Junctions 9

ARCADY 9 - Roundabout Module

Version: 9.5.0.6896
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Filename: J06_A264 Faygate Ln.j9
Path: \\sdgworld.net\Data\London\Projects\237\4\73\05\Model\Local Junction Modelling\J06_Faygate Lane\J9
Report generation date: 24/06/2025 11:23:58

»2025, AM
»2025, PM
»2029_WithoutDevs, AM
»2029_WithoutDevs, PM
»2029_WithDevs, AM
»2029_WithDevs, PM
»2041_WithoutDevs, AM
»2041_WithoutDevs, PM
»2041_WithDevs, AM
»2041_WithDevs, PM

Summary of junction performance

	AM		PM	
	Queue (PCU)	RFC	Queue (PCU)	RFC
	2025			
3 - A264 CrawleyRd_West	253.3	1.26	101.2	1.09
4 - FaygateLn	0.9	0.44	1.7	0.64
1 - A264 CrawleyRd_East	24.5	0.97	142.8	1.12
2 - TowerRd	0.0	0.04	0.2	0.17
	2029_WithoutDevs			
3 - A264 CrawleyRd_West	131.0	1.13	134.9	1.12
4 - FaygateLn	0.9	0.43	2.5	0.72
1 - A264 CrawleyRd_East	91.8	1.07	190.3	1.19
2 - TowerRd	1.1	0.52	0.2	0.16
	2029_WithDevs			
3 - A264 CrawleyRd_West	119.3	1.12	128.5	1.11
4 - FaygateLn	0.7	0.35	1.5	0.60
1 - A264 CrawleyRd_East	102.2	1.08	171.2	1.16
2 - TowerRd	1.1	0.53	0.3	0.23
	2041_WithoutDevs			
3 - A264 CrawleyRd_West	185.9	1.19	184.8	1.17
4 - FaygateLn	1.1	0.46	2.8	0.74
1 - A264 CrawleyRd_East	146.5	1.13	247.5	1.25
2 - TowerRd	1.3	0.56	0.2	0.17
	2041_WithDevs			
3 - A264 CrawleyRd_West	215.0	1.22	222.0	1.21
4 - FaygateLn	1.1	0.48	2.4	0.71
1 - A264 CrawleyRd_East	165.7	1.15	328.0	1.30
2 - TowerRd	1.9	0.67	0.2	0.18

