

Junctions 11
ARCADY 11 - Roundabout Module
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Filename: J20 A26 Seven Mile Ln.j11
Path: \\uk-lon-fas02\projects\UNIF\Projects\BESP0016 Kent Countywide Model\KCC Model Custodian Framework\Call-off Tasks\Tonbridge & Malling and Sevenoaks LP\15 Local Modelling\July 2025 Modelling\J20_A26_Seven Mile Lane
Report generation date: 24.07.2025 15:13:00

- »D1 - 2019 | Base | AM
- »D2 - 2019 | Base | PM
- »D3 - 2040 | Future Base | AM
- »D4 - 2040 | Future Base | PM
- »D5 - 2040 | LP test 2 | AM
- »D6 - 2040 | LP test 2 | PM
- »D7 - 2040 | T&M LP_High | AM
- »D8 - 2040 | T&M LP_High | PM
- »D9 - 2042 | Forecast Baseline | AM
- »D10 - 2042 | Forecast Baseline | PM

Summary of junction performance

	AM						PM					
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Network Residual Capacity	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Network Residual Capacity
	2019 - Base											
1 - A26 Tonbridge Rd	D1	4,4	12,96	0,81	B	3 % [1 - A26 Tonbridge Rd]	D2	2,1	7,25	0,67	A	7 % [3 - A228 Seven Mile Ln]
2 - Access Rd		0,0	0,00	0,00	A			0,0	0,00	0,00	A	
3 - A228 Seven Mile Ln		2,5	10,17	0,70	B			3,5	11,97	0,77	B	
4 - A26 Tonbridge Rd		1,2	6,54	0,53	A			2,0	9,92	0,66	A	
5 - B2016 Seven Mile Ln		1,7	9,48	0,61	A			1,7	11,04	0,61	B	
	2040 - Future Base											
1 - A26 Tonbridge Rd	D3	20,6	53,50	0,98	F	-11 % [1 - A26 Tonbridge Rd]	D4	3,7	11,05	0,78	B	-9 % [3 - A228 Seven Mile Ln]
2 - Access Rd		0,0	0,00	0,00	A			0,0	0,00	0,00	A	
3 - A228 Seven Mile Ln		7,0	25,66	0,88	D			14,0	42,93	0,95	E	
4 - A26 Tonbridge Rd		1,8	8,85	0,63	A			9,0	36,49	0,92	E	
5 - B2016 Seven Mile Ln		4,2	19,71	0,81	C			2,7	16,08	0,72	C	
	2040 - LP test 2											
1 - A26 Tonbridge Rd	D5	38,9	89,42	1,03	F	-14 % [1 - A26 Tonbridge Rd]	D6	4,6	13,33	0,82	B	-13 % [3 - A228 Seven Mile Ln]
2 - Access Rd		0,0	0,00	0,00	A			0,0	0,00	0,00	A	
3 - A228 Seven Mile Ln		10,0	35,67	0,92	E			31,1	82,82	1,02	F	
4 - A26 Tonbridge Rd		2,1	10,00	0,67	A			12,9	50,31	0,95	F	
5 - B2016 Seven Mile Ln		4,9	22,52	0,83	C			3,0	17,72	0,74	C	
	2040 - T&M LP_High											
1 - A26 Tonbridge Rd	D7	26,1	65,89	1,00	F	-13 % [3 - A228 Seven Mile Ln]	D8	4,0	12,46	0,80	B	-10 % [3 - A228 Seven Mile Ln]
2 - Access Rd		0,0	0,00	0,00	A			0,0	0,00	0,00	A	
3 - A228 Seven Mile Ln		35,7	99,68	1,03	F			16,7	50,34	0,97	F	
4 - A26 Tonbridge Rd		5,3	21,68	0,84	C			10,0	39,29	0,93	E	
5 - B2016 Seven Mile Ln		5,2	25,08	0,84	D			3,8	20,45	0,79	C	
	2042 - Forecast Baseline											
1 - A26 Tonbridge Rd	D9	24,8	63,26	0,99	F	-12 % [1 - A26 Tonbridge Rd]	D10	2,5	8,37	0,71	A	-4 % [3 - A228 Seven Mile Ln]
2 - Access Rd		0,0	0,00	0,00	A			0,0	0,00	0,00	A	
3 - A228 Seven Mile Ln		16,8	55,01	0,97	F			7,5	23,96	0,89	C	
4 - A26 Tonbridge Rd		2,9	12,96	0,73	B			8,3	32,56	0,91	D	
5 - B2016 Seven Mile Ln		4,4	21,07	0,81	C			2,5	14,90	0,71	B	

Values shown are the highest values encountered over all time segments. Delay is the maximum value of average delay per arriving vehicle. Network Residual Capacity indicates the amount by which network flow could be increased before a user-definable threshold (see Analysis Options) is met.

File summary

File Description

Title	
Location	
Site number	
Date	19.07.2024
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	JEGINTL\siudzis
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

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Show lane queues in feet / metres	Show all PICADY stream intercepts	Calculate residual capacity	Residual capacity criteria type	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)	Use simulation for HCM roundabouts	Use iterations for HCM roundabouts
5,75					✓	RFC/DOS	0,85	36,00	20,00		

Demand Set Summary

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2019	Base	AM	ONE HOUR	08:00	09:30	15	✓
D2	2019	Base	PM	ONE HOUR	17:00	18:30	15	✓
D3	2040	Future Base	AM	ONE HOUR	08:00	09:30	15	✓
D4	2040	Future Base	PM	ONE HOUR	17:00	18:30	15	✓
D5	2040	LP test 2	AM	ONE HOUR	08:00	09:30	15	✓
D6	2040	LP test 2	PM	ONE HOUR	17:00	18:30	15	✓
D7	2040	T&M LP_High	AM	ONE HOUR	08:00	09:30	15	✓
D8	2040	T&M LP_High	PM	ONE HOUR	17:00	18:30	15	✓
D9	2042	Forecast Baseline	AM	ONE HOUR	08:00	09:30	15	✓
D10	2042	Forecast Baseline	PM	ONE HOUR	17:00	18:30	15	✓

Analysis Set Details

ID	Include in report	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	✓	100,000	100,000

D1 - 2019 | Base | AM

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	10,37	B

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	3	1 - A26 Tonbridge Rd	10,37	B

Arms

Arms

Arm	Name	Description	No give-way line
1	A26 Tonbridge Rd		
2	Access Rd		
3	A228 Seven Mile Ln		
4	A26 Tonbridge Rd		
5	B2016 Seven Mile Ln		

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)	Entry only	Exit only
1 - A26 Tonbridge Rd	3,83	7,96	15,9	18,3	57,2	16,0		
2 - Access Rd	2,50	4,72	2,5	7,0	57,2	17,0		
3 - A228 Seven Mile Ln	4,75	8,70	5,8	11,0	57,2	23,5		
4 - A26 Tonbridge Rd	3,85	7,65	22,0	22,3	57,2	56,0		
5 - B2016 Seven Mile Ln	4,14	8,51	5,6	13,3	57,2	20,5		

Slope / Intercept / Capacity

Roundabout Slope and Intercept used in model

Arm	Final slope	Final intercept (PCU/hr)
1 - A26 Tonbridge Rd	0,625	1924
2 - Access Rd	0,416	890
3 - A228 Seven Mile Ln	0,583	1784
4 - A26 Tonbridge Rd	0,558	1746
5 - B2016 Seven Mile Ln	0,566	1647

