

Junctions 10									
PICADY 10 - Priority Intersection Module									
Version: 10.1.1.1905									
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Filename: Rugby Road_Coventry_Road - 2023 Traffic Count Flows.j10
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Report generation date: 25/04/2024 17:34:32

»2023, AM
 »2023, 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
	2023									
Stream B-C	D1	2.9	33.66	0.76	D	D2	0.7	12.22	0.40	B
Stream B-A		0.4	36.95	0.30	E		0.2	30.32	0.19	D
Stream C-B		0.5	11.58	0.33	B		2.0	20.44	0.68	C
	2026									
Stream B-C	D3	7.3	81.56	0.92	F	D4	1.5	28.54	0.62	D
Stream B-A		2.4	188.82	0.82	F		1.6	89.12	0.65	F
Stream C-B		0.4	12.24	0.31	B		2.8	26.33	0.75	D
	2026 + Dev									
Stream B-C	D5	57.4	493.82	1.34	F	D6	25.2	389.12	1.28	F
Stream B-A		12.6	568.29	1.28	F		12.2	441.05	1.24	F
Stream C-B		0.6	13.56	0.37	B		7.2	59.05	0.91	F

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

File summary

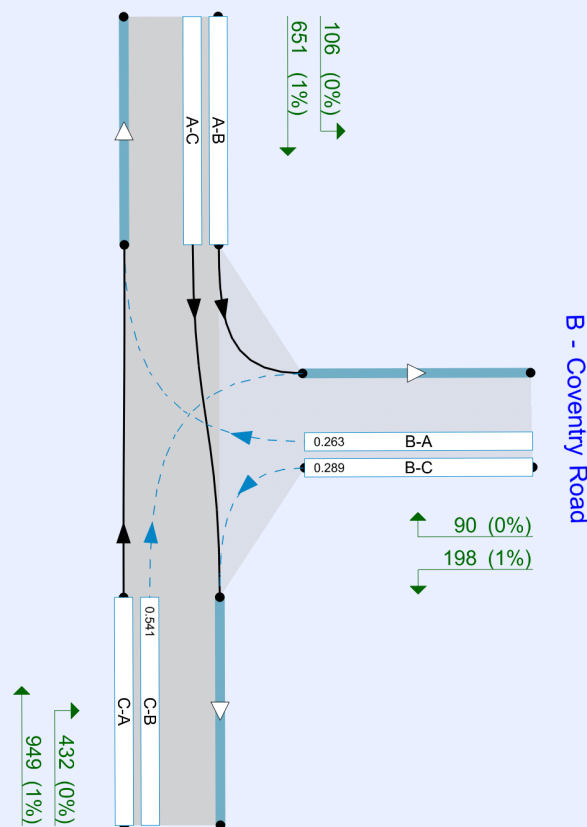
File Description

Title	B4109 Rugby Road / Coventry Road T-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

A - B4109 Rugby Road North



C - B4109 Rugby Road South

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

The junction diagram reflects the last run of Junctions.

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	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)	Use simulation for HCM roundabouts	Use iterations for HCM roundabouts
5.75						0.85	36.00	20.00		

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2023	AM	ONE HOUR	07:45	09:15	15	✓
D2	2023	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	Include in report	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	✓	100.000	100.000

2023, 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	B4109 Rugby Road / Coventry Road T-Junction	T-Junction	Two-way	Two-way	Two-way		7.14	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	7.14	A

Arms

Arms

Arm	Name	Description	Arm type
A	B4109 Rugby Road North		Major
B	Coventry Road		Minor
C	B4109 Rugby Road South		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Width of kerbed central reserve (m)	Has right-turn storage	Width for right-turn storage (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C - B4109 Rugby Road South	7.00	✓	6.00	✓	3.65	150.0		-

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	Width at give-way (m)	Width at 5m (m)	Width at 10m (m)	Width at 15m (m)	Width at 20m (m)	Estimate flare length	Flare length (PCU)	Visibility to left (m)	Visibility to right (m)
B - Coventry Road	One lane plus flare	10.00	6.20	3.70	3.30	3.30		0.75	43	46

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	589	0.090	0.229	0.144	0.327
B-C	722	0.106	0.268	-	-
C-B	765	0.284	0.284	-	-

