

Junctions 11

PICADY 11 - Priority Intersection Module

Version: 11.1.0.2307
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Filename: J5.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\J5 Seven Mile Lane_Comp Lane
Report generation date: 25.07.2025 15:10:18

- »D1 - 2019 | Base | AM
- »D2 - 2019 | Base | PM
- »D3 - 2040 | T&M LP_High | AM
- »D4 - 2040 | T&M LP_High | PM
- »D5 - 2042 | Forecast Baseline | AM
- »D6 - 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											
Stream B-ACD	D1	0,1	14,81	0,08	B	22 % [Stream D-ABC]	D2	0,0	13,77	0,03	B	-1 % [Stream D-ABC]
Stream A-BCD		0,1	4,80	0,05	A			0,0	4,43	0,01	A	
Stream D-ABC		0,5	20,19	0,30	C			2,0	37,19	0,65	E	
Stream C-ABD		0,0	0,00	0,00	A			0,0	0,00	0,00	A	
	2040 - T&M LP_High											
Stream B-ACD	D3	0,1	11,87	0,10	B	-9 % [Stream D-ABC]	D4	0,1	15,32	0,05	C	-11 % [Stream D-ABC]
Stream A-BCD		1,1	6,01	0,27	A			0,1	4,47	0,05	A	
Stream D-ABC		3,0	63,74	0,75	F			3,9	71,56	0,81	F	
Stream C-ABD		1,2	5,08	0,31	A			1,2	4,88	0,32	A	
	2042 - Forecast Baseline											
Stream B-ACD	D5	0,1	15,10	0,12	C	13 % [Stream D-ABC]	D6	0,0	15,07	0,03	C	-7 % [Stream D-ABC]
Stream A-BCD		0,6	4,87	0,18	A			0,0	4,63	0,02	A	
Stream D-ABC		0,6	23,40	0,32	C			2,8	51,46	0,73	F	
Stream C-ABD		0,1	4,31	0,06	A			0,8	4,55	0,23	A	

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	24.07.2025
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

PICADY short flare model	Calculate Queue Percentiles	Calculate residual capacity	Residual capacity criteria type	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
JUNCTIONS 11.1		✓	Delay	0,85	36,00	20,00

Demand Set Summary

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

Analysis Set Details

ID	Network flow scaling factor (%)
A1	100,000

D1 - 2019 | Base | AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way	Two-way	Two-way	Two-way		1,48	A

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	22	Stream D-ABC	1,48	A

Arms

Arms

Arm	Name	Description	Arm type
A	Seven Mile Lane N		Major
B	Comp Lane E		Minor
C	Seven Mile Lane S		Major
D	Comp Lane W		Minor

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right-turn storage	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
A - Seven Mile Lane N	6,86			76,0	✓	0,00
C - Seven Mile Lane S	6,86			200,0	✓	0,00

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

Minor Arm Geometry

Arm	Minor arm type	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B - Comp Lane E	One lane	2,75	72	200
D - Comp Lane W	One lane	3,47	200	80

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for A-D	Slope for B-A	Slope for B-C	Slope for B-D	Slope for C-A	Slope for C-B	Slope for C-D	Slope for D-A	Slope for D-B	Slope for D-C
A-D	618	-	-	-	-	-	-	0,231	0,329	0,231	-	-	-
B-A	586	0,103	0,260	0,260	-	-	-	0,164	0,371	-	0,260	0,260	0,130
B-C	731	0,108	0,273	-	-	-	-	-	-	-	-	-	-
B-D, nearside lane	586	0,103	0,260	0,260	-	-	-	0,164	0,371	0,164	-	-	-
B-D, offside lane	586	0,103	0,260	0,260	-	-	-	0,164	0,371	0,164	-	-	-
C-B	690	0,257	0,257	0,368	-	-	-	-	-	-	-	-	-
D-A	706	-	-	-	-	-	-	0,263	-	0,104	-	-	-
D-B, nearside lane	612	0,171	0,171	0,387	-	-	-	0,271	0,271	0,107	-	-	-
D-B, offside lane	612	0,171	0,171	0,387	-	-	-	0,271	0,271	0,107	-	-	-
D-C	612	-	0,171	0,387	0,136	0,271	0,271	0,271	0,271	0,107	-	-	-