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

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

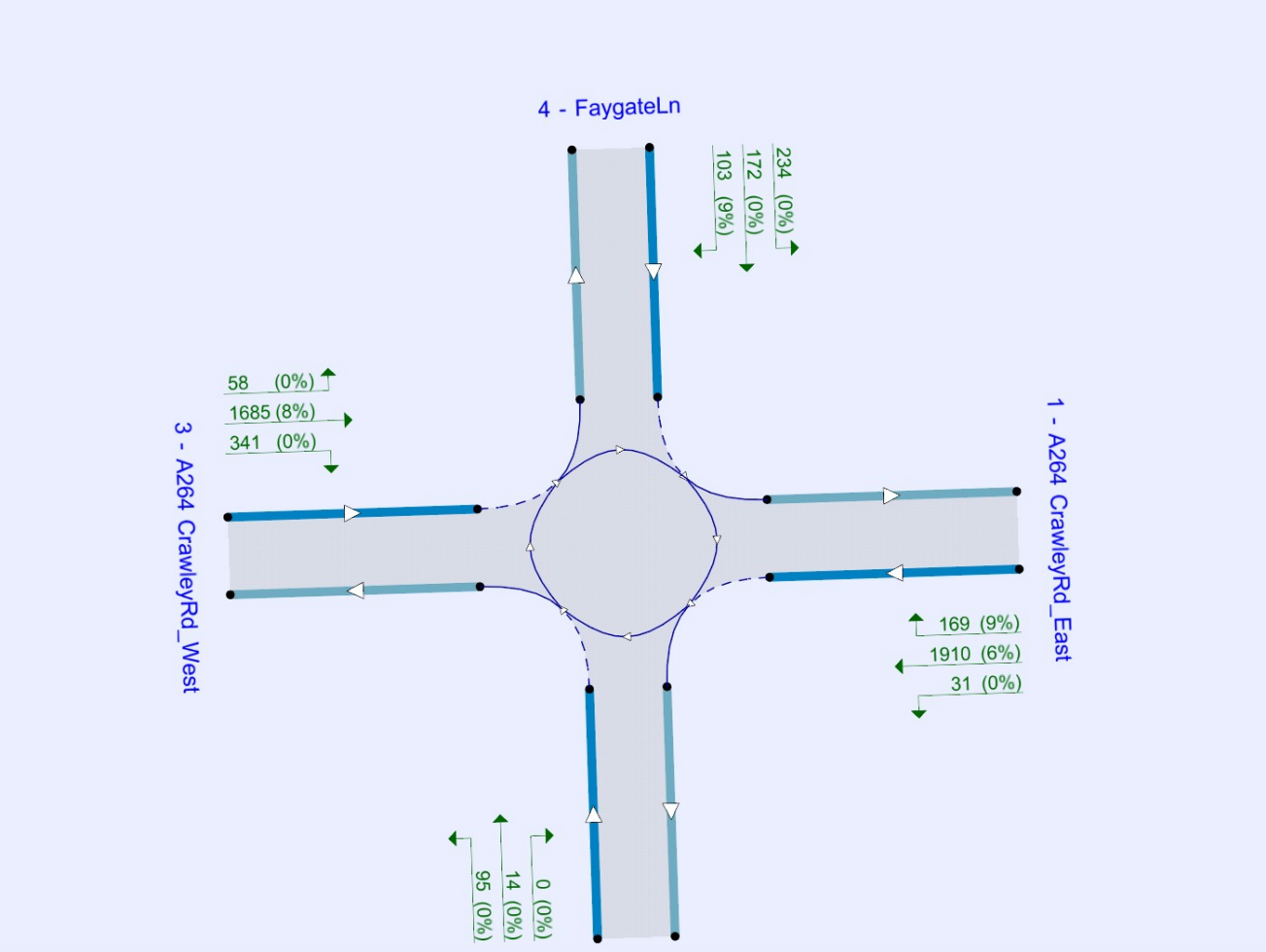
File summary

File Description

Title	
Location	
Site number	
Date	07/09/2022
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	SDGNT\AMohammed
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

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
5.75				0.85	36.00	20.00

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Results for central hour only	Run automatically
D1	2025	AM	ONE HOUR	07:45	09:15	15	✓	✓
D2	2025	PM	ONE HOUR	16:45	18:15	15	✓	✓
D3	2029_WithoutDevs	AM	ONE HOUR	07:45	09:15	15	✓	✓
D4	2029_WithoutDevs	PM	ONE HOUR	16:45	18:15	15	✓	✓
D5	2029_WithDevs	AM	ONE HOUR	07:45	09:15	15	✓	✓
D6	2029_WithDevs	PM	ONE HOUR	16:45	18:15	15	✓	✓
D7	2041_WithoutDevs	AM	ONE HOUR	07:45	09:15	15	✓	✓
D8	2041_WithoutDevs	PM	ONE HOUR	16:45	18:15	15	✓	✓
D9	2041_WithDevs	AM	ONE HOUR	07:45	09:15	15	✓	✓
D10	2041_WithDevs	PM	ONE HOUR	16:45	18:15	15	✓	✓

Analysis Set Details

ID	Include in report	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	✓	100.000	100.000

2025, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Demand Sets	D1 - 2025, AM	Time results are shown for central hour only. (Model is run for a 90 minute period.)

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		3, 4, 1, 2	234.73	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description
3	A264 CrawleyRd_West	
4	FaygateLn	
1	A264 CrawleyRd_East	
2	TowerRd	

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)	Exit only
3 - A264 CrawleyRd_West	7.20	7.20	0.0	56.0	54.0	39.0	
4 - FaygateLn	7.00	7.50	10.0	27.0	54.0	10.0	
1 - A264 CrawleyRd_East	8.20	8.20	0.0	18.4	55.0	31.0	
2 - TowerRd	3.50	7.80	15.0	24.0	54.0	21.0	

Slope / Intercept / Capacity

Roundabout Slope and Intercept used in model

Arm	Final slope	Final intercept (PCU/hr)
3 - A264 CrawleyRd_West	0.678	2182
4 - FaygateLn	0.747	2436
1 - A264 CrawleyRd_East	0.721	2465
2 - TowerRd	0.620	1809

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

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Results for central hour only	Run automatically
D1	2025	AM	ONE HOUR	07:45	09:15	15	✓	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
3 - A264 CrawleyRd_West		ONE HOUR	✓	2080	100.000
4 - FaygateLn		ONE HOUR	✓	459	100.000
1 - A264 CrawleyRd_East		ONE HOUR	✓	2117	100.000
2 - TowerRd		ONE HOUR	✓	11	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		3 - A264 CrawleyRd_West	4 - FaygateLn	1 - A264 CrawleyRd_East	2 - TowerRd
From	3 - A264 CrawleyRd_West	0	123	1953	5
	4 - FaygateLn	73	0	372	15
	1 - A264 CrawleyRd_East	1635	482	0	0
	2 - TowerRd	8	3	0.01	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		3 - A264 CrawleyRd_West	4 - FaygateLn	1 - A264 CrawleyRd_East	2 - TowerRd
From	3 - A264 CrawleyRd_West	0	0	8	0
	4 - FaygateLn	25	0	14	82
	1 - A264 CrawleyRd_East	19	17	0	0
	2 - TowerRd	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
3 - A264 CrawleyRd_West	1.26	484.81	253.3	F	2080	2080
4 - FaygateLn	0.44	6.50	0.9	A	459	459
1 - A264 CrawleyRd_East	0.97	39.66	24.5	E	2117	2117
2 - TowerRd	0.04	11.49	0.0	B	11	11

Main Results for each time segment

08:00 - 08:15

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
3 - A264 CrawleyRd_West	1870	468	434	1888	0.991	1806	1536	4.3	20.3	33.547	D
4 - FaygateLn	413	103	1700	1166	0.354	412	540	0.4	0.6	5.579	A
1 - A264 CrawleyRd_East	1903	476	83	2406	0.791	1895	2029	2.3	4.3	8.222	A
2 - TowerRd	10	2	1960	592	0.017	10	17	0.0	0.0	6.179	A

08:15 - 08:30

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
3 - A264 CrawleyRd_West	2290	573	520	1830	1.252	1827	1842	20.3	136.2	161.304	F
4 - FaygateLn	506	126	1719	1152	0.439	505	628	0.6	0.9	6.499	A
1 - A264 CrawleyRd_East	2331	583	100	2393	0.974	2270	2123	4.3	19.5	26.666	D
2 - TowerRd	12	3	2350	351	0.035	12	20	0.0	0.0	10.633	B