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

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2019	Base	AM	ONE HOUR	08:00	09:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1 - A26 Tonbridge Rd		ONE HOUR	✓	1150	100,000
2 - Access Rd		ONE HOUR	✓	1	100,000
3 - A228 Seven Mile Ln		ONE HOUR	✓	830	100,000
4 - A26 Tonbridge Rd		ONE HOUR	✓	598	100,000
5 - B2016 Seven Mile Ln		ONE HOUR	✓	581	100,000

Origin-Destination Data

Demand (PCU/hr)

		To				
From		1 - A26 Tonbridge Rd	2 - Access Rd	3 - A228 Seven Mile Ln	4 - A26 Tonbridge Rd	5 - B2016 Seven Mile Ln
	1 - A26 Tonbridge Rd	0	0	557	559	34
	2 - Access Rd	0	0	0	0	1
	3 - A228 Seven Mile Ln	471	0	0	41	318
	4 - A26 Tonbridge Rd	471	0	26	0	101
	5 - B2016 Seven Mile Ln	76	1	351	153	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2,00

Heavy Vehicle %

		To				
From		1 - A26 Tonbridge Rd	2 - Access Rd	3 - A228 Seven Mile Ln	4 - A26 Tonbridge Rd	5 - B2016 Seven Mile Ln
	1 - A26 Tonbridge Rd	0	0	8	4	15
	2 - Access Rd	0	0	0	0	0
	3 - A228 Seven Mile Ln	12	0	0	12	9
	4 - A26 Tonbridge Rd	6	0	0	0	6
	5 - B2016 Seven Mile Ln	8	0	8	3	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)
1 - A26 Tonbridge Rd	0,81	12,96	4,4	B	1055	1583
2 - Access Rd	0,00	0,00	0,0	A	0	0
3 - A228 Seven Mile Ln	0,70	10,17	2,5	B	762	1142
4 - A26 Tonbridge Rd	0,53	6,54	1,2	A	549	823
5 - B2016 Seven Mile Ln	0,61	9,48	1,7	A	533	800

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
1 - A26 Tonbridge Rd	866	216	398	1676	0,517	861	763	0,0	1,1	4,670	A
2 - Access Rd	0	0	1258	366	0,000	0	1	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	625	156	559	1458	0,429	622	700	0,0	0,8	4,751	A
4 - A26 Tonbridge Rd	450	113	616	1402	0,321	448	564	0,0	0,5	3,984	A
5 - B2016 Seven Mile Ln	437	109	725	1236	0,354	435	339	0,0	0,6	4,776	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
1 - A26 Tonbridge Rd	1034	258	476	1627	0,636	1031	913	1,1	1,8	6,389	A
2 - Access Rd	0	0	1506	263	0,000	0	1	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	746	187	669	1394	0,535	744	838	0,8	1,3	6,126	A
4 - A26 Tonbridge Rd	538	134	738	1334	0,403	537	675	0,5	0,7	4,770	A
5 - B2016 Seven Mile Ln	522	131	869	1155	0,452	521	406	0,6	0,9	6,040	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
1 - A26 Tonbridge Rd	1266	317	582	1561	0,811	1256	1116	1,8	4,3	12,189	B
2 - Access Rd	0	0	1837	125	0,000	0	1	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	914	228	816	1309	0,698	909	1022	1,3	2,5	9,866	A
4 - A26 Tonbridge Rd	658	165	901	1243	0,530	657	823	0,7	1,2	6,472	A
5 - B2016 Seven Mile Ln	640	160	1061	1046	0,611	637	496	0,9	1,6	9,299	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
1 - A26 Tonbridge Rd	1266	317	585	1559	0,812	1266	1121	4,3	4,4	12,960	B
2 - Access Rd	0	0	1849	121	0,000	0	1	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	914	228	821	1305	0,700	914	1028	2,5	2,5	10,172	B
4 - A26 Tonbridge Rd	658	165	906	1240	0,531	658	829	1,2	1,2	6,542	A
5 - B2016 Seven Mile Ln	640	160	1066	1044	0,613	640	499	1,6	1,7	9,484	A

09:00 - 09:15

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
1 - A26 Tonbridge Rd	1034	258	480	1624	0,637	1044	920	4,4	1,9	6,699	A
2 - Access Rd	0	0	1523	256	0,000	0	1	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	746	187	677	1389	0,537	751	846	2,5	1,3	6,296	A
4 - A26 Tonbridge Rd	538	134	745	1330	0,404	539	683	1,2	0,7	4,827	A
5 - B2016 Seven Mile Ln	522	131	875	1152	0,453	525	410	1,7	0,9	6,156	A

09:15 - 09:30

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
1 - A26 Tonbridge Rd	866	216	401	1674	0,517	869	768	1,9	1,2	4,769	A
2 - Access Rd	0	0	1269	362	0,000	0	1	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	625	156	563	1455	0,429	627	705	1,3	0,8	4,826	A
4 - A26 Tonbridge Rd	450	113	621	1399	0,322	451	569	0,7	0,5	4,019	A
5 - B2016 Seven Mile Ln	437	109	731	1233	0,355	439	342	0,9	0,6	4,836	A

D2 - 2019 | Base | PM

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	9,92	A

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	7	3 - A228 Seven Mile Ln	9,92	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	2019	Base	PM	ONE HOUR	17:00	18:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1 - A26 Tonbridge Rd		ONE HOUR	✓	976	100,000
2 - Access Rd		ONE HOUR	✓	0	100,000
3 - A228 Seven Mile Ln		ONE HOUR	✓	988	100,000
4 - A26 Tonbridge Rd		ONE HOUR	✓	671	100,000
5 - B2016 Seven Mile Ln		ONE HOUR	✓	516	100,000

Origin-Destination Data

Demand (PCU/hr)

	To					
		1 - A26 Tonbridge Rd	2 - Access Rd	3 - A228 Seven Mile Ln	4 - A26 Tonbridge Rd	5 - B2016 Seven Mile Ln
From	1 - A26 Tonbridge Rd	1	0	462	469	44
	2 - Access Rd	0	0	0	0	0
	3 - A228 Seven Mile Ln	603	0	0	23	362
	4 - A26 Tonbridge Rd	530	0	24	0	117
	5 - B2016 Seven Mile Ln	90	0	357	69	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2,00

Heavy Vehicle %

From	To					
		1 - A26 Tonbridge Rd	2 - Access Rd	3 - A228 Seven Mile Ln	4 - A26 Tonbridge Rd	5 - B2016 Seven Mile Ln
	1 - A26 Tonbridge Rd	0	0	13	5	9
	2 - Access Rd	0	0	0	0	0
	3 - A228 Seven Mile Ln	9	0	0	9	5
	4 - A26 Tonbridge Rd	6	0	17	0	8
	5 - B2016 Seven Mile Ln	4	0	11	12	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)
1 - A26 Tonbridge Rd	0,67	7,25	2,1	A	896	1343
2 - Access Rd	0,00	0,00	0,0	A	0	0
3 - A228 Seven Mile Ln	0,77	11,97	3,5	B	907	1360
4 - A26 Tonbridge Rd	0,66	9,92	2,0	A	616	924
5 - B2016 Seven Mile Ln	0,61	11,04	1,7	B	473	710

