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APPENDIX 15-4

JUNCTION 2 ARCADY ANALYSIS

Junctions 11

ARCADY 11 - Roundabout Module

Version: 11.1.0.2307
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Filename: Import of Kingston Junction 2 - WDR & Knocknacarra District Centre.j11
Path: C:\Users\Micheal Geraghty\OneDrive - TOBIN Consulting Engineers\Junctions - Various\11893\Traffic 2026
Report generation date: 09/07/2026 14:38:09

»D1 - 2026 | | AM
»D2 - 2026 | | PM
»D3 - 2029 | Base | AM
»D4 - 2029 | Base | PM
»D5 - 2029 | Base + Comm & Prop | AM
»D6 - 2029 | Base + Comm & Prop | PM
»D7 - 2044 | Base | AM
»D8 - 2044 | Base | PM
»D9 - 2044 | Base + Comm | AM
»D10 - 2044 | Base + Comm | PM
»D11 - 2044 | Base + Comm & Prop | AM
»D12 - 2044 | Base + Comm & Prop | PM
»D13 - 2044 | Base + Comm & Prop & Masterplan | AM
»D14 - 2044 | Base + Comm & Prop & Masterplan | PM

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	2026									
Arm 1	D1	1.3	8.69	0.57	A	D2	0.8	7.02	0.44	A
Arm 2		0.2	4.65	0.17	A		0.5	5.08	0.31	A
Arm 3		0.2	3.71	0.15	A		0.1	3.25	0.06	A
Arm 4		0.7	5.14	0.42	A		1.3	6.83	0.56	A
Arm 5		0.0	4.63	0.03	A		0.0	5.16	0.02	A
	2029 - Base									
Arm 1	D3	1.5	9.42	0.60	A	D4	0.9	7.40	0.46	A
Arm 2		0.2	4.79	0.18	A		0.5	5.26	0.33	A
Arm 3		0.2	3.82	0.16	A		0.1	3.31	0.06	A
Arm 4		0.8	5.36	0.44	A		1.5	7.33	0.59	A
Arm 5		0.0	4.73	0.04	A		0.0	5.31	0.02	A
	2029 - Base + Comm & Prop									
Arm 1	D5	3.0	16.11	0.76	C	D6	1.1	8.76	0.54	A
Arm 2		0.3	5.64	0.23	A		0.6	5.67	0.36	A
Arm 3		0.3	4.17	0.21	A		0.2	3.87	0.19	A
Arm 4		1.1	6.21	0.52	A		2.1	9.51	0.68	A
Arm 5		0.1	5.16	0.05	A		0.0	5.98	0.03	A
	2044 - Base									
Arm 1	D7	2.2	12.56	0.69	B	D8	1.2	8.85	0.54	A
Arm 2		0.3	5.24	0.22	A		0.6	5.89	0.38	A
Arm 3		0.2	4.17	0.20	A		0.1	3.50	0.08	A
Arm 4		1.1	6.13	0.51	A		2.1	9.32	0.68	A
Arm 5		0.0	5.07	0.04	A		0.0	5.83	0.03	A
	2044 - Base + Comm									
Arm 1	D9	4.4	22.21	0.82	C	D10	1.5	10.38	0.60	B
Arm 2		0.4	6.09	0.26	A		0.7	6.28	0.41	A
Arm 3		0.3	4.47	0.23	A		0.2	4.09	0.20	A
Arm 4		1.4	7.12	0.58	A		2.7	11.61	0.73	B
Arm 5		0.1	5.51	0.06	A		0.0	6.40	0.03	A
	2044 - Base + Comm & Prop									
Arm 1	D11	6.0	29.45	0.87	D	D12	1.6	10.78	0.61	B
Arm 2		0.4	6.30	0.27	A		0.7	6.41	0.42	A
Arm 3		0.3	4.60	0.24	A		0.3	4.14	0.20	A
Arm 4		1.4	7.31	0.59	A		3.2	13.15	0.76	B
Arm 5		0.1	5.74	0.09	A		0.0	6.65	0.04	A
	2044 - Base + Comm & Prop & Masterplan									
Arm 1	D13	10.7	48.83	0.94	E	D14	2.3	14.14	0.71	B
Arm 2		0.4	6.75	0.29	A		0.9	7.20	0.46	A
Arm 3		0.3	4.86	0.26	A		0.3	4.42	0.22	A
Arm 4		1.9	8.67	0.65	A		7.4	27.64	0.89	D
Arm 5		0.1	6.02	0.07	A		0.1	7.98	0.05	A

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

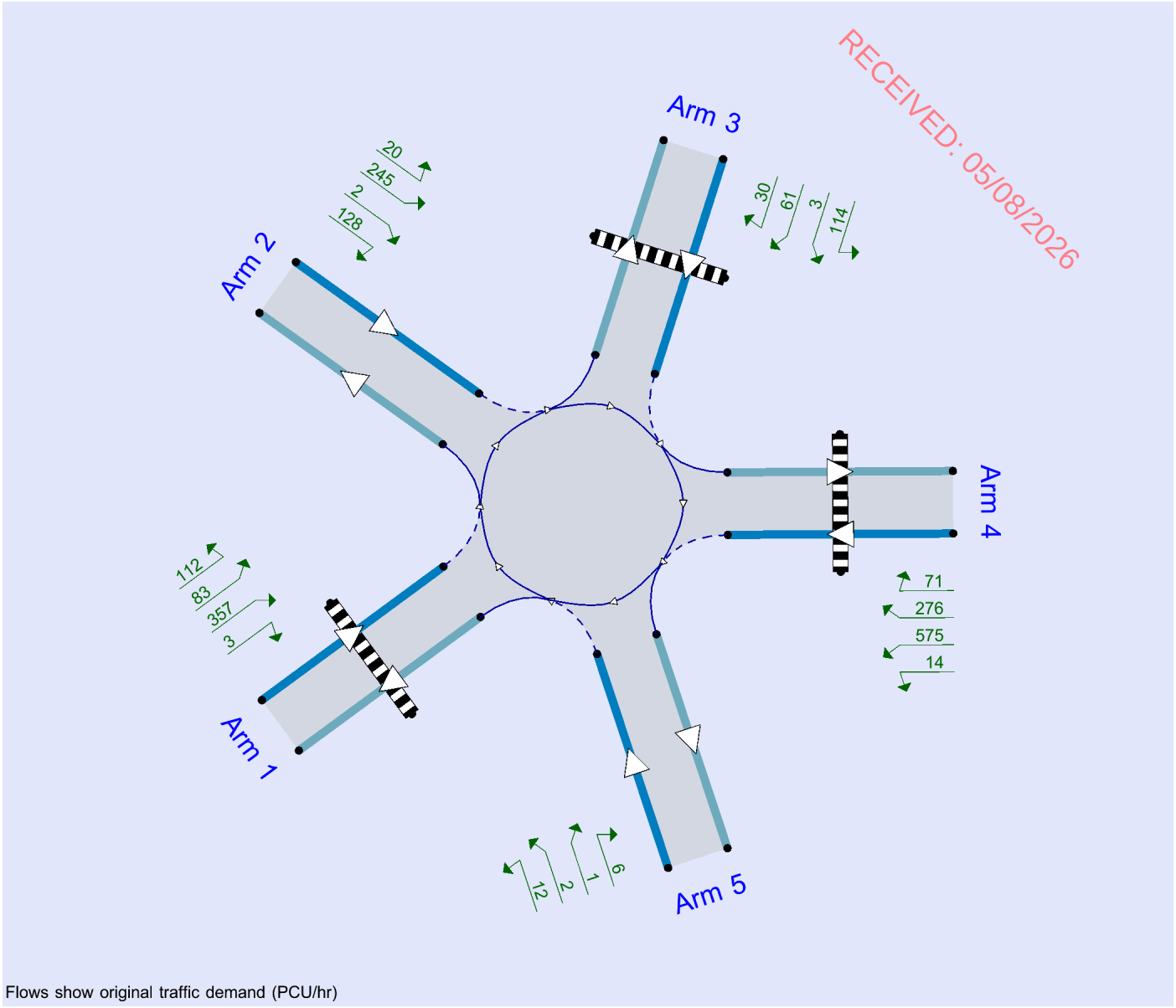
File summary

File Description

Title	
Location	
Site number	
Date	11/12/2023
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	TOBIN\James.Quinn
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