08:30 - 08:45

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
3 - A264 CrawleyRd_West	2290	573	529	1823	1.256	1823	1874	136.2	253.0	385.628	F
4 - FaygateLn	506	126	1716	1154	0.438	506	637	0.9	0.9	6.494	A
1 - A264 CrawleyRd_East	2331	583	101	2393	0.974	2311	2121	19.5	24.5	39.662	E
2 - TowerRd	12	3	2391	325	0.037	12	20	0.0	0.0	11.493	B

08:45 - 09:00

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
3 - A264 CrawleyRd_West	1870	468	454	1874	0.998	1869	1604	253.0	253.3	484.806	F
4 - FaygateLn	413	103	1759	1122	0.368	414	564	0.9	0.7	5.957	A
1 - A264 CrawleyRd_East	1903	476	83	2405	0.791	1982	2089	24.5	4.7	11.860	B
2 - TowerRd	10	2	2048	538	0.018	10	17	0.0	0.0	6.821	A

2025, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Demand Sets	D2 - 2025, PM	Time results are shown for central hour only. (Model is run for a 90 minute period.)

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		3, 4, 1, 2	148.75	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Results for central hour only	Run automatically
D2	2025	PM	ONE HOUR	16:45	18:15	15	✓	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
3 - A264 CrawleyRd_West		ONE HOUR	✓	1886	100.000
4 - FaygateLn		ONE HOUR	✓	623	100.000
1 - A264 CrawleyRd_East		ONE HOUR	✓	2296	100.000
2 - TowerRd		ONE HOUR	✓	36	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		3 - A264 CrawleyRd_West	4 - FaygateLn	1 - A264 CrawleyRd_East	2 - TowerRd
From	3 - A264 CrawleyRd_West	0	98	1779	9
	4 - FaygateLn	140	99	381	3
	1 - A264 CrawleyRd_East	2018	278	0	0
	2 - TowerRd	7	10	18	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		3 - A264 CrawleyRd_West	4 - FaygateLn	1 - A264 CrawleyRd_East	2 - TowerRd
From	3 - A264 CrawleyRd_West	0	0	11	0
	4 - FaygateLn	8	0	0	0
	1 - A264 CrawleyRd_East	6	7	0	0
	2 - TowerRd	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
3 - A264 CrawleyRd_West	1.09	156.17	101.2	F	1886	1886
4 - FaygateLn	0.64	9.34	1.7	A	623	623
1 - A264 CrawleyRd_East	1.12	182.53	142.8	F	2296	2296
2 - TowerRd	0.17	17.94	0.2	C	36	36

Main Results for each time segment

17:00 - 17:15

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
3 - A264 CrawleyRd_West	1696	424	362	1936	0.876	1679	1928	2.7	6.9	14.574	B
4 - FaygateLn	560	140	1609	1234	0.454	559	433	0.5	0.8	5.408	A
1 - A264 CrawleyRd_East	2064	516	225	2303	0.896	2044	1943	3.0	8.0	13.767	B
2 - TowerRd	32	8	2258	408	0.080	32	11	0.0	0.1	9.584	A

17:15 - 17:30

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
3 - A264 CrawleyRd_West	2077	519	413	1902	1.092	1880	2139	6.9	56.2	69.931	F
4 - FaygateLn	686	171	1802	1089	0.630	682	490	0.8	1.7	8.923	A
1 - A264 CrawleyRd_East	2528	632	274	2268	1.115	2251	2211	8.0	77.1	75.920	F
2 - TowerRd	40	10	2513	250	0.159	39	12	0.1	0.2	17.092	C

17:30 - 17:45

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
3 - A264 CrawleyRd_West	2077	519	415	1900	1.093	1897	2152	56.2	101.2	156.172	F
4 - FaygateLn	686	171	1819	1077	0.637	686	493	1.7	1.7	9.341	A
1 - A264 CrawleyRd_East	2528	632	275	2267	1.115	2265	2229	77.1	142.8	179.698	F
2 - TowerRd	40	10	2528	240	0.165	40	12	0.2	0.2	17.938	C

17:45 - 18:00

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
3 - A264 CrawleyRd_West	1696	424	392	1916	0.885	1895	2140	101.2	51.3	146.753	F
4 - FaygateLn	560	140	1814	1081	0.518	563	474	1.7	1.1	7.099	A
1 - A264 CrawleyRd_East	2064	516	227	2301	0.897	2284	2149	142.8	87.7	182.526	F
2 - TowerRd	32	8	2500	258	0.126	33	12	0.2	0.1	16.017	C

2029_WithoutDevs, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Demand Sets	D3 - 2029_WithoutDevs, AM	Time results are shown for central hour only. (Model is run for a 90 minute period.)

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		3, 4, 1, 2	153.76	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Results for central hour only	Run automatically
D3	2029_WithoutDevs	AM	ONE HOUR	07:45	09:15	15	✓	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
3 - A264 CrawleyRd_West		ONE HOUR	✓	1886	100.000
4 - FaygateLn		ONE HOUR	✓	437	100.000
1 - A264 CrawleyRd_East		ONE HOUR	✓	2048	100.000
2 - TowerRd		ONE HOUR	✓	191	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		3 - A264 CrawleyRd_West	4 - FaygateLn	1 - A264 CrawleyRd_East	2 - TowerRd
From	3 - A264 CrawleyRd_West	0	91	1644	151
	4 - FaygateLn	160	0	115	162
	1 - A264 CrawleyRd_East	1598	439	0	12
	2 - TowerRd	137	54	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		3 - A264 CrawleyRd_West	4 - FaygateLn	1 - A264 CrawleyRd_East	2 - TowerRd
From	3 - A264 CrawleyRd_West	0	0	8	6
	4 - FaygateLn	41	0	20	23
	1 - A264 CrawleyRd_East	26	15	0	0
	2 - TowerRd	5	0	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
3 - A264 CrawleyRd_West	1.13	226.16	131.0	F	1886	1886
4 - FaygateLn	0.43	7.09	0.9	A	437	437
1 - A264 CrawleyRd_East	1.07	130.93	91.8	F	2048	2048
2 - TowerRd	0.52	19.00	1.1	C	191	191

