

Junctions 10											
PICADY 10 - Priority Intersection Module											
Version: 10.1.1.1905											
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Filename: Lutterworth Road_Passchendaele Drive.j10

Path: P:\2021\P21-390\T&T\Capacity Assessments\Junctions 10\5016 - Response to LCC

Report generation date: 25/04/2024 12:46:26

»2021, AM
»2021, PM
»2026, AM
»2026, PM
»2026 + Dev, AM
»2026 + Dev, PM

Summary of junction performance

	AM					PM				
	Set ID	Queue (Veh)	Delay (s)	RFC	LOS	Set ID	Queue (Veh)	Delay (s)	RFC	LOS
	2021									
Stream B-AC	D1	0.1	7.29	0.08	A	D2	0.0	7.09	0.03	A
Stream C-AB		0.0	4.56	0.04	A		0.1	5.20	0.04	A
	2026									
Stream B-AC	D3	0.1	7.60	0.09	A	D4	0.0	7.63	0.03	A
Stream C-AB		0.1	4.11	0.04	A		0.1	5.22	0.05	A
	2026 + Dev									
Stream B-AC	D5	0.2	8.39	0.16	A	D6	0.1	8.13	0.06	A
Stream C-AB		0.1	4.14	0.08	A		0.1	5.50	0.08	A

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

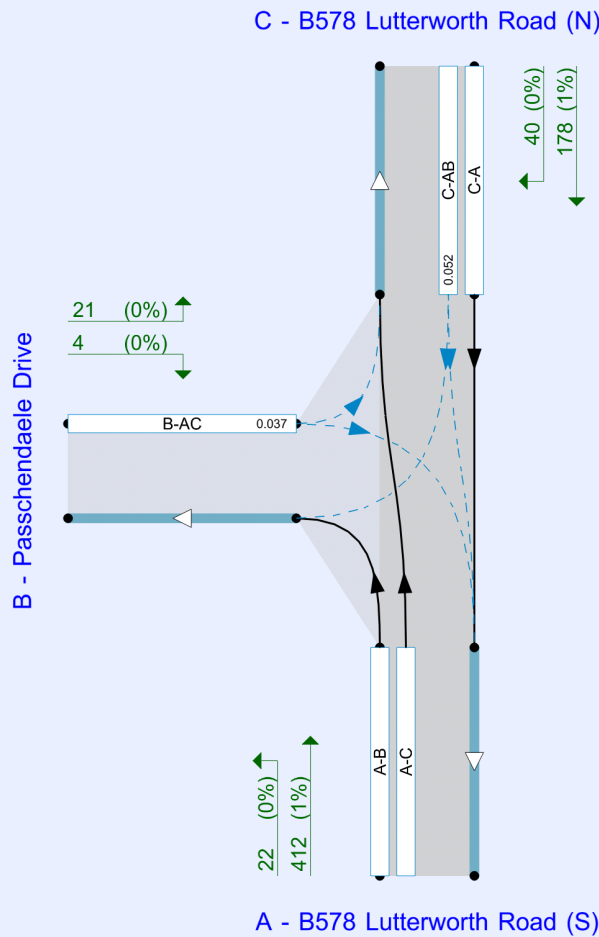
File summary

File Description

Title	B578 Lutterworth Road / Passchendaele Drive Junction
Location	
Site number	
Date	27/10/2023
Version	
Status	Existing
Identifier	
Client	Redrow Homes
Jobnumber	P21-390
Enumerator	
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	Veh	Veh	perHour	s	-Min	perMin



Flows show original traffic demand (Veh/hr).
Streams (downstream end) show RFC ()

The junction diagram reflects the last run of Junctions.

Analysis Options

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

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D1	2021	AM	ONE HOUR	07:45	09:15	15
D2	2021	PM	ONE HOUR	16:45	18:15	15
D3	2026	AM	ONE HOUR	07:45	09:15	15
D4	2026	PM	ONE HOUR	16:45	18:15	15
D5	2026 + Dev	AM	ONE HOUR	07:45	09:15	15
D6	2026 + Dev	PM	ONE HOUR	16:45	18:15	15

Analysis Set Details

ID	Network flow scaling factor (%)
A1	100.000

2021, 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	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Lutterworth Road / Passchendaale Drive	T-Junction	Two-way	Two-way	Two-way		0.99	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.99	A

Arms

Arms

Arm	Name	Description	Arm type
A	B578 Lutterworth Road (S)		Major
B	Passchendaale Drive		Minor
C	B578 Lutterworth Road (N)		Major