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

Demand Set Summary

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D1	2026		AM	ONE HOUR	07:45	09:15	15
D2	2026		PM	ONE HOUR	16:45	18:15	15
D3	2029	Base	AM	ONE HOUR	07:45	09:15	15
D4	2029	Base	PM	ONE HOUR	16:45	18:15	15
D5	2029	Base + Comm & Prop	AM	ONE HOUR	07:45	09:15	15
D6	2029	Base + Comm & Prop	PM	ONE HOUR	16:45	18:15	15
D7	2044	Base	AM	ONE HOUR	07:45	09:15	15
D8	2044	Base	PM	ONE HOUR	16:45	18:15	15
D9	2044	Base + Comm	AM	ONE HOUR	07:45	09:15	15
D10	2044	Base + Comm	PM	ONE HOUR	16:45	18:15	15
D11	2044	Base + Comm & Prop	AM	ONE HOUR	07:45	09:15	15
D12	2044	Base + Comm & Prop	PM	ONE HOUR	16:45	18:15	15
D13	2044	Base + Comm & Prop & Masterplan	AM	ONE HOUR	07:45	09:15	15
D14	2044	Base + Comm & Prop & Masterplan	PM	ONE HOUR	16:45	18:15	15

Analysis Set Details

ID	Network flow scaling factor (%)
A1	100.000

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D1 - 2026 | | AM

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Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		1, 2, 3, 4, 5	6.26	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	6.26	A

Arms

Arms

Arm	Name	Description	No give-way line
1	untitled		
2	untitled		
3	untitled		
4	untitled		
5	untitled		

Roundabout Geometry

Arm	V - Approach road half-width (m)	E - Entry width (m)	l' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Entry only	Exit only
1	3.40	3.57	2.0	9.5	48.0	13.0		
2	4.20	4.20	0.0	8.9	48.0	20.0		
3	3.50	5.50	21.0	11.0	48.0	20.0		
4	3.20	4.50	27.0	9.6	48.0	20.0		
5	3.00	4.50	3.0	20.0	48.0	20.0		

Zebra Crossings

Arm	Space between crossing and junction entry (Zebra) (PCU)	Vehicles queueing on exit (Zebra) (PCU)	Central Refuge	Crossing data type	Crossing length (m)	Crossing time (s)
1	16.00	5.00		Distance	3.00	2.14
3	16.00	5.00		Distance	3.00	2.14
4	16.00	6.00		Distance	3.00	2.14

Slope / Intercept / Capacity

Roundabout Slope and Intercept used in model

Arm	Final slope	Final intercept (PCU/hr)
1	0.499	1076
2	0.521	1239
3	0.580	1517
4	0.532	1287
5	0.516	1121

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

Traffic Demand

Demand Set Details

ID	Year	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D1	2026	AM	ONE HOUR	07:45	09:15	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1		✓	495	100.000
2		✓	149	100.000
3		✓	158	100.000
4		✓	470	100.000
5		✓	25	100.000

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Demand overview (Pedestrians)

Arm	Average pedestrian flow (Ped/hr)
1	5.00
2	
3	5.00
4	5.00
5	

Origin-Destination Data

Demand (PCU/hr)

		To				
		1	2	3	4	5
From	1	0	36	28	429	2
	2	45	0	7	95	2
	3	27	16	0	114	1
	4	288	147	33	0	2
	5	8	1	5	11	0

Vehicle Mix

Heavy Vehicle %

		To				
		1	2	3	4	5
From	1	50	0	0	0	0
	2	0	0	0	2	0
	3	0	0	0	0	0
	4	1	5	0	0	0
	5	0	0	0	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)	Pedestrian Demand (Ped/hr)
07:45-08:00	1	373	373	3.76
	2	112	112	
	3	119	119	3.76
	4	354	354	3.76
	5	19	19	
08:00-08:15	1	445	445	4.49
	2	134	134	
	3	142	142	4.49
	4	423	423	4.49
	5	22	22	
08:15-08:30	1	545	545	5.51
	2	164	164	
	3	174	174	5.51
	4	517	517	5.51
	5	28	28	
08:30-08:45	1	545	545	5.51
	2	164	164	
	3	174	174	5.51
	4	517	517	5.51
	5	28	28	
08:45-09:00	1	445	445	4.49
	2	134	134	
	3	142	142	4.49
	4	423	423	4.49
	5	22	22	
09:00-09:15	1	373	373	3.76
	2	112	112	
	3	119	119	3.76
	4	354	354	3.76
	5	19	19	

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Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	0.57	8.69	1.3	A
2	0.17	4.65	0.2	A
3	0.15	3.71	0.2	A
4	0.42	5.14	0.7	A
5	0.03	4.63	0.0	A

Main Results for each time segment

07:45 - 08:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	373	160	3.76	996	0.374	370	0.6	5.728	A
2	112	380		1041	0.108	112	0.1	3.920	A
3	119	437	3.76	1263	0.094	119	0.1	3.145	A
4	354	70	3.76	1250	0.283	352	0.4	4.089	A
5	19	417		906	0.021	19	0.0	4.055	A

08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	445	191	4.49	981	0.454	444	0.8	6.699	A
2	134	456		1002	0.134	134	0.2	4.200	A
3	142	524	4.49	1213	0.117	142	0.1	3.361	A
4	423	84	4.49	1242	0.340	422	0.5	4.478	A
5	22	499		864	0.026	22	0.0	4.278	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	545	234	5.51	959	0.568	543	1.3	8.612	A
2	164	558		949	0.173	164	0.2	4.643	A
3	174	641	5.51	1145	0.152	174	0.2	3.707	A
4	517	102	5.51	1233	0.420	517	0.7	5.129	A
5	28	611		806	0.034	27	0.0	4.623	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	545	235	5.51	959	0.568	545	1.3	8.690	A
2	164	559		948	0.173	164	0.2	4.650	A
3	174	643	5.51	1144	0.152	174	0.2	3.711	A
4	517	102	5.51	1232	0.420	517	0.7	5.142	A
5	28	612		806	0.034	28	0.0	4.626	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	445	192	4.49	980	0.454	447	0.8	6.770	A
2	134	458		1000	0.134	134	0.2	4.211	A
3	142	527	4.49	1211	0.117	142	0.1	3.367	A
4	423	84	4.49	1242	0.340	423	0.5	4.495	A
5	22	501		863	0.026	23	0.0	4.282	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	373	161	3.76	996	0.374	374	0.6	5.795	A
2	112	383		1039	0.108	112	0.1	3.933	A
3	119	441	3.76	1261	0.094	119	0.1	3.151	A
4	354	70	3.76	1250	0.283	354	0.4	4.110	A
5	19	419		905	0.021	19	0.0	4.061	A

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D2 - 2026 | | PM

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Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		1, 2, 3, 4, 5	6.31	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	6.31	A

Traffic Demand

Demand Set Details

ID	Year	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D2	2026	PM	ONE HOUR	16:45	18:15	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1		✓	364	100.000
2		✓	296	100.000
3		✓	64	100.000
4		✓	627	100.000
5		✓	15	100.000

Demand overview (Pedestrians)

Arm	Average pedestrian flow (Ped/hr)
1	5.00
2	
3	5.00
4	5.00
5	

Origin-Destination Data

Demand (PCU/hr)

		To				
		1	2	3	4	5
From	1	0	76	45	241	2
	2	75	0	13	206	2
	3	17	10	0	36	1
	4	337	232	46	0	12
	5	7	2	1	5	0

Vehicle Mix

Heavy Vehicle %

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

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Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)	Pedestrian Demand (Ped/hr)
16:45-17:00	1	274	274	3.76
	2	223	223	
	3	48	48	3.76
	4	472	472	3.76
	5	11	11	
17:00-17:15	1	327	327	4.49
	2	266	266	
	3	58	58	4.49
	4	564	564	4.49
	5	13	13	
17:15-17:30	1	401	401	5.51
	2	326	326	
	3	70	70	5.51
	4	690	690	5.51
	5	17	17	
17:30-17:45	1	401	401	5.51
	2	326	326	
	3	70	70	5.51
	4	690	690	5.51
	5	17	17	
17:45-18:00	1	327	327	4.49
	2	266	266	
	3	58	58	4.49
	4	564	564	4.49
	5	13	13	
18:00-18:15	1	274	274	3.76
	2	223	223	
	3	48	48	3.76
	4	472	472	3.76
	5	11	11	

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	0.44	7.02	0.8	A
2	0.31	5.08	0.5	A
3	0.06	3.25	0.1	A
4	0.56	6.83	1.3	A
5	0.02	5.16	0.0	A

Main Results for each time segment

16:45 - 17:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	274	222	3.76	965	0.284	272	0.4	5.183	A
2	223	255		1107	0.201	222	0.3	4.121	A
3	48	398	3.76	1286	0.037	48	0.0	2.907	A
4	472	80	3.76	1244	0.379	470	0.6	4.691	A
5	11	537		844	0.013	11	0.0	4.321	A

