

Junctions 9	
ARCADY 9 - Roundabout Module	
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Path: \\sdgworld.net\Data\London\Projects\237\4\73\05\Model\Local Junction Modelling\J10_Horsham Road\J9

Report generation date: 24/06/2025 11:28:30

»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 (W)	12.7	0.93	14.0	0.94
4 - Sullivan Drive	139.3	2.07	19.0	1.06
1 - Horsham Rd	1.8	0.60	2.8	0.73
2 - A264 (E)	1.3	0.53	1.9	0.64
2029_WithoutDevs				
3 - A264 (W)	9.7	0.91	9.1	0.90
4 - Sullivan Drive	159.6	1.97	156.6	1.66
1 - Horsham Rd	1.5	0.56	3.3	0.77
2 - A264 (E)	1.6	0.56	2.8	0.72
2029_WithDevs				
3 - A264 (W)	8.7	0.90	9.3	0.91
4 - Sullivan Drive	194.1	2.15	59.3	1.23
1 - Horsham Rd	1.4	0.55	3.2	0.76
2 - A264 (E)	1.8	0.59	3.2	0.75
2041_WithoutDevs				
3 - A264 (W)	17.5	0.96	14.3	0.94
4 - Sullivan Drive	224.5	2.51	208.8	1.97
1 - Horsham Rd	1.6	0.59	3.8	0.79
2 - A264 (E)	1.7	0.58	3.5	0.77
2041_WithDevs				
3 - A264 (W)	18.8	0.96	22.3	0.97
4 - Sullivan Drive	348.9	3.00	194.3	1.85
1 - Horsham Rd	1.6	0.57	4.8	0.83
2 - A264 (E)	1.7	0.58	7.1	0.88

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.