Main Results for each time segment

08:00 - 08:15

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
3 - A264 CrawleyRd_West	1696	424	440	1884	0.900	1675	1691	2.9	8.1	16.997	C
4 - FaygateLn	393	98	1594	1245	0.315	392	521	0.4	0.6	5.400	A
1 - A264 CrawleyRd_East	1841	460	423	2160	0.852	1827	1563	2.8	6.5	12.742	B
2 - TowerRd	172	43	1959	593	0.290	171	290	0.2	0.4	8.815	A

08:15 - 08:30

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
3 - A264 CrawleyRd_West	2077	519	503	1841	1.128	1827	1941	8.1	70.6	86.598	F
4 - FaygateLn	481	120	1738	1137	0.423	480	591	0.6	0.9	7.000	A
1 - A264 CrawleyRd_East	2255	564	500	2105	1.071	2072	1718	6.5	52.3	60.910	F
2 - TowerRd	211	53	2235	422	0.499	208	336	0.4	1.0	17.261	C

08:30 - 08:45

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
3 - A264 CrawleyRd_West	2077	519	509	1837	1.131	1835	1962	70.6	131.0	203.825	F
4 - FaygateLn	481	120	1746	1131	0.425	481	598	0.9	0.9	7.092	A
1 - A264 CrawleyRd_East	2255	564	501	2104	1.072	2098	1726	52.3	91.8	130.929	F
2 - TowerRd	211	53	2261	406	0.519	210	338	1.0	1.1	18.995	C

08:45 - 09:00

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
3 - A264 CrawleyRd_West	1696	424	504	1841	0.921	1826	1923	131.0	98.5	226.163	F
4 - FaygateLn	393	98	1737	1138	0.345	394	592	0.9	0.7	6.204	A
1 - A264 CrawleyRd_East	1841	460	436	2151	0.856	2122	1695	91.8	21.5	100.163	F
2 - TowerRd	172	43	2254	410	0.419	173	305	1.1	0.8	15.793	C

2029_WithoutDevs, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Demand Sets	D4 - 2029_WithoutDevs, PM	Time results are shown for central hour only. (Model is run for a 90 minute period.)

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		3, 4, 1, 2	229.71	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Results for central hour only	Run automatically
D4	2029_WithoutDevs	PM	ONE HOUR	16:45	18:15	15	✓	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
3 - A264 CrawleyRd_West		ONE HOUR	✓	2040	100.000
4 - FaygateLn		ONE HOUR	✓	660	100.000
1 - A264 CrawleyRd_East		ONE HOUR	✓	2025	100.000
2 - TowerRd		ONE HOUR	✓	71	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		3 - A264 CrawleyRd_West	4 - FaygateLn	1 - A264 CrawleyRd_East	2 - TowerRd
From	3 - A264 CrawleyRd_West	0	100	1589	352
	4 - FaygateLn	157	99	225	179
	1 - A264 CrawleyRd_East	1870	155	0	0.09
	2 - TowerRd	57	13	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		3 - A264 CrawleyRd_West	4 - FaygateLn	1 - A264 CrawleyRd_East	2 - TowerRd
From	3 - A264 CrawleyRd_West	0	0	8	0
	4 - FaygateLn	6	0	0	0
	1 - A264 CrawleyRd_East	6	11	0	0
	2 - TowerRd	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
3 - A264 CrawleyRd_West	1.12	206.93	134.9	F	2040	2040
4 - FaygateLn	0.72	12.60	2.5	B	660	660
1 - A264 CrawleyRd_East	1.19	331.11	190.3	F	2025	2025
2 - TowerRd	0.16	9.10	0.2	A	71	71

Main Results for each time segment

17:00 - 17:15

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
3 - A264 CrawleyRd_West	1834	458	237	2021	0.907	1812	1845	3.1	8.7	16.688	C
4 - FaygateLn	593	148	1723	1149	0.517	591	326	0.6	1.1	6.526	A
1 - A264 CrawleyRd_East	1820	455	702	1959	0.929	1790	1613	3.0	10.5	19.871	C
2 - TowerRd	63	16	2019	556	0.114	63	473	0.1	0.1	7.304	A

17:15 - 17:30

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
3 - A264 CrawleyRd_West	2246	562	266	2002	1.122	1988	1960	8.7	73.3	82.723	F
4 - FaygateLn	727	182	1891	1023	0.710	721	363	1.1	2.4	11.877	B
1 - A264 CrawleyRd_East	2229	557	818	1876	1.189	1868	1794	10.5	100.8	115.129	F
2 - TowerRd	78	19	2148	476	0.163	77	538	0.1	0.2	9.022	A

17:30 - 17:45

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
3 - A264 CrawleyRd_West	2246	562	267	2001	1.122	2000	1964	73.3	134.9	192.979	F
4 - FaygateLn	727	182	1902	1015	0.716	726	364	2.4	2.5	12.595	B
1 - A264 CrawleyRd_East	2229	557	823	1872	1.191	1871	1805	100.8	190.3	283.030	F
2 - TowerRd	78	19	2153	473	0.164	78	542	0.2	0.2	9.101	A

17:45 - 18:00

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
3 - A264 CrawleyRd_West	1834	458	248	2014	0.911	1998	1969	134.9	93.9	206.932	F
4 - FaygateLn	593	148	1900	1016	0.584	597	346	2.5	1.5	8.797	A
1 - A264 CrawleyRd_East	1820	455	738	1933	0.942	1922	1760	190.3	164.8	331.112	F
2 - TowerRd	63	16	2154	472	0.134	64	506	0.2	0.2	8.811	A

2029_WithDevs, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Demand Sets	D5 - 2029_WithDevs, AM	Time results are shown for central hour only. (Model is run for a 90 minute period.)