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

Traffic Demand

Demand Set Details

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - Seven Mile Lane N		✓	692	100,000
B - Comp Lane E		✓	20	100,000
C - Seven Mile Lane S		✓	671	100,000
D - Comp Lane W		✓	83	100,000

Origin-Destination Data

Demand (PCU/hr)

From	To				
		A - Seven Mile Lane N	B - Comp Lane E	C - Seven Mile Lane S	D - Comp Lane W
	A - Seven Mile Lane N	0	0	679	13
	B - Comp Lane E	0	0	0	20
	C - Seven Mile Lane S	594	0	0	77
	D - Comp Lane W	9	40	34	0

Vehicle Mix

Heavy Vehicle %

From	To				
		A - Seven Mile Lane N	B - Comp Lane E	C - Seven Mile Lane S	D - Comp Lane W
	A - Seven Mile Lane N	0	0	12	14
	B - Comp Lane E	0	0	0	1
	C - Seven Mile Lane S	14	0	0	25
	D - Comp Lane W	8	3	52	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-ACD	0,08	14,81	0,1	B
A-BCD	0,05	4,80	0,1	A
A-B				
A-C				
D-ABC	0,30	20,19	0,5	C
C-ABD	0,00	0,00	0,0	A
C-D				
C-A				

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	15	0,00	368	0,041	15	0,0	10,280	B
A-BCD	24	0,00	870	0,027	24	0,0	4,797	A
A-B	0	0,00			0			
A-C	497	0,00			497			
D-ABC	62	0,00	406	0,154	62	0,2	12,455	B
C-ABD	0	0,00	555	0,000	0	0,0	0,000	A
C-D	58	0,00			58			
C-A	447	0,00			447			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	18	0,00	326	0,055	18	0,1	11,796	B
A-BCD	34	0,00	927	0,037	34	0,1	4,546	A
A-B	0	0,00			0			
A-C	588	0,00			588			
D-ABC	75	0,00	363	0,205	74	0,3	14,845	B
C-ABD	0	0,00	528	0,000	0	0,0	0,000	A
C-D	69	0,00			69			
C-A	534	0,00			534			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	22	0,00	268	0,082	22	0,1	14,794	B
A-BCD	55	0,00	1009	0,055	55	0,1	4,247	A
A-B	0	0,00			0			
A-C	706	0,00			706			
D-ABC	91	0,00	304	0,300	91	0,5	20,043	C
C-ABD	0	0,00	492	0,000	0	0,0	0,000	A
C-D	85	0,00			85			
C-A	654	0,00			654			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	22	0,00	267	0,082	22	0,1	14,811	B
A-BCD	55	0,00	1010	0,055	55	0,1	4,246	A
A-B	0	0,00			0			
A-C	706	0,00			706			
D-ABC	91	0,00	304	0,300	91	0,5	20,185	C
C-ABD	0	0,00	492	0,000	0	0,0	0,000	A
C-D	85	0,00			85			
C-A	654	0,00			654			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	18	0,00	326	0,055	18	0,1	11,814	B
A-BCD	34	0,00	927	0,037	35	0,1	4,543	A
A-B	0	0,00			0			
A-C	588	0,00			588			
D-ABC	75	0,00	363	0,205	75	0,3	14,965	B
C-ABD	0	0,00	528	0,000	0	0,0	0,000	A
C-D	69	0,00			69			
C-A	534	0,00			534			

09:15 - 09:30

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	15	0,00	368	0,041	15	0,0	10,294	B
A-BCD	24	0,00	870	0,027	24	0,0	4,796	A
A-B	0	0,00			0			
A-C	497	0,00			497			
D-ABC	62	0,00	406	0,154	63	0,2	12,545	B
C-ABD	0	0,00	555	0,000	0	0,0	0,000	A
C-D	58	0,00			58			
C-A	447	0,00			447			

