

<h1>Junctions 9</h1>
<h2>PICADY 9 - Priority Intersection Module</h2>
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**Filename:** A629 Abbey Road The Knowle.j9

**Path:** C:\AMA\AMA\AMA - Documents\001 - Projects\23174 - Eastfield, Shepley\D Models and Drawings\JUNCTION MODELLING

**Report generation date:** 04/09/2025 16:08:04

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- »2025, AM
  - »2025, PM
  - »2030, AM
  - »2030, PM
  - »2030 + Committed, AM
  - »2030 + Committed, PM
  - »2030 + Committed + Development, AM
  - »2030 + Committed + Development, PM
  - »2030 + Committed + Development (Vision and Validate), AM
  - »2030 + Committed + Development (Vision and Validate), PM

### Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
<b>2025</b>										
Stream B-ACD	D1	0.1	9.37	0.07	A	D2	0.1	8.94	0.05	A
Stream A-BCD		0.1	7.12	0.06	A		0.1	7.35	0.11	A
Stream D-ABC		0.1	7.01	0.11	A		0.1	6.51	0.08	A
Stream C-ABD		0.0	7.05	0.01	A		0.0	7.71	0.03	A
<b>2030</b>										
Stream B-ACD	D3	0.1	9.70	0.08	A	D4	0.1	9.36	0.05	A
Stream A-BCD		0.1	7.21	0.06	A		0.1	7.45	0.11	A
Stream D-ABC		0.1	7.12	0.12	A		0.1	6.59	0.08	A
Stream C-ABD		0.0	7.13	0.02	A		0.0	7.82	0.03	A
<b>2030 + Committed</b>										
Stream B-ACD	D5	0.1	9.82	0.08	A	D6	0.1	9.46	0.05	A
Stream A-BCD		0.1	7.23	0.06	A		0.1	7.50	0.11	A
Stream D-ABC		0.1	7.15	0.12	A		0.1	6.64	0.08	A
Stream C-ABD		0.0	7.17	0.02	A		0.0	7.86	0.03	A
<b>2030 + Committed + Development</b>										
Stream B-ACD	D7	0.1	9.86	0.08	A	D8	0.1	9.57	0.06	A
Stream A-BCD		0.1	7.25	0.06	A		0.1	7.55	0.11	A
Stream D-ABC		0.1	7.25	0.12	A		0.1	6.91	0.09	A
Stream C-ABD		0.0	7.23	0.02	A		0.1	8.07	0.05	A
<b>2030 + Committed + Development (Vision and Validate)</b>										
Stream B-ACD	D9	0.1	8.68	0.06	A	D10	0.0	8.32	0.04	A
Stream A-BCD		0.0	6.80	0.05	A		0.1	7.01	0.09	A
Stream D-ABC		0.1	6.55	0.09	A		0.1	6.49	0.07	A
Stream C-ABD		0.0	6.84	0.02	A		0.0	7.43	0.04	A

There are warnings associated with one or more model runs - see the 'Data Errors and Warnings' tables for each Analysis or Demand Set.

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

### File summary

#### File Description

Title	
Location	
Site number	
Date	20/08/2025
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	AzureAD\Modellinglaptop
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

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	2025	AM	ONE HOUR	07:30	09:00	15
D2	2025	PM	ONE HOUR	16:15	17:45	15
D3	2030	AM	ONE HOUR	07:30	09:00	15
D4	2030	PM	ONE HOUR	16:15	17:45	15
D5	2030 + Committed	AM	ONE HOUR	07:30	09:00	15
D6	2030 + Committed	PM	ONE HOUR	16:15	17:45	15
D7	2030 + Committed + Development	AM	ONE HOUR	07:30	09:00	15
D8	2030 + Committed + Development	PM	ONE HOUR	16:15	17:45	15
D9	2030 + Committed + Development (Vision and Validate)	AM	ONE HOUR	07:30	09:00	15
D10	2030 + Committed + Development (Vision and Validate)	PM	ONE HOUR	16:15	17:45	15