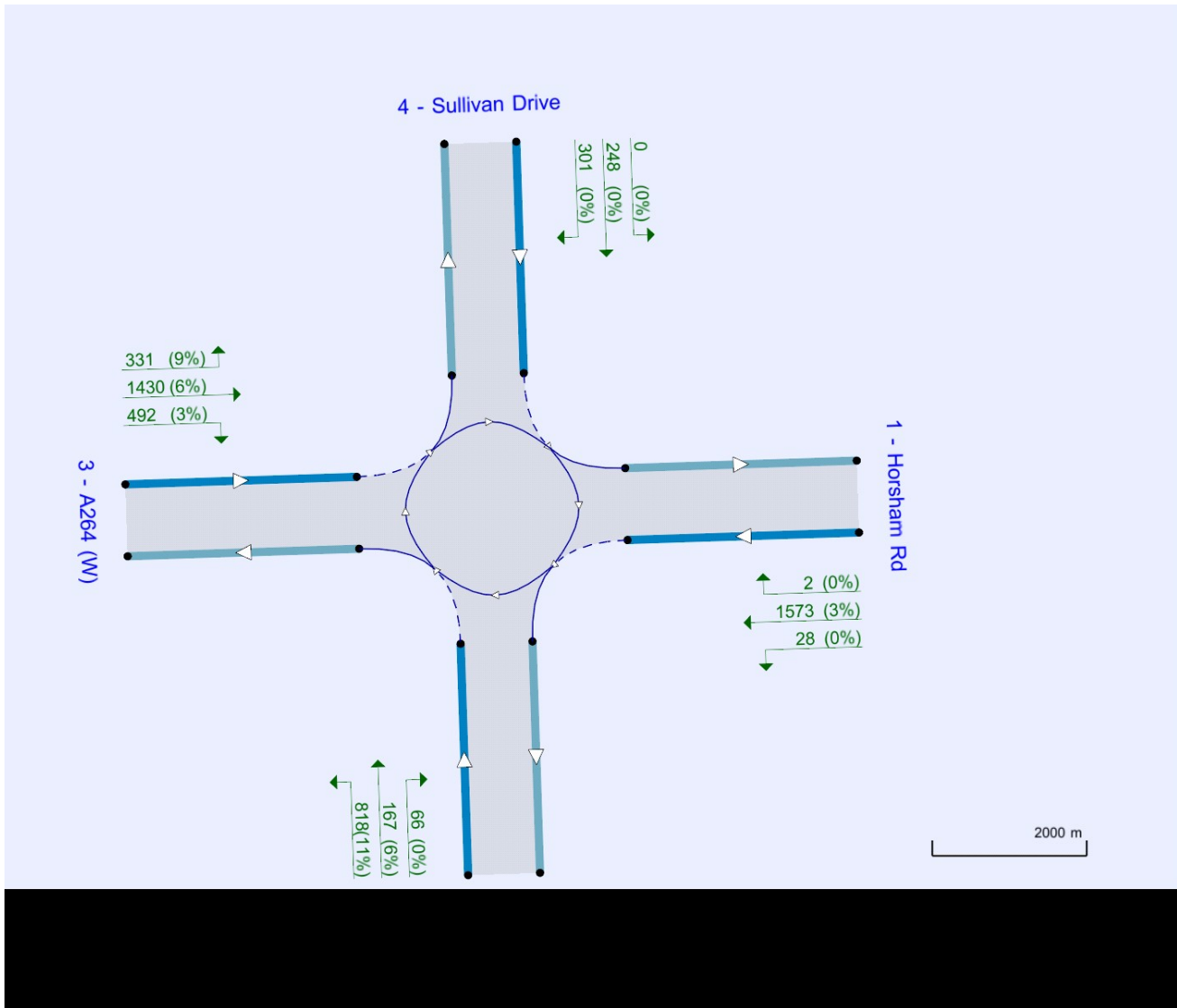
File summary

File Description

Title	
Location	
Site number	
Date	07/09/2022
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	SDGNTAMohammed
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	158.21	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description
3	A264 (W)	
4	Sullivan Drive	
1	Horsham Rd	
2	A264 (E)	

Roundabout Geometry

Arm	V - Approach road half-width (m)	E - Entry width (m)	I' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Exit only
3 - A264 (W)	7.50	11.00	23.0	43.0	60.0	42.0	
4 - Sullivan Drive	3.50	7.00	23.0	33.0	57.0	35.0	
1 - Horsham Rd	9.50	11.20	11.0	30.0	63.0	44.0	
2 - A264 (E)	9.00	11.00	15.5	44.0	60.0	36.0	

Slope / Intercept / Capacity

Roundabout Slope and Intercept used in model

Arm	Final slope	Final intercept (PCU/hr)
3 - A264 (W)	0.768	2939
4 - Sullivan Drive	0.588	1777
1 - Horsham Rd	0.771	3119
2 - A264 (E)	0.814	3174

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 (W)		ONE HOUR	✓	2371	100.000
4 - Sullivan Drive		ONE HOUR	✓	488	100.000
1 - Horsham Rd		ONE HOUR	✓	943	100.000
2 - A264 (E)		ONE HOUR	✓	1078	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
		3 - A264 (W)	4 - Sullivan Drive	1 - Horsham Rd	2 - A264 (E)
From	3 - A264 (W)	0	109	856	1405
	4 - Sullivan Drive	286	0	0	202
	1 - Horsham Rd	906	4	0	33
	2 - A264 (E)	925	65	88	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
		3 - A264 (W)	4 - Sullivan Drive	1 - Horsham Rd	2 - A264 (E)
From	3 - A264 (W)	0	0	9	10
	4 - Sullivan Drive	12	0	0	0
	1 - Horsham Rd	21	0	0	0
	2 - A264 (E)	18	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 (W)	0.93	18.57	12.7	C	2371	2371
4 - Sullivan Drive	2.07	1471.26	139.3	F	488	488
1 - Horsham Rd	0.60	6.26	1.8	A	943	943
2 - A264 (E)	0.53	3.95	1.3	A	1078	1078

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 (W)	2131	533	141	2831	0.753	2125	1894	1.8	3.2	5.519	A
4 - Sullivan Drive	439	110	2106	539	0.814	427	160	1.0	3.9	31.638	D
1 - Horsham Rd	848	212	1687	1819	0.466	846	846	0.6	1.0	4.435	A
2 - A264 (E)	969	242	1067	2306	0.420	968	1466	0.6	0.8	3.091	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 (W)	2610	652	172	2807	0.930	2577	2172	3.2	11.6	15.250	C
4 - Sullivan Drive	537	134	2555	275	1.951	274	195	3.9	69.7	519.487	F
1 - Horsham Rd	1038	260	1802	1730	0.600	1035	1027	1.0	1.8	6.189	A
2 - A264 (E)	1186	297	1160	2230	0.532	1185	1677	0.8	1.3	3.953	A

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 (W)	2610	652	173	2807	0.930	2605	2168	11.6	12.7	18.568	C
4 - Sullivan Drive	537	134	2582	259	2.073	259	196	69.7	139.3	1471.258	F
1 - Horsham Rd	1038	260	1804	1729	0.601	1038	1037	1.8	1.8	6.256	A
2 - A264 (E)	1186	297	1154	2235	0.531	1186	1688	1.3	1.3	3.949	A