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)
C - B578 Lutterworth Road (N)	6.00			250.0	✓	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 - Passchendaale Drive	One lane	2.75	20	21

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Stream	Intercept (Veh/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
B-A	482	0.088	0.222	0.140	0.317
B-C	621	0.095	0.241	-	-
C-B	719	0.278	0.278	-	-

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	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D1	2021	AM	ONE HOUR	07:45	09:15	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - B578 Lutterworth Road (S)		✓	111	100.000
B - Passchendaale Drive		✓	41	100.000
C - B578 Lutterworth Road (N)		✓	267	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - B578 Lutterworth Road (S)	B - Passchendaale Drive	C - B578 Lutterworth Road (N)
	From			
	A - B578 Lutterworth Road (S)	0	1	110
	B - Passchendaale Drive	9	0	32
	C - B578 Lutterworth Road (N)	248	19	0

Vehicle Mix

Heavy Vehicle %

	To			
		A - B578 Lutterworth Road (S)	B - Passchendaale Drive	C - B578 Lutterworth Road (N)
	From			
	A - B578 Lutterworth Road (S)	0	0	3
	B - Passchendaale Drive	0	0	0
	C - B578 Lutterworth Road (N)	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-AC	0.08	7.29	0.1	A
C-AB	0.04	4.56	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	31	553	0.056	31	0.1	6.882	A
C-AB	19	809	0.023	18	0.0	4.556	A
C-A	182			182			
A-B	0.75			0.75			
A-C	83			83			

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	37	547	0.067	37	0.1	7.052	A
C-AB	23	827	0.028	23	0.0	4.480	A
C-A	217			217			
A-B	0.90			0.90			
A-C	99			99			

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	45	539	0.084	45	0.1	7.294	A
C-AB	31	852	0.036	31	0.0	4.382	A
C-A	263			263			
A-B	1			1			
A-C	121			121			

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	45	539	0.084	45	0.1	7.294	A
C-AB	31	852	0.036	31	0.0	4.385	A
C-A	263			263			
A-B	1			1			
A-C	121			121			

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	37	547	0.067	37	0.1	7.054	A
C-AB	23	827	0.028	23	0.0	4.484	A
C-A	217			217			
A-B	0.90			0.90			
A-C	99			99			

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	31	553	0.056	31	0.1	6.892	A
C-AB	19	809	0.023	19	0.0	4.559	A
C-A	182			182			
A-B	0.75			0.75			
A-C	83			83			

2021, 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	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Lutterworth Road / Passchendaale Drive	T-Junction	Two-way	Two-way	Two-way		0.57	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.57	A

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)
D2	2021	PM	ONE HOUR	16:45	18:15	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - B578 Lutterworth Road (S)		✓	260	100.000
B - Passchendaale Drive		✓	14	100.000
C - B578 Lutterworth Road (N)		✓	143	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - B578 Lutterworth Road (S)	B - Passchendaale Drive	C - B578 Lutterworth Road (N)
From	A - B578 Lutterworth Road (S)	0	12	248
	B - Passchendaale Drive	2	0	12
	C - B578 Lutterworth Road (N)	120	23	0

Vehicle Mix

Heavy Vehicle %

	To			
		A - B578 Lutterworth Road (S)	B - Passchendaale Drive	C - B578 Lutterworth Road (N)
From	A - B578 Lutterworth Road (S)	0	0	1
	B - Passchendaale Drive	0	0	0
	C - B578 Lutterworth Road (N)	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-AC	0.03	7.09	0.0	A
C-AB	0.04	5.20	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	11	547	0.019	10	0.0	6.714	A
C-AB	20	720	0.027	20	0.0	5.137	A
C-A	88			88			
A-B	9			9			
A-C	187			187			

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	13	537	0.023	13	0.0	6.866	A
C-AB	24	721	0.034	24	0.0	5.163	A
C-A	104			104			
A-B	11			11			
A-C	223			223			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	15	523	0.029	15	0.0	7.089	A
C-AB	31	723	0.043	31	0.1	5.200	A
C-A	126			126			
A-B	13			13			
A-C	273			273			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	15	523	0.029	15	0.0	7.089	A
C-AB	31	723	0.043	31	0.1	5.204	A
C-A	126			126			
A-B	13			13			
A-C	273			273			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	13	537	0.023	13	0.0	6.870	A
C-AB	24	721	0.034	24	0.0	5.168	A
C-A	104			104			
A-B	11			11			
A-C	223			223			