### Analysis Set Details

ID	Network flow scaling factor (%)
A1	100.000

# 2025, AM

## Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way		0.95	A

### Junction Network Options

Driving side	Lighting
Left	Normal/unknown

## Arms

### Arms

Arm	Name	Description	Arm type
A	A629 Abbey Road South (E)		Major
B	The Knowle		Minor
C	A629 Abbey Road South (W)		Major
D	Yew Tree Road		Minor

### Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Width for right turn (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
A - A629 Abbey Road South (E)	6.53		✓	2.20	150.0	✓	5.72
C - A629 Abbey Road South (W)	6.53		✓	2.20	110.0	✓	2.30

*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 - The Knowle	One lane	4.01	45	26
D - Yew Tree Road	One lane	4.85	24	21

## 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	661	-	-	-	-	-	-	0.250	0.357	0.250	-	-	-
B-A	556	0.099	0.250	0.250	-	-	-	0.157	0.357	-	0.250	0.250	0.125
B-C	705	0.106	0.267	-	-	-	-	-	-	-	-	-	-
B-D, nearside lane	556	0.099	0.250	0.250	-	-	-	0.157	0.357	0.157	-	-	-
B-D, offside lane	556	0.099	0.250	0.250	-	-	-	0.157	0.357	0.157	-	-	-
C-B	638	0.241	0.241	0.345	-	-	-	-	-	-	-	-	-
D-A	755	-	-	-	-	-	-	0.286	-	0.113	-	-	-
D-B, nearside lane	587	0.166	0.166	0.377	-	-	-	0.264	0.264	0.104	-	-	-
D-B, offside lane	587	0.166	0.166	0.377	-	-	-	0.264	0.264	0.104	-	-	-
D-C	587	-	0.166	0.377	0.132	0.264	0.264	0.264	0.264	0.104	-	-	-

The slopes and intercepts shown above do NOT include any corrections or adjustments.

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	2025	AM	ONE HOUR	07:30	09:00	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - A629 Abbey Road South (E)		✓	438	100.000
B - The Knowle		✓	27	100.000
C - A629 Abbey Road South (W)		✓	444	100.000
D - Yew Tree Road		✓	58	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To			
		A - A629 Abbey Road South (E)	B - The Knowle	C - A629 Abbey Road South (W)	D - Yew Tree Road
From	A - A629 Abbey Road South (E)	0	6	403	29
	B - The Knowle	15	0	11	1
	C - A629 Abbey Road South (W)	433	7	0	4
	D - Yew Tree Road	52	1	5	0

## Vehicle Mix

### Heavy Vehicle Percentages

		To			
		A - A629 Abbey Road South (E)	B - The Knowle	C - A629 Abbey Road South (W)	D - Yew Tree Road
From	A - A629 Abbey Road South (E)	0	0	0	0
	B - The Knowle	0	0	0	0
	C - A629 Abbey Road South (W)	0	0	0	0
	D - Yew Tree Road	0	0	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-ACD	0.07	9.37	0.1	A
A-BCD	0.06	7.12	0.1	A
A-B				
A-C				
D-ABC	0.11	7.01	0.1	A
C-ABD	0.01	7.05	0.0	A
C-D				
C-A				

### Main Results for each time segment

#### 07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	20	478	0.043	20	0.0	7.868	A
A-BCD	22	577	0.038	22	0.0	6.485	A
A-B	5			5			
A-C	303			303			
D-ABC	44	628	0.070	43	0.1	6.154	A
C-ABD	5	556	0.009	5	0.0	6.538	A
C-D	3			3			
C-A	326			326			

#### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	24	451	0.054	24	0.1	8.431	A
A-BCD	26	560	0.047	26	0.0	6.737	A
A-B	5			5			
A-C	362			362			
D-ABC	52	607	0.086	52	0.1	6.486	A
C-ABD	6	540	0.012	6	0.0	6.745	A
C-D	4			4			
C-A	389			389			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	30	414	0.072	30	0.1	9.368	A
A-BCD	32	538	0.059	32	0.1	7.116	A
A-B	7			7			
A-C	444			444			
D-ABC	64	578	0.111	64	0.1	7.005	A
C-ABD	8	518	0.015	8	0.0	7.054	A
C-D	4			4			
C-A	477			477			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	30	414	0.072	30	0.1	9.372	A
A-BCD	32	538	0.059	32	0.1	7.116	A
A-B	7			7			
A-C	444			444			
D-ABC	64	577	0.111	64	0.1	7.007	A
C-ABD	8	518	0.015	8	0.0	7.055	A
C-D	4			4			
C-A	477			477			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	24	451	0.054	24	0.1	8.439	A
A-BCD	26	560	0.047	26	0.0	6.739	A
A-B	5			5			
A-C	362			362			
D-ABC	52	607	0.086	52	0.1	6.489	A
C-ABD	6	540	0.012	6	0.0	6.746	A
C-D	4			4			
C-A	389			389			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	20	478	0.043	20	0.0	7.875	A
A-BCD	22	577	0.038	22	0.0	6.491	A
A-B	5			5			
A-C	303			303			
D-ABC	44	628	0.070	44	0.1	6.161	A
C-ABD	5	556	0.009	5	0.0	6.541	A
C-D	3			3			
C-A	326			326			

# 2025, PM

## Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way		0.90	A

### Junction Network Options

Driving side	Lighting
Left	Normal/unknown

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D2	2025	PM	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - A629 Abbey Road South (E)		✓	569	100.000
B - The Knowle		✓	19	100.000
C - A629 Abbey Road South (W)		✓	403	100.000
D - Yew Tree Road		✓	42	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To			
		A - A629 Abbey Road South (E)	B - The Knowle	C - A629 Abbey Road South (W)	D - Yew Tree Road
From	A - A629 Abbey Road South (E)	0	11	505	53
	B - The Knowle	8	0	11	0
	C - A629 Abbey Road South (W)	382	12	0	9
	D - Yew Tree Road	39	0	3	0

## Vehicle Mix

### Heavy Vehicle Percentages

		To			
		A - A629 Abbey Road South (E)	B - The Knowle	C - A629 Abbey Road South (W)	D - Yew Tree Road
From	A - A629 Abbey Road South (E)	0	0	0	0
	B - The Knowle	0	0	0	0
	C - A629 Abbey Road South (W)	0	0	0	0
	D - Yew Tree Road	0	0	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-ACD	0.05	8.94	0.1	A
A-BCD	0.11	7.35	0.1	A
A-B				
A-C				
D-ABC	0.08	6.51	0.1	A
C-ABD	0.03	7.71	0.0	A
C-D				
C-A				

### Main Results for each time segment

#### 16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	14	493	0.029	14	0.0	7.516	A
A-BCD	40	584	0.068	40	0.1	6.610	A
A-B	8			8			
A-C	380			380			
D-ABC	32	645	0.049	31	0.1	5.862	A
C-ABD	9	530	0.017	9	0.0	6.907	A
C-D	7			7			
C-A	288			288			