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 (W)	2131	533	141	2831	0.753	2168	1949	12.7	3.4	6.248	A
4 - Sullivan Drive	439	110	2147	515	0.852	511	162	139.3	121.2	913.183	F
1 - Horsham Rd	848	212	1796	1735	0.489	850	862	1.8	1.2	4.899	A
2 - A264 (E)	969	242	1120	2263	0.428	970	1526	1.3	0.9	3.211	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	24.19	C

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	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 (W)		ONE HOUR	✓	2296	100.000
4 - Sullivan Drive		ONE HOUR	✓	377	100.000
1 - Horsham Rd		ONE HOUR	✓	1325	100.000
2 - A264 (E)		ONE HOUR	✓	1049	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
From		3 - A264 (W)	4 - Sullivan Drive	1 - Horsham Rd	2 - A264 (E)
	3 - A264 (W)	0	228	1088	980
	4 - Sullivan Drive	152	99	0	126
	1 - Horsham Rd	1289	4	0	32
	2 - A264 (E)	854	117	78	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
From		3 - A264 (W)	4 - Sullivan Drive	1 - Horsham Rd	2 - A264 (E)
	3 - A264 (W)	0	14	7	9
	4 - Sullivan Drive	0	0	0	0
	1 - Horsham Rd	3	0	0	0
	2 - A264 (E)	11	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 (W)	0.94	21.15	14.0	C	2296	2296
4 - Sullivan Drive	1.06	154.10	19.0	F	377	377
1 - Horsham Rd	0.73	6.90	2.8	A	1325	1325
2 - A264 (E)	0.64	5.99	1.9	A	1049	1049

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 (W)	2064	516	267	2735	0.755	2058	2060	1.8	3.3	5.727	A
4 - Sullivan Drive	339	85	1924	646	0.525	337	401	0.5	1.1	11.554	B
1 - Horsham Rd	1192	298	1215	2182	0.546	1190	1045	0.8	1.2	3.726	A
2 - A264 (E)	943	236	1385	2047	0.461	942	1020	0.6	0.9	3.539	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 (W)	2528	632	317	2696	0.938	2492	2503	3.3	12.4	16.737	C
4 - Sullivan Drive	415	104	2330	407	1.019	376	479	1.1	10.8	78.032	F
1 - Horsham Rd	1459	365	1440	2009	0.726	1454	1266	1.2	2.7	6.599	A
2 - A264 (E)	1155	289	1669	1815	0.636	1151	1224	0.9	1.9	5.863	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 (W)	2528	632	319	2694	0.938	2522	2514	12.4	14.0	21.153	C
4 - Sullivan Drive	415	104	2358	391	1.061	382	484	10.8	19.0	154.104	F
1 - Horsham Rd	1459	365	1459	1995	0.732	1459	1281	2.7	2.8	6.904	A
2 - A264 (E)	1155	289	1678	1808	0.639	1155	1239	1.9	1.9	5.992	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 (W)	2064	516	287	2719	0.759	2106	2101	14.0	3.5	6.791	A
4 - Sullivan Drive	339	85	1967	620	0.546	410	426	19.0	1.3	23.438	C
1 - Horsham Rd	1192	298	1309	2110	0.565	1197	1068	2.8	1.3	4.082	A
2 - A264 (E)	943	236	1442	2001	0.471	947	1065	1.9	1.0	3.726	A

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	166.93	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 (W)		ONE HOUR	✓	2299	100.000
4 - Sullivan Drive		ONE HOUR	✓	578	100.000
1 - Horsham Rd		ONE HOUR	✓	986	100.000
2 - A264 (E)		ONE HOUR	✓	1099	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
		3 - A264 (W)	4 - Sullivan Drive	1 - Horsham Rd	2 - A264 (E)
From	3 - A264 (W)	0	141	1056	1102
	4 - Sullivan Drive	362	0	0	216
	1 - Horsham Rd	959	0.01	0	27
	2 - A264 (E)	917	91	90	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
From		3 - A264 (W)	4 - Sullivan Drive	1 - Horsham Rd	2 - A264 (E)
	3 - A264 (W)	0	0	6	6
	4 - Sullivan Drive	17	0	22	0
	1 - Horsham Rd	17	0	0	0
	2 - A264 (E)	32	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 (W)	0.91	14.44	9.7	B	2299	2299
4 - Sullivan Drive	1.97	1357.36	159.6	F	578	578
1 - Horsham Rd	0.56	4.93	1.5	A	986	986
2 - A264 (E)	0.56	4.80	1.6	A	1099	1099