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	11	547	0.019	11	0.0	6.715	A
C-AB	20	720	0.028	20	0.0	5.139	A
C-A	88			88			
A-B	9			9			
A-C	187			187			

2026, 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	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Lutterworth Road / Passchendaale Drive	T-Junction	Two-way	Two-way	Two-way		0.69	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.69	A

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)
D3	2026	AM	ONE HOUR	07:45	09:15	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - B578 Lutterworth Road (S)		✓	136	100.000
B - Passchendaale Drive		✓	41	100.000
C - B578 Lutterworth Road (N)		✓	472	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - B578 Lutterworth Road (S)	B - Passchendaale Drive	C - B578 Lutterworth Road (N)
From	A - B578 Lutterworth Road (S)	0	1	135
	B - Passchendaale Drive	9	0	32
	C - B578 Lutterworth Road (N)	453	19	0

Vehicle Mix

Heavy Vehicle %

	To			
		A - B578 Lutterworth Road (S)	B - Passchendaale Drive	C - B578 Lutterworth Road (N)
From	A - B578 Lutterworth Road (S)	0	0	3
	B - Passchendaale Drive	0	0	0
	C - B578 Lutterworth Road (N)	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-AC	0.09	7.60	0.1	A
C-AB	0.04	4.11	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	31	541	0.057	31	0.1	7.055	A
C-AB	23	898	0.026	23	0.0	4.111	A
C-A	332			332			
A-B	0.75			0.75			
A-C	102			102			

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	37	532	0.069	37	0.1	7.274	A
C-AB	30	935	0.032	30	0.0	3.979	A
C-A	394			394			
A-B	0.90			0.90			
A-C	121			121			

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	45	519	0.087	45	0.1	7.597	A
C-AB	42	985	0.043	42	0.1	3.815	A
C-A	477			477			
A-B	1			1			
A-C	149			149			

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	45	519	0.087	45	0.1	7.597	A
C-AB	42	985	0.043	42	0.1	3.820	A
C-A	477			477			
A-B	1			1			
A-C	149			149			

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	37	532	0.069	37	0.1	7.277	A
C-AB	30	935	0.032	30	0.0	3.982	A
C-A	394			394			
A-B	0.90			0.90			
A-C	121			121			

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	31	541	0.057	31	0.1	7.065	A
C-AB	23	899	0.026	23	0.0	4.114	A
C-A	332			332			
A-B	0.75			0.75			
A-C	102			102			

2026, 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	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Lutterworth Road / Passchendaale Drive	T-Junction	Two-way	Two-way	Two-way		0.44	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.44	A

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)
D4	2026	PM	ONE HOUR	16:45	18:15	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - B578 Lutterworth Road (S)		✓	386	100.000
B - Passchendaale Drive		✓	14	100.000
C - B578 Lutterworth Road (N)		✓	194	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - B578 Lutterworth Road (S)	B - Passchendaale Drive	C - B578 Lutterworth Road (N)
From	A - B578 Lutterworth Road (S)	0	12	374
	B - Passchendaale Drive	2	0	12
	C - B578 Lutterworth Road (N)	171	23	0

Vehicle Mix

Heavy Vehicle %

	To			
		A - B578 Lutterworth Road (S)	B - Passchendaale Drive	C - B578 Lutterworth Road (N)
From	A - B578 Lutterworth Road (S)	0	0	1
	B - Passchendaale Drive	0	0	0
	C - B578 Lutterworth Road (N)	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-AC	0.03	7.63	0.0	A
C-AB	0.05	5.22	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	11	522	0.020	10	0.0	7.033	A
C-AB	21	720	0.029	21	0.0	5.152	A
C-A	125			125			
A-B	9			9			
A-C	282			282			

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	13	508	0.025	13	0.0	7.270	A
C-AB	26	721	0.036	26	0.0	5.178	A
C-A	148			148			
A-B	11			11			
A-C	336			336			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	15	487	0.032	15	0.0	7.627	A
C-AB	34	724	0.047	34	0.1	5.218	A
C-A	179			179			
A-B	13			13			
A-C	412			412			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	15	487	0.032	15	0.0	7.627	A
C-AB	34	724	0.047	34	0.1	5.220	A
C-A	179			179			
A-B	13			13			
A-C	412			412			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	13	508	0.025	13	0.0	7.271	A
C-AB	26	721	0.037	26	0.1	5.184	A
C-A	148			148			
A-B	11			11			
A-C	336			336			

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	11	522	0.020	11	0.0	7.034	A
C-AB	21	720	0.029	21	0.0	5.154	A
C-A	125			125			
A-B	9			9			
A-C	282			282			