#### 16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	17	464	0.037	17	0.0	8.050	A
A-BCD	48	569	0.084	48	0.1	6.903	A
A-B	10			10			
A-C	454			454			
D-ABC	38	626	0.060	38	0.1	6.115	A
C-ABD	11	509	0.021	11	0.0	7.221	A
C-D	8			8			
C-A	343			343			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	21	423	0.049	21	0.1	8.941	A
A-BCD	58	548	0.106	58	0.1	7.342	A
A-B	12			12			
A-C	556			556			
D-ABC	46	599	0.077	46	0.1	6.506	A
C-ABD	13	480	0.028	13	0.0	7.705	A
C-D	10			10			
C-A	421			421			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	21	423	0.049	21	0.1	8.944	A
A-BCD	58	548	0.106	58	0.1	7.345	A
A-B	12			12			
A-C	556			556			
D-ABC	46	599	0.077	46	0.1	6.507	A
C-ABD	13	480	0.028	13	0.0	7.706	A
C-D	10			10			
C-A	421			421			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	17	464	0.037	17	0.0	8.055	A
A-BCD	48	569	0.084	48	0.1	6.906	A
A-B	10			10			
A-C	454			454			
D-ABC	38	626	0.060	38	0.1	6.117	A
C-ABD	11	509	0.021	11	0.0	7.223	A
C-D	8			8			
C-A	343			343			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	14	493	0.029	14	0.0	7.522	A
A-BCD	40	584	0.068	40	0.1	6.618	A
A-B	8			8			
A-C	380			380			
D-ABC	32	645	0.049	32	0.1	5.867	A
C-ABD	9	530	0.017	9	0.0	6.909	A
C-D	7			7			
C-A	288			288			

# 2030, AM

## Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way		0.96	A

### Junction Network Options

Driving side	Lighting
Left	Normal/unknown

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D3	2030	AM	ONE HOUR	07:30	09:00	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - A629 Abbey Road South (E)		✓	457	100.000
B - The Knowle		✓	28	100.000
C - A629 Abbey Road South (W)		✓	464	100.000
D - Yew Tree Road		✓	60	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To			
		A - A629 Abbey Road South (E)	B - The Knowle	C - A629 Abbey Road South (W)	D - Yew Tree Road
From	A - A629 Abbey Road South (E)	0	6	421	30
	B - The Knowle	16	0	11	1
	C - A629 Abbey Road South (W)	453	7	0	4
	D - Yew Tree Road	54	1	5	0

## Vehicle Mix

### Heavy Vehicle Percentages

		To			
		A - A629 Abbey Road South (E)	B - The Knowle	C - A629 Abbey Road South (W)	D - Yew Tree Road
From	A - A629 Abbey Road South (E)	0	0	0	0
	B - The Knowle	0	0	0	0
	C - A629 Abbey Road South (W)	0	0	0	0
	D - Yew Tree Road	0	0	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-ACD	0.08	9.70	0.1	A
A-BCD	0.06	7.21	0.1	A
A-B				
A-C				
D-ABC	0.12	7.12	0.1	A
C-ABD	0.02	7.13	0.0	A
C-D				
C-A				

### Main Results for each time segment

#### 07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	21	469	0.045	21	0.0	8.030	A
A-BCD	23	573	0.039	22	0.0	6.538	A
A-B	5			5			
A-C	317			317			
D-ABC	45	624	0.072	45	0.1	6.211	A
C-ABD	5	552	0.010	5	0.0	6.580	A
C-D	3			3			
C-A	341			341			

#### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	25	441	0.057	25	0.1	8.654	A
A-BCD	27	556	0.049	27	0.1	6.806	A
A-B	5			5			
A-C	378			378			
D-ABC	54	602	0.090	54	0.1	6.564	A
C-ABD	6	536	0.012	6	0.0	6.799	A
C-D	4			4			
C-A	407			407			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	31	402	0.077	31	0.1	9.700	A
A-BCD	33	532	0.062	33	0.1	7.211	A
A-B	7			7			
A-C	464			464			
D-ABC	66	571	0.116	66	0.1	7.120	A
C-ABD	8	513	0.015	8	0.0	7.127	A
C-D	4			4			
C-A	499			499			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	31	402	0.077	31	0.1	9.705	A
A-BCD	33	532	0.062	33	0.1	7.211	A
A-B	7			7			
A-C	464			464			
D-ABC	66	571	0.116	66	0.1	7.123	A
C-ABD	8	513	0.015	8	0.0	7.127	A
C-D	4			4			
C-A	499			499			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	25	441	0.057	25	0.1	8.660	A
A-BCD	27	556	0.049	27	0.1	6.810	A
A-B	5			5			
A-C	378			378			
D-ABC	54	602	0.090	54	0.1	6.570	A
C-ABD	6	536	0.012	6	0.0	6.803	A
C-D	4			4			
C-A	407			407			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	21	469	0.045	21	0.0	8.043	A
A-BCD	23	573	0.039	23	0.0	6.544	A
A-B	5			5			
A-C	317			317			
D-ABC	45	624	0.072	45	0.1	6.220	A
C-ABD	5	552	0.010	5	0.0	6.581	A
C-D	3			3			
C-A	341			341			

