B	49	12	0.00			49				
A-C	142	36	0.00			142				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	80	20	0.00	536	0.150	80	0.1	0.2	7.897	A
C-AB	7	2	0.00	628	0.010	7	0.0	0.0	5.792	A
C-A	101	25	0.00			101				
A-B	61	15	0.00			61				
A-C	174	43	0.00			174				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	80	20	0.00	536	0.150	80	0.2	0.2	7.901	A
C-AB	7	2	0.00	628	0.010	7	0.0	0.0	5.792	A
C-A	101	25	0.00			101				
A-B	61	15	0.00			61				
A-C	174	43	0.00			174				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	66	16	0.00	548	0.120	66	0.2	0.1	7.471	A
C-AB	5	1	0.00	624	0.008	5	0.0	0.0	5.814	A
C-A	83	21	0.00			83				
A-B	49	12	0.00			49				
A-C	142	36	0.00			142				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	55	14	0.00	556	0.099	55	0.1	0.1	7.184	A
C-AB	4	1	0.00	622	0.007	4	0.0	0.0	5.826	A
C-A	70	17	0.00			70				
A-B	41	10	0.00			41				
A-C	119	30	0.00			119				

D7 - 2032 | Reference Case + Site 1 + Site 2 | AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	1.39	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.39	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D7	2032	Reference Case + Site 1 + Site 2	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	222	100.000
B		ONE HOUR	✓	78	100.000
C		ONE HOUR	✓	244	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	34	188
	B	32	0	46
	C	225	19	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.16	7.79	0.2	A	72	107
C-AB	0.04	5.38	0.1	A	25	37
C-A					199	298
A-B					31	47
A-C					173	259

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	59	15	0.00	574	0.102	58	0.0	0.1	6.970	A
C-AB	19	5	0.00	688	0.028	19	0.0	0.0	5.377	A
C-A	165	41	0.00			165				
A-B	26	6	0.00			26				
A-C	142	35	0.00			142				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	70	18	0.00	563	0.125	70	0.1	0.1	7.297	A
C-AB	24	6	0.00	704	0.034	24	0.0	0.0	5.292	A
C-A	195	49	0.00			195				
A-B	31	8	0.00			31				
A-C	169	42	0.00			169				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	86	21	0.00	548	0.157	86	0.1	0.2	7.792	A
C-AB	32	8	0.00	726	0.044	32	0.0	0.1	5.182	A
C-A	237	59	0.00			237				
A-B	37	9	0.00			37				
A-C	207	52	0.00			207				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	86	21	0.00	548	0.157	86	0.2	0.2	7.794	A
C-AB	32	8	0.00	726	0.044	32	0.1	0.1	5.185	A
C-A	237	59	0.00			237				
A-B	37	9	0.00			37				
A-C	207	52	0.00			207				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	70	18	0.00	563	0.125	70	0.2	0.1	7.308	A
C-AB	24	6	0.00	704	0.034	24	0.1	0.0	5.294	A
C-A	195	49	0.00			195				
A-B	31	8	0.00			31				
A-C	169	42	0.00			169				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	59	15	0.00	574	0.102	59	0.1	0.1	6.987	A
C-AB	19	5	0.00	688	0.028	19	0.0	0.0	5.379	A
C-A	165	41	0.00			165				
A-B	26	6	0.00			26				
A-C	142	35	0.00			142				

D8 - 2032 | Reference Case + Site 1 + Site 2 | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	1.59	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.59	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D8	2032	Reference Case + Site 1 + Site 2	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	214	100.000
B		ONE HOUR	✓	74	100.000
C		ONE HOUR	✓	103	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
From		A	B	C
	A	0	55	159
	B	48	0	26
	C	98	5	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.15	7.95	0.2	A	68	102
C-AB	0.01	5.80	0.0	A	5	8
C-A					89	134
A-B					50	76
A-C					146	219