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		3, 4, 1, 2	149.04	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Results for central hour only	Run automatically
D5	2029_WithDevs	AM	ONE HOUR	07:45	09:15	15	✓	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
3 - A264 CrawleyRd_West		ONE HOUR	✓	1846	100.000
4 - FaygateLn		ONE HOUR	✓	374	100.000
1 - A264 CrawleyRd_East		ONE HOUR	✓	2123	100.000
2 - TowerRd		ONE HOUR	✓	200	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		3 - A264 CrawleyRd_West	4 - FaygateLn	1 - A264 CrawleyRd_East	2 - TowerRd
From	3 - A264 CrawleyRd_West	0	114	1587	145
	4 - FaygateLn	84	0	123	167
	1 - A264 CrawleyRd_East	1645	478	0	0
	2 - TowerRd	150	49	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		3 - A264 CrawleyRd_West	4 - FaygateLn	1 - A264 CrawleyRd_East	2 - TowerRd
From	3 - A264 CrawleyRd_West	0	0	7	7
	4 - FaygateLn	32	0	18	22
	1 - A264 CrawleyRd_East	26	14	0	0
	2 - TowerRd	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
3 - A264 CrawleyRd_West	1.12	202.39	119.3	F	1846	1846
4 - FaygateLn	0.35	5.87	0.7	A	374	374
1 - A264 CrawleyRd_East	1.08	140.12	102.2	F	2123	2123
2 - TowerRd	0.53	18.66	1.1	C	200	200

Main Results for each time segment

08:00 - 08:15

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
3 - A264 CrawleyRd_West	1659	415	470	1863	0.891	1640	1676	2.7	7.5	15.998	C
4 - FaygateLn	336	84	1539	1286	0.261	335	571	0.3	0.4	4.644	A
1 - A264 CrawleyRd_East	1908	477	354	2210	0.863	1892	1521	2.9	7.0	13.270	B
2 - TowerRd	180	45	1967	588	0.306	179	278	0.2	0.4	8.781	A

08:15 - 08:30

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
3 - A264 CrawleyRd_West	2032	508	535	1820	1.117	1804	1911	7.5	64.6	81.156	F
4 - FaygateLn	411	103	1692	1172	0.351	411	646	0.4	0.7	5.797	A
1 - A264 CrawleyRd_East	2337	584	417	2165	1.080	2135	1686	7.0	57.5	63.980	F
2 - TowerRd	220	55	2227	427	0.516	218	325	0.4	1.0	17.035	C

08:30 - 08:45

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
3 - A264 CrawleyRd_West	2032	508	540	1816	1.119	1814	1930	64.6	119.3	188.886	F
4 - FaygateLn	411	103	1702	1165	0.353	411	652	0.7	0.7	5.865	A
1 - A264 CrawleyRd_East	2337	584	418	2164	1.080	2159	1695	57.5	102.2	140.123	F
2 - TowerRd	220	55	2251	412	0.534	220	326	1.0	1.1	18.663	C

08:45 - 09:00

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
3 - A264 CrawleyRd_West	1659	415	534	1820	0.912	1804	1897	119.3	83.2	202.390	F
4 - FaygateLn	336	84	1692	1172	0.287	337	646	0.7	0.5	5.295	A
1 - A264 CrawleyRd_East	1908	477	367	2201	0.867	2174	1662	102.2	35.7	117.113	F
2 - TowerRd	180	45	2250	413	0.435	181	292	1.1	0.8	15.619	C

2029_WithDevs, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Demand Sets	D6 - 2029_WithDevs, PM	Time results are shown for central hour only. (Model is run for a 90 minute period.)

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		3, 4, 1, 2	202.85	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Results for central hour only	Run automatically
D6	2029_WithDevs	PM	ONE HOUR	16:45	18:15	15	✓	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
3 - A264 CrawleyRd_West		ONE HOUR	✓	2083	100.000
4 - FaygateLn		ONE HOUR	✓	509	100.000
1 - A264 CrawleyRd_East		ONE HOUR	✓	2110	100.000
2 - TowerRd		ONE HOUR	✓	109	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		3 - A264 CrawleyRd_West	4 - FaygateLn	1 - A264 CrawleyRd_East	2 - TowerRd
From	3 - A264 CrawleyRd_West	0	58	1685	341
	4 - FaygateLn	103	0	234	172
	1 - A264 CrawleyRd_East	1910	169	0	31
	2 - TowerRd	95	14	0.04	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		3 - A264 CrawleyRd_West	4 - FaygateLn	1 - A264 CrawleyRd_East	2 - TowerRd
From	3 - A264 CrawleyRd_West	0	0	8	0
	4 - FaygateLn	9	0	0	0
	1 - A264 CrawleyRd_East	6	9	0	0
	2 - TowerRd	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
3 - A264 CrawleyRd_West	1.11	189.10	128.5	F	2083	2083
4 - FaygateLn	0.60	9.64	1.5	A	509	509
1 - A264 CrawleyRd_East	1.16	273.01	171.2	F	2110	2110
2 - TowerRd	0.23	9.15	0.3	A	109	109