# 2030, PM

## Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way		0.91	A

### Junction Network Options

Driving side	Lighting
Left	Normal/unknown

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D4	2030	PM	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - A629 Abbey Road South (E)		✓	594	100.000
B - The Knowle		✓	20	100.000
C - A629 Abbey Road South (W)		✓	420	100.000
D - Yew Tree Road		✓	44	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To			
		A - A629 Abbey Road South (E)	B - The Knowle	C - A629 Abbey Road South (W)	D - Yew Tree Road
From	A - A629 Abbey Road South (E)	0	11	528	55
	B - The Knowle	9	0	11	0
	C - A629 Abbey Road South (W)	399	12	0	9
	D - Yew Tree Road	41	0	3	0

## Vehicle Mix

### Heavy Vehicle Percentages

		To			
		A - A629 Abbey Road South (E)	B - The Knowle	C - A629 Abbey Road South (W)	D - Yew Tree Road
From	A - A629 Abbey Road South (E)	0	0	0	0
	B - The Knowle	0	0	0	0
	C - A629 Abbey Road South (W)	0	0	0	0
	D - Yew Tree Road	0	0	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-ACD	0.05	9.36	0.1	A
A-BCD	0.11	7.45	0.1	A
A-B				
A-C				
D-ABC	0.08	6.59	0.1	A
C-ABD	0.03	7.82	0.0	A
C-D				
C-A				

### Main Results for each time segment

#### 16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	15	480	0.031	15	0.0	7.733	A
A-BCD	41	581	0.071	41	0.1	6.668	A
A-B	8			8			
A-C	398			398			
D-ABC	33	642	0.052	33	0.1	5.906	A
C-ABD	9	525	0.017	9	0.0	6.970	A
C-D	7			7			
C-A	300			300			

#### 16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	18	450	0.040	18	0.0	8.335	A
A-BCD	49	565	0.087	49	0.1	6.979	A
A-B	10			10			
A-C	475			475			
D-ABC	40	622	0.064	40	0.1	6.174	A
C-ABD	11	504	0.021	11	0.0	7.303	A
C-D	8			8			
C-A	359			359			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	22	407	0.054	22	0.1	9.360	A
A-BCD	61	544	0.111	60	0.1	7.447	A
A-B	12			12			
A-C	581			581			
D-ABC	48	594	0.082	48	0.1	6.593	A
C-ABD	13	474	0.028	13	0.0	7.820	A
C-D	10			10			
C-A	439			439			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	22	406	0.054	22	0.1	9.363	A
A-BCD	61	544	0.111	61	0.1	7.450	A
A-B	12			12			
A-C	581			581			
D-ABC	48	594	0.082	48	0.1	6.593	A
C-ABD	13	473	0.028	13	0.0	7.821	A
C-D	10			10			
C-A	439			439			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	18	450	0.040	18	0.0	8.341	A
A-BCD	49	565	0.087	50	0.1	6.982	A
A-B	10			10			
A-C	475			475			
D-ABC	40	622	0.064	40	0.1	6.176	A
C-ABD	11	504	0.021	11	0.0	7.308	A
C-D	8			8			
C-A	359			359			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	15	480	0.031	15	0.0	7.741	A
A-BCD	41	581	0.071	41	0.1	6.676	A
A-B	8			8			
A-C	398			398			
D-ABC	33	642	0.052	33	0.1	5.912	A
C-ABD	9	525	0.017	9	0.0	6.975	A
C-D	7			7			
C-A	300			300			