D2 - 2019 | Base | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way	Two-way	Two-way	Two-way		4,54	A

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	-1	Stream D-ABC	4,54	A

Traffic Demand

Demand Set Details

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - Seven Mile Lane N		✓	699	100,000
B - Comp Lane E		✓	7	100,000
C - Seven Mile Lane S		✓	637	100,000
D - Comp Lane W		✓	183	100,000

Origin-Destination Data

Demand (PCU/hr)

	To				
		A - Seven Mile Lane N	B - Comp Lane E	C - Seven Mile Lane S	D - Comp Lane W
	A - Seven Mile Lane N	0	0	697	2
	B - Comp Lane E	0	0	0	7
	C - Seven Mile Lane S	566	0	0	71
	D - Comp Lane W	12	58	113	0

Vehicle Mix

Heavy Vehicle %

	To				
		A - Seven Mile Lane N	B - Comp Lane E	C - Seven Mile Lane S	D - Comp Lane W
	A - Seven Mile Lane N	0	0	8	9
	B - Comp Lane E	0	0	0	1
	C - Seven Mile Lane S	7	0	0	11
	D - Comp Lane W	40	2	18	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-ACD	0,03	13,77	0,0	B
A-BCD	0,01	4,43	0,0	A
A-B				
A-C				
D-ABC	0,65	37,19	2,0	E
C-ABD	0,00	0,00	0,0	A
C-D				
C-A				

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	5	0,00	371	0,014	5	0,0	9,932	A
A-BCD	4	0,00	884	0,004	4	0,0	4,431	A
A-B	0	0,00			0			
A-C	523	0,00			523			
D-ABC	138	0,00	408	0,338	136	0,6	14,878	B
C-ABD	0	0,00	554	0,000	0	0,0	0,000	A
C-D	53	0,00			53			
C-A	426	0,00			426			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	6	0,00	329	0,019	6	0,0	11,250	B
A-BCD	5	0,00	943	0,006	5	0,0	4,158	A
A-B	0	0,00			0			
A-C	623	0,00			623			
D-ABC	165	0,00	367	0,448	163	0,9	19,919	C
C-ABD	0	0,00	528	0,000	0	0,0	0,000	A
C-D	64	0,00			64			
C-A	509	0,00			509			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	8	0,00	272	0,028	8	0,0	13,769	B
A-BCD	9	0,00	1029	0,008	9	0,0	3,818	A
A-B	0	0,00			0			
A-C	761	0,00			761			
D-ABC	201	0,00	310	0,650	197	1,9	35,058	E
C-ABD	0	0,00	491	0,000	0	0,0	0,000	A
C-D	78	0,00			78			
C-A	623	0,00			623			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	8	0,00	272	0,028	8	0,0	13,771	B
A-BCD	9	0,00	1029	0,008	9	0,0	3,820	A
A-B	0	0,00			0			
A-C	761	0,00			761			
D-ABC	201	0,00	310	0,650	201	2,0	37,185	E
C-ABD	0	0,00	491	0,000	0	0,0	0,000	A
C-D	78	0,00			78			
C-A	623	0,00			623			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	6	0,00	329	0,019	6	0,0	11,252	B
A-BCD	5	0,00	943	0,006	5	0,0	4,155	A
A-B	0	0,00			0			
A-C	623	0,00			623			
D-ABC	165	0,00	367	0,448	169	1,0	21,002	C
C-ABD	0	0,00	528	0,000	0	0,0	0,000	A
C-D	64	0,00			64			
C-A	509	0,00			509			

18:15 - 18:30

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	5	0,00	371	0,014	5	0,0	9,937	A
A-BCD	4	0,00	884	0,004	4	0,0	4,431	A
A-B	0	0,00			0			
A-C	523	0,00			523			
D-ABC	138	0,00	408	0,338	139	0,6	15,288	C
C-ABD	0	0,00	554	0,000	0	0,0	0,000	A
C-D	53	0,00			53			
C-A	426	0,00			426			

D3 - 2040 | T&M LP_High | AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way	Two-way	Two-way	Two-way		7,75	A