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17:00 - 17:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	327	266	4.49	944	0.347	327	0.5	5.831	A
2	266	305		1080	0.246	266	0.3	4.481	A
3	58	477	4.49	1240	0.046	57	0.0	3.043	A
4	564	96	4.49	1236	0.456	563	0.8	5.410	A
5	13	644		789	0.017	13	0.0	4.639	A

17:15 - 17:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	401	325	5.51	914	0.439	400	0.8	6.990	A
2	326	373		1045	0.312	325	0.5	5.071	A
3	70	583	5.51	1178	0.060	70	0.1	3.248	A
4	690	118	5.51	1224	0.564	689	1.3	6.781	A
5	17	788		715	0.023	16	0.0	5.152	A

17:30 - 17:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	401	326	5.51	914	0.439	401	0.8	7.020	A
2	326	374		1044	0.312	326	0.5	5.080	A
3	70	585	5.51	1178	0.060	70	0.1	3.250	A
4	690	118	5.51	1224	0.564	690	1.3	6.827	A
5	17	789		714	0.023	17	0.0	5.160	A

17:45 - 18:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	327	267	4.49	943	0.347	328	0.5	5.867	A
2	266	307		1079	0.247	267	0.3	4.492	A
3	58	478	4.49	1239	0.046	58	0.0	3.048	A
4	564	96	4.49	1236	0.456	565	0.9	5.453	A
5	13	646		788	0.017	14	0.0	4.650	A

18:00 - 18:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	274	223	3.76	965	0.284	275	0.4	5.220	A
2	223	256		1106	0.202	223	0.3	4.138	A
3	48	400	3.76	1285	0.038	48	0.0	2.911	A
4	472	81	3.76	1244	0.379	473	0.6	4.735	A
5	11	541		842	0.013	11	0.0	4.331	A

D3 - 2029 | Base | AM

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Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		1, 2, 3, 4, 5	6.64	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	6.64	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)
D3	2029	Base	AM	ONE HOUR	07:45	09:15	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1		✓	518	100.000
2		✓	156	100.000
3		✓	167	100.000
4		✓	493	100.000
5		✓	26	100.000

Demand overview (Pedestrians)

Arm	Average pedestrian flow (Ped/hr)
1	5.00
2	
3	5.00
4	5.00
5	

Origin-Destination Data

Demand (PCU/hr)

		To				
		1	2	3	4	5
From	1	0	38	29	449	2
	2	47	0	7	100	2
	3	28	17	0	121	1
	4	302	154	35	0	2
	5	8	1	5	12	0

Vehicle Mix

Heavy Vehicle %

		To				
		1	**2**	**3**	**4**	**5**
From	**1**	50	0	0	0.22	0
	2	0	0	0	2	0
	3	0	0	0	0	0
	4	1	5	0	0	0
	5	0	0	0	0	0

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Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)	Pedestrian Demand (Ped/hr)
07:45-08:00	**1**	390	390	3.76
	2	117	117	
	3	126	126	3.76
	4	371	371	3.76
	5	20	20	
08:00-08:15	**1**	466	466	4.49
	2	140	140	
	3	150	150	4.49
	4	443	443	4.49
	5	23	23	
08:15-08:30	**1**	570	570	5.51
	2	172	172	
	3	184	184	5.51
	4	543	543	5.51
	5	29	29	
08:30-08:45	**1**	570	570	5.51
	2	172	172	
	3	184	184	5.51
	4	543	543	5.51
	5	29	29	
08:45-09:00	**1**	466	466	4.49
	2	140	140	
	3	150	150	4.49
	4	443	443	4.49
	5	23	23	
09:00-09:15	**1**	390	390	3.76
	2	117	117	
	3	126	126	3.76
	4	371	371	3.76
	5	20	20	

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	0.60	9.42	1.5	A
2	0.18	4.79	0.2	A
3	0.16	3.82	0.2	A
4	0.44	5.36	0.8	A
5	0.04	4.73	0.0	A

Main Results for each time segment

07:45 - 08:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	390	168	3.76	992	0.393	387	0.6	5.938	A
2	117	398		1032	0.114	117	0.1	3.994	A
3	126	458	3.76	1251	0.100	125	0.1	3.195	A
4	371	73	3.76	1248	0.297	369	0.4	4.183	A
5	20	437		896	0.022	19	0.0	4.107	A

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08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	466	201	4.49	976	0.477	465	0.9	7.043	A
2	140	477		991	0.142	140	0.2	4.298	A
3	150	549	4.49	1198	0.125	150	0.1	3.433	A
4	443	87	4.49	1241	0.357	443	0.6	4.611	A
5	23	523		851	0.027	23	0.0	4.347	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	570	246	5.51	953	0.598	568	1.5	9.311	A
2	172	584		935	0.184	172	0.2	4.786	A
3	184	672	5.51	1127	0.163	184	0.2	3.815	A
4	543	107	5.51	1230	0.441	542	0.8	5.341	A
5	29	641		791	0.036	29	0.0	4.723	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	570	247	5.51	953	0.598	570	1.5	9.418	A
2	172	586		934	0.184	172	0.2	4.794	A
3	184	674	5.51	1126	0.163	184	0.2	3.820	A
4	543	107	5.51	1230	0.441	543	0.8	5.356	A
5	29	642		790	0.036	29	0.0	4.726	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	466	202	4.49	975	0.477	468	0.9	7.138	A
2	140	480		989	0.142	140	0.2	4.310	A
3	150	552	4.49	1196	0.125	150	0.1	3.443	A
4	443	87	4.49	1240	0.357	444	0.6	4.630	A
5	23	525		850	0.027	23	0.0	4.352	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	390	169	3.76	992	0.393	391	0.7	6.016	A
2	117	402		1030	0.114	118	0.1	4.008	A
3	126	462	3.76	1249	0.101	126	0.1	3.205	A
4	371	73	3.76	1248	0.297	372	0.4	4.205	A
5	20	440		895	0.022	20	0.0	4.115	A

D4 - 2029 | Base | PM

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Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		1, 2, 3, 4, 5	6.69	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	6.69	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)
D4	2029	Base	PM	ONE HOUR	16:45	18:15	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1		✓	381	100.000
2		✓	311	100.000
3		✓	68	100.000
4		✓	657	100.000
5		✓	15	100.000

Demand overview (Pedestrians)

Arm	Average pedestrian flow (Ped/hr)
1	5.00
2	
3	5.00
4	5.00
5	

Origin-Destination Data

Demand (PCU/hr)

		To				
		1	2	3	4	5
From	1	0	80	47	252	2
	2	79	0	14	216	2
	3	18	11	0	38	1
	4	353	243	48	0	13
	5	7	2	1	5	0

Vehicle Mix

Heavy Vehicle %

		To				
		1	**2**	**3**	**4**	**5**
From	**1**	0	0	0	0	0
	2	0	0	0	2	0
	3	0	0	0	0	0
	4	1	2	0	0	0
	5	0	0	0	0	0

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Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)	Pedestrian Demand (Ped/hr)
16:45-17:00	**1**	287	287	3.76
	2	234	234	
	3	51	51	3.76
	4	495	495	3.76
	5	11	11	
17:00-17:15	**1**	343	343	4.49
	2	280	280	
	3	61	61	4.49
	4	591	591	4.49
	5	13	13	
17:15-17:30	**1**	419	419	5.51
	2	342	342	
	3	75	75	5.51
	4	723	723	5.51
	5	17	17	
17:30-17:45	**1**	419	419	5.51
	2	342	342	
	3	75	75	5.51
	4	723	723	5.51
	5	17	17	
17:45-18:00	**1**	343	343	4.49
	2	280	280	
	3	61	61	4.49
	4	591	591	4.49
	5	13	13	
18:00-18:15	**1**	287	287	3.76
	2	234	234	
	3	51	51	3.76
	4	495	495	3.76
	5	11	11	

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	0.46	7.40	0.9	A
2	0.33	5.26	0.5	A
3	0.06	3.31	0.1	A
4	0.59	7.33	1.5	A
5	0.02	5.31	0.0	A

Main Results for each time segment

16:45 - 17:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	287	232	3.76	960	0.299	285	0.4	5.320	A
2	234	266		1101	0.213	233	0.3	4.201	A
3	51	416	3.76	1275	0.040	51	0.0	2.940	A
4	495	85	3.76	1242	0.398	492	0.7	4.846	A
5	11	563		831	0.014	11	0.0	4.392	A

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17:00 - 17:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	343	278	4.49	937	0.365	342	0.6	6.040	A
2	280	319		1073	0.261	279	0.4	4.594	A
3	61	499	4.49	1227	0.050	61	0.1	3.086	A
4	591	101	4.49	1233	0.479	590	0.9	5.657	A
5	13	675		773	0.017	13	0.0	4.738	A