# 2030 + Committed, AM

## Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way		0.95	A

### Junction Network Options

Driving side	Lighting
Left	Normal/unknown

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D5	2030 + Committed	AM	ONE HOUR	07:30	09:00	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - A629 Abbey Road South (E)		✓	469	100.000
B - The Knowle		✓	28	100.000
C - A629 Abbey Road South (W)		✓	469	100.000
D - Yew Tree Road		✓	60	100.000

## Origin-Destination Data

### Demand (PCU/hr)

From	To			
	A - A629 Abbey Road South (E)	B - The Knowle	C - A629 Abbey Road South (W)	D - Yew Tree Road
A - A629 Abbey Road South (E)	0	6	433	30
B - The Knowle	16	0	11	1
C - A629 Abbey Road South (W)	458	7	0	4
D - Yew Tree Road	54	1	5	0

## Vehicle Mix

### Heavy Vehicle Percentages

		To			
		A - A629 Abbey Road South (E)	B - The Knowle	C - A629 Abbey Road South (W)	D - Yew Tree Road
From	A - A629 Abbey Road South (E)	0	0	0	0
	B - The Knowle	0	0	0	0
	C - A629 Abbey Road South (W)	0	0	0	0
	D - Yew Tree Road	0	0	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-ACD	0.08	9.82	0.1	A
A-BCD	0.06	7.23	0.1	A
A-B				
A-C				
D-ABC	0.12	7.15	0.1	A
C-ABD	0.02	7.17	0.0	A
C-D				
C-A				

### Main Results for each time segment

#### 07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	21	466	0.045	21	0.0	8.082	A
A-BCD	23	572	0.039	22	0.0	6.549	A
A-B	5			5			
A-C	326			326			
D-ABC	45	623	0.073	45	0.1	6.226	A
C-ABD	5	550	0.010	5	0.0	6.606	A
C-D	3			3			
C-A	345			345			

#### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	25	438	0.058	25	0.1	8.726	A
A-BCD	27	555	0.049	27	0.1	6.821	A
A-B	5			5			
A-C	389			389			
D-ABC	54	601	0.090	54	0.1	6.584	A
C-ABD	6	533	0.012	6	0.0	6.833	A
C-D	4			4			
C-A	412			412			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	31	397	0.078	31	0.1	9.814	A
A-BCD	33	531	0.062	33	0.1	7.231	A
A-B	7			7			
A-C	477			477			
D-ABC	66	569	0.116	66	0.1	7.150	A
C-ABD	8	510	0.015	8	0.0	7.172	A
C-D	4			4			
C-A	504			504			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	31	397	0.078	31	0.1	9.819	A
A-BCD	33	531	0.062	33	0.1	7.231	A
A-B	7			7			
A-C	477			477			
D-ABC	66	569	0.116	66	0.1	7.153	A
C-ABD	8	510	0.015	8	0.0	7.172	A
C-D	4			4			
C-A	504			504			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	25	438	0.058	25	0.1	8.735	A
A-BCD	27	555	0.049	27	0.1	6.822	A
A-B	5			5			
A-C	389			389			
D-ABC	54	601	0.090	54	0.1	6.587	A
C-ABD	6	533	0.012	6	0.0	6.833	A
C-D	4			4			
C-A	412			412			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	21	466	0.045	21	0.0	8.093	A
A-BCD	23	572	0.039	23	0.0	6.556	A
A-B	5			5			
A-C	326			326			
D-ABC	45	623	0.073	45	0.1	6.233	A
C-ABD	5	550	0.010	5	0.0	6.607	A
C-D	3			3			
C-A	345			345			