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)	Run automatically
D1	2023	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - B4109 Rugby Road North		ONE HOUR	✓	842	100.000
B - Coventry Road		ONE HOUR	✓	337	100.000
C - B4109 Rugby Road South		ONE HOUR	✓	616	100.000

Origin-Destination Data

Demand (Veh/hr)

From	To			
		A - B4109 Rugby Road North	B - Coventry Road	C - B4109 Rugby Road South
	A - B4109 Rugby Road North	0	51	791
	B - Coventry Road	37	0	300
	C - B4109 Rugby Road South	480	136	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

From	To			
		A - B4109 Rugby Road North	B - Coventry Road	C - B4109 Rugby Road South
	A - B4109 Rugby Road North	0	2	3
	B - Coventry Road	0	0	1
	C - B4109 Rugby Road South	6	7	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-C	0.76	33.66	2.9	D	275	413
B-A	0.30	36.95	0.4	E	34	51
C-A					440	661
C-B	0.33	11.58	0.5	B	125	187
A-B					47	70
A-C					726	1089

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	226	56	534	0.423	223	0.0	0.7	11.493	B
B-A	28	7	323	0.086	27	0.0	0.1	12.154	B
C-A	361	90			361				
C-B	102	26	540	0.190	101	0.0	0.2	8.190	A
A-B	38	10			38				
A-C	596	149			596				

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	270	67	495	0.545	268	0.7	1.2	15.722	C
B-A	33	8	254	0.131	33	0.1	0.1	16.271	C
C-A	432	108			432				
C-B	122	31	507	0.241	122	0.2	0.3	9.349	A
A-B	46	11			46				
A-C	711	178			711				

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	330	83	436	0.757	324	1.2	2.8	30.490	D
B-A	41	10	144	0.284	40	0.1	0.4	34.370	D
C-A	528	132			528				
C-B	150	37	460	0.325	149	0.3	0.5	11.538	B
A-B	56	14			56				
A-C	871	218			871				

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	330	83	435	0.760	330	2.8	2.9	33.656	D
B-A	41	10	138	0.295	41	0.4	0.4	36.945	E
C-A	528	132			528				
C-B	150	37	460	0.325	150	0.5	0.5	11.583	B
A-B	56	14			56				
A-C	871	218			871				

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	270	67	494	0.546	276	2.9	1.2	17.019	C
B-A	33	8	249	0.134	34	0.4	0.2	16.863	C
C-A	432	108			432				
C-B	122	31	507	0.241	123	0.5	0.3	9.396	A
A-B	46	11			46				
A-C	711	178			711				

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	226	56	533	0.424	228	1.2	0.8	11.868	B
B-A	28	7	321	0.087	28	0.2	0.1	12.301	B
C-A	361	90			361				
C-B	102	26	540	0.190	103	0.3	0.2	8.238	A
AB	38	10			38				
AC	596	149			596				

2023, 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	B4109 Rugby Road / Coventry Road T-Junction	T-Junction	Two-way	Two-way	Two-way		4.63	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	4.63	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)	Run automatically
D2	2023	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - B4109 Rugby Road North		ONE HOUR	✓	688	100.000
B - Coventry Road		ONE HOUR	✓	205	100.000
C - B4109 Rugby Road South		ONE HOUR	✓	1228	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - B4109 Rugby Road North	B - Coventry Road	C - B4109 Rugby Road South
From	A - B4109 Rugby Road North	0	83	605
	B - Coventry Road	26	0	179
	C - B4109 Rugby Road South	891	337	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
		A - B4109 Rugby Road North	B - Coventry Road	C - B4109 Rugby Road South
From	A - B4109 Rugby Road North	0	0	1
	B - Coventry Road	0	0	1
	C - B4109 Rugby Road South	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-C	0.40	12.22	0.7	B	164	246
B-A	0.19	30.32	0.2	D	24	36
C-A					818	1226
C-B	0.68	20.44	2.0	C	309	464
A-B					76	114
A-C					555	833

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	135	34	575	0.234	134	0.0	0.3	8.135	A
B-A	20	5	292	0.067	19	0.0	0.1	13.180	B
C-A	671	168			671				
C-B	254	63	615	0.413	251	0.0	0.7	9.825	A
A-B	62	16			62				
A-C	455	114			455				

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	161	40	544	0.296	160	0.3	0.4	9.372	A
B-A	23	6	232	0.101	23	0.1	0.1	17.250	C
C-A	801	200			801				
C-B	303	76	586	0.517	302	0.7	1.0	12.592	B
A-B	75	19			75				
A-C	544	136			544				