17:15 - 17:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	419	340	5.51	906	0.463	418	0.8	7.362	A
2	342	390		1036	0.330	342	0.5	5.252	A
3	75	611	5.51	1162	0.064	75	0.1	3.309	A
4	723	124	5.51	1221	0.593	721	1.4	7.267	A
5	17	826		695	0.024	16	0.0	5.302	A

17:30 - 17:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	419	341	5.51	906	0.463	419	0.9	7.401	A
2	342	391		1036	0.331	342	0.5	5.264	A
3	75	612	5.51	1162	0.064	75	0.1	3.311	A
4	723	124	5.51	1221	0.593	723	1.5	7.326	A
5	17	828		694	0.024	17	0.0	5.311	A

17:45 - 18:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	343	280	4.49	937	0.366	344	0.6	6.084	A
2	280	320		1072	0.261	280	0.4	4.609	A
3	61	501	4.49	1226	0.050	61	0.1	3.089	A
4	591	102	4.49	1233	0.479	593	0.9	5.715	A
5	13	678		771	0.017	14	0.0	4.751	A

18:00 - 18:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	287	234	3.76	959	0.299	287	0.4	5.362	A
2	234	268		1100	0.213	234	0.3	4.219	A
3	51	419	3.76	1274	0.040	51	0.0	2.946	A
4	495	85	3.76	1242	0.398	496	0.7	4.894	A
5	11	567		829	0.014	11	0.0	4.405	A

D5 - 2029 | Base + Comm & Prop | AM

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Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		1, 2, 3, 4, 5	9.74	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	9.74	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)
D5	2029	Base + Comm & Prop	AM	ONE HOUR	07:45	09:15	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1		✓	630	100.000
2		✓	172	100.000
3		✓	203	100.000
4		✓	573	100.000
5		✓	35	100.000

Demand overview (Pedestrians)

Arm	Average pedestrian flow (Ped/hr)
1	5.00
2	
3	5.00
4	5.00
5	

Origin-Destination Data

Demand (PCU/hr)

		To				
		1	2	3	4	5
From	1	0	42	81	505	2
	2	51	0	19	100	2
	3	36	20	0	146	1
	4	325	154	92	0	2
	5	9	1	13	12	0

Vehicle Mix

Heavy Vehicle %

		To				
		1	**2**	**3**	**4**	**5**
From	**1**	50	0	0	0	0
	2	0	0	0	2	0
	3	0	0	0	0	0
	4	1	5	0	0	0
	5	0	0	0	0	0

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Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)	Pedestrian Demand (Ped/hr)
07:45-08:00	**1**	474	474	3.76
	2	129	129	
	3	153	153	3.76
	4	431	431	3.76
	5	26	26	
08:00-08:15	**1**	566	566	4.49
	2	155	155	
	3	182	182	4.49
	4	515	515	4.49
	5	31	31	
08:15-08:30	**1**	694	694	5.51
	2	189	189	
	3	224	224	5.51
	4	631	631	5.51
	5	39	39	
08:30-08:45	**1**	694	694	5.51
	2	189	189	
	3	224	224	5.51
	4	631	631	5.51
	5	39	39	
08:45-09:00	**1**	566	566	4.49
	2	155	155	
	3	182	182	4.49
	4	515	515	4.49
	5	31	31	
09:00-09:15	**1**	474	474	3.76
	2	129	129	
	3	153	153	3.76
	4	431	431	3.76
	5	26	26	

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	0.76	16.11	3.0	C
2	0.23	5.64	0.3	A
3	0.21	4.17	0.3	A
4	0.52	6.21	1.1	A
5	0.05	5.16	0.1	A

Main Results for each time segment

07:45 - 08:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	474	219	3.76	967	0.491	471	0.9	7.198	A
2	129	527		965	0.134	129	0.2	4.354	A
3	153	502	3.76	1225	0.125	152	0.1	3.352	A
4	431	84	3.76	1242	0.347	429	0.5	4.499	A
5	26	508		859	0.031	26	0.0	4.321	A

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08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	566	262	4.49	945	0.599	564	1.5	9.397	A
2	155	632		910	0.170	154	0.2	4.817	A
3	182	602	4.49	1167	0.156	182	0.2	3.654	A
4	515	101	4.49	1233	0.418	514	0.7	5.095	A
5	31	609		807	0.039	31	0.0	4.639	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	694	321	5.51	916	0.757	688	2.9	15.383	C
2	189	770		838	0.226	189	0.3	5.610	A
3	224	735	5.51	1090	0.205	223	0.3	4.151	A
4	631	123	5.51	1221	0.517	629	1.1	6.180	A
5	39	745		737	0.052	38	0.1	5.153	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	694	321	5.51	916	0.758	693	3.0	16.110	C
2	189	776		835	0.227	189	0.3	5.639	A
3	224	740	5.51	1088	0.206	224	0.3	4.165	A
4	631	123	5.51	1221	0.517	631	1.1	6.210	A
5	39	746		736	0.052	39	0.1	5.159	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	566	263	4.49	945	0.599	572	1.5	9.811	A
2	155	640		906	0.171	155	0.2	4.850	A
3	182	609	4.49	1163	0.157	183	0.2	3.674	A
4	515	101	4.49	1233	0.418	516	0.7	5.126	A
5	31	611		806	0.039	32	0.0	4.649	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	474	220	3.76	966	0.491	477	1.0	7.386	A
2	129	533		962	0.135	130	0.2	4.378	A
3	153	508	3.76	1222	0.125	153	0.1	3.369	A
4	431	84	3.76	1242	0.347	432	0.5	4.534	A
5	26	511		858	0.031	26	0.0	4.330	A

D6 - 2029 | Base + Comm & Prop | PM

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Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		1, 2, 3, 4, 5	7.91	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	7.91	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)
D6	2029	Base + Comm & Prop	PM	ONE HOUR	16:45	18:15	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1		✓	433	100.000
2		✓	326	100.000
3		✓	192	100.000
4		✓	727	100.000
5		✓	16	100.000

Demand overview (Pedestrians)

Arm	Average pedestrian flow (Ped/hr)
1	5.00
2	
3	5.00
4	5.00
5	

Origin-Destination Data

Demand (PCU/hr)

		To				
		1	2	3	4	5
From	1	0	89	68	274	2
	2	90	0	18	216	2
	3	52	28	0	109	3
	4	407	243	64	0	13
	5	8	2	1	5	0

Vehicle Mix

Heavy Vehicle %

		To				
		1	**2**	**3**	**4**	**5**
From	**1**	0	0	0	0	0
	2	0	0	0	2	0
	3	0	0	0	0	0
	4	1	2	0	0	0
	5	0	0	0	0	0

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Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)	Pedestrian Demand (Ped/hr)
16:45-17:00	**1**	326	326	3.76
	2	245	245	
	3	145	145	3.76
	4	547	547	3.76
	5	12	12	
17:00-17:15	**1**	389	389	4.49
	2	293	293	
	3	173	173	4.49
	4	654	654	4.49
	5	14	14	
17:15-17:30	**1**	477	477	5.51
	2	359	359	
	3	211	211	5.51
	4	800	800	5.51
	5	18	18	
17:30-17:45	**1**	477	477	5.51
	2	359	359	
	3	211	211	5.51
	4	800	800	5.51
	5	18	18	
17:45-18:00	**1**	389	389	4.49
	2	293	293	
	3	173	173	4.49
	4	654	654	4.49
	5	14	14	
18:00-18:15	**1**	326	326	3.76
	2	245	245	
	3	145	145	3.76
	4	547	547	3.76
	5	12	12	

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	0.54	8.76	1.1	A
2	0.36	5.67	0.6	A
3	0.19	3.87	0.2	A
4	0.68	9.51	2.1	A
5	0.03	5.98	0.0	A

Main Results for each time segment

16:45 - 17:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	326	257	3.76	948	0.344	324	0.5	5.751	A
2	245	310		1078	0.228	244	0.3	4.369	A
3	145	441	3.76	1261	0.115	144	0.1	3.221	A
4	547	133	3.76	1216	0.450	544	0.8	5.395	A
5	12	662		780	0.015	12	0.0	4.687	A

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17:00 - 17:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	389	308	4.49	923	0.422	388	0.7	6.730	A
2	293	371		1046	0.280	293	0.4	4.841	A
3	173	529	4.49	1210	0.143	172	0.2	3.468	A
4	654	159	4.49	1202	0.544	652	1.2	6.605	A
5	14	793		712	0.020	14	0.0	5.158	A

17:15 - 17:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	477	376	5.51	888	0.537	475	1.1	8.673	A
2	359	454		1003	0.358	358	0.6	5.654	A
3	211	647	5.51	1142	0.185	211	0.2	3.868	A
4	800	195	5.51	1183	0.676	797	2.1	9.346	A
5	18	970		621	0.028	18	0.0	5.964	A