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	-9	Stream D-ABC	7,75	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D3	2040	T&M LP_High	AM	ONE HOUR	08:00	09:30	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - Seven Mile Lane N		✓	673	100,000
B - Comp Lane E		✓	32	100,000
C - Seven Mile Lane S		✓	855	100,000
D - Comp Lane W		✓	166	100,000

Origin-Destination Data

Demand (PCU/hr)

	To				
		A - Seven Mile Lane N	B - Comp Lane E	C - Seven Mile Lane S	D - Comp Lane W
	A - Seven Mile Lane N	0	0	613	60
	B - Comp Lane E	0	0	19	13
	C - Seven Mile Lane S	678	72	0	105
	D - Comp Lane W	23	21	122	0

Vehicle Mix

Heavy Vehicle %

	To				
		A - Seven Mile Lane N	B - Comp Lane E	C - Seven Mile Lane S	D - Comp Lane W
	A - Seven Mile Lane N	0	0	13	6
	B - Comp Lane E	0	0	0	3
	C - Seven Mile Lane S	9	0	0	18
	D - Comp Lane W	6	1	16	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-ACD	0,10	11,87	0,1	B
A-BCD	0,27	6,01	1,1	A
A-B				
A-C				
D-ABC	0,75	63,74	3,0	F
C-ABD	0,31	5,08	1,2	A
C-D				
C-A				

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	24	0,00	458	0,053	24	0,1	8,382	A
A-BCD	106	0,00	807	0,131	104	0,4	5,633	A
A-B	0	0,00			0			
A-C	401	0,00			401			
D-ABC	125	0,00	368	0,340	123	0,6	16,370	C
C-ABD	140	0,00	962	0,145	138	0,4	4,630	A
C-D	68	0,00			68			
C-A	436	0,00			436			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	29	0,00	412	0,070	29	0,1	9,501	A
A-BCD	154	0,00	853	0,180	153	0,6	5,680	A
A-B	0	0,00			0			
A-C	451	0,00			451			
D-ABC	149	0,00	316	0,472	148	1,0	23,815	C
C-ABD	208	0,00	1026	0,203	207	0,6	4,686	A
C-D	75	0,00			75			
C-A	485	0,00			485			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	35	0,00	343	0,103	35	0,1	11,818	B
A-BCD	250	0,00	921	0,272	248	1,1	5,950	A
A-B	0	0,00			0			
A-C	491	0,00			491			
D-ABC	183	0,00	244	0,750	176	2,7	54,754	F
C-ABD	349	0,00	1119	0,312	347	1,2	5,018	A
C-D	79	0,00			79			
C-A	513	0,00			513			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	35	0,00	342	0,103	35	0,1	11,870	B
A-BCD	252	0,00	922	0,273	252	1,1	6,009	A
A-B	0	0,00			0			
A-C	489	0,00			489			
D-ABC	183	0,00	243	0,753	182	3,0	63,739	F
C-ABD	351	0,00	1120	0,314	351	1,2	5,078	A
C-D	79	0,00			79			
C-A	511	0,00			511			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	29	0,00	411	0,070	29	0,1	9,546	A
A-BCD	155	0,00	854	0,182	157	0,6	5,768	A
A-B	0	0,00			0			
A-C	450	0,00			450			
D-ABC	149	0,00	314	0,475	157	1,1	26,828	D
C-ABD	210	0,00	1027	0,204	212	0,7	4,775	A
C-D	75	0,00			75			
C-A	484	0,00			484			

09:15 - 09:30

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	24	0,00	457	0,053	24	0,1	8,416	A
A-BCD	107	0,00	807	0,132	108	0,4	5,697	A
A-B	0	0,00			0			
A-C	400	0,00			400			
D-ABC	125	0,00	366	0,341	127	0,6	17,015	C
C-ABD	141	0,00	963	0,147	142	0,4	4,690	A
C-D	67	0,00			67			
C-A	435	0,00			435			

D4 - 2040 | T&M LP_High | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way	Two-way	Two-way	Two-way		8,68	A