# 2030 + Committed, PM

## Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way		0.90	A

### Junction Network Options

Driving side	Lighting
Left	Normal/unknown

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D6	2030 + Committed	PM	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - A629 Abbey Road South (E)		✓	602	100.000
B - The Knowle		✓	20	100.000
C - A629 Abbey Road South (W)		✓	431	100.000
D - Yew Tree Road		✓	44	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To			
		A - A629 Abbey Road South (E)	B - The Knowle	C - A629 Abbey Road South (W)	D - Yew Tree Road
From	A - A629 Abbey Road South (E)	0	11	536	55
	B - The Knowle	9	0	11	0
	C - A629 Abbey Road South (W)	410	12	0	9
	D - Yew Tree Road	41	0	3	0

## Vehicle Mix

### Heavy Vehicle Percentages

		To			
		A - A629 Abbey Road South (E)	B - The Knowle	C - A629 Abbey Road South (W)	D - Yew Tree Road
From	A - A629 Abbey Road South (E)	0	0	0	0
	B - The Knowle	0	0	0	0
	C - A629 Abbey Road South (W)	0	0	0	0
	D - Yew Tree Road	0	0	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-ACD	0.05	9.46	0.1	A
A-BCD	0.11	7.50	0.1	A
A-B				
A-C				
D-ABC	0.08	6.64	0.1	A
C-ABD	0.03	7.86	0.0	A
C-D				
C-A				

### Main Results for each time segment

#### 16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	15	478	0.032	15	0.0	7.775	A
A-BCD	41	579	0.072	41	0.1	6.694	A
A-B	8			8			
A-C	404			404			
D-ABC	33	640	0.052	33	0.1	5.930	A
C-ABD	9	524	0.017	9	0.0	6.989	A
C-D	7			7			
C-A	309			309			

#### 16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	18	447	0.040	18	0.0	8.395	A
A-BCD	49	563	0.088	49	0.1	7.012	A
A-B	10			10			
A-C	482			482			
D-ABC	40	619	0.064	40	0.1	6.207	A
C-ABD	11	502	0.022	11	0.0	7.329	A
C-D	8			8			
C-A	369			369			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	22	403	0.055	22	0.1	9.457	A
A-BCD	61	541	0.112	60	0.1	7.494	A
A-B	12			12			
A-C	590			590			
D-ABC	48	591	0.082	48	0.1	6.640	A
C-ABD	13	471	0.028	13	0.0	7.856	A
C-D	10			10			
C-A	451			451			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	22	403	0.055	22	0.1	9.460	A
A-BCD	61	541	0.112	61	0.1	7.497	A
A-B	12			12			
A-C	590			590			
D-ABC	48	591	0.082	48	0.1	6.640	A
C-ABD	13	471	0.028	13	0.0	7.857	A
C-D	10			10			
C-A	451			451			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	18	447	0.040	18	0.0	8.399	A
A-BCD	49	563	0.088	50	0.1	7.016	A
A-B	10			10			
A-C	482			482			
D-ABC	40	619	0.064	40	0.1	6.211	A
C-ABD	11	502	0.022	11	0.0	7.334	A
C-D	8			8			
C-A	369			369			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	15	478	0.032	15	0.0	7.783	A
A-BCD	41	579	0.072	41	0.1	6.701	A
A-B	8			8			
A-C	404			404			
D-ABC	33	640	0.052	33	0.1	5.937	A
C-ABD	9	524	0.017	9	0.0	6.994	A
C-D	7			7			
C-A	309			309			

# 2030 + Committed + Development, AM

## Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way		0.98	A

### Junction Network Options

Driving side	Lighting
Left	Normal/unknown

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D7	2030 + Committed + Development	AM	ONE HOUR	07:30	09:00	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - A629 Abbey Road South (E)		✓	472	100.000
B - The Knowle		✓	28	100.000
C - A629 Abbey Road South (W)		✓	472	100.000
D - Yew Tree Road		✓	61	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To			
		A - A629 Abbey Road South (E)	B - The Knowle	C - A629 Abbey Road South (W)	D - Yew Tree Road
From	A - A629 Abbey Road South (E)	0	9	433	30
	B - The Knowle	16	0	11	1
	C - A629 Abbey Road South (W)	458	10	0	4
	D - Yew Tree Road	54	2	5	0