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
1 - A26 Tonbridge Rd	735	184	337	1714	0,429	732	917	0,0	0,8	3,976	A
2 - Access Rd	0	0	1068	445	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	744	186	437	1529	0,486	740	632	0,0	1,0	4,878	A
4 - A26 Tonbridge Rd	505	126	756	1324	0,382	503	420	0,0	0,7	4,663	A
5 - B2016 Seven Mile Ln	388	97	867	1156	0,336	386	392	0,0	0,6	5,121	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
1 - A26 Tonbridge Rd	877	219	404	1672	0,525	876	1098	0,8	1,2	4,912	A
2 - Access Rd	0	0	1279	358	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	888	222	523	1479	0,601	886	756	1,0	1,6	6,498	A
4 - A26 Tonbridge Rd	603	151	906	1240	0,486	602	503	0,7	1,0	6,003	A
5 - B2016 Seven Mile Ln	464	116	1038	1059	0,438	463	469	0,6	0,8	6,614	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
1 - A26 Tonbridge Rd	1075	269	493	1616	0,665	1071	1340	1,2	2,1	7,134	A
2 - Access Rd	0	0	1563	239	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1088	272	640	1411	0,771	1080	924	1,6	3,4	11,452	B
4 - A26 Tonbridge Rd	739	185	1105	1129	0,654	735	615	1,0	2,0	9,649	A
5 - B2016 Seven Mile Ln	568	142	1267	930	0,611	565	572	0,8	1,7	10,733	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
1 - A26 Tonbridge Rd	1075	269	495	1615	0,666	1074	1347	2,1	2,1	7,246	A
2 - Access Rd	0	0	1570	237	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1088	272	642	1410	0,772	1087	928	3,4	3,5	11,967	B
4 - A26 Tonbridge Rd	739	185	1112	1125	0,657	739	618	2,0	2,0	9,923	A
5 - B2016 Seven Mile Ln	568	142	1275	926	0,614	568	576	1,7	1,7	11,040	B

18:00 - 18:15

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
1 - A26 Tonbridge Rd	877	219	407	1670	0,526	881	1109	2,1	1,2	4,991	A
2 - Access Rd	0	0	1289	354	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	888	222	526	1477	0,601	896	762	3,5	1,7	6,739	A
4 - A26 Tonbridge Rd	603	151	915	1235	0,489	607	507	2,0	1,0	6,158	A
5 - B2016 Seven Mile Ln	464	116	1049	1053	0,440	467	474	1,7	0,9	6,784	A

18:15 - 18:30

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
1 - A26 Tonbridge Rd	735	184	340	1712	0,429	736	924	1,2	0,8	4,022	A
2 - Access Rd	0	0	1076	442	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	744	186	440	1528	0,487	746	636	1,7	1,0	4,969	A
4 - A26 Tonbridge Rd	505	126	763	1320	0,383	507	423	1,0	0,7	4,731	A
5 - B2016 Seven Mile Ln	388	97	875	1152	0,337	390	395	0,9	0,6	5,197	A

D3 - 2040 | Future Base | AM

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	31,29	D

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	-11	1 - A26 Tonbridge Rd	31,29	D

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	2040	Future Base	AM	ONE HOUR	08:00	09:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1 - A26 Tonbridge Rd		ONE HOUR	✓	1298	100,000
2 - Access Rd		ONE HOUR	✓	1	100,000
3 - A228 Seven Mile Ln		ONE HOUR	✓	953	100,000
4 - A26 Tonbridge Rd		ONE HOUR	✓	670	100,000
5 - B2016 Seven Mile Ln		ONE HOUR	✓	727	100,000

Origin-Destination Data

Demand (PCU/hr)

		To				
From		1 - A26 Tonbridge Rd	2 - Access Rd	3 - A228 Seven Mile Ln	4 - A26 Tonbridge Rd	5 - B2016 Seven Mile Ln
	1 - A26 Tonbridge Rd	0	0	596	668	34
	2 - Access Rd	0	0	0	0	1
	3 - A228 Seven Mile Ln	525	0	0	41	387
	4 - A26 Tonbridge Rd	503	0	26	0	141
	5 - B2016 Seven Mile Ln	76	1	423	227	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2,00

Heavy Vehicle %

From	To					
		1 - A26 Tonbridge Rd	2 - Access Rd	3 - A228 Seven Mile Ln	4 - A26 Tonbridge Rd	5 - B2016 Seven Mile Ln
	1 - A26 Tonbridge Rd	0	0	9	4	15
	2 - Access Rd	0	0	0	0	0
	3 - A228 Seven Mile Ln	12	0	0	12	7
	4 - A26 Tonbridge Rd	6	0	0	0	5
	5 - B2016 Seven Mile Ln	8	0	8	3	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)
1 - A26 Tonbridge Rd	0,98	53,50	20,6	F	1191	1787
2 - Access Rd	0,00	0,00	0,0	A	0	0
3 - A228 Seven Mile Ln	0,88	25,66	7,0	D	874	1312
4 - A26 Tonbridge Rd	0,63	8,85	1,8	A	615	922
5 - B2016 Seven Mile Ln	0,81	19,71	4,2	C	667	1001

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
1 - A26 Tonbridge Rd	977	244	506	1608	0,608	971	826	0,0	1,6	5,961	A
2 - Access Rd	0	0	1476	276	0,000	0	1	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	717	179	695	1379	0,520	713	782	0,0	1,2	5,899	A
4 - A26 Tonbridge Rd	504	126	708	1351	0,373	502	700	0,0	0,6	4,464	A
5 - B2016 Seven Mile Ln	547	137	789	1200	0,456	544	420	0,0	0,9	5,800	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
1 - A26 Tonbridge Rd	1167	292	606	1545	0,755	1161	989	1,6	3,1	9,848	A
2 - Access Rd	0	0	1766	155	0,000	0	1	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	857	214	831	1299	0,659	853	935	1,2	2,1	8,796	A
4 - A26 Tonbridge Rd	602	151	847	1273	0,473	601	837	0,6	0,9	5,644	A
5 - B2016 Seven Mile Ln	654	163	945	1112	0,588	651	503	0,9	1,5	8,258	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
1 - A26 Tonbridge Rd	1429	357	736	1464	0,976	1380	1203	3,1	15,4	34,147	D
2 - Access Rd	0	0	2115	10	0,000	0	1	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1049	262	993	1205	0,871	1033	1122	2,1	6,3	21,165	C
4 - A26 Tonbridge Rd	738	184	1024	1174	0,628	734	1001	0,9	1,7	8,580	A
5 - B2016 Seven Mile Ln	800	200	1149	997	0,803	791	610	1,5	3,9	17,768	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
1 - A26 Tonbridge Rd	1429	357	744	1459	0,980	1409	1214	15,4	20,6	53,497	F
2 - Access Rd	0	0	2152	0	0,000	0	1	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1049	262	1011	1194	0,879	1046	1141	6,3	7,0	25,662	D
4 - A26 Tonbridge Rd	738	184	1038	1166	0,632	737	1020	1,7	1,8	8,851	A
5 - B2016 Seven Mile Ln	800	200	1159	991	0,807	799	617	3,9	4,2	19,708	C

09:00 - 09:15

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
1 - A26 Tonbridge Rd	1167	292	618	1538	0,759	1235	1006	20,6	3,5	15,317	C
2 - Access Rd	0	0	1852	119	0,000	0	1	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	857	214	875	1274	0,673	876	977	7,0	2,3	10,381	B
4 - A26 Tonbridge Rd	602	151	870	1260	0,478	606	881	1,8	1,0	5,833	A
5 - B2016 Seven Mile Ln	654	163	960	1103	0,592	664	515	4,2	1,6	8,915	A