Main Results for each time segment

17:00 - 17:15

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
3 - A264 CrawleyRd_West	1873	468	163	2072	0.904	1851	1871	3.1	8.5	16.008	C
4 - FaygateLn	457	114	1800	1091	0.419	456	214	0.4	0.7	5.756	A
1 - A264 CrawleyRd_East	1897	474	549	2069	0.917	1871	1707	3.0	9.5	17.401	C
2 - TowerRd	98	25	1936	607	0.161	98	484	0.1	0.2	7.059	A

17:15 - 17:30

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
3 - A264 CrawleyRd_West	2294	573	176	2063	1.112	2047	2024	8.5	70.2	77.715	F
4 - FaygateLn	560	140	1990	949	0.590	557	232	0.7	1.4	9.279	A
1 - A264 CrawleyRd_East	2323	581	636	2007	1.158	1997	1911	9.5	91.1	98.606	F
2 - TowerRd	120	30	2080	518	0.232	120	552	0.2	0.3	9.029	A

17:30 - 17:45

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
3 - A264 CrawleyRd_West	2294	573	176	2063	1.112	2060	2031	70.2	128.5	179.479	F
4 - FaygateLn	560	140	2003	939	0.596	560	233	1.4	1.5	9.645	A
1 - A264 CrawleyRd_East	2323	581	640	2004	1.159	2003	1924	91.1	171.2	239.968	F
2 - TowerRd	120	30	2087	514	0.234	120	555	0.3	0.3	9.147	A

17:45 - 18:00

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
3 - A264 CrawleyRd_West	1873	468	176	2063	0.908	2046	2018	128.5	85.2	189.102	F
4 - FaygateLn	457	114	1989	950	0.482	459	232	1.5	1.0	7.498	A
1 - A264 CrawleyRd_East	1897	474	583	2045	0.928	2032	1866	171.2	137.4	273.012	F
2 - TowerRd	98	25	2096	508	0.193	98	520	0.3	0.2	8.784	A

2041_WithoutDevs, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Demand Sets	D7 - 2041_WithoutDevs, AM	Time results are shown for central hour only. (Model is run for a 90 minute period.)

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		3, 4, 1, 2	239.67	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Results for central hour only	Run automatically
D7	2041_WithoutDevs	AM	ONE HOUR	07:45	09:15	15	✓	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
3 - A264 CrawleyRd_West		ONE HOUR	✓	1983	100.000
4 - FaygateLn		ONE HOUR	✓	467	100.000
1 - A264 CrawleyRd_East		ONE HOUR	✓	2138	100.000
2 - TowerRd		ONE HOUR	✓	210	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		3 - A264 CrawleyRd_West	4 - FaygateLn	1 - A264 CrawleyRd_East	2 - TowerRd
From	3 - A264 CrawleyRd_West	0	87	1740	156
	4 - FaygateLn	174	0	123	169
	1 - A264 CrawleyRd_East	1668	447	0	23
	2 - TowerRd	148	62	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		3 - A264 CrawleyRd_West	4 - FaygateLn	1 - A264 CrawleyRd_East	2 - TowerRd
From	3 - A264 CrawleyRd_West	0	0	8	7
	4 - FaygateLn	41	0	19	23
	1 - A264 CrawleyRd_East	26	13	0	0
	2 - TowerRd	1	0	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
3 - A264 CrawleyRd_West	1.19	352.05	185.9	F	1983	1983
4 - FaygateLn	0.46	7.58	1.1	A	467	467
1 - A264 CrawleyRd_East	1.13	207.60	146.5	F	2138	2138
2 - TowerRd	0.56	20.21	1.3	C	210	210

Main Results for each time segment

08:00 - 08:15

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
3 - A264 CrawleyRd_West	1783	446	452	1875	0.951	1745	1770	3.6	13.1	24.552	C
4 - FaygateLn	419	105	1669	1189	0.353	418	529	0.4	0.7	5.968	A
1 - A264 CrawleyRd_East	1922	481	446	2144	0.897	1899	1641	3.3	9.0	16.659	C
2 - TowerRd	189	47	2035	546	0.345	187	310	0.3	0.5	10.077	B

08:15 - 08:30

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
3 - A264 CrawleyRd_West	2184	546	500	1843	1.185	1836	1969	13.1	99.9	118.843	F
4 - FaygateLn	514	128	1756	1124	0.457	512	581	0.7	1.1	7.509	A
1 - A264 CrawleyRd_East	2354	589	522	2089	1.127	2072	1746	9.0	79.5	85.894	F
2 - TowerRd	231	58	2241	418	0.552	228	353	0.5	1.2	18.832	C

08:30 - 08:45

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
3 - A264 CrawleyRd_West	2184	546	504	1840	1.187	1840	1982	99.9	185.9	284.695	F
4 - FaygateLn	514	128	1759	1122	0.458	514	585	1.1	1.1	7.575	A
1 - A264 CrawleyRd_East	2354	589	523	2088	1.128	2086	1749	79.5	146.5	200.451	F
2 - TowerRd	231	58	2255	409	0.564	231	354	1.2	1.3	20.206	C

08:45 - 09:00

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
3 - A264 CrawleyRd_West	1783	446	499	1844	0.967	1833	1945	185.9	173.4	352.055	F
4 - FaygateLn	419	105	1753	1127	0.372	421	579	1.1	0.8	6.537	A
1 - A264 CrawleyRd_East	1922	481	454	2138	0.899	2120	1719	146.5	97.0	207.604	F
2 - TowerRd	189	47	2254	410	0.460	190	320	1.3	0.9	16.582	C

2041_WithoutDevs, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Demand Sets	D8 - 2041_WithoutDevs, PM	Time results are shown for central hour only. (Model is run for a 90 minute period.)