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 (W)	2067	517	163	2814	0.734	2062	1998	1.6	2.9	5.018	A
4 - Sullivan Drive	520	130	2016	592	0.878	502	209	1.3	5.8	38.428	E
1 - Horsham Rd	886	222	1491	1970	0.450	885	1028	0.6	0.9	3.858	A
2 - A264 (E)	988	247	1175	2218	0.445	986	1200	0.7	1.0	3.662	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 (W)	2531	633	199	2786	0.908	2506	2271	2.9	9.1	12.593	B
4 - Sullivan Drive	637	159	2451	336	1.896	335	254	5.8	81.3	496.471	F
1 - Horsham Rd	1085	271	1536	1935	0.561	1083	1250	0.9	1.5	4.910	A
2 - A264 (E)	1210	302	1263	2146	0.564	1207	1356	1.0	1.6	4.794	A

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 (W)	2531	633	200	2786	0.908	2529	2268	9.1	9.7	14.437	B
4 - Sullivan Drive	637	159	2473	323	1.969	323	256	81.3	159.6	1357.363	F
1 - Horsham Rd	1085	271	1536	1935	0.561	1085	1260	1.5	1.5	4.931	A
2 - A264 (E)	1210	302	1258	2150	0.563	1210	1363	1.6	1.6	4.797	A

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 (W)	2067	517	164	2814	0.734	2093	2047	9.7	3.0	5.467	A
4 - Sullivan Drive	520	130	2046	574	0.905	570	211	159.6	147.0	950.507	F
1 - Horsham Rd	886	222	1574	1906	0.465	888	1042	1.5	1.0	4.125	A
2 - A264 (E)	988	247	1221	2180	0.453	990	1241	1.6	1.0	3.799	A

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	106.70	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 (W)		ONE HOUR	✓	2203	100.000
4 - Sullivan Drive		ONE HOUR	✓	696	100.000
1 - Horsham Rd		ONE HOUR	✓	1585	100.000
2 - A264 (E)		ONE HOUR	✓	1013	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
		3 - A264 (W)	4 - Sullivan Drive	1 - Horsham Rd	2 - A264 (E)
From	3 - A264 (W)	0	247	1385	572
	4 - Sullivan Drive	318	99	0	279
	1 - Horsham Rd	1571	0.03	0	14
	2 - A264 (E)	774	160	79	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
From		3 - A264 (W)	4 - Sullivan Drive	1 - Horsham Rd	2 - A264 (E)
	3 - A264 (W)	0	13	6	3
	4 - Sullivan Drive	0	0	0	0
	1 - Horsham Rd	2	0	0	0
	2 - A264 (E)	12	6	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 (W)	0.90	14.19	9.1	B	2203	2203
4 - Sullivan Drive	1.66	768.26	156.6	F	696	696
1 - Horsham Rd	0.77	6.86	3.3	A	1585	1585
2 - A264 (E)	0.72	9.25	2.8	A	1013	1013