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	56	14	0.00	555	0.100	55	0.0	0.1	7.199	A
C-AB	4	1	0.00	624	0.007	4	0.0	0.0	5.804	A
C-A	73	18	0.00			73				
A-B	41	10	0.00			41				
A-C	120	30	0.00			120				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	67	17	0.00	546	0.122	66	0.1	0.1	7.499	A
C-AB	5	1	0.00	627	0.008	5	0.0	0.0	5.785	A
C-A	87	22	0.00			87				
A-B	49	12	0.00			49				
A-C	143	36	0.00			143				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	81	20	0.00	534	0.152	81	0.1	0.2	7.944	A
C-AB	7	2	0.00	632	0.011	7	0.0	0.0	5.759	A
C-A	107	27	0.00			107				
A-B	61	15	0.00			61				
A-C	175	44	0.00			175				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	81	20	0.00	534	0.152	81	0.2	0.2	7.948	A
C-AB	7	2	0.00	632	0.011	7	0.0	0.0	5.759	A
C-A	107	27	0.00			107				
A-B	61	15	0.00			61				
A-C	175	44	0.00			175				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	67	17	0.00	546	0.122	67	0.2	0.1	7.507	A
C-AB	5	1	0.00	627	0.008	5	0.0	0.0	5.788	A
C-A	87	22	0.00			87				
A-B	49	12	0.00			49				
A-C	143	36	0.00			143				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	56	14	0.00	555	0.100	56	0.1	0.1	7.217	A
C-AB	4	1	0.00	624	0.007	4	0.0	0.0	5.804	A
C-A	73	18	0.00			73				
A-B	41	10	0.00			41				
A-C	120	30	0.00			120				

D9 - 2042 | Local Plan | AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	1.18	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.18	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D9	2042	Local Plan	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	389	100.000
B		ONE HOUR	✓	67	100.000
C		ONE HOUR	✓	246	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	36	353
	B	36	0	31
	C	218	28	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.15	8.94	0.2	A	61	92
C-AB	0.07	5.71	0.1	A	37	56
C-A					189	283
A-B					33	50
A-C					324	486

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	13	0.00	520	0.097	50	0.0	0.1	7.647	A
C-AB	28	7	0.00	658	0.043	28	0.0	0.1	5.707	A
C-A	157	39	0.00			157				
A-B	27	7	0.00			27				
A-C	266	66	0.00			266				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	60	15	0.00	502	0.120	60	0.1	0.1	8.145	A
C-AB	36	9	0.00	669	0.053	36	0.1	0.1	5.682	A
C-A	185	46	0.00			185				
A-B	32	8	0.00			32				
A-C	317	79	0.00			317				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	74	18	0.00	476	0.155	74	0.1	0.2	8.932	A
C-AB	48	12	0.00	685	0.070	47	0.1	0.1	5.651	A
C-A	223	56	0.00			223				
A-B	40	10	0.00			40				
A-C	389	97	0.00			389				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	74	18	0.00	476	0.155	74	0.2	0.2	8.940	A
C-AB	48	12	0.00	685	0.070	48	0.1	0.1	5.656	A
C-A	223	56	0.00			223				
A-B	40	10	0.00			40				
A-C	389	97	0.00			389				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	60	15	0.00	502	0.120	60	0.2	0.1	8.156	A
C-AB	36	9	0.00	669	0.053	36	0.1	0.1	5.689	A
C-A	185	46	0.00			185				
A-B	32	8	0.00			32				
A-C	317	79	0.00			317				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	50	13	0.00	520	0.097	51	0.1	0.1	7.664	A
C-AB	28	7	0.00	659	0.043	28	0.1	0.1	5.715	A
C-A	157	39	0.00			157				
A-B	27	7	0.00			27				
A-C	266	66	0.00			266				

D10 - 2042 | Local Plan | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	1.57	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.57	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D10	2042	Local Plan	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	258	100.000
B		ONE HOUR	✓	84	100.000
C		ONE HOUR	✓	125	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	57	201
	B	50	0	34
	C	120	5	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
		A	B	C
	A	0	0	1
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.18	8.28	0.2	A	77	116
C-AB	0.01	5.77	0.0	A	6	8
C-A					109	164
A-B					52	78
A-C					184	277

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	63	16	0.00	552	0.115	63	0.0	0.1	7.349	A
C-AB	4	1	0.00	629	0.007	4	0.0	0.0	5.767	A
C-A	90	22	0.00			90				
A-B	43	11	0.00			43				
A-C	151	38	0.00			151				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	0.00	542	0.139	75	0.1	0.2	7.721	A
C-AB	5	1	0.00	632	0.009	5	0.0	0.0	5.741	A
C-A	107	27	0.00			107				
A-B	51	13	0.00			51				
A-C	181	45	0.00			181				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	92	23	0.00	527	0.176	92	0.2	0.2	8.278	A
C-AB	7	2	0.00	638	0.011	7	0.0	0.0	5.703	A
C-A	131	33	0.00			131				
A-B	63	16	0.00			63				
A-C	221	55	0.00			221				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	92	23	0.00	527	0.176	92	0.2	0.2	8.285	A
C-AB	7	2	0.00	638	0.011	7	0.0	0.0	5.706	A
C-A	131	33	0.00			131				
A-B	63	16	0.00			63				
A-C	221	55	0.00			221				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	0.00	542	0.139	76	0.2	0.2	7.732	A
C-AB	5	1	0.00	632	0.009	5	0.0	0.0	5.741	A
C-A	107	27	0.00			107				
A-B	51	13	0.00			51				
A-C	181	45	0.00			181				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	63	16	0.00	552	0.115	63	0.2	0.1	7.368	A
C-AB	4	1	0.00	629	0.007	4	0.0	0.0	5.770	A
C-A	90	22	0.00			90				
A-B	43	11	0.00			43				
A-C	151	38	0.00			151				