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		3, 4, 1, 2	328.15	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Results for central hour only	Run automatically
D8	2041_WithoutDevs	PM	ONE HOUR	16:45	18:15	15	✓	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
3 - A264 CrawleyRd_West		ONE HOUR	✓	2127	100.000
4 - FaygateLn		ONE HOUR	✓	684	100.000
1 - A264 CrawleyRd_East		ONE HOUR	✓	2110	100.000
2 - TowerRd		ONE HOUR	✓	75	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		3 - A264 CrawleyRd_West	4 - FaygateLn	1 - A264 CrawleyRd_East	2 - TowerRd
From	3 - A264 CrawleyRd_West	0	106	1656	364
	4 - FaygateLn	163	99	236	186
	1 - A264 CrawleyRd_East	1948	161	0	0.67
	2 - TowerRd	61	14	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		3 - A264 CrawleyRd_West	4 - FaygateLn	1 - A264 CrawleyRd_East	2 - TowerRd
From	3 - A264 CrawleyRd_West	0	0	8	0
	4 - FaygateLn	6	0	0	0
	1 - A264 CrawleyRd_East	6	10	0	0
	2 - TowerRd	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
3 - A264 CrawleyRd_West	1.17	312.15	184.8	F	2127	2127
4 - FaygateLn	0.74	13.80	2.8	B	684	684
1 - A264 CrawleyRd_East	1.25	457.44	247.5	F	2110	2110
2 - TowerRd	0.17	9.16	0.2	A	75	75

Main Results for each time segment

17:00 - 17:15

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
3 - A264 CrawleyRd_West	1912	478	242	2018	0.947	1876	1902	3.7	12.8	22.564	C
4 - FaygateLn	615	154	1782	1105	0.556	612	336	0.7	1.2	7.378	A
1 - A264 CrawleyRd_East	1897	474	723	1944	0.976	1843	1671	3.7	17.1	28.695	D
2 - TowerRd	67	17	2077	520	0.129	67	489	0.1	0.1	7.936	A

17:15 - 17:30

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
3 - A264 CrawleyRd_West	2342	585	266	2002	1.170	1995	1964	12.8	99.5	109.086	F
4 - FaygateLn	753	188	1895	1020	0.738	747	365	1.2	2.7	13.082	B
1 - A264 CrawleyRd_East	2323	581	832	1866	1.245	1862	1810	17.1	132.3	151.576	F
2 - TowerRd	82	21	2148	476	0.172	82	546	0.1	0.2	9.125	A

17:30 - 17:45

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
3 - A264 CrawleyRd_West	2342	585	266	2001	1.170	2001	1966	99.5	184.8	260.437	F
4 - FaygateLn	753	188	1901	1016	0.741	752	366	2.7	2.8	13.801	B
1 - A264 CrawleyRd_East	2323	581	836	1862	1.247	1862	1817	132.3	247.5	368.254	F
2 - TowerRd	82	21	2150	475	0.173	82	548	0.2	0.2	9.163	A

17:45 - 18:00

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
3 - A264 CrawleyRd_West	1912	478	249	2014	0.950	2002	1972	184.8	162.3	312.145	F
4 - FaygateLn	615	154	1902	1015	0.606	620	349	2.8	1.6	9.339	A
1 - A264 CrawleyRd_East	1897	474	749	1925	0.985	1917	1772	247.5	242.5	457.444	F
2 - TowerRd	67	17	2154	473	0.142	67	512	0.2	0.2	8.885	A

2041_WithDevs, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Demand Sets	D9 - 2041_WithDevs, AM	Time results are shown for central hour only. (Model is run for a 90 minute period.)

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		3, 4, 1, 2	288.11	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Results for central hour only	Run automatically
D9	2041_WithDevs	AM	ONE HOUR	07:45	09:15	15	✓	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
3 - A264 CrawleyRd_West		ONE HOUR	✓	1962	100.000
4 - FaygateLn		ONE HOUR	✓	513	100.000
1 - A264 CrawleyRd_East		ONE HOUR	✓	2156	100.000
2 - TowerRd		ONE HOUR	✓	245	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		3 - A264 CrawleyRd_West	4 - FaygateLn	1 - A264 CrawleyRd_East	2 - TowerRd
From	3 - A264 CrawleyRd_West	0	101	1707	154
	4 - FaygateLn	178	0	141	194
	1 - A264 CrawleyRd_East	1605	551	0	0.49
	2 - TowerRd	169	77	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		3 - A264 CrawleyRd_West	4 - FaygateLn	1 - A264 CrawleyRd_East	2 - TowerRd
From	3 - A264 CrawleyRd_West	0	0	8	7
	4 - FaygateLn	41	0	17	20
	1 - A264 CrawleyRd_East	27	9	0	0
	2 - TowerRd	2	0	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
3 - A264 CrawleyRd_West	1.22	439.40	215.0	F	1962	1962
4 - FaygateLn	0.48	7.30	1.1	A	513	513
1 - A264 CrawleyRd_East	1.15	246.99	165.7	F	2156	2156
2 - TowerRd	0.67	26.83	1.9	D	245	245