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 (W)	1981	495	301	2709	0.731	1976	2381	1.6	2.8	5.170	A
4 - Sullivan Drive	626	157	1825	704	0.889	608	452	1.4	6.0	32.791	D
1 - Horsham Rd	1425	356	1121	2255	0.632	1422	1313	1.0	1.7	4.389	A
2 - A264 (E)	910	228	1773	1731	0.526	908	769	0.7	1.2	4.802	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 (W)	2426	607	328	2687	0.903	2403	2785	2.8	8.6	12.508	B
4 - Sullivan Drive	767	192	2220	472	1.625	470	511	6.0	80.1	347.345	F
1 - Horsham Rd	1745	436	1094	2276	0.767	1739	1596	1.7	3.2	6.753	A
2 - A264 (E)	1115	279	2005	1542	0.723	1109	827	1.2	2.8	9.005	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 (W)	2426	607	329	2687	0.903	2424	2791	8.6	9.1	14.191	B
4 - Sullivan Drive	767	192	2239	461	1.664	461	513	80.1	156.6	768.257	F
1 - Horsham Rd	1745	436	1090	2279	0.765	1745	1610	3.2	3.3	6.860	A
2 - A264 (E)	1115	279	2005	1542	0.723	1115	829	2.8	2.8	9.254	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 (W)	1981	495	313	2699	0.734	2005	2430	9.1	3.0	5.686	A
4 - Sullivan Drive	626	157	1852	688	0.910	684	467	156.6	142.2	714.841	F
1 - Horsham Rd	1425	356	1204	2191	0.650	1430	1332	3.3	1.9	4.858	A
2 - A264 (E)	910	228	1827	1687	0.540	916	807	2.8	1.3	5.176	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	216.02	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 (W)		ONE HOUR	✓	2258	100.000
4 - Sullivan Drive		ONE HOUR	✓	635	100.000
1 - Horsham Rd		ONE HOUR	✓	986	100.000
2 - A264 (E)		ONE HOUR	✓	1147	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
		3 - A264 (W)	4 - Sullivan Drive	1 - Horsham Rd	2 - A264 (E)
From	3 - A264 (W)	0	135	1075	1049
	4 - Sullivan Drive	434	0	0	202
	1 - Horsham Rd	947	0	0	38
	2 - A264 (E)	943	83	121	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
From		3 - A264 (W)	4 - Sullivan Drive	1 - Horsham Rd	2 - A264 (E)
	3 - A264 (W)	0	0	6	4
	4 - Sullivan Drive	14	0	0	0
	1 - Horsham Rd	19	0	0	0
	2 - A264 (E)	32	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 (W)	0.90	13.12	8.7	B	2258	2258
4 - Sullivan Drive	2.15	1645.40	194.1	F	635	635
1 - Horsham Rd	0.55	4.76	1.4	A	986	986
2 - A264 (E)	0.59	5.10	1.8	A	1147	1147

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 (W)	2030	508	183	2799	0.725	2026	2065	1.6	2.7	4.845	A
4 - Sullivan Drive	571	143	2013	594	0.962	539	196	1.6	9.7	54.366	F
1 - Horsham Rd	886	221	1480	1979	0.448	885	1072	0.6	1.0	3.882	A
2 - A264 (E)	1031	258	1218	2183	0.472	1029	1146	0.7	1.1	3.894	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 (W)	2487	622	224	2767	0.899	2465	2306	2.7	8.2	11.681	B
4 - Sullivan Drive	700	175	2450	337	2.078	336	239	9.7	100.6	613.621	F
1 - Horsham Rd	1085	271	1480	1978	0.549	1083	1306	1.0	1.4	4.743	A
2 - A264 (E)	1262	316	1271	2140	0.590	1260	1293	1.1	1.8	5.093	A

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 (W)	2487	622	224	2767	0.899	2485	2303	8.2	8.7	13.123	B
4 - Sullivan Drive	700	175	2469	325	2.150	325	240	100.6	194.1	1645.397	F
1 - Horsham Rd	1085	271	1479	1979	0.548	1085	1315	1.4	1.4	4.756	A
2 - A264 (E)	1262	316	1265	2144	0.589	1262	1299	1.8	1.8	5.097	A

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 (W)	2030	508	184	2798	0.726	2054	2095	8.7	2.8	5.214	A
4 - Sullivan Drive	571	143	2040	578	0.989	575	198	194.1	193.3	1132.181	F
1 - Horsham Rd	886	221	1528	1941	0.456	888	1086	1.4	1.0	4.044	A
2 - A264 (E)	1031	258	1246	2160	0.477	1033	1170	1.8	1.1	3.997	A

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	41.64	E

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 (W)		ONE HOUR	✓	2253	100.000
4 - Sullivan Drive		ONE HOUR	✓	550	100.000
1 - Horsham Rd		ONE HOUR	✓	1602	100.000
2 - A264 (E)		ONE HOUR	✓	1052	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
		3 - A264 (W)	4 - Sullivan Drive	1 - Horsham Rd	2 - A264 (E)
From	3 - A264 (W)	0	331	1430	492
	4 - Sullivan Drive	301	0	0	248
	1 - Horsham Rd	1573	2	0	28
	2 - A264 (E)	818	167	66	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
From		3 - A264 (W)	4 - Sullivan Drive	1 - Horsham Rd	2 - A264 (E)
	3 - A264 (W)	0	9	6	3
	4 - Sullivan Drive	0	0	0	0
	1 - Horsham Rd	3	0	0	0
	2 - A264 (E)	11	6	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 (W)	0.91	14.22	9.3	B	2253	2253
4 - Sullivan Drive	1.23	316.52	59.3	F	550	550
1 - Horsham Rd	0.76	6.61	3.2	A	1602	1602
2 - A264 (E)	0.75	10.16	3.2	B	1052	1052