17:30 - 17:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	477	378	5.51	888	0.537	477	1.1	8.755	A
2	359	456		1002	0.358	359	0.6	5.673	A
3	211	648	5.51	1141	0.185	211	0.2	3.874	A
4	800	195	5.51	1183	0.676	800	2.1	9.508	A
5	18	973		619	0.028	18	0.0	5.982	A

17:45 - 18:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	389	310	4.49	921	0.422	391	0.7	6.807	A
2	293	374		1044	0.281	294	0.4	4.864	A
3	173	531	4.49	1209	0.143	173	0.2	3.478	A
4	654	159	4.49	1202	0.544	657	1.2	6.725	A
5	14	798		709	0.020	14	0.0	5.181	A

18:00 - 18:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	326	259	3.76	947	0.344	327	0.5	5.813	A
2	245	312		1076	0.228	246	0.3	4.393	A
3	145	444	3.76	1259	0.115	145	0.1	3.232	A
4	547	133	3.76	1216	0.450	549	0.8	5.475	A
5	12	667		777	0.016	12	0.0	4.706	A

D7 - 2044 | Base | AM

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Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		1, 2, 3, 4, 5	8.22	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	8.22	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)
D7	2044	Base	AM	ONE HOUR	07:45	09:15	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1		✓	591	100.000
2		✓	178	100.000
3		✓	190	100.000
4		✓	565	100.000
5		✓	29	100.000

Demand overview (Pedestrians)

Arm	Average pedestrian flow (Ped/hr)
1	5.00
2	
3	5.00
4	5.00
5	

Origin-Destination Data

Demand (PCU/hr)

		To				
		1	2	3	4	5
From	1	0	43	34	512	2
	2	55	0	8	113	2
	3	32	19	0	137	2
	4	348	176	39	0	2
	5	9	1	6	13	0

Vehicle Mix

Heavy Vehicle %

		To				
		1	**2**	**3**	**4**	**5**
From	**1**	50	0	0	0	0
	2	0	0	0	2	0
	3	0	0	0	0	0
	4	1	5	0	0	0
	5	0	0	0	0	0

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Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)	Pedestrian Demand (Ped/hr)
07:45-08:00	**1**	445	445	3.76
	2	134	134	
	3	143	143	3.76
	4	425	425	3.76
	5	22	22	
08:00-08:15	**1**	531	531	4.49
	2	160	160	
	3	171	171	4.49
	4	508	508	4.49
	5	26	26	
08:15-08:30	**1**	651	651	5.51
	2	196	196	
	3	209	209	5.51
	4	622	622	5.51
	5	32	32	
08:30-08:45	**1**	651	651	5.51
	2	196	196	
	3	209	209	5.51
	4	622	622	5.51
	5	32	32	
08:45-09:00	**1**	531	531	4.49
	2	160	160	
	3	171	171	4.49
	4	508	508	4.49
	5	26	26	
09:00-09:15	**1**	445	445	3.76
	2	134	134	
	3	143	143	3.76
	4	425	425	3.76
	5	22	22	

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	0.69	12.56	2.2	B
2	0.22	5.24	0.3	A
3	0.20	4.17	0.2	A
4	0.51	6.13	1.1	A
5	0.04	5.07	0.0	A

Main Results for each time segment

07:45 - 08:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	445	190	3.76	981	0.454	442	0.8	6.634	A
2	134	453		1003	0.134	133	0.2	4.188	A
3	143	521	3.76	1214	0.118	143	0.1	3.356	A
4	425	84	3.76	1242	0.342	423	0.5	4.477	A
5	22	501		863	0.025	22	0.0	4.280	A

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08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	531	228	4.49	962	0.552	530	1.2	8.292	A
2	160	543		956	0.167	160	0.2	4.576	A
3	171	625	4.49	1154	0.148	171	0.2	3.659	A
4	508	101	4.49	1233	0.412	507	0.7	5.057	A
5	26	601		812	0.032	26	0.0	4.582	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	651	279	5.51	937	0.695	647	2.2	12.246	B
2	196	663		894	0.219	196	0.3	5.220	A
3	209	764	5.51	1074	0.195	209	0.2	4.162	A
4	622	123	5.51	1221	0.509	621	1.0	6.107	A
5	32	735		742	0.043	32	0.0	5.068	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	651	280	5.51	937	0.695	651	2.2	12.563	B
2	196	667		892	0.220	196	0.3	5.238	A
3	209	767	5.51	1072	0.195	209	0.2	4.174	A
4	622	123	5.51	1221	0.509	622	1.1	6.135	A
5	32	737		741	0.043	32	0.0	5.073	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	531	229	4.49	962	0.552	535	1.3	8.513	A
2	160	548		953	0.168	160	0.2	4.597	A
3	171	630	4.49	1151	0.148	171	0.2	3.676	A
4	508	101	4.49	1233	0.412	509	0.7	5.089	A
5	26	603		810	0.032	26	0.0	4.590	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	445	192	3.76	980	0.454	447	0.8	6.763	A
2	134	458		1001	0.134	134	0.2	4.207	A
3	143	526	3.76	1211	0.118	143	0.1	3.372	A
4	425	84	3.76	1242	0.342	426	0.5	4.512	A
5	22	505		861	0.025	22	0.0	4.289	A

D8 - 2044 | Base | PM

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Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		1, 2, 3, 4, 5	8.14	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	8.14	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)
D8	2044	Base	PM	ONE HOUR	16:45	18:15	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1		✓	432	100.000
2		✓	352	100.000
3		✓	77	100.000
4		✓	746	100.000
5		✓	17	100.000

Demand overview (Pedestrians)

Arm	Average pedestrian flow (Ped/hr)
1	5.00
2	
3	5.00
4	5.00
5	

Origin-Destination Data

Demand (PCU/hr)

		To				
		1	2	3	4	5
From	1	0	90	53	287	2
	2	90	0	15	245	2
	3	21	12	0	43	1
	4	400	276	56	0	14
	5	8	2	1	6	0

Vehicle Mix

Heavy Vehicle %

		To				
		1	**2**	**3**	**4**	**5**
From	**1**	0	0	0	0	0
	2	0	0	0	2	0
	3	0	0	0	0	0
	4	1	2	0	0	0
	5	0	0	0	0	0

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Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)	Pedestrian Demand (Ped/hr)
16:45-17:00	**1**	325	325	3.76
	2	265	265	
	3	58	58	3.76
	4	562	562	3.76
	5	13	13	
17:00-17:15	**1**	388	388	4.49
	2	316	316	
	3	69	69	4.49
	4	671	671	4.49
	5	15	15	
17:15-17:30	**1**	476	476	5.51
	2	388	388	
	3	85	85	5.51
	4	821	821	5.51
	5	19	19	
17:30-17:45	**1**	476	476	5.51
	2	388	388	
	3	85	85	5.51
	4	821	821	5.51
	5	19	19	
17:45-18:00	**1**	388	388	4.49
	2	316	316	
	3	69	69	4.49
	4	671	671	4.49
	5	15	15	
18:00-18:15	**1**	325	325	3.76
	2	265	265	
	3	58	58	3.76
	4	562	562	3.76
	5	13	13	

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	0.54	8.85	1.2	A
2	0.38	5.89	0.6	A
3	0.08	3.50	0.1	A
4	0.68	9.32	2.1	A
5	0.03	5.83	0.0	A

Main Results for each time segment

16:45 - 17:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	325	264	3.76	944	0.344	323	0.5	5.778	A
2	265	303		1081	0.245	264	0.3	4.456	A
3	58	473	3.76	1242	0.047	58	0.0	3.038	A
4	562	96	3.76	1236	0.454	558	0.8	5.355	A
5	13	640		791	0.016	13	0.0	4.624	A

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17:00 - 17:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	388	317	4.49	918	0.423	388	0.7	6.785	A
2	316	363		1050	0.301	316	0.4	4.969	A
3	69	567	4.49	1188	0.058	69	0.1	3.217	A
4	671	115	4.49	1226	0.547	669	1.2	6.533	A
5	15	767		726	0.021	15	0.0	5.067	A

17:15 - 17:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	476	387	5.51	883	0.539	474	1.1	8.764	A
2	388	444		1008	0.385	387	0.6	5.870	A
3	85	694	5.51	1114	0.076	85	0.1	3.496	A
4	821	141	5.51	1212	0.678	818	2.1	9.168	A
5	19	938		638	0.029	19	0.0	5.816	A

17:30 - 17:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	476	389	5.51	882	0.539	476	1.2	8.850	A
2	388	446		1007	0.385	388	0.6	5.892	A
3	85	696	5.51	1113	0.076	85	0.1	3.499	A
4	821	141	5.51	1212	0.678	821	2.1	9.323	A
5	19	941		636	0.029	19	0.0	5.833	A