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	-11	Stream D-ABC	8,68	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D4	2040	T&M LP_High	PM	ONE HOUR	17:00	18:30	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - Seven Mile Lane N		✓	714	100,000
B - Comp Lane E		✓	11	100,000
C - Seven Mile Lane S		✓	870	100,000
D - Comp Lane W		✓	195	100,000

Origin-Destination Data

Demand (PCU/hr)

	To				
		A - Seven Mile Lane N	B - Comp Lane E	C - Seven Mile Lane S	D - Comp Lane W
	A - Seven Mile Lane N	0	0	705	9
	B - Comp Lane E	0	0	3	8
	C - Seven Mile Lane S	631	71	0	168
	D - Comp Lane W	34	47	114	0

Vehicle Mix

Heavy Vehicle %

	To				
		A - Seven Mile Lane N	B - Comp Lane E	C - Seven Mile Lane S	D - Comp Lane W
	A - Seven Mile Lane N	0	0	5	2
	B - Comp Lane E	0	0	0	1
	C - Seven Mile Lane S	5	0	0	5
	D - Comp Lane W	16	3	18	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-ACD	0,05	15,32	0,1	C
A-BCD	0,05	4,47	0,1	A
A-B				
A-C				
D-ABC	0,81	71,56	3,9	F
C-ABD	0,32	4,88	1,2	A
C-D				
C-A				

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	8	0,00	373	0,022	8	0,0	9,930	A
A-BCD	18	0,00	856	0,021	18	0,0	4,457	A
A-B	0	0,00			0			
A-C	520	0,00			520			
D-ABC	147	0,00	385	0,382	144	0,7	16,831	C
C-ABD	141	0,00	968	0,146	140	0,4	4,478	A
C-D	108	0,00			108			
C-A	406	0,00			406			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	10	0,00	322	0,031	10	0,0	11,609	B
A-BCD	27	0,00	913	0,029	26	0,0	4,221	A
A-B	0	0,00			0			
A-C	615	0,00			615			
D-ABC	175	0,00	336	0,522	173	1,2	24,884	C
C-ABD	211	0,00	1034	0,204	210	0,6	4,524	A
C-D	120	0,00			120			
C-A	451	0,00			451			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	12	0,00	249	0,049	12	0,1	15,278	C
A-BCD	45	0,00	997	0,045	45	0,1	3,938	A
A-B	0	0,00			0			
A-C	741	0,00			741			
D-ABC	215	0,00	267	0,804	205	3,5	59,221	F
C-ABD	358	0,00	1130	0,317	356	1,2	4,841	A
C-D	126	0,00			126			
C-A	474	0,00			474			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	12	0,00	249	0,049	12	0,1	15,319	C
A-BCD	45	0,00	997	0,045	45	0,1	3,945	A
A-B	0	0,00			0			
A-C	741	0,00			741			
D-ABC	215	0,00	267	0,806	213	3,9	71,556	F
C-ABD	360	0,00	1131	0,318	360	1,2	4,885	A
C-D	126	0,00			126			
C-A	472	0,00			472			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	10	0,00	321	0,031	10	0,0	11,645	B
A-BCD	27	0,00	913	0,029	27	0,0	4,236	A
A-B	0	0,00			0			
A-C	615	0,00			615			
D-ABC	175	0,00	335	0,524	186	1,3	29,116	D
C-ABD	213	0,00	1036	0,205	215	0,7	4,582	A
C-D	120	0,00			120			
C-A	450	0,00			450			

18:15 - 18:30

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	8	0,00	373	0,022	8	0,0	9,954	A
A-BCD	18	0,00	856	0,021	18	0,0	4,467	A
A-B	0	0,00			0			
A-C	520	0,00			520			
D-ABC	147	0,00	384	0,382	149	0,7	17,601	C
C-ABD	143	0,00	969	0,147	144	0,4	4,519	A
C-D	108	0,00			108			
C-A	405	0,00			405			

D5 - 2042 | Forecast Baseline | AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way	Two-way	Two-way	Two-way		1,97	A