09:15 - 09:30

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
1 - A26 Tonbridge Rd	977	244	512	1604	0,609	985	835	3,5	1,7	6,261	A
2 - Access Rd	0	0	1496	267	0,000	0	1	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	717	179	704	1373	0,522	722	792	2,3	1,2	6,116	A
4 - A26 Tonbridge Rd	504	126	717	1346	0,375	506	709	1,0	0,6	4,530	A
5 - B2016 Seven Mile Ln	547	137	797	1196	0,458	550	425	1,6	0,9	5,955	A

D4 - 2040 | Future Base | PM

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	27,63	D

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	-9	3 - A228 Seven Mile Ln	27,63	D

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	2040	Future Base	PM	ONE HOUR	17:00	18:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1 - A26 Tonbridge Rd		ONE HOUR	✓	1115	100,000
2 - Access Rd		ONE HOUR	✓	0	100,000
3 - A228 Seven Mile Ln		ONE HOUR	✓	1136	100,000
4 - A26 Tonbridge Rd		ONE HOUR	✓	865	100,000
5 - B2016 Seven Mile Ln		ONE HOUR	✓	569	100,000

Origin-Destination Data

Demand (PCU/hr)

		To				
From		1 - A26 Tonbridge Rd	2 - Access Rd	3 - A228 Seven Mile Ln	4 - A26 Tonbridge Rd	5 - B2016 Seven Mile Ln
	1 - A26 Tonbridge Rd	1	0	502	568	44
	2 - Access Rd	0	0	0	0	0
	3 - A228 Seven Mile Ln	631	0	0	23	482
	4 - A26 Tonbridge Rd	603	0	24	0	238
	5 - B2016 Seven Mile Ln	90	0	361	118	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2,00

Heavy Vehicle %

From	To					
		1 - A26 Tonbridge Rd	2 - Access Rd	3 - A228 Seven Mile Ln	4 - A26 Tonbridge Rd	5 - B2016 Seven Mile Ln
	1 - A26 Tonbridge Rd	0	0	12	5	9
	2 - Access Rd	0	0	0	0	0
	3 - A228 Seven Mile Ln	8	0	0	9	4
	4 - A26 Tonbridge Rd	5	0	17	0	4
	5 - B2016 Seven Mile Ln	4	0	11	7	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)
1 - A26 Tonbridge Rd	0,78	11,05	3,7	B	1023	1535
2 - Access Rd	0,00	0,00	0,0	A	0	0
3 - A228 Seven Mile Ln	0,95	42,93	14,0	E	1042	1564
4 - A26 Tonbridge Rd	0,92	36,49	9,0	E	794	1191
5 - B2016 Seven Mile Ln	0,72	16,08	2,7	C	522	783

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
1 - A26 Tonbridge Rd	839	210	376	1689	0,497	835	991	0,0	1,1	4,539	A
2 - Access Rd	0	0	1211	386	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	855	214	547	1465	0,584	849	664	0,0	1,5	6,161	A
4 - A26 Tonbridge Rd	651	163	866	1262	0,516	647	531	0,0	1,1	6,100	A
5 - B2016 Seven Mile Ln	428	107	941	1114	0,384	426	571	0,0	0,7	5,677	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
1 - A26 Tonbridge Rd	1002	251	451	1643	0,610	1000	1185	1,1	1,7	6,038	A
2 - Access Rd	0	0	1451	286	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1021	255	655	1402	0,729	1016	795	1,5	2,7	9,790	A
4 - A26 Tonbridge Rd	778	194	1036	1168	0,666	774	636	1,1	2,0	9,513	A
5 - B2016 Seven Mile Ln	512	128	1126	1010	0,507	510	684	0,7	1,1	7,822	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
1 - A26 Tonbridge Rd	1228	307	548	1581	0,776	1220	1423	1,7	3,6	10,557	B
2 - Access Rd	0	0	1768	154	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1251	313	799	1318	0,949	1216	969	2,7	11,5	30,430	D
4 - A26 Tonbridge Rd	952	238	1240	1054	0,904	931	775	2,0	7,5	27,048	D
5 - B2016 Seven Mile Ln	626	157	1351	883	0,710	621	820	1,1	2,5	14,677	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
1 - A26 Tonbridge Rd	1228	307	553	1579	0,778	1227	1449	3,6	3,7	11,049	B
2 - Access Rd	0	0	1780	149	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1251	313	804	1315	0,951	1241	976	11,5	14,0	42,933	E
4 - A26 Tonbridge Rd	952	238	1265	1040	0,916	946	780	7,5	9,0	36,494	E
5 - B2016 Seven Mile Ln	626	157	1376	868	0,721	626	835	2,5	2,7	16,078	C

18:00 - 18:15

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
1 - A26 Tonbridge Rd	1002	251	458	1638	0,612	1010	1235	3,7	1,7	6,280	A
2 - Access Rd	0	0	1468	279	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1021	255	663	1398	0,731	1065	805	14,0	3,0	12,938	B
4 - A26 Tonbridge Rd	778	194	1085	1140	0,682	804	643	9,0	2,3	12,087	B
5 - B2016 Seven Mile Ln	512	128	1176	982	0,521	518	713	2,7	1,2	8,558	A

18:15 - 18:30

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
1 - A26 Tonbridge Rd	839	210	381	1686	0,498	842	1004	1,7	1,1	4,627	A
2 - Access Rd	0	0	1223	381	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	855	214	552	1462	0,585	861	670	3,0	1,5	6,431	A
4 - A26 Tonbridge Rd	651	163	878	1256	0,519	656	536	2,3	1,1	6,350	A
5 - B2016 Seven Mile Ln	428	107	955	1107	0,387	430	579	1,2	0,7	5,820	A

D5 - 2040 | LP test 2 | AM

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	47,38	E

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	-14	1 - A26 Tonbridge Rd	47,38	E

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D5	2040	LP test 2	AM	ONE HOUR	08:00	09:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1 - A26 Tonbridge Rd		ONE HOUR	✓	1345	100,000
2 - Access Rd		ONE HOUR	✓	1	100,000
3 - A228 Seven Mile Ln		ONE HOUR	✓	982	100,000
4 - A26 Tonbridge Rd		ONE HOUR	✓	704	100,000
5 - B2016 Seven Mile Ln		ONE HOUR	✓	754	100,000

Origin-Destination Data

Demand (PCU/hr)

	To					
		1 - A26 Tonbridge Rd	2 - Access Rd	3 - A228 Seven Mile Ln	4 - A26 Tonbridge Rd	5 - B2016 Seven Mile Ln
From	1 - A26 Tonbridge Rd	0	0	596	715	34
	2 - Access Rd	0	0	0	0	1
	3 - A228 Seven Mile Ln	511	0	0	41	430
	4 - A26 Tonbridge Rd	512	0	26	0	166
	5 - B2016 Seven Mile Ln	76	1	448	229	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2,00