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	197	49	493	0.400	196	0.4	0.7	12.106	B
B-A	29	7	149	0.193	28	0.1	0.2	29.751	D
C-A	981	245			981				
C-B	371	93	546	0.679	367	1.0	2.0	19.697	C
A-B	91	23			91				
A-C	666	167			666				

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	197	49	491	0.401	197	0.7	0.7	12.224	B
B-A	29	7	147	0.194	29	0.2	0.2	30.315	D
C-A	981	245			981				
C-B	371	93	546	0.679	371	2.0	2.0	20.444	C
A-B	91	23			91				
A-C	666	167			666				

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	161	40	543	0.296	162	0.7	0.4	9.457	A
B-A	23	6	230	0.102	24	0.2	0.1	17.519	C
C-A	801	200			801				
C-B	303	76	586	0.517	307	2.0	1.1	13.062	B
A-B	75	19			75				
A-C	544	136			544				

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	135	34	575	0.235	135	0.4	0.3	8.202	A
B-A	20	5	291	0.067	20	0.1	0.1	13.301	B
C-A	671	168			671				
C-B	254	63	615	0.413	255	1.1	0.7	10.056	B
A-B	62	16			62				
A-C	455	114			455				

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	B4109 Rugby Road / Coventry Road T-Junction	T-Junction	Two-way	Two-way	Two-way		17.08	C

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	17.08	C

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)	Run automatically
D3	2026	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - B4109 Rugby Road North		ONE HOUR	✓	948	100.000
B - Coventry Road		ONE HOUR	✓	362	100.000
C - B4109 Rugby Road South		ONE HOUR	✓	756	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - B4109 Rugby Road North	B - Coventry Road	C - B4109 Rugby Road South
From	A - B4109 Rugby Road North	0	75	873
	B - Coventry Road	47	0	315
	C - B4109 Rugby Road South	636	120	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
		A - B4109 Rugby Road North	B - Coventry Road	C - B4109 Rugby Road South
From	A - B4109 Rugby Road North	0	1	3
	B - Coventry Road	0	0	1
	C - B4109 Rugby Road South	4	8	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-C	0.92	81.56	7.3	F	289	434
B-A	0.82	188.82	2.4	F	43	65
C-A					584	875
C-B	0.31	12.24	0.4	B	110	165
A-B					69	103
A-C					801	1202

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	237	59	511	0.464	234	0.0	0.8	12.841	B
B-A	35	9	290	0.122	35	0.0	0.1	14.105	B
C-A	479	120			479				
C-B	90	23	515	0.176	90	0.0	0.2	8.445	A
A-B	56	14			56				
A-C	657	164			657				

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	283	71	464	0.610	281	0.8	1.5	19.304	C
B-A	42	11	210	0.201	42	0.1	0.2	21.332	C
C-A	572	143			572				
C-B	108	27	478	0.226	108	0.2	0.3	9.722	A
A-B	67	17			67				
A-C	785	196			785				

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	347	87	384	0.903	331	1.5	5.6	55.448	F
B-A	52	13	82	0.634	47	0.2	1.3	96.389	F
C-A	700	175			700				
C-B	132	33	426	0.310	132	0.3	0.4	12.193	B
A-B	83	21			83				
A-C	961	240			961				

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	347	87	375	0.924	340	5.6	7.3	81.560	F
B-A	52	13	63	0.821	47	1.3	2.4	188.823	F
C-A	700	175			700				
C-B	132	33	426	0.310	132	0.4	0.4	12.241	B
A-B	83	21			83				
A-C	961	240			961				

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	283	71	455	0.623	305	7.3	1.8	27.191	D
B-A	42	11	190	0.222	51	2.4	0.3	27.183	D
C-A	572	143			572				
C-B	108	27	478	0.226	108	0.4	0.3	9.770	A
A-B	67	17			67				
A-C	785	196			785				

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	237	59	510	0.465	241	1.8	0.9	13.515	B
B-A	35	9	286	0.124	36	0.3	0.1	14.431	B
C-A	479	120			479				
C-B	90	23	515	0.176	91	0.3	0.2	8.496	A
A-B	56	14			56				
A-C	657	164			657				