2026 + Dev, 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	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Lutterworth Road / Passchendaale Drive	T-Junction	Two-way	Two-way	Two-way		1.19	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	1.19	A

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)
D5	2026 + Dev	AM	ONE HOUR	07:45	09:15	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - B578 Lutterworth Road (S)		✓	141	100.000
B - Passchendaale Drive		✓	73	100.000
C - B578 Lutterworth Road (N)		✓	519	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - B578 Lutterworth Road (S)	B - Passchendaale Drive	C - B578 Lutterworth Road (N)
From	A - B578 Lutterworth Road (S)	0	1	140
	B - Passchendaale Drive	17	0	56
	C - B578 Lutterworth Road (N)	485	34	0

Vehicle Mix

Heavy Vehicle %

	To			
		A - B578 Lutterworth Road (S)	B - Passchendaale Drive	C - B578 Lutterworth Road (N)
From	A - B578 Lutterworth Road (S)	0	0	3
	B - Passchendaale Drive	0	0	0
	C - B578 Lutterworth Road (N)	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-AC	0.16	8.39	0.2	A
C-AB	0.08	4.14	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	55	534	0.103	55	0.1	7.505	A
C-AB	43	912	0.047	42	0.1	4.137	A
C-A	348			348			
A-B	0.75			0.75			
A-C	105			105			

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	66	524	0.125	66	0.1	7.856	A
C-AB	57	952	0.059	56	0.1	4.023	A
C-A	410			410			
A-B	0.90			0.90			
A-C	126			126			

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	80	509	0.158	80	0.2	8.385	A
C-AB	80	1006	0.080	80	0.1	3.886	A
C-A	491			491			
A-B	1			1			
A-C	154			154			

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	80	509	0.158	80	0.2	8.392	A
C-AB	80	1006	0.080	80	0.1	3.888	A
C-A	491			491			
A-B	1			1			
A-C	154			154			

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	66	524	0.125	66	0.1	7.865	A
C-AB	57	952	0.060	57	0.1	4.027	A
C-A	410			410			
A-B	0.90			0.90			
A-C	126			126			

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	55	534	0.103	55	0.1	7.521	A
C-AB	43	913	0.047	43	0.1	4.142	A
C-A	348			348			
A-B	0.75			0.75			
A-C	105			105			

2026 + Dev, 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	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Lutterworth Road / Passchendaale Drive	T-Junction	Two-way	Two-way	Two-way		0.72	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	0.72	A

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)
D6	2026 + Dev	PM	ONE HOUR	16:45	18:15	15

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - B578 Lutterworth Road (S)		✓	434	100.000
B - Passchendaale Drive		✓	25	100.000
C - B578 Lutterworth Road (N)		✓	218	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - B578 Lutterworth Road (S)	B - Passchendaale Drive	C - B578 Lutterworth Road (N)
From	A - B578 Lutterworth Road (S)	0	22	412
	B - Passchendaale Drive	4	0	21
	C - B578 Lutterworth Road (N)	178	40	0

Vehicle Mix

Heavy Vehicle %

	To			
		A - B578 Lutterworth Road (S)	B - Passchendaale Drive	C - B578 Lutterworth Road (N)
From	A - B578 Lutterworth Road (S)	0	0	1
	B - Passchendaale Drive	0	0	0
	C - B578 Lutterworth Road (N)	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-AC	0.06	8.13	0.1	A
C-AB	0.08	5.50	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	19	510	0.037	19	0.0	7.326	A
C-AB	37	714	0.052	37	0.1	5.317	A
C-A	127			127			
A-B	17			17			
A-C	310			310			

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	22	493	0.046	22	0.0	7.644	A
C-AB	46	714	0.065	46	0.1	5.389	A
C-A	150			150			
A-B	20			20			
A-C	370			370			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	28	470	0.059	27	0.1	8.128	A
C-AB	61	716	0.085	61	0.1	5.493	A
C-A	179			179			
A-B	24			24			
A-C	454			454			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	28	470	0.059	28	0.1	8.130	A
C-AB	61	716	0.085	61	0.1	5.496	A
C-A	179			179			
A-B	24			24			
A-C	454			454			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	22	493	0.046	23	0.0	7.649	A
C-AB	46	714	0.065	47	0.1	5.396	A
C-A	150			150			
A-B	20			20			
A-C	370			370			

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-AC	19	510	0.037	19	0.0	7.331	A
C-AB	37	714	0.052	37	0.1	5.323	A
C-A	127			127			
A-B	17			17			
A-C	310			310			