Heavy Vehicle %

From	To					
		1 - A26 Tonbridge Rd	2 - Access Rd	3 - A228 Seven Mile Ln	4 - A26 Tonbridge Rd	5 - B2016 Seven Mile Ln
	1 - A26 Tonbridge Rd	0	0	9	3	15
	2 - Access Rd	0	0	0	0	0
	3 - A228 Seven Mile Ln	12	0	0	12	7
	4 - A26 Tonbridge Rd	5	0	0	0	4
	5 - B2016 Seven Mile Ln	8	0	8	3	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)
1 - A26 Tonbridge Rd	1,03	89,42	38,9	F	1234	1851
2 - Access Rd	0,00	0,00	0,0	A	0	0
3 - A228 Seven Mile Ln	0,92	35,67	10,0	E	901	1352
4 - A26 Tonbridge Rd	0,67	10,00	2,1	A	646	969
5 - B2016 Seven Mile Ln	0,83	22,52	4,9	C	692	1038

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
1 - A26 Tonbridge Rd	1013	253	527	1595	0,635	1005	822	0,0	1,8	6,387	A
2 - Access Rd	0	0	1531	253	0,000	0	1	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	739	185	731	1358	0,545	734	800	0,0	1,3	6,286	A
4 - A26 Tonbridge Rd	530	133	729	1339	0,396	527	736	0,0	0,7	4,624	A
5 - B2016 Seven Mile Ln	568	142	785	1203	0,472	564	471	0,0	0,9	5,963	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
1 - A26 Tonbridge Rd	1209	302	630	1530	0,790	1201	984	1,8	3,8	11,319	B
2 - Access Rd	0	0	1831	128	0,000	0	1	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	883	221	874	1274	0,693	878	957	1,3	2,4	9,868	A
4 - A26 Tonbridge Rd	633	158	872	1259	0,503	631	880	0,7	1,0	5,989	A
5 - B2016 Seven Mile Ln	678	169	940	1115	0,608	675	564	0,9	1,6	8,652	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
1 - A26 Tonbridge Rd	1481	370	764	1447	1,024	1398	1193	3,8	24,5	47,596	E
2 - Access Rd	0	0	2161	0	0,000	0	1	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1081	270	1027	1185	0,912	1057	1134	2,4	8,4	26,891	D
4 - A26 Tonbridge Rd	775	194	1048	1161	0,668	771	1036	1,0	2,0	9,566	A
5 - B2016 Seven Mile Ln	830	208	1139	1002	0,828	818	680	1,6	4,6	19,691	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
1 - A26 Tonbridge Rd	1481	370	774	1441	1,028	1424	1206	24,5	38,9	89,422	F
2 - Access Rd	0	0	2196	0	0,000	0	1	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1081	270	1044	1175	0,920	1075	1152	8,4	10,0	35,672	E
4 - A26 Tonbridge Rd	775	194	1066	1151	0,674	775	1053	2,0	2,1	9,995	A
5 - B2016 Seven Mile Ln	830	208	1151	995	0,834	829	689	4,6	4,9	22,519	C

09:00 - 09:15

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
1 - A26 Tonbridge Rd	1209	302	645	1521	0,795	1347	1007	38,9	4,5	34,627	D
2 - Access Rd	0	0	1990	62	0,000	0	1	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	883	221	960	1224	0,721	911	1031	10,0	3,0	13,632	B
4 - A26 Tonbridge Rd	633	158	907	1239	0,511	637	964	2,1	1,1	6,289	A
5 - B2016 Seven Mile Ln	678	169	961	1103	0,614	691	583	4,9	1,7	9,560	A

09:15 - 09:30

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
1 - A26 Tonbridge Rd	1013	253	533	1591	0,636	1023	832	4,5	1,9	6,825	A
2 - Access Rd	0	0	1555	243	0,000	0	1	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	739	185	743	1351	0,547	746	812	3,0	1,3	6,598	A
4 - A26 Tonbridge Rd	530	133	741	1332	0,398	532	748	1,1	0,7	4,710	A
5 - B2016 Seven Mile Ln	568	142	794	1197	0,474	571	478	1,7	1,0	6,142	A

D6 - 2040 | LP test 2 | PM

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	44,23	E

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	-13	3 - A228 Seven Mile Ln	44,23	E

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D6	2040	LP test 2	PM	ONE HOUR	17:00	18:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1 - A26 Tonbridge Rd		ONE HOUR	✓	1167	100,000
2 - Access Rd		ONE HOUR	✓	0	100,000
3 - A228 Seven Mile Ln		ONE HOUR	✓	1193	100,000
4 - A26 Tonbridge Rd		ONE HOUR	✓	885	100,000
5 - B2016 Seven Mile Ln		ONE HOUR	✓	579	100,000

Origin-Destination Data

Demand (PCU/hr)

		To				
From		1 - A26 Tonbridge Rd	2 - Access Rd	3 - A228 Seven Mile Ln	4 - A26 Tonbridge Rd	5 - B2016 Seven Mile Ln
	1 - A26 Tonbridge Rd	1	0	529	593	44
	2 - Access Rd	0	0	0	0	0
	3 - A228 Seven Mile Ln	649	0	0	23	521
	4 - A26 Tonbridge Rd	625	0	24	0	236
	5 - B2016 Seven Mile Ln	90	0	363	126	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2,00

Heavy Vehicle %

From	To					
		1 - A26 Tonbridge Rd	2 - Access Rd	3 - A228 Seven Mile Ln	4 - A26 Tonbridge Rd	5 - B2016 Seven Mile Ln
	1 - A26 Tonbridge Rd	0	0	11	4	9
	2 - Access Rd	0	0	0	0	0
	3 - A228 Seven Mile Ln	8	0	0	9	3
	4 - A26 Tonbridge Rd	5	0	17	0	4
	5 - B2016 Seven Mile Ln	4	0	11	6	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)
1 - A26 Tonbridge Rd	0,82	13,33	4,6	B	1071	1606
2 - Access Rd	0,00	0,00	0,0	A	0	0
3 - A228 Seven Mile Ln	1,02	82,82	31,1	F	1095	1642
4 - A26 Tonbridge Rd	0,95	50,31	12,9	F	812	1218
5 - B2016 Seven Mile Ln	0,74	17,72	3,0	C	531	797

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
1 - A26 Tonbridge Rd	879	220	384	1684	0,522	874	1020	0,0	1,2	4,738	A
2 - Access Rd	0	0	1258	367	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	898	225	572	1450	0,619	891	686	0,0	1,7	6,734	A
4 - A26 Tonbridge Rd	666	167	908	1239	0,538	661	556	0,0	1,2	6,495	A
5 - B2016 Seven Mile Ln	436	109	971	1098	0,397	433	599	0,0	0,7	5,866	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
1 - A26 Tonbridge Rd	1049	262	459	1637	0,641	1046	1220	1,2	1,9	6,501	A
2 - Access Rd	0	0	1506	263	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1072	268	685	1385	0,775	1065	821	1,7	3,4	11,674	B
4 - A26 Tonbridge Rd	796	199	1085	1140	0,698	791	665	1,2	2,3	10,695	B
5 - B2016 Seven Mile Ln	521	130	1161	990	0,526	519	716	0,7	1,2	8,267	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
1 - A26 Tonbridge Rd	1285	321	559	1575	0,816	1275	1443	1,9	4,4	12,447	B
2 - Access Rd	0	0	1833	127	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1314	328	834	1298	1,012	1245	999	3,4	20,6	46,446	E
4 - A26 Tonbridge Rd	974	244	1270	1037	0,940	945	809	2,3	9,8	33,520	D
5 - B2016 Seven Mile Ln	637	159	1371	871	0,732	631	844	1,2	2,8	15,888	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
1 - A26 Tonbridge Rd	1285	321	564	1572	0,817	1284	1471	4,4	4,6	13,328	B
2 - Access Rd	0	0	1848	121	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1314	328	841	1294	1,015	1272	1007	20,6	31,1	82,824	F
4 - A26 Tonbridge Rd	974	244	1297	1022	0,953	962	816	9,8	12,9	50,311	F
5 - B2016 Seven Mile Ln	637	159	1398	856	0,745	637	860	2,8	3,0	17,715	C