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 (W)	2026	506	211	2778	0.729	2021	2414	1.6	2.8	5.000	A
4 - Sullivan Drive	494	124	1783	729	0.678	489	449	0.8	2.0	14.759	B
1 - Horsham Rd	1441	360	930	2402	0.600	1438	1342	0.9	1.5	3.836	A
2 - A264 (E)	946	236	1682	1805	0.524	944	687	0.7	1.2	4.561	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 (W)	2481	620	257	2742	0.905	2457	2890	2.8	8.8	12.442	B
4 - Sullivan Drive	605	151	2168	502	1.204	491	546	2.0	30.5	137.589	F
1 - Horsham Rd	1764	441	1027	2327	0.758	1758	1632	1.5	3.1	6.433	A
2 - A264 (E)	1158	290	1997	1549	0.748	1150	788	1.2	3.1	9.702	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 (W)	2481	620	259	2741	0.905	2479	2901	8.8	9.3	14.216	B
4 - Sullivan Drive	605	151	2187	491	1.232	490	550	30.5	59.3	316.520	F
1 - Horsham Rd	1764	441	1031	2324	0.759	1764	1646	3.1	3.2	6.607	A
2 - A264 (E)	1158	290	2002	1544	0.750	1158	793	3.1	3.2	10.164	B

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 (W)	2026	506	213	2776	0.730	2052	2545	9.3	2.9	5.434	A
4 - Sullivan Drive	494	124	1810	713	0.693	701	455	59.3	7.5	178.287	F
1 - Horsham Rd	1441	360	1149	2234	0.645	1446	1362	3.2	1.9	4.734	A
2 - A264 (E)	946	236	1805	1705	0.555	953	789	3.2	1.4	5.287	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	272.56	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	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 (W)		ONE HOUR	✓	2412	100.000
4 - Sullivan Drive		ONE HOUR	✓	620	100.000
1 - Horsham Rd		ONE HOUR	✓	1023	100.000
2 - A264 (E)		ONE HOUR	✓	1131	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
		3 - A264 (W)	4 - Sullivan Drive	1 - Horsham Rd	2 - A264 (E)
From	3 - A264 (W)	0	151	1098	1163
	4 - Sullivan Drive	380	0	0	240
	1 - Horsham Rd	1000	0.01	0	23
	2 - A264 (E)	942	116	73	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
From		3 - A264 (W)	4 - Sullivan Drive	1 - Horsham Rd	2 - A264 (E)
	3 - A264 (W)	0	0	6	6
	4 - Sullivan Drive	17	0	17	0
	1 - Horsham Rd	17	0	0	0
	2 - A264 (E)	31	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 (W)	0.96	25.18	17.5	D	2412	2412
4 - Sullivan Drive	2.51	2165.55	224.5	F	620	620
1 - Horsham Rd	0.59	5.25	1.6	A	1023	1023
2 - A264 (E)	0.58	5.01	1.7	A	1131	1131

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 (W)	2168	542	170	2809	0.772	2162	2056	1.9	3.5	5.816	A
4 - Sullivan Drive	557	139	2092	547	1.018	511	240	1.7	13.3	75.846	F
1 - Horsham Rd	920	230	1553	1922	0.479	918	1050	0.7	1.1	4.175	A
2 - A264 (E)	1016	254	1210	2189	0.464	1015	1261	0.7	1.1	3.813	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 (W)	2656	664	208	2780	0.955	2610	2312	3.5	15.0	18.688	C
4 - Sullivan Drive	682	171	2526	292	2.336	292	291	13.3	110.9	783.411	F
1 - Horsham Rd	1127	282	1550	1925	0.585	1124	1268	1.1	1.6	5.229	A
2 - A264 (E)	1245	311	1277	2134	0.583	1242	1397	1.1	1.7	5.012	A

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 (W)	2656	664	208	2780	0.955	2646	2304	15.0	17.5	25.185	D
4 - Sullivan Drive	682	171	2560	272	2.509	272	294	110.9	213.5	2165.553	F
1 - Horsham Rd	1127	282	1548	1926	0.585	1127	1285	1.6	1.6	5.246	A
2 - A264 (E)	1245	311	1268	2143	0.581	1245	1407	1.7	1.7	4.994	A

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 (W)	2168	542	170	2809	0.772	2223	2064	17.5	3.7	7.087	A
4 - Sullivan Drive	557	139	2150	513	1.085	513	244	213.5	224.5	1348.068	F
1 - Horsham Rd	920	230	1585	1897	0.485	922	1078	1.6	1.1	4.310	A
2 - A264 (E)	1016	254	1215	2185	0.465	1019	1292	1.7	1.1	3.853	A