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	B4109 Rugby Road / Coventry Road T-Junction	T-Junction	Two-way	Two-way	Two-way		8.87	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	8.87	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)	Run automatically
D4	2026	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - B4109 Rugby Road North		ONE HOUR	✓	736	100.000
B - Coventry Road		ONE HOUR	✓	247	100.000
C - B4109 Rugby Road South		ONE HOUR	✓	1309	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - B4109 Rugby Road North	B - Coventry Road	C - B4109 Rugby Road South
From	A - B4109 Rugby Road North	0	85	651
	B - Coventry Road	64	0	183
	C - B4109 Rugby Road South	949	360	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
		A - B4109 Rugby Road North	B - Coventry Road	C - B4109 Rugby Road South
From	A - B4109 Rugby Road North	0	0	1
	B - Coventry Road	0	0	1
	C - B4109 Rugby Road South	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-C	0.62	28.54	1.5	D	168	252
B-A	0.65	89.12	1.6	F	59	88
C-A					871	1306
C-B	0.75	26.33	2.8	D	330	496
A-B					78	117
A-C					597	896

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	138	34	541	0.255	136	0.0	0.3	8.869	A
B-A	48	12	276	0.175	47	0.0	0.2	15.707	C
C-A	714	179			714				
C-B	271	68	605	0.448	268	0.0	0.8	10.599	B
A-B	64	16			64				
A-C	490	123			490				

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	165	41	490	0.335	164	0.3	0.5	11.002	B
B-A	58	14	208	0.276	57	0.2	0.4	23.669	C
C-A	853	213			853				
C-B	324	81	574	0.564	322	0.8	1.3	14.181	B
A-B	76	19			76				
A-C	585	146			585				

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	201	50	346	0.582	198	0.5	1.3	23.803	C
B-A	70	18	112	0.629	66	0.4	1.4	73.540	F
C-A	1045	261			1045				
C-B	396	99	531	0.746	391	1.3	2.7	24.650	C
A-B	94	23			94				
A-C	717	179			717				

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	201	50	325	0.619	201	1.3	1.5	28.542	D
B-A	70	18	108	0.650	70	1.4	1.6	89.119	F
C-A	1045	261			1045				
C-B	396	99	531	0.746	396	2.7	2.8	26.328	D
A-B	94	23			94				
A-C	717	179			717				

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	165	41	481	0.342	169	1.5	0.5	11.660	B
B-A	58	14	205	0.281	62	1.6	0.4	25.999	D
C-A	853	213			853				
C-B	324	81	574	0.564	329	2.8	1.3	15.056	C
A-B	76	19			76				
A-C	585	146			585				

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	138	34	539	0.256	138	0.5	0.3	9.001	A
B-A	48	12	274	0.176	49	0.4	0.2	16.052	C
C-A	714	179			714				
C-B	271	68	605	0.448	273	1.3	0.8	10.928	B
A-B	64	16			64				
A-C	490	123			490				

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	B4109 Rugby Road / Coventry Road T-Junction	T-Junction	Two-way	Two-way	Two-way		106.11	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	106.11	F

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - B4109 Rugby Road North		ONE HOUR	✓	973	100.000
B - Coventry Road		ONE HOUR	✓	473	100.000
C - B4109 Rugby Road South		ONE HOUR	✓	780	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - B4109 Rugby Road North	B - Coventry Road	C - B4109 Rugby Road South
From	A - B4109 Rugby Road North	0	100	873
	B - Coventry Road	80	0	393
	C - B4109 Rugby Road South	636	144	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
		A - B4109 Rugby Road North	B - Coventry Road	C - B4109 Rugby Road South
From	A - B4109 Rugby Road North	0	1	3
	B - Coventry Road	0	0	1
	C - B4109 Rugby Road South	4	7	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-C	1.34	493.82	57.4	F	361	541
B-A	1.28	568.29	12.6	F	73	110
C-A					584	875
C-B	0.37	13.56	0.6	B	132	198
A-B					92	138
A-C					801	1202

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	296	74	489	0.605	290	0.0	1.5	17.636	C
B-A	60	15	248	0.242	59	0.0	0.3	18.884	C
C-A	479	120			479				
C-B	108	27	516	0.210	107	0.0	0.3	8.788	A
A-B	75	19			75				
A-C	657	164			657				

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	353	88	423	0.836	343	1.5	4.0	40.859	E
B-A	72	18	136	0.527	69	0.3	1.0	51.643	F
C-A	572	143			572				
C-B	129	32	477	0.271	129	0.3	0.4	10.321	B
A-B	90	22			90				
A-C	785	196			785				