18:00 - 18:15

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
1 - A26 Tonbridge Rd	1049	262	468	1632	0,643	1060	1315	4,6	2,0	6,869	A
2 - Access Rd	0	0	1527	254	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1072	268	694	1379	0,778	1181	833	31,1	4,0	28,055	D
4 - A26 Tonbridge Rd	796	199	1199	1077	0,739	835	676	12,9	3,2	17,830	C
5 - B2016 Seven Mile Ln	521	130	1255	937	0,556	527	778	3,0	1,4	9,702	A

18:15 - 18:30

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
1 - A26 Tonbridge Rd	879	220	389	1681	0,523	882	1038	2,0	1,2	4,848	A
2 - Access Rd	0	0	1270	361	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	898	225	577	1447	0,621	907	693	4,0	1,8	7,163	A
4 - A26 Tonbridge Rd	666	167	924	1230	0,542	674	561	3,2	1,3	6,886	A
5 - B2016 Seven Mile Ln	436	109	988	1088	0,401	439	609	1,4	0,7	6,054	A

D7 - 2040 | T&M LP_High | AM

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	58,66	F

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	-13	3 - A228 Seven Mile Ln	58,66	F

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D7	2040	T&M LP_High	AM	ONE HOUR	08:00	09:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1 - A26 Tonbridge Rd		ONE HOUR	✓	1300	100,000
2 - Access Rd		ONE HOUR	✓	0	100,000
3 - A228 Seven Mile Ln		ONE HOUR	✓	1110	100,000
4 - A26 Tonbridge Rd		ONE HOUR	✓	839	100,000
5 - B2016 Seven Mile Ln		ONE HOUR	✓	712	100,000

Origin-Destination Data

Demand (PCU/hr)

	To					
		1 - A26 Tonbridge Rd	2 - Access Rd	3 - A228 Seven Mile Ln	4 - A26 Tonbridge Rd	5 - B2016 Seven Mile Ln
From	1 - A26 Tonbridge Rd	0	0	562	738	0
	2 - Access Rd	0	0	0	0	0
	3 - A228 Seven Mile Ln	580	0	0	0	530
	4 - A26 Tonbridge Rd	586	0	0	0	253
	5 - B2016 Seven Mile Ln	0	0	498	214	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2,00

Heavy Vehicle %

From	To					
		1 - A26 Tonbridge Rd	2 - Access Rd	3 - A228 Seven Mile Ln	4 - A26 Tonbridge Rd	5 - B2016 Seven Mile Ln
	1 - A26 Tonbridge Rd	0	0	11	8	0
	2 - Access Rd	0	0	0	0	0
	3 - A228 Seven Mile Ln	12	0	0	0	8
	4 - A26 Tonbridge Rd	7	0	0	0	4
	5 - B2016 Seven Mile Ln	0	0	12	9	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)
1 - A26 Tonbridge Rd	1,00	65,89	26,1	F	1193	1789
2 - Access Rd	0,00	0,00	0,0	A	0	0
3 - A228 Seven Mile Ln	1,03	99,68	35,7	F	1019	1528
4 - A26 Tonbridge Rd	0,84	21,68	5,3	C	770	1155
5 - B2016 Seven Mile Ln	0,84	25,08	5,2	D	653	980

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
1 - A26 Tonbridge Rd	979	245	532	1592	0,615	972	871	0,0	1,7	6,280	A
2 - Access Rd	0	0	1504	264	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	836	209	712	1369	0,610	829	792	0,0	1,7	7,247	A
4 - A26 Tonbridge Rd	632	158	829	1283	0,492	628	712	0,0	1,0	5,790	A
5 - B2016 Seven Mile Ln	536	134	871	1154	0,465	532	585	0,0	1,0	6,396	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
1 - A26 Tonbridge Rd	1169	292	637	1526	0,766	1162	1042	1,7	3,4	10,608	B
2 - Access Rd	0	0	1799	141	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	998	249	851	1288	0,775	990	948	1,7	3,6	13,000	B
4 - A26 Tonbridge Rd	754	189	990	1193	0,632	751	851	1,0	1,8	8,584	A
5 - B2016 Seven Mile Ln	640	160	1042	1057	0,605	637	699	1,0	1,7	9,456	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
1 - A26 Tonbridge Rd	1431	358	772	1442	0,993	1372	1237	3,4	18,3	39,229	E
2 - Access Rd	0	0	2143	0	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1222	306	1011	1195	1,023	1148	1133	3,6	22,0	52,728	F
4 - A26 Tonbridge Rd	924	231	1148	1105	0,836	912	1011	1,8	4,8	18,692	C
5 - B2016 Seven Mile Ln	784	196	1237	947	0,828	772	823	1,7	4,7	21,469	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
1 - A26 Tonbridge Rd	1431	358	782	1436	0,997	1400	1254	18,3	26,1	65,889	F
2 - Access Rd	0	0	2182	0	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1222	306	1030	1184	1,033	1168	1152	22,0	35,7	99,677	F
4 - A26 Tonbridge Rd	924	231	1168	1094	0,844	922	1030	4,8	5,3	21,677	C
5 - B2016 Seven Mile Ln	784	196	1254	937	0,836	782	835	4,7	5,2	25,085	D

09:00 - 09:15

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
1 - A26 Tonbridge Rd	1169	292	653	1516	0,771	1258	1121	26,1	3,9	19,966	C
2 - Access Rd	0	0	1910	95	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	998	249	910	1253	0,796	1121	1000	35,7	4,9	45,330	E
4 - A26 Tonbridge Rd	754	189	1121	1120	0,673	766	910	5,3	2,3	11,144	B
5 - B2016 Seven Mile Ln	640	160	1121	1013	0,632	653	766	5,2	2,0	11,490	B

09:15 - 09:30

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
1 - A26 Tonbridge Rd	979	245	540	1587	0,617	987	888	3,9	1,8	6,653	A
2 - Access Rd	0	0	1527	254	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	836	209	723	1363	0,613	848	804	4,9	1,8	7,876	A
4 - A26 Tonbridge Rd	632	158	848	1272	0,496	636	723	2,3	1,1	6,048	A
5 - B2016 Seven Mile Ln	536	134	888	1145	0,468	540	597	2,0	1,0	6,654	A

D8 - 2040 | T&M LP_High | PM

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	31,69	D

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	-10	3 - A228 Seven Mile Ln	31,69	D

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D8	2040	T&M LP_High	PM	ONE HOUR	17:00	18:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1 - A26 Tonbridge Rd		ONE HOUR	✓	1083	100,000
2 - Access Rd		ONE HOUR	✓	0	100,000
3 - A228 Seven Mile Ln		ONE HOUR	✓	1135	100,000
4 - A26 Tonbridge Rd		ONE HOUR	✓	890	100,000
5 - B2016 Seven Mile Ln		ONE HOUR	✓	633	100,000

Origin-Destination Data

Demand (PCU/hr)