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	188.27	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 (W)		ONE HOUR	✓	2297	100.000
4 - Sullivan Drive		ONE HOUR	✓	725	100.000
1 - Horsham Rd		ONE HOUR	✓	1649	100.000
2 - A264 (E)		ONE HOUR	✓	1051	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
		3 - A264 (W)	4 - Sullivan Drive	1 - Horsham Rd	2 - A264 (E)
From	3 - A264 (W)	0	256	1443	599
	4 - Sullivan Drive	336	99	0	290
	1 - Horsham Rd	1636	0.04	0	13
	2 - A264 (E)	803	167	82	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
From		3 - A264 (W)	4 - Sullivan Drive	1 - Horsham Rd	2 - A264 (E)
	3 - A264 (W)	0	13	6	3
	4 - Sullivan Drive	0	0	0	0
	1 - Horsham Rd	2	0	0	0
	2 - A264 (E)	12	6	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 (W)	0.94	21.59	14.3	C	2297	2297
4 - Sullivan Drive	1.97	1384.31	208.8	F	725	725
1 - Horsham Rd	0.79	7.58	3.8	A	1649	1649
2 - A264 (E)	0.77	11.19	3.5	B	1051	1051

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 (W)	2065	516	307	2704	0.764	2059	2470	1.8	3.3	5.853	A
4 - Sullivan Drive	652	163	1903	658	0.990	612	462	1.8	11.7	56.667	F
1 - Horsham Rd	1482	371	1149	2234	0.664	1479	1367	1.1	2.0	4.841	A
2 - A264 (E)	945	236	1834	1681	0.562	943	793	0.8	1.4	5.340	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 (W)	2529	632	329	2687	0.941	2492	2867	3.3	12.7	17.024	C
4 - Sullivan Drive	798	200	2304	423	1.889	422	517	11.7	105.7	525.174	F
1 - Horsham Rd	1816	454	1071	2293	0.792	1809	1655	2.0	3.7	7.464	A
2 - A264 (E)	1157	289	2047	1508	0.768	1149	833	1.4	3.5	10.796	B

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 (W)	2529	632	329	2687	0.941	2523	2872	12.7	14.3	21.591	C
4 - Sullivan Drive	798	200	2332	406	1.966	406	520	105.7	203.8	1384.312	F
1 - Horsham Rd	1816	454	1063	2300	0.790	1815	1675	3.7	3.8	7.576	A
2 - A264 (E)	1157	289	2044	1510	0.766	1157	835	3.5	3.5	11.187	B

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 (W)	2065	516	312	2700	0.765	2108	2497	14.3	3.5	6.886	A
4 - Sullivan Drive	652	163	1948	632	1.031	632	472	203.8	208.8	1114.304	F
1 - Horsham Rd	1482	371	1181	2209	0.671	1489	1398	3.8	2.1	5.147	A
2 - A264 (E)	945	236	1856	1664	0.568	953	814	3.5	1.5	5.637	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	462.56	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	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 (W)		ONE HOUR	✓	2405	100.000
4 - Sullivan Drive		ONE HOUR	✓	752	100.000
1 - Horsham Rd		ONE HOUR	✓	946	100.000
2 - A264 (E)		ONE HOUR	✓	1162	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
		3 - A264 (W)	4 - Sullivan Drive	1 - Horsham Rd	2 - A264 (E)
From	3 - A264 (W)	0	190	930	1285
	4 - Sullivan Drive	475	0	0	278
	1 - Horsham Rd	926	0.01	0	20
	2 - A264 (E)	946	103	114	0

Vehicle Mix

Heavy Vehicle Percentages

From	To			
		3 - A264 (W)	4 - Sullivan Drive	1 - Horsham Rd
	3 - A264 (W)	0	0	7
	4 - Sullivan Drive	13	0	12
	1 - Horsham Rd	18	0	0
	2 - A264 (E)	31	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 (W)	0.96	27.19	18.8	D	2405	2405
4 - Sullivan Drive	3.00	3136.05	348.9	F	752	752
1 - Horsham Rd	0.57	5.43	1.6	A	946	946
2 - A264 (E)	0.58	4.85	1.7	A	1162	1162