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	13	Stream D-ABC	1,97	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D5	2042	Forecast Baseline	AM	ONE HOUR	08:00	09:30	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - Seven Mile Lane N		✓	754	100,000
B - Comp Lane E		✓	30	100,000
C - Seven Mile Lane S		✓	740	100,000
D - Comp Lane W		✓	79	100,000

Origin-Destination Data

Demand (PCU/hr)

	To				
		A - Seven Mile Lane N	B - Comp Lane E	C - Seven Mile Lane S	D - Comp Lane W
	A - Seven Mile Lane N	0	0	716	38
	B - Comp Lane E	0	0	8	22
	C - Seven Mile Lane S	646	15	0	79
	D - Comp Lane W	11	33	35	0

Vehicle Mix

Heavy Vehicle %

	To				
		A - Seven Mile Lane N	B - Comp Lane E	C - Seven Mile Lane S	D - Comp Lane W
	A - Seven Mile Lane N	0	0	11	5
	B - Comp Lane E	0	0	0	1
	C - Seven Mile Lane S	10	0	0	24
	D - Comp Lane W	9	0	46	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-ACD	0,12	15,10	0,1	C
A-BCD	0,18	4,87	0,6	A
A-B				
A-C				
D-ABC	0,32	23,40	0,6	C
C-ABD	0,06	4,31	0,1	A
C-D				
C-A				

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	23	0,00	388	0,058	22	0,1	9,920	A
A-BCD	74	0,00	881	0,084	73	0,2	4,836	A
A-B	0	0,00			0			
A-C	494	0,00			494			
D-ABC	59	0,00	384	0,155	59	0,2	13,015	B
C-ABD	28	0,00	922	0,030	27	0,0	4,281	A
C-D	58	0,00			58			
C-A	472	0,00			472			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	27	0,00	340	0,079	27	0,1	11,560	B
A-BCD	109	0,00	942	0,115	108	0,3	4,704	A
A-B	0	0,00			0			
A-C	569	0,00			569			
D-ABC	71	0,00	336	0,212	71	0,3	15,981	C
C-ABD	41	0,00	978	0,041	40	0,1	4,106	A
C-D	68	0,00			68			
C-A	557	0,00			557			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	33	0,00	274	0,121	33	0,1	15,052	C
A-BCD	180	0,00	1030	0,175	179	0,6	4,633	A
A-B	0	0,00			0			
A-C	650	0,00			650			
D-ABC	87	0,00	268	0,324	86	0,5	23,129	C
C-ABD	67	0,00	1061	0,063	67	0,1	3,910	A
C-D	81	0,00			81			
C-A	666	0,00			666			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	33	0,00	273	0,121	33	0,1	15,099	C
A-BCD	181	0,00	1030	0,175	181	0,6	4,658	A
A-B	0	0,00			0			
A-C	649	0,00			649			
D-ABC	87	0,00	268	0,324	87	0,6	23,396	C
C-ABD	67	0,00	1061	0,063	67	0,1	3,927	A
C-D	81	0,00			81			
C-A	666	0,00			666			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	27	0,00	340	0,079	27	0,1	11,602	B
A-BCD	109	0,00	943	0,116	111	0,3	4,748	A
A-B	0	0,00			0			
A-C	568	0,00			568			
D-ABC	71	0,00	335	0,212	72	0,3	16,168	C
C-ABD	41	0,00	978	0,042	41	0,1	4,151	A
C-D	68	0,00			68			
C-A	557	0,00			557			

09:15 - 09:30

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	23	0,00	387	0,058	23	0,1	9,947	A
A-BCD	74	0,00	882	0,084	75	0,2	4,866	A
A-B	0	0,00			0			
A-C	493	0,00			493			
D-ABC	59	0,00	383	0,155	60	0,2	13,131	B
C-ABD	28	0,00	922	0,030	28	0,0	4,306	A
C-D	58	0,00			58			
C-A	472	0,00			472			

D6 - 2042 | Forecast Baseline | PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Arm A Direction	Arm B Direction	Arm C Direction	Arm D Direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way	Two-way	Two-way	Two-way		6,66	A

Junction Network

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold	Network delay (s)	Network LOS
Left	Normal/unknown	-7	Stream D-ABC	6,66	A