17:45 - 18:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	388	319	4.49	917	0.424	390	0.7	6.854	A
2	316	366		1049	0.302	317	0.4	4.994	A
3	69	570	4.49	1186	0.058	69	0.1	3.222	A
4	671	115	4.49	1226	0.547	674	1.2	6.650	A
5	15	772		723	0.021	15	0.0	5.088	A

18:00 - 18:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	325	266	3.76	943	0.345	326	0.5	5.844	A
2	265	306		1080	0.245	265	0.3	4.484	A
3	58	477	3.76	1240	0.047	58	0.0	3.044	A
4	562	97	3.76	1236	0.455	563	0.9	5.434	A
5	13	645		788	0.016	13	0.0	4.641	A

D9 - 2044 | Base + Comm | AM

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Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		1, 2, 3, 4, 5	12.40	B

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	12.40	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)
D9	2044	Base + Comm	AM	ONE HOUR	07:45	09:15	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1		✓	672	100.000
2		✓	192	100.000
3		✓	224	100.000
4		✓	635	100.000
5		✓	38	100.000

Demand overview (Pedestrians)

Arm	Average pedestrian flow (Ped/hr)
1	5.00
2	
3	5.00
4	5.00
5	

Origin-Destination Data

Demand (PCU/hr)

		To				
		1	2	3	4	5
From	1	0	45	84	540	3
	2	57	0	20	113	2
	3	39	22	0	162	1
	4	360	176	97	0	2
	5	10	1	14	13	0

Vehicle Mix

Heavy Vehicle %

		To				
		1	**2**	**3**	**4**	**5**
From	**1**	50	0	0	0	0
	2	0	0	0	2	0
	3	0	0	0	0	0
	4	1	5	0	0	0
	5	0	0	0	0	0

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Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)	Pedestrian Demand (Ped/hr)
07:45-08:00	**1**	506	506	3.76
	2	145	145	
	3	169	169	3.76
	4	478	478	3.76
	5	29	29	
08:00-08:15	**1**	604	604	4.49
	2	173	173	
	3	201	201	4.49
	4	571	571	4.49
	5	34	34	
08:15-08:30	**1**	740	740	5.51
	2	211	211	
	3	247	247	5.51
	4	699	699	5.51
	5	42	42	
08:30-08:45	**1**	740	740	5.51
	2	211	211	
	3	247	247	5.51
	4	699	699	5.51
	5	42	42	
08:45-09:00	**1**	604	604	4.49
	2	173	173	
	3	201	201	4.49
	4	571	571	4.49
	5	34	34	
09:00-09:15	**1**	506	506	3.76
	2	145	145	
	3	169	169	3.76
	4	478	478	3.76
	5	29	29	

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	0.82	22.21	4.4	C
2	0.26	6.09	0.4	A
3	0.23	4.47	0.3	A
4	0.58	7.12	1.4	A
5	0.06	5.51	0.1	A

Main Results for each time segment

07:45 - 08:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	506	242	3.76	955	0.530	501	1.1	7.857	A
2	145	561		947	0.153	144	0.2	4.530	A
3	169	544	3.76	1201	0.140	168	0.2	3.482	A
4	478	93	3.76	1237	0.386	476	0.6	4.800	A
5	29	562		831	0.034	28	0.0	4.485	A

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08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	604	290	4.49	931	0.649	601	1.8	10.814	B
2	173	672		889	0.194	172	0.2	5.081	A
3	201	652	4.49	1139	0.177	201	0.2	3.839	A
4	571	111	4.49	1228	0.465	570	0.9	5.569	A
5	34	674		774	0.044	34	0.0	4.867	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	740	355	5.51	899	0.823	730	4.1	20.280	C
2	211	818		813	0.260	211	0.4	6.043	A
3	247	794	5.51	1056	0.234	246	0.3	4.443	A
4	699	136	5.51	1214	0.576	697	1.4	7.066	A
5	42	825		696	0.060	42	0.1	5.503	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	740	356	5.51	899	0.823	739	4.4	22.211	C
2	211	826		809	0.261	211	0.4	6.094	A
3	247	801	5.51	1052	0.234	247	0.3	4.470	A
4	699	137	5.51	1214	0.576	699	1.4	7.121	A
5	42	827		695	0.060	42	0.1	5.512	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	604	291	4.49	931	0.649	614	1.9	11.693	B
2	173	685		883	0.196	173	0.2	5.137	A
3	201	663	4.49	1132	0.178	202	0.2	3.871	A
4	571	112	4.49	1227	0.465	573	0.9	5.619	A
5	34	677		772	0.044	34	0.0	4.879	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	506	244	3.76	955	0.530	509	1.1	8.135	A
2	145	568		943	0.153	145	0.2	4.565	A
3	169	551	3.76	1197	0.141	169	0.2	3.500	A
4	478	94	3.76	1237	0.386	479	0.6	4.845	A
5	29	567		829	0.035	29	0.0	4.499	A

D10 - 2044 | Base + Comm | PM

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Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		1, 2, 3, 4, 5	9.37	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	9.37	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)
D10	2044	Base + Comm	PM	ONE HOUR	16:45	18:15	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1		✓	470	100.000
2		✓	362	100.000
3		✓	200	100.000
4		✓	786	100.000
5		✓	18	100.000

Demand overview (Pedestrians)

Arm	Average pedestrian flow (Ped/hr)
1	5.00
2	
3	5.00
4	5.00
5	

Origin-Destination Data

Demand (PCU/hr)

		To				
		1	2	3	4	5
From	1	0	95	72	301	2
	2	95	0	20	245	2
	3	53	30	0	114	3
	4	425	276	71	0	14
	5	9	2	1	6	0

Vehicle Mix

Heavy Vehicle %

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

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Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)	Pedestrian Demand (Ped/hr)
16:45-17:00	1	354	354	3.76
	2	273	273	
	3	151	151	3.76
	4	592	592	3.76
	5	14	14	
17:00-17:15	1	423	423	4.49
	2	325	325	
	3	180	180	4.49
	4	707	707	4.49
	5	16	16	
17:15-17:30	1	517	517	5.51
	2	399	399	
	3	220	220	5.51
	4	865	865	5.51
	5	20	20	
17:30-17:45	1	517	517	5.51
	2	399	399	
	3	220	220	5.51
	4	865	865	5.51
	5	20	20	
17:45-18:00	1	423	423	4.49
	2	325	325	
	3	180	180	4.49
	4	707	707	4.49
	5	16	16	
18:00-18:15	1	354	354	3.76
	2	273	273	
	3	151	151	3.76
	4	592	592	3.76
	5	14	14	

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	0.60	10.38	1.5	B
2	0.41	6.28	0.7	A
3	0.20	4.09	0.2	A
4	0.73	11.61	2.7	B
5	0.03	6.40	0.0	A

Main Results for each time segment

16:45 - 17:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	354	289	3.76	932	0.380	351	0.6	6.174	A
2	273	339		1063	0.256	271	0.3	4.602	A
3	151	487	3.76	1234	0.122	150	0.1	3.318	A
4	592	139	3.76	1213	0.488	588	1.0	5.795	A
5	14	711		755	0.018	13	0.0	4.857	A

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17:00 - 17:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	423	346	4.49	903	0.468	421	0.9	7.453	A
2	325	406		1028	0.317	325	0.5	5.189	A
3	180	584	4.49	1178	0.153	180	0.2	3.605	A
4	707	166	4.49	1199	0.590	705	1.4	7.352	A
5	16	852		682	0.024	16	0.0	5.407	A

17:15 - 17:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	517	423	5.51	865	0.598	515	1.4	10.214	B
2	399	496		981	0.406	398	0.7	6.250	A
3	220	714	5.51	1102	0.200	220	0.2	4.079	A
4	865	203	5.51	1179	0.734	860	2.7	11.272	B
5	20	1041		584	0.034	20	0.0	6.375	A

17:30 - 17:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	517	425	5.51	864	0.599	517	1.5	10.376	B
2	399	499		979	0.407	399	0.7	6.280	A
3	220	717	5.51	1101	0.200	220	0.2	4.086	A
4	865	204	5.51	1179	0.734	865	2.7	11.606	B
5	20	1046		582	0.034	20	0.0	6.404	A

17:45 - 18:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	423	349	4.49	902	0.469	425	0.9	7.581	A
2	325	410		1026	0.317	326	0.5	5.223	A
3	180	588	4.49	1176	0.153	180	0.2	3.617	A
4	707	167	4.49	1198	0.590	712	1.5	7.566	A
5	16	859		678	0.024	16	0.0	5.441	A