D11 - 2042 | Local Plan + Site 1 | AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	1.22	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.22	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D11	2042	Local Plan + Site 1	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	399	100.000
B		ONE HOUR	✓	71	100.000
C		ONE HOUR	✓	249	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	38	361
	B	37	0	34
	C	221	28	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.16	9.04	0.2	A	65	98
C-AB	0.07	5.71	0.1	A	37	56
C-A					191	287
A-B					35	52
A-C					331	497

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	53	13	0.00	521	0.103	53	0.0	0.1	7.686	A
C-AB	28	7	0.00	658	0.043	28	0.0	0.1	5.708	A
C-A	159	40	0.00			159				
A-B	29	7	0.00			29				
A-C	272	68	0.00			272				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	0.00	502	0.127	64	0.1	0.1	8.206	A
C-AB	36	9	0.00	669	0.054	36	0.1	0.1	5.684	A
C-A	188	47	0.00			188				
A-B	34	9	0.00			34				
A-C	325	81	0.00			325				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	78	20	0.00	476	0.164	78	0.1	0.2	9.033	A
C-AB	48	12	0.00	685	0.070	48	0.1	0.1	5.653	A
C-A	226	57	0.00			226				
A-B	42	10	0.00			42				
A-C	397	99	0.00			397				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	78	20	0.00	476	0.164	78	0.2	0.2	9.042	A
C-AB	48	12	0.00	685	0.070	48	0.1	0.1	5.658	A
C-A	226	57	0.00			226				
A-B	42	10	0.00			42				
A-C	397	99	0.00			397				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	0.00	502	0.127	64	0.2	0.1	8.219	A
C-AB	36	9	0.00	669	0.054	36	0.1	0.1	5.688	A
C-A	188	47	0.00			188				
A-B	34	9	0.00			34				
A-C	325	81	0.00			325				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	53	13	0.00	521	0.103	54	0.1	0.1	7.706	A
C-AB	28	7	0.00	659	0.043	28	0.1	0.1	5.714	A
C-A	159	40	0.00			159				
A-B	29	7	0.00			29				
A-C	272	68	0.00			272				

D12 - 2042 | Local Plan + Site 1 | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	1.53	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.53	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D12	2042	Local Plan + Site 1	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	255	100.000
B		ONE HOUR	✓	85	100.000
C		ONE HOUR	✓	145	100.000

Origin-Destination Data

Demand (PCU/hr)

From	To			
		A	B	C
	A	0	57	198
	B	49	0	36
	C	140	5	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.18	8.28	0.2	A	78	117
C-AB	0.01	5.67	0.0	A	6	9
C-A					127	191
A-B					52	78
A-C					182	273

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	0.00	554	0.116	63	0.0	0.1	7.337	A
C-AB	5	1	0.00	639	0.007	4	0.0	0.0	5.670	A
C-A	105	26	0.00			105				
A-B	43	11	0.00			43				
A-C	149	37	0.00			149				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	0.00	543	0.141	76	0.1	0.2	7.714	A
C-AB	6	1	0.00	645	0.009	6	0.0	0.0	5.626	A
C-A	125	31	0.00			125				
A-B	51	13	0.00			51				
A-C	178	44	0.00			178				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	0.00	528	0.177	93	0.2	0.2	8.278	A
C-AB	7	2	0.00	654	0.011	7	0.0	0.0	5.564	A
C-A	152	38	0.00			152				
A-B	63	16	0.00			63				
A-C	218	55	0.00			218				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	94	23	0.00	528	0.177	94	0.2	0.2	8.285	A
C-AB	7	2	0.00	654	0.011	7	0.0	0.0	5.567	A
C-A	152	38	0.00			152				
A-B	63	16	0.00			63				
A-C	218	55	0.00			218				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	76	19	0.00	543	0.141	77	0.2	0.2	7.725	A
C-AB	6	1	0.00	645	0.009	6	0.0	0.0	5.628	A
C-A	125	31	0.00			125				
A-B	51	13	0.00			51				
A-C	178	44	0.00			178				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	64	16	0.00	554	0.116	64	0.2	0.1	7.356	A
C-AB	5	1	0.00	639	0.007	5	0.0	0.0	5.672	A
C-A	105	26	0.00			105				
A-B	43	11	0.00			43				
A-C	149	37	0.00			149				