Traffic Demand

Demand Set Details

ID	Year	Scenario	Time period	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D6	2042	Forecast Baseline	PM	ONE HOUR	17:00	18:30	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - Seven Mile Lane N		✓	638	100,000
B - Comp Lane E		✓	7	100,000
C - Seven Mile Lane S		✓	780	100,000
D - Comp Lane W		✓	189	100,000

Origin-Destination Data

Demand (PCU/hr)

	To				
		A - Seven Mile Lane N	B - Comp Lane E	C - Seven Mile Lane S	D - Comp Lane W
	A - Seven Mile Lane N	0	0	633	5
	B - Comp Lane E	0	0	0	7
	C - Seven Mile Lane S	643	60	0	77
	D - Comp Lane W	22	34	133	0

Vehicle Mix

Heavy Vehicle %

	To				
		A - Seven Mile Lane N	B - Comp Lane E	C - Seven Mile Lane S	D - Comp Lane W
	A - Seven Mile Lane N	0	0	6	4
	B - Comp Lane E	0	0	0	1
	C - Seven Mile Lane S	5	0	0	10
	D - Comp Lane W	23	4	15	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-ACD	0,03	15,07	0,0	C
A-BCD	0,02	4,63	0,0	A
A-B				
A-C				
D-ABC	0,73	51,46	2,8	F
C-ABD	0,23	4,55	0,8	A
C-D				
C-A				

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	5	0,00	356	0,015	5	0,0	10,358	B
A-BCD	9	0,00	828	0,011	9	0,0	4,619	A
A-B	0	0,00			0			
A-C	471	0,00			471			
D-ABC	142	0,00	394	0,361	140	0,6	15,971	C
C-ABD	107	0,00	937	0,114	106	0,3	4,464	A
C-D	51	0,00			51			
C-A	429	0,00			429			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	6	0,00	311	0,020	6	0,0	11,923	B
A-BCD	13	0,00	877	0,015	13	0,0	4,381	A
A-B	0	0,00			0			
A-C	561	0,00			561			
D-ABC	170	0,00	348	0,488	168	1,0	22,516	C
C-ABD	155	0,00	995	0,156	155	0,4	4,435	A
C-D	58	0,00			58			
C-A	487	0,00			487			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	8	0,00	249	0,031	8	0,0	15,050	C
A-BCD	21	0,00	950	0,022	21	0,0	4,082	A
A-B	0	0,00			0			
A-C	682	0,00			682			
D-ABC	208	0,00	285	0,729	202	2,6	46,007	E
C-ABD	252	0,00	1078	0,234	251	0,8	4,528	A
C-D	65	0,00			65			
C-A	542	0,00			542			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	8	0,00	249	0,031	8	0,0	15,069	C
A-BCD	21	0,00	950	0,022	21	0,0	4,087	A
A-B	0	0,00			0			
A-C	682	0,00			682			
D-ABC	208	0,00	285	0,730	207	2,8	51,456	F
C-ABD	253	0,00	1079	0,234	253	0,8	4,554	A
C-D	65	0,00			65			
C-A	541	0,00			541			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	6	0,00	311	0,020	6	0,0	11,944	B
A-BCD	13	0,00	877	0,015	13	0,0	4,391	A
A-B	0	0,00			0			
A-C	561	0,00			561			
D-ABC	170	0,00	348	0,489	177	1,1	24,729	C
C-ABD	156	0,00	996	0,157	158	0,5	4,480	A
C-D	58	0,00			58			
C-A	487	0,00			487			

18:15 - 18:30

Stream	Total Demand (PCU/hr)	Pedestrian demand (Ped/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	5	0,00	356	0,015	5	0,0	10,377	B
A-BCD	9	0,00	828	0,011	9	0,0	4,628	A
A-B	0	0,00			0			
A-C	471	0,00			471			
D-ABC	142	0,00	393	0,362	144	0,7	16,559	C
C-ABD	108	0,00	938	0,115	109	0,3	4,499	A
C-D	51	0,00			51			
C-A	428	0,00			428			