18:00 - 18:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	354	292	3.76	931	0.380	355	0.6	6.267	A
2	273	342		1061	0.257	273	0.4	4.634	A
3	151	491	3.76	1232	0.122	151	0.1	3.332	A
4	592	139	3.76	1213	0.488	594	1.0	5.907	A
5	14	717		751	0.018	14	0.0	4.879	A

D11 - 2044 | Base + Comm & Prop | AM

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Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		1, 2, 3, 4, 5	15.36	C

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	15.36	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)
D11	2044	Base + Comm & Prop	AM	ONE HOUR	07:45	09:15	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1		✓	703	100.000
2		✓	194	100.000
3		✓	225	100.000
4		✓	646	100.000
5		✓	54	100.000

Demand overview (Pedestrians)

Arm	Average pedestrian flow (Ped/hr)
1	5.00
2	
3	5.00
4	5.00
5	

Origin-Destination Data

Demand (PCU/hr)

		To				
		1	2	3	4	5
From	1	0	47	85	568	3
	2	59	0	20	113	2
	3	40	22	0	162	1
	4	371	176	97	0	2
	5	10	14	13	17	0

Vehicle Mix

Heavy Vehicle %

		To				
		1	**2**	**3**	**4**	**5**
From	**1**	50	0	0	0	0
	2	0	0	0	2	0
	3	0	0	0	0	0
	4	1	5	0	0	0
	5	0	0	0	0	0

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Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)	Pedestrian Demand (Ped/hr)
07:45-08:00	**1**	529	529	3.76
	2	146	146	
	3	169	169	3.76
	4	486	486	3.76
	5	41	41	
08:00-08:15	**1**	632	632	4.49
	2	174	174	
	3	202	202	4.49
	4	581	581	4.49
	5	49	49	
08:15-08:30	**1**	774	774	5.51
	2	214	214	
	3	248	248	5.51
	4	711	711	5.51
	5	59	59	
08:30-08:45	**1**	774	774	5.51
	2	214	214	
	3	248	248	5.51
	4	711	711	5.51
	5	59	59	
08:45-09:00	**1**	632	632	4.49
	2	174	174	
	3	202	202	4.49
	4	581	581	4.49
	5	49	49	
09:00-09:15	**1**	529	529	3.76
	2	146	146	
	3	169	169	3.76
	4	486	486	3.76
	5	41	41	

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	0.87	29.45	6.0	D
2	0.27	6.30	0.4	A
3	0.24	4.60	0.3	A
4	0.59	7.31	1.4	A
5	0.09	5.74	0.1	A

Main Results for each time segment

07:45 - 08:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	529	254	3.76	949	0.557	524	1.2	8.375	A
2	146	584		935	0.156	145	0.2	4.609	A
3	169	569	3.76	1187	0.143	169	0.2	3.534	A
4	486	95	3.76	1236	0.393	484	0.7	4.858	A
5	41	573		826	0.049	40	0.1	4.582	A

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08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	632	304	4.49	924	0.684	629	2.1	12.033	B
2	174	701		874	0.199	174	0.3	5.200	A
3	202	682	4.49	1121	0.180	202	0.2	3.916	A
4	581	114	4.49	1226	0.474	580	0.9	5.664	A
5	49	687		767	0.063	48	0.1	5.009	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	774	372	5.51	890	0.869	760	5.5	25.365	D
2	214	849		797	0.268	213	0.4	6.231	A
3	248	827	5.51	1036	0.239	247	0.3	4.561	A
4	711	140	5.51	1213	0.587	709	1.4	7.255	A
5	59	840		688	0.086	59	0.1	5.726	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	774	373	5.51	890	0.870	772	6.0	29.449	D
2	214	860		791	0.270	214	0.4	6.305	A
3	248	837	5.51	1030	0.240	248	0.3	4.599	A
4	711	140	5.51	1213	0.587	711	1.4	7.314	A
5	59	842		687	0.087	59	0.1	5.737	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	632	306	4.49	924	0.684	647	2.3	13.647	B
2	174	718		865	0.202	175	0.3	5.278	A
3	202	698	4.49	1112	0.182	203	0.2	3.961	A
4	581	114	4.49	1226	0.474	583	0.9	5.722	A
5	49	690		765	0.063	49	0.1	5.024	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	529	256	3.76	948	0.558	533	1.3	8.747	A
2	146	593		930	0.157	146	0.2	4.648	A
3	169	577	3.76	1182	0.143	170	0.2	3.555	A
4	486	96	3.76	1236	0.393	487	0.7	4.906	A
5	41	577		824	0.049	41	0.1	4.598	A

D12 - 2044 | Base + Comm & Prop | PM

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Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		1, 2, 3, 4, 5	10.20	B

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	10.20	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)
D12	2044	Base + Comm & Prop	PM	ONE HOUR	16:45	18:15	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1		✓	482	100.000
2		✓	368	100.000
3		✓	202	100.000
4		✓	815	100.000
5		✓	18	100.000

Demand overview (Pedestrians)

Arm	Average pedestrian flow (Ped/hr)
1	5.00
2	
3	5.00
4	5.00
5	

Origin-Destination Data

Demand (PCU/hr)

		To				
		1	2	3	4	5
From	1	0	97	74	308	3
	2	101	0	20	245	2
	3	55	30	0	114	3
	4	454	276	71	0	14
	5	9	2	1	6	0

Vehicle Mix

Heavy Vehicle %

		To				
		1	**2**	**3**	**4**	**5**
From	**1**	0	0	0	0	0
	2	0	0	0	2	0
	3	0	0	0	0	0
	4	1	2	0	0	0
	5	0	0	0	0	0

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Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)	Pedestrian Demand (Ped/hr)
16:45-17:00	**1**	363	363	3.76
	2	277	277	
	3	152	152	3.76
	4	614	614	3.76
	5	14	14	
17:00-17:15	**1**	433	433	4.49
	2	331	331	
	3	182	182	4.49
	4	733	733	4.49
	5	16	16	
17:15-17:30	**1**	531	531	5.51
	2	405	405	
	3	222	222	5.51
	4	897	897	5.51
	5	20	20	
17:30-17:45	**1**	531	531	5.51
	2	405	405	
	3	222	222	5.51
	4	897	897	5.51
	5	20	20	
17:45-18:00	**1**	433	433	4.49
	2	331	331	
	3	182	182	4.49
	4	733	733	4.49
	5	16	16	
18:00-18:15	**1**	363	363	3.76
	2	277	277	
	3	152	152	3.76
	4	614	614	3.76
	5	14	14	

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	0.61	10.78	1.6	B
2	0.42	6.41	0.7	A
3	0.20	4.14	0.3	A
4	0.76	13.15	3.2	B
5	0.04	6.65	0.0	A

Main Results for each time segment

16:45 - 17:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	363	289	3.76	932	0.389	360	0.6	6.270	A
2	277	346		1059	0.262	276	0.4	4.648	A
3	152	498	3.76	1228	0.124	152	0.1	3.342	A
4	614	145	3.76	1210	0.507	609	1.0	6.032	A
5	14	738		740	0.018	13	0.0	4.952	A

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17:00 - 17:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	433	346	4.49	903	0.480	432	0.9	7.620	A
2	331	415		1023	0.323	330	0.5	5.263	A
3	182	597	4.49	1171	0.155	181	0.2	3.638	A
4	733	174	4.49	1194	0.614	730	1.6	7.821	A
5	16	885		665	0.024	16	0.0	5.549	A

17:15 - 17:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	531	422	5.51	865	0.613	528	1.5	10.592	B
2	405	507		975	0.416	404	0.7	6.380	A
3	222	730	5.51	1093	0.203	222	0.3	4.130	A
4	897	213	5.51	1173	0.765	891	3.1	12.637	B
5	20	1080		564	0.035	20	0.0	6.615	A

17:30 - 17:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	531	425	5.51	864	0.614	531	1.6	10.784	B
2	405	510		974	0.416	405	0.7	6.415	A
3	222	732	5.51	1092	0.204	222	0.3	4.139	A
4	897	214	5.51	1173	0.765	897	3.2	13.147	B
5	20	1086		561	0.035	20	0.0	6.653	A

17:45 - 18:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	433	350	4.49	902	0.481	436	0.9	7.770	A
2	331	419		1021	0.324	332	0.5	5.300	A
3	182	600	4.49	1169	0.155	182	0.2	3.648	A
4	733	175	4.49	1194	0.614	739	1.6	8.115	A
5	16	894		660	0.025	16	0.0	5.589	A

18:00 - 18:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	363	292	3.76	931	0.390	364	0.6	6.369	A
2	277	350		1057	0.262	278	0.4	4.684	A
3	152	502	3.76	1226	0.124	152	0.1	3.356	A
4	614	146	3.76	1209	0.507	616	1.1	6.167	A
5	14	746		737	0.018	14	0.0	4.977	A