D15 - 2042 | Local Plan + Site 1 + Site 2 | AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix	Junction 1	HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	1.20	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.20	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D15	2042	Local Plan + Site 1 + Site 2	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	409	100.000
B		ONE HOUR	✓	70	100.000
C		ONE HOUR	✓	252	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	40	369
	B	38	0	32
	C	224	28	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.16	9.17	0.2	A	64	96
C-AB	0.07	5.71	0.1	A	38	56
C-A					194	290
A-B					37	55
A-C					339	508

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	53	13	0.00	516	0.102	52	0.0	0.1	7.762	A
C-AB	28	7	0.00	659	0.043	28	0.0	0.1	5.709	A
C-A	161	40	0.00			161				
A-B	30	8	0.00			30				
A-C	278	69	0.00			278				

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	63	16	0.00	496	0.127	63	0.1	0.1	8.300	A
C-AB	36	9	0.00	669	0.054	36	0.1	0.1	5.687	A
C-A	190	48	0.00			190				
A-B	36	9	0.00			36				
A-C	332	83	0.00			332				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	77	19	0.00	470	0.164	77	0.1	0.2	9.158	A
C-AB	48	12	0.00	685	0.071	48	0.1	0.1	5.654	A
C-A	229	57	0.00			229				
A-B	44	11	0.00			44				
A-C	406	102	0.00			406				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	77	19	0.00	470	0.164	77	0.2	0.2	9.167	A
C-AB	48	12	0.00	685	0.071	48	0.1	0.1	5.659	A
C-A	229	57	0.00			229				
A-B	44	11	0.00			44				
A-C	406	102	0.00			406				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	63	16	0.00	496	0.127	63	0.2	0.1	8.314	A
C-AB	36	9	0.00	669	0.054	36	0.1	0.1	5.691	A
C-A	190	48	0.00			190				
A-B	36	9	0.00			36				
A-C	332	83	0.00			332				

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	53	13	0.00	516	0.102	53	0.1	0.1	7.783	A
C-AB	28	7	0.00	659	0.043	29	0.1	0.1	5.715	A
C-A	161	40	0.00			161				
A-B	30	8	0.00			30				
A-C	278	69	0.00			278				

D16 - 2042 | Local Plan + Site 1 + Site 2 | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	Two-way	Two-way	1.53	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.53	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D16	2042	Local Plan + Site 1 + Site 2	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		ONE HOUR	✓	259	100.000
B		ONE HOUR	✓	87	100.000
C		ONE HOUR	✓	154	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	58	201
	B	50	0	37
	C	149	5	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

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

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-AC	0.18	8.36	0.2	A	80	120
C-AB	0.01	5.64	0.0	A	6	9
C-A					135	203
A-B					53	80
A-C					184	277

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	65	16	0.00	552	0.119	65	0.0	0.1	7.377	A
C-AB	5	1	0.00	643	0.007	5	0.0	0.0	5.635	A
C-A	111	28	0.00			111				
A-B	44	11	0.00			44				
A-C	151	38	0.00			151				

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	78	20	0.00	541	0.144	78	0.1	0.2	7.766	A
C-AB	6	1	0.00	650	0.009	6	0.0	0.0	5.584	A
C-A	133	33	0.00			133				
A-B	52	13	0.00			52				
A-C	181	45	0.00			181				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	96	24	0.00	526	0.182	96	0.2	0.2	8.354	A
C-AB	7	2	0.00	660	0.011	7	0.0	0.0	5.514	A
C-A	162	41	0.00			162				
A-B	64	16	0.00			64				
A-C	221	55	0.00			221				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	96	24	0.00	526	0.182	96	0.2	0.2	8.362	A
C-AB	7	2	0.00	660	0.011	7	0.0	0.0	5.517	A
C-A	162	41	0.00			162				
A-B	64	16	0.00			64				
A-C	221	55	0.00			221				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	78	20	0.00	541	0.144	78	0.2	0.2	7.777	A
C-AB	6	1	0.00	650	0.009	6	0.0	0.0	5.587	A
C-A	133	33	0.00			133				
A-B	52	13	0.00			52				
A-C	181	45	0.00			181				

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-AC	65	16	0.00	552	0.119	66	0.2	0.1	7.399	A
C-AB	5	1	0.00	643	0.007	5	0.0	0.0	5.635	A
C-A	111	28	0.00			111				
A-B	44	11	0.00			44				
A-C	151	38	0.00			151				