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	433	108	335	1.290	330	4.0	29.7	209.458	F
B-A	88	22	69	1.280	63	1.0	7.4	307.099	F
C-A	700	175			700				
C-B	159	40	424	0.374	158	0.4	0.6	13.473	B
A-B	110	28			110				
A-C	961	240			961				

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	433	108	323	1.342	322	29.7	57.4	475.754	F
B-A	88	22	69	1.281	67	7.4	12.6	568.289	F
C-A	700	175			700				
C-B	159	40	424	0.374	159	0.6	0.6	13.559	B
A-B	110	28			110				
A-C	961	240			961				

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	353	88	388	0.909	382	57.4	50.3	493.823	F
B-A	72	18	82	0.882	77	12.6	11.4	560.309	F
C-A	572	143			572				
C-B	129	32	477	0.271	130	0.6	0.4	10.396	B
A-B	90	22			90				
A-C	785	196			785				

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	296	74	437	0.678	428	50.3	17.2	290.469	F
B-A	60	15	93	0.647	86	11.4	5.1	369.126	F
C-A	479	120			479				
C-B	108	27	516	0.210	109	0.4	0.3	8.850	A
A-B	75	19			75				
A-C	657	164			657				

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	B4109 Rugby Road / Coventry Road T-Junction	T-Junction	Two-way	Two-way	Two-way		58.53	F

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	58.53	F

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - B4109 Rugby Road North		ONE HOUR	✓	757	100.000
B - Coventry Road		ONE HOUR	✓	288	100.000
C - B4109 Rugby Road South		ONE HOUR	✓	1381	100.000

Origin-Destination Data

Demand (Veh/hr)

	To			
		A - B4109 Rugby Road North	B - Coventry Road	C - B4109 Rugby Road South
From	A - B4109 Rugby Road North	0	106	651
	B - Coventry Road	90	0	198
	C - B4109 Rugby Road South	949	432	0

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Heavy Vehicle %

	To			
		A - B4109 Rugby Road North	B - Coventry Road	C - B4109 Rugby Road South
From	A - B4109 Rugby Road North	0	0	1
	B - Coventry Road	0	0	1
	C - B4109 Rugby Road South	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-C	1.28	389.12	25.2	F	182	273
B-A	1.24	441.05	12.2	F	83	124
C-A					871	1306
C-B	0.91	59.05	7.2	F	396	595
A-B					97	146
A-C					597	896

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	149	37	515	0.289	147	0.0	0.4	9.746	A
B-A	68	17	258	0.263	66	0.0	0.3	18.696	C
C-A	714	179			714				
C-B	325	81	601	0.541	321	0.0	1.1	12.661	B
A-B	80	20			80				
A-C	490	123			490				

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	178	44	434	0.410	177	0.4	0.7	13.959	B
B-A	81	20	182	0.445	79	0.3	0.8	34.521	D
C-A	853	213			853				
C-B	388	97	569	0.683	385	1.1	2.0	19.174	C
A-B	95	24			95				
A-C	585	146			585				

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	218	55	180	1.212	169	0.7	13.0	181.202	F
B-A	99	25	83	1.191	74	0.8	6.9	244.146	F
C-A	1045	261			1045				
C-B	476	119	525	0.905	459	2.0	6.2	45.680	E
A-B	117	29			117				
A-C	717	179			717				

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	218	55	171	1.277	169	13.0	25.2	389.124	F
B-A	99	25	80	1.236	78	6.9	12.2	441.046	F
C-A	1045	261			1045				
C-B	476	119	525	0.905	471	6.2	7.2	59.046	F
A-B	117	29			117				
A-C	717	179			717				

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	178	44	273	0.653	262	25.2	4.1	214.469	F
B-A	81	20	127	0.638	117	12.2	3.1	253.638	F
C-A	853	213			853				
C-B	388	97	569	0.683	408	7.2	2.3	24.675	C
A-B	95	24			95				
A-C	585	146			585				

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	149	37	499	0.299	164	4.1	0.4	11.207	B
B-A	68	17	251	0.269	78	3.1	0.4	22.013	C
C-A	714	179			714				
C-B	325	81	601	0.541	330	2.3	1.2	13.481	B
A-B	80	20			80				
A-C	490	123			490				