D13 - 2044 | Base + Comm & Prop & Masterplan | AM

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Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		1, 2, 3, 4, 5	23.72	C

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	23.72	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)
D13	2044	Base + Comm & Prop & Masterplan	AM	ONE HOUR	07:45	09:15	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1		✓	765	100.000
2		✓	203	100.000
3		✓	232	100.000
4		✓	709	100.000
5		✓	41	100.000

Demand overview (Pedestrians)

Arm	Average pedestrian flow (Ped/hr)
1	5.00
2	
3	5.00
4	5.00
5	

Origin-Destination Data

Demand (PCU/hr)

		To				
		1	2	3	4	5
From	1	0	52	89	621	3
	2	68	0	20	113	2
	3	46	22	0	162	2
	4	434	176	97	0	2
	5	12	2	14	13	0

Vehicle Mix

Heavy Vehicle %

		To				
		1	**2**	**3**	**4**	**5**
From	**1**	50	0	0	0	0
	2	0	0	0	2	0
	3	0	0	0	0	0
	4	1	5	0	0	0
	5	0	0	0	0	0

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Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)	Pedestrian Demand (Ped/hr)
07:45-08:00	**1**	576	576	3.76
	2	153	153	
	3	175	175	3.76
	4	534	534	3.76
	5	31	31	
08:00-08:15	**1**	688	688	4.49
	2	182	182	
	3	209	209	4.49
	4	637	637	4.49
	5	37	37	
08:15-08:30	**1**	842	842	5.51
	2	224	224	
	3	255	255	5.51
	4	781	781	5.51
	5	45	45	
08:30-08:45	**1**	842	842	5.51
	2	224	224	
	3	255	255	5.51
	4	781	781	5.51
	5	45	45	
08:45-09:00	**1**	688	688	4.49
	2	182	182	
	3	209	209	4.49
	4	637	637	4.49
	5	37	37	
09:00-09:15	**1**	576	576	3.76
	2	153	153	
	3	175	175	3.76
	4	534	534	3.76
	5	31	31	

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	0.94	48.83	10.7	E
2	0.29	6.75	0.4	A
3	0.26	4.86	0.3	A
4	0.65	8.67	1.9	A
5	0.07	6.02	0.1	A

Main Results for each time segment

07:45 - 08:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	576	243	3.76	955	0.603	570	1.5	9.215	A
2	153	624		914	0.167	152	0.2	4.771	A
3	175	612	3.76	1162	0.150	174	0.2	3.642	A
4	534	107	3.76	1230	0.434	531	0.8	5.219	A
5	31	631		796	0.039	31	0.0	4.794	A

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08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	688	291	4.49	931	0.739	683	2.7	14.233	B
2	182	748		850	0.215	182	0.3	5.450	A
3	209	733	4.49	1091	0.191	208	0.2	4.075	A
4	637	128	4.49	1219	0.523	636	1.1	6.278	A
5	37	756		731	0.050	37	0.1	5.184	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	842	356	5.51	899	0.937	817	8.9	36.215	E
2	224	898		772	0.290	223	0.4	6.626	A
3	255	882	5.51	1004	0.254	255	0.3	4.802	A
4	781	157	5.51	1203	0.649	778	1.8	8.552	A
5	45	925		644	0.070	45	0.1	6.009	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	842	357	5.51	898	0.938	835	10.7	48.829	E
2	224	915		763	0.293	223	0.4	6.751	A
3	255	897	5.51	995	0.257	255	0.3	4.865	A
4	781	157	5.51	1203	0.649	781	1.9	8.667	A
5	45	928		643	0.070	45	0.1	6.025	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	688	292	4.49	930	0.739	718	3.0	19.107	C
2	182	782		832	0.219	183	0.3	5.613	A
3	209	763	4.49	1074	0.194	209	0.2	4.162	A
4	637	129	4.49	1218	0.523	640	1.1	6.374	A
5	37	761		729	0.051	37	0.1	5.205	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	576	245	3.76	954	0.604	582	1.6	9.816	A
2	153	636		908	0.168	153	0.2	4.825	A
3	175	622	3.76	1156	0.151	175	0.2	3.673	A
4	534	108	3.76	1230	0.434	535	0.8	5.288	A
5	31	636		793	0.039	31	0.0	4.724	A

D14 - 2044 | Base + Comm & Prop & Masterplan | PM

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Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		1, 2, 3, 4, 5	17.80	C

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	17.80	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)
D14	2044	Base + Comm & Prop & Masterplan	PM	ONE HOUR	16:45	18:15	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1		✓	555	100.000
2		✓	395	100.000
3		✓	208	100.000
4		✓	936	100.000
5		✓	21	100.000

Demand overview (Pedestrians)

Arm	Average pedestrian flow (Ped/hr)
1	5.00
2	
3	5.00
4	5.00
5	

Origin-Destination Data

Demand (PCU/hr)

		To				
		1	2	3	4	5
From	1	0	112	83	357	3
	2	128	0	20	245	2
	3	61	30	0	114	3
	4	575	276	71	0	14
	5	12	2	1	6	0

Vehicle Mix

Heavy Vehicle %

		To				
		1	**2**	**3**	**4**	**5**
From	**1**	0	0	0	0	0
	2	0	0	0	2	0
	3	0	0	0	0	0
	4	1	2	0	0	0
	5	0	0	0	0	0

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Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)	Pedestrian Demand (Ped/hr)
16:45-17:00	**1**	418	418	3.76
	2	297	297	
	3	157	157	3.76
	4	705	705	3.76
	5	16	16	
17:00-17:15	**1**	499	499	4.49
	2	355	355	
	3	187	187	4.49
	4	841	841	4.49
	5	19	19	
17:15-17:30	**1**	611	611	5.51
	2	435	435	
	3	229	229	5.51
	4	1031	1031	5.51
	5	23	23	
17:30-17:45	**1**	611	611	5.51
	2	435	435	
	3	229	229	5.51
	4	1031	1031	5.51
	5	23	23	
17:45-18:00	**1**	499	499	4.49
	2	355	355	
	3	187	187	4.49
	4	841	841	4.49
	5	19	19	
18:00-18:15	**1**	418	418	3.76
	2	297	297	
	3	157	157	3.76
	4	705	705	3.76
	5	16	16	

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
1	0.71	14.14	2.3	B
2	0.46	7.20	0.9	A
3	0.22	4.42	0.3	A
4	0.89	27.64	7.4	D
5	0.05	7.98	0.1	A

Main Results for each time segment

16:45 - 17:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	418	288	3.76	932	0.448	415	0.8	6.913	A
2	297	389		1036	0.287	296	0.4	4.909	A
3	157	554	3.76	1195	0.131	156	0.2	3.462	A
4	705	170	3.76	1196	0.589	699	1.4	7.245	A
5	16	853		681	0.023	16	0.0	5.407	A

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17:00 - 17:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	499	345	4.49	904	0.552	497	1.2	8.821	A
2	355	467		996	0.357	354	0.6	5.676	A
3	187	665	4.49	1131	0.165	187	0.2	3.811	A
4	841	204	4.49	1178	0.714	837	2.4	10.553	B
5	19	1021		594	0.032	19	0.0	6.255	A

17:15 - 17:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	611	418	5.51	867	0.705	607	2.3	13.593	B
2	435	569		943	0.461	434	0.9	7.139	A
3	229	812	5.51	1046	0.219	229	0.3	4.404	A
4	1031	249	5.51	1154	0.893	1013	6.8	23.353	C
5	23	1239		482	0.048	23	0.0	7.843	A

17:30 - 17:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	611	424	5.51	865	0.707	611	2.3	14.144	B
2	435	573		941	0.462	435	0.9	7.205	A
3	229	816	5.51	1044	0.219	229	0.3	4.419	A
4	1031	250	5.51	1154	0.893	1028	7.4	27.642	D
5	23	1254		474	0.049	23	0.1	7.981	A

17:45 - 18:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	499	354	4.49	899	0.555	503	1.3	9.184	A
2	355	473		993	0.358	356	0.6	5.736	A
3	187	670	4.49	1128	0.166	187	0.2	3.826	A
4	841	205	4.49	1178	0.714	861	2.6	12.118	B
5	19	1045		582	0.032	19	0.0	6.396	A

18:00 - 18:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
1	418	292	3.76	930	0.449	420	0.8	7.076	A
2	297	394		1034	0.288	298	0.4	4.957	A
3	157	560	3.76	1192	0.131	157	0.2	3.476	A
4	705	171	3.76	1196	0.589	709	1.5	7.556	A
5	16	864		676	0.023	16	0.0	5.455	A