	To					
		1 - A26 Tonbridge Rd	2 - Access Rd	3 - A228 Seven Mile Ln	4 - A26 Tonbridge Rd	5 - B2016 Seven Mile Ln
From	1 - A26 Tonbridge Rd	0	0	481	602	0
	2 - Access Rd	0	0	0	0	0
	3 - A228 Seven Mile Ln	589	0	0	0	546
	4 - A26 Tonbridge Rd	658	0	0	0	232
	5 - B2016 Seven Mile Ln	0	0	468	165	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2,00

Heavy Vehicle %

From	To					
		1 - A26 Tonbridge Rd	2 - Access Rd	3 - A228 Seven Mile Ln	4 - A26 Tonbridge Rd	5 - B2016 Seven Mile Ln
	1 - A26 Tonbridge Rd	0	0	3	4	0
	2 - Access Rd	0	0	0	0	0
	3 - A228 Seven Mile Ln	6	0	0	0	3
	4 - A26 Tonbridge Rd	5	0	0	0	3
	5 - B2016 Seven Mile Ln	0	0	6	2	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)
1 - A26 Tonbridge Rd	0,80	12,46	4,0	B	994	1491
2 - Access Rd	0,00	0,00	0,0	A	0	0
3 - A228 Seven Mile Ln	0,97	50,34	16,7	F	1041	1562
4 - A26 Tonbridge Rd	0,93	39,29	10,0	E	817	1225
5 - B2016 Seven Mile Ln	0,79	20,45	3,8	C	581	871

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
1 - A26 Tonbridge Rd	815	204	473	1628	0,501	811	932	0,0	1,0	4,540	A
2 - Access Rd	0	0	1285	355	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	854	214	574	1449	0,590	849	710	0,0	1,5	6,206	A
4 - A26 Tonbridge Rd	670	168	849	1272	0,527	665	574	0,0	1,1	6,155	A
5 - B2016 Seven Mile Ln	477	119	932	1119	0,426	473	582	0,0	0,8	5,812	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
1 - A26 Tonbridge Rd	974	243	567	1570	0,620	971	1115	1,0	1,7	6,199	A
2 - Access Rd	0	0	1538	250	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1020	255	688	1383	0,738	1015	850	1,5	2,8	10,075	B
4 - A26 Tonbridge Rd	800	200	1015	1179	0,678	796	688	1,1	2,1	9,716	A
5 - B2016 Seven Mile Ln	569	142	1115	1016	0,560	567	696	0,8	1,3	8,372	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
1 - A26 Tonbridge Rd	1192	298	688	1494	0,798	1184	1334	1,7	3,9	11,692	B
2 - Access Rd	0	0	1872	111	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1250	312	837	1296	0,964	1209	1035	2,8	13,0	33,620	D
4 - A26 Tonbridge Rd	980	245	1209	1071	0,915	956	837	2,1	8,1	28,273	D
5 - B2016 Seven Mile Ln	697	174	1334	892	0,781	688	831	1,3	3,4	17,849	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
1 - A26 Tonbridge Rd	1192	298	696	1490	0,801	1192	1360	3,9	4,0	12,455	B
2 - Access Rd	0	0	1887	105	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1250	312	844	1292	0,967	1235	1044	13,0	16,7	50,344	F
4 - A26 Tonbridge Rd	980	245	1235	1056	0,928	972	844	8,1	10,0	39,289	E
5 - B2016 Seven Mile Ln	697	174	1360	878	0,794	696	848	3,4	3,8	20,452	C

18:00 - 18:15

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
1 - A26 Tonbridge Rd	974	243	578	1563	0,623	983	1171	4,0	1,7	6,524	A
2 - Access Rd	0	0	1561	240	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1020	255	697	1378	0,741	1075	864	16,7	3,1	14,484	B
4 - A26 Tonbridge Rd	800	200	1075	1146	0,698	830	697	10,0	2,5	12,953	B
5 - B2016 Seven Mile Ln	569	142	1171	984	0,578	578	733	3,8	1,5	9,510	A

18:15 - 18:30

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
1 - A26 Tonbridge Rd	815	204	479	1625	0,502	818	946	1,7	1,1	4,638	A
2 - Access Rd	0	0	1297	350	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	854	214	580	1446	0,591	861	718	3,1	1,5	6,498	A
4 - A26 Tonbridge Rd	670	168	861	1265	0,530	675	580	2,5	1,2	6,430	A
5 - B2016 Seven Mile Ln	477	119	946	1112	0,429	479	590	1,5	0,8	5,998	A

D9 - 2042 | Forecast Baseline | AM

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	43,17	E

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	-12	1 - A26 Tonbridge Rd	43,17	E

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D9	2042	Forecast Baseline	AM	ONE HOUR	08:00	09:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1 - A26 Tonbridge Rd		ONE HOUR	✓	1293	100,000
2 - Access Rd		ONE HOUR	✓	0	100,000
3 - A228 Seven Mile Ln		ONE HOUR	✓	1038	100,000
4 - A26 Tonbridge Rd		ONE HOUR	✓	745	100,000
5 - B2016 Seven Mile Ln		ONE HOUR	✓	714	100,000

Origin-Destination Data

Demand (PCU/hr)

	To					
		1 - A26 Tonbridge Rd	2 - Access Rd	3 - A228 Seven Mile Ln	4 - A26 Tonbridge Rd	5 - B2016 Seven Mile Ln
From	1 - A26 Tonbridge Rd	0	0	545	748	0
	2 - Access Rd	0	0	0	0	0
	3 - A228 Seven Mile Ln	550	0	0	0	488
	4 - A26 Tonbridge Rd	543	0	0	0	202
	5 - B2016 Seven Mile Ln	0	0	505	209	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2,00

Heavy Vehicle %

From	To					
		1 - A26 Tonbridge Rd	2 - Access Rd	3 - A228 Seven Mile Ln	4 - A26 Tonbridge Rd	5 - B2016 Seven Mile Ln
	1 - A26 Tonbridge Rd	0	0	11	8	0
	2 - Access Rd	0	0	0	0	0
	3 - A228 Seven Mile Ln	11	0	0	0	9
	4 - A26 Tonbridge Rd	9	0	0	0	4
	5 - B2016 Seven Mile Ln	0	0	12	8	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)
1 - A26 Tonbridge Rd	0,99	63,26	24,8	F	1186	1780
2 - Access Rd	0,00	0,00	0,0	A	0	0
3 - A228 Seven Mile Ln	0,97	55,01	16,8	F	952	1429
4 - A26 Tonbridge Rd	0,73	12,96	2,9	B	684	1025
5 - B2016 Seven Mile Ln	0,81	21,07	4,4	C	655	983