Main Results for each time segment

08:00 - 08:15

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
3 - A264 CrawleyRd_West	1764	441	557	1804	0.978	1711	1732	3.9	17.2	31.016	D
4 - FaygateLn	462	115	1623	1224	0.377	460	645	0.5	0.8	5.914	A
1 - A264 CrawleyRd_East	1938	485	468	2128	0.911	1912	1615	3.4	10.1	18.363	C
2 - TowerRd	220	55	2070	524	0.421	219	309	0.3	0.7	11.898	B

08:15 - 08:30

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
3 - A264 CrawleyRd_West	2161	540	609	1769	1.221	1765	1909	17.2	116.1	143.677	F
4 - FaygateLn	565	141	1674	1185	0.477	564	700	0.8	1.1	7.254	A
1 - A264 CrawleyRd_East	2374	593	548	2070	1.147	2058	1690	10.1	89.2	95.673	F
2 - TowerRd	270	67	2252	411	0.656	266	353	0.7	1.8	24.369	C

08:30 - 08:45

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
3 - A264 CrawleyRd_West	2161	540	613	1766	1.223	1766	1920	116.1	214.7	341.925	F
4 - FaygateLn	565	141	1675	1185	0.477	565	704	1.1	1.1	7.297	A
1 - A264 CrawleyRd_East	2374	593	549	2070	1.147	2068	1691	89.2	165.7	226.627	F
2 - TowerRd	270	67	2263	404	0.668	269	353	1.8	1.9	26.828	D

08:45 - 09:00

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
3 - A264 CrawleyRd_West	1764	441	609	1769	0.997	1763	1882	214.7	215.0	439.397	F
4 - FaygateLn	462	115	1672	1187	0.389	463	700	1.1	0.8	6.255	A
1 - A264 CrawleyRd_East	1938	485	474	2123	0.913	2108	1661	165.7	123.3	246.989	F
2 - TowerRd	220	55	2268	402	0.549	223	314	1.9	1.3	20.701	C

2041_WithDevs, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Demand Sets	D10 - 2041_WithDevs, PM	Time results are shown for central hour only. (Model is run for a 90 minute period.)

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		3, 4, 1, 2	420.16	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Results for central hour only	Run automatically
D10	2041_WithDevs	PM	ONE HOUR	16:45	18:15	15	✓	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
3 - A264 CrawleyRd_West		ONE HOUR	✓	2145	100.000
4 - FaygateLn		ONE HOUR	✓	696	100.000
1 - A264 CrawleyRd_East		ONE HOUR	✓	2282	100.000
2 - TowerRd		ONE HOUR	✓	81	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		3 - A264 CrawleyRd_West	4 - FaygateLn	1 - A264 CrawleyRd_East	2 - TowerRd
From	3 - A264 CrawleyRd_West	0	163	1710	272
	4 - FaygateLn	70	99	260	268
	1 - A264 CrawleyRd_East	2036	239	0	7
	2 - TowerRd	61	20	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		3 - A264 CrawleyRd_West	4 - FaygateLn	1 - A264 CrawleyRd_East	2 - TowerRd
From	3 - A264 CrawleyRd_West	0	0	8	0
	4 - FaygateLn	13	0	0	0
	1 - A264 CrawleyRd_East	6	9	0	0
	2 - TowerRd	0	0	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
3 - A264 CrawleyRd_West	1.21	401.08	222.0	F	2145	2145
4 - FaygateLn	0.71	11.38	2.4	B	696	696
1 - A264 CrawleyRd_East	1.30	577.50	328.0	F	2282	2282
2 - TowerRd	0.18	8.93	0.2	A	81	81

Main Results for each time segment

17:00 - 17:15

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
3 - A264 CrawleyRd_West	1928	482	311	1971	0.978	1874	1861	4.2	17.8	29.492	D
4 - FaygateLn	626	157	1732	1142	0.548	624	453	0.7	1.2	6.997	A
1 - A264 CrawleyRd_East	2052	513	629	2012	1.020	1955	1727	4.7	29.0	40.460	E
2 - TowerRd	73	18	2100	506	0.145	73	484	0.1	0.2	8.306	A

17:15 - 17:30

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
3 - A264 CrawleyRd_West	2362	590	333	1956	1.207	1952	1875	17.8	120.3	134.668	F
4 - FaygateLn	767	192	1804	1088	0.704	762	481	1.2	2.3	11.018	B
1 - A264 CrawleyRd_East	2513	628	725	1942	1.294	1941	1841	29.0	172.1	192.578	F
2 - TowerRd	90	22	2119	494	0.182	89	547	0.2	0.2	8.897	A

17:30 - 17:45

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
3 - A264 CrawleyRd_West	2362	590	334	1956	1.208	1955	1875	120.3	222.0	319.234	F
4 - FaygateLn	767	192	1807	1086	0.706	767	482	2.3	2.4	11.376	B
1 - A264 CrawleyRd_East	2513	628	728	1940	1.295	1940	1845	172.1	315.3	451.496	F
2 - TowerRd	90	22	2119	494	0.182	90	549	0.2	0.2	8.909	A

17:45 - 18:00

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
3 - A264 CrawleyRd_West	1928	482	317	1967	0.980	1958	1904	222.0	214.6	401.081	F
4 - FaygateLn	626	157	1809	1084	0.577	630	465	2.4	1.4	8.083	A
1 - A264 CrawleyRd_East	2052	513	643	2001	1.025	2001	1796	315.3	328.0	577.505	F
2 - TowerRd	73	18	2147	477	0.154	73	497	0.2	0.2	8.933	A