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 (W)	2162	540	195	2790	0.775	2155	2021	1.9	3.5	5.911	A
4 - Sullivan Drive	676	169	2087	550	1.230	540	262	3.0	37.1	175.839	F
1 - Horsham Rd	851	213	1692	1815	0.469	849	936	0.7	1.0	4.376	A
2 - A264 (E)	1045	261	1172	2220	0.471	1044	1369	0.7	1.1	3.784	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 (W)	2647	662	238	2757	0.960	2598	2244	3.5	15.9	19.660	C
4 - Sullivan Drive	828	207	2518	297	2.793	297	318	37.1	170.1	1186.046	F
1 - Horsham Rd	1042	260	1685	1820	0.572	1040	1130	1.0	1.6	5.408	A
2 - A264 (E)	1280	320	1205	2193	0.584	1277	1520	1.1	1.7	4.855	A

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 (W)	2647	662	239	2756	0.961	2636	2235	15.9	18.8	27.188	D
4 - Sullivan Drive	828	207	2553	276	3.002	276	321	170.1	308.2	3136.048	F
1 - Horsham Rd	1042	260	1685	1821	0.572	1042	1145	1.6	1.6	5.434	A
2 - A264 (E)	1280	320	1194	2202	0.581	1280	1532	1.7	1.7	4.832	A

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 (W)	2162	540	195	2789	0.775	2222	2011	18.8	3.7	7.370	A
4 - Sullivan Drive	676	169	2149	513	1.317	513	268	308.2	348.9	1877.478	F
1 - Horsham Rd	851	213	1701	1808	0.471	853	962	1.6	1.1	4.440	A
2 - A264 (E)	1045	261	1159	2231	0.468	1048	1395	1.7	1.1	3.776	A

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	147.70	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 (W)		ONE HOUR	✓	2354	100.000
4 - Sullivan Drive		ONE HOUR	✓	728	100.000
1 - Horsham Rd		ONE HOUR	✓	1750	100.000
2 - A264 (E)		ONE HOUR	✓	1118	100.000

Origin-Destination Data

Demand (PCU/hr)

	To				
		3 - A264 (W)	4 - Sullivan Drive	1 - Horsham Rd	2 - A264 (E)
From	3 - A264 (W)	0	353	1458	542
	4 - Sullivan Drive	335	99	0	294
	1 - Horsham Rd	1740	0.04	0	10
	2 - A264 (E)	850	179	89	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
From		3 - A264 (W)	4 - Sullivan Drive	1 - Horsham Rd	2 - A264 (E)
	3 - A264 (W)	0	6	7	3
	4 - Sullivan Drive	0	0	0	0
	1 - Horsham Rd	3	0	0	0
	2 - A264 (E)	11	6	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 (W)	0.97	32.64	22.3	D	2354	2354
4 - Sullivan Drive	1.85	1045.87	194.3	F	728	728
1 - Horsham Rd	0.83	9.21	4.8	A	1750	1750
2 - A264 (E)	0.88	21.78	7.1	C	1118	1118

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 (W)	2116	529	324	2690	0.787	2109	2607	1.9	3.8	6.472	A
4 - Sullivan Drive	655	164	1872	677	0.967	621	561	1.7	10.1	48.842	E
1 - Horsham Rd	1573	393	1107	2266	0.694	1569	1386	1.3	2.3	5.288	A
2 - A264 (E)	1005	251	1930	1603	0.627	1001	745	0.9	1.8	6.495	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 (W)	2592	648	352	2669	0.971	2535	3035	3.8	18.1	22.292	C
4 - Sullivan Drive	802	200	2250	454	1.766	453	636	10.1	97.2	449.740	F
1 - Horsham Rd	1927	482	1037	2320	0.831	1917	1667	2.3	4.8	8.982	A
2 - A264 (E)	1231	308	2176	1403	0.877	1211	778	1.8	6.6	18.890	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 (W)	2592	648	354	2668	0.971	2575	3049	18.1	22.3	32.641	D
4 - Sullivan Drive	802	200	2286	433	1.851	433	642	97.2	189.3	958.977	F
1 - Horsham Rd	1927	482	1026	2328	0.828	1926	1693	4.8	4.8	9.208	A
2 - A264 (E)	1231	308	2174	1405	0.876	1229	779	6.6	7.1	21.782	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 (W)	2116	529	332	2684	0.788	2189	2645	22.3	4.1	8.793	A
4 - Sullivan Drive	655	164	1942	635	1.030	635	579	189.3	194.3	1045.867	F
1 - Horsham Rd	1573	393	1139	2241	0.702	1583	1438	4.8	2.5	5.708	A
2 - A264 (E)	1005	251	1952	1585	0.634	1025	770	7.1	1.9	7.273	A