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
1 - A26 Tonbridge Rd	973	243	534	1591	0,612	967	817	0,0	1,7	6,237	A
2 - Access Rd	0	0	1501	265	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	781	195	715	1367	0,572	776	785	0,0	1,4	6,640	A
4 - A26 Tonbridge Rd	561	140	776	1313	0,427	558	715	0,0	0,8	5,108	A
5 - B2016 Seven Mile Ln	538	134	817	1184	0,454	534	516	0,0	0,9	6,099	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
1 - A26 Tonbridge Rd	1162	291	639	1525	0,762	1156	978	1,7	3,3	10,472	B
2 - Access Rd	0	0	1795	143	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	933	233	856	1285	0,726	928	939	1,4	2,8	10,923	B
4 - A26 Tonbridge Rd	670	167	928	1228	0,545	668	856	0,8	1,3	6,892	A
5 - B2016 Seven Mile Ln	642	160	978	1093	0,587	639	617	0,9	1,5	8,736	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
1 - A26 Tonbridge Rd	1424	356	776	1439	0,989	1366	1179	3,3	17,7	38,302	E
2 - Access Rd	0	0	2142	0	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1143	286	1018	1191	0,960	1104	1125	2,8	12,5	35,674	E
4 - A26 Tonbridge Rd	820	205	1104	1130	0,726	814	1018	1,3	2,7	12,080	B
5 - B2016 Seven Mile Ln	786	197	1179	980	0,802	776	740	1,5	4,1	18,685	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
1 - A26 Tonbridge Rd	1424	356	785	1434	0,993	1395	1194	17,7	24,8	63,264	F
2 - Access Rd	0	0	2180	0	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1143	286	1037	1179	0,969	1126	1143	12,5	16,8	55,007	F
4 - A26 Tonbridge Rd	820	205	1126	1117	0,734	820	1037	2,7	2,9	12,962	B
5 - B2016 Seven Mile Ln	786	197	1194	971	0,809	785	752	4,1	4,4	21,072	C

09:00 - 09:15

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
1 - A26 Tonbridge Rd	1162	291	653	1516	0,767	1246	1015	24,8	3,8	18,712	C
2 - Access Rd	0	0	1899	100	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	933	233	912	1252	0,745	987	987	16,8	3,4	17,593	C
4 - A26 Tonbridge Rd	670	167	987	1195	0,560	676	912	2,9	1,4	7,537	A
5 - B2016 Seven Mile Ln	642	160	1015	1072	0,598	653	647	4,4	1,7	9,735	A

09:15 - 09:30

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
1 - A26 Tonbridge Rd	973	243	541	1586	0,614	982	829	3,8	1,8	6,589	A
2 - Access Rd	0	0	1522	257	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	781	195	726	1361	0,574	789	796	3,4	1,5	7,019	A
4 - A26 Tonbridge Rd	561	140	789	1305	0,430	563	726	1,4	0,8	5,237	A
5 - B2016 Seven Mile Ln	538	134	829	1178	0,456	541	524	1,7	0,9	6,285	A

D10 - 2042 | Forecast Baseline | PM

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	20,31	C

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	-4	3 - A228 Seven Mile Ln	20,31	C

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D10	2042	Forecast Baseline	PM	ONE HOUR	17:00	18:30	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1 - A26 Tonbridge Rd		ONE HOUR	✓	983	100,000
2 - Access Rd		ONE HOUR	✓	0	100,000
3 - A228 Seven Mile Ln		ONE HOUR	✓	1087	100,000
4 - A26 Tonbridge Rd		ONE HOUR	✓	888	100,000
5 - B2016 Seven Mile Ln		ONE HOUR	✓	574	100,000

Origin-Destination Data

Demand (PCU/hr)

	To					
		1 - A26 Tonbridge Rd	2 - Access Rd	3 - A228 Seven Mile Ln	4 - A26 Tonbridge Rd	5 - B2016 Seven Mile Ln
From	1 - A26 Tonbridge Rd	0	0	433	550	0
	2 - Access Rd	0	0	0	0	0
	3 - A228 Seven Mile Ln	563	0	0	0	524
	4 - A26 Tonbridge Rd	662	0	0	0	226
	5 - B2016 Seven Mile Ln	0	0	441	133	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2,00

Heavy Vehicle %

From	To					
		1 - A26 Tonbridge Rd	2 - Access Rd	3 - A228 Seven Mile Ln	4 - A26 Tonbridge Rd	5 - B2016 Seven Mile Ln
	1 - A26 Tonbridge Rd	0	0	3	5	0
	2 - Access Rd	0	0	0	0	0
	3 - A228 Seven Mile Ln	5	0	0	0	4
	4 - A26 Tonbridge Rd	4	0	0	0	2
	5 - B2016 Seven Mile Ln	0	0	7	3	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)
1 - A26 Tonbridge Rd	0,71	8,37	2,5	A	902	1353
2 - Access Rd	0,00	0,00	0,0	A	0	0
3 - A228 Seven Mile Ln	0,89	23,96	7,5	C	997	1496
4 - A26 Tonbridge Rd	0,91	32,56	8,3	D	815	1222
5 - B2016 Seven Mile Ln	0,71	14,90	2,5	B	527	790

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
1 - A26 Tonbridge Rd	740	185	430	1656	0,447	737	916	0,0	0,8	4,063	A
2 - Access Rd	0	0	1166	405	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	818	205	512	1486	0,551	813	655	0,0	1,3	5,556	A
4 - A26 Tonbridge Rd	669	167	813	1292	0,518	664	512	0,0	1,1	5,895	A
5 - B2016 Seven Mile Ln	432	108	916	1128	0,383	430	561	0,0	0,7	5,444	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
1 - A26 Tonbridge Rd	884	221	514	1603	0,551	882	1097	0,8	1,3	5,187	A
2 - Access Rd	0	0	1396	309	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	977	244	613	1427	0,685	973	784	1,3	2,2	8,229	A
4 - A26 Tonbridge Rd	798	200	973	1202	0,664	795	613	1,1	2,0	9,057	A
5 - B2016 Seven Mile Ln	516	129	1097	1026	0,503	514	672	0,7	1,1	7,431	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
1 - A26 Tonbridge Rd	1082	271	627	1533	0,706	1078	1324	1,3	2,4	8,154	A
2 - Access Rd	0	0	1704	181	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1197	299	748	1348	0,888	1178	956	2,2	6,9	20,268	C
4 - A26 Tonbridge Rd	978	244	1178	1088	0,898	957	748	2,0	7,1	25,264	D
5 - B2016 Seven Mile Ln	632	158	1324	898	0,704	627	812	1,1	2,4	13,802	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
1 - A26 Tonbridge Rd	1082	271	631	1530	0,708	1082	1344	2,4	2,5	8,366	A
2 - Access Rd	0	0	1714	177	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	1197	299	752	1346	0,889	1194	962	6,9	7,5	23,956	C
4 - A26 Tonbridge Rd	978	244	1194	1079	0,906	973	752	7,1	8,3	32,564	D
5 - B2016 Seven Mile Ln	632	158	1344	887	0,713	631	823	2,4	2,5	14,899	B

18:00 - 18:15

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
1 - A26 Tonbridge Rd	884	221	522	1598	0,553	888	1130	2,5	1,3	5,315	A
2 - Access Rd	0	0	1410	303	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	977	244	618	1424	0,686	998	792	7,5	2,4	9,241	A
4 - A26 Tonbridge Rd	798	200	998	1189	0,672	823	618	8,3	2,2	10,813	B
5 - B2016 Seven Mile Ln	516	129	1130	1007	0,512	522	690	2,5	1,1	7,945	A

18:15 - 18:30

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
1 - A26 Tonbridge Rd	740	185	434	1653	0,448	742	928	1,3	0,9	4,123	A
2 - Access Rd	0	0	1176	401	0,000	0	0	0,0	0,0	0,000	A
3 - A228 Seven Mile Ln	818	205	516	1483	0,552	823	660	2,4	1,3	5,731	A
4 - A26 Tonbridge Rd	669	167	823	1287	0,520	673	516	2,2	1,1	6,108	A
5 - B2016 Seven Mile Ln	432	108	928	1122	0,385	434	568	1,1	0,7	5,564	A