## Vehicle Mix

### Heavy Vehicle Percentages

		To			
		A - A629 Abbey Road South (E)	B - The Knowle	C - A629 Abbey Road South (W)	D - Yew Tree Road
From	A - A629 Abbey Road South (E)	0	0	0	0
	B - The Knowle	0	0	0	0
	C - A629 Abbey Road South (W)	0	0	0	0
	D - Yew Tree Road	0	0	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-ACD	0.08	9.86	0.1	A
A-BCD	0.06	7.25	0.1	A
A-B				
A-C				
D-ABC	0.12	7.25	0.1	A
C-ABD	0.02	7.23	0.0	A
C-D				
C-A				

### Main Results for each time segment

#### 07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	21	465	0.045	21	0.0	8.101	A
A-BCD	23	571	0.040	22	0.0	6.559	A
A-B	7			7			
A-C	326			326			
D-ABC	46	618	0.074	46	0.1	6.285	A
C-ABD	8	550	0.014	7	0.0	6.640	A
C-D	3			3			
C-A	345			345			

#### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	25	436	0.058	25	0.1	8.753	A
A-BCD	27	554	0.049	27	0.1	6.833	A
A-B	8			8			
A-C	389			389			
D-ABC	55	595	0.092	55	0.1	6.657	A
C-ABD	9	532	0.017	9	0.0	6.876	A
C-D	4			4			
C-A	412			412			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	31	396	0.078	31	0.1	9.857	A
A-BCD	33	530	0.062	33	0.1	7.248	A
A-B	10			10			
A-C	477			477			
D-ABC	67	564	0.119	67	0.1	7.249	A
C-ABD	11	509	0.022	11	0.0	7.230	A
C-D	4			4			
C-A	504			504			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	31	396	0.078	31	0.1	9.862	A
A-BCD	33	530	0.062	33	0.1	7.248	A
A-B	10			10			
A-C	477			477			
D-ABC	67	563	0.119	67	0.1	7.252	A
C-ABD	11	509	0.022	11	0.0	7.231	A
C-D	4			4			
C-A	504			504			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	25	436	0.058	25	0.1	8.762	A
A-BCD	27	554	0.049	27	0.1	6.835	A
A-B	8			8			
A-C	389			389			
D-ABC	55	595	0.092	55	0.1	6.661	A
C-ABD	9	532	0.017	9	0.0	6.877	A
C-D	4			4			
C-A	412			412			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	21	465	0.045	21	0.0	8.114	A
A-BCD	23	571	0.040	23	0.0	6.565	A
A-B	7			7			
A-C	326			326			
D-ABC	46	618	0.074	46	0.1	6.292	A
C-ABD	8	550	0.014	8	0.0	6.641	A
C-D	3			3			
C-A	345			345			

# 2030 + Committed + Development, PM

## Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way		0.98	A

### Junction Network Options

Driving side	Lighting
Left	Normal/unknown

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D8	2030 + Committed + Development	PM	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - A629 Abbey Road South (E)		✓	611	100.000
B - The Knowle		✓	20	100.000
C - A629 Abbey Road South (W)		✓	440	100.000
D - Yew Tree Road		✓	46	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To			
		A - A629 Abbey Road South (E)	B - The Knowle	C - A629 Abbey Road South (W)	D - Yew Tree Road
From	A - A629 Abbey Road South (E)	0	20	536	55
	B - The Knowle	9	0	11	0
	C - A629 Abbey Road South (W)	410	21	0	9
	D - Yew Tree Road	41	2	3	0

## Vehicle Mix

### Heavy Vehicle Percentages

		To			
		A - A629 Abbey Road South (E)	B - The Knowle	C - A629 Abbey Road South (W)	D - Yew Tree Road
From	A - A629 Abbey Road South (E)	0	0	0	0
	B - The Knowle	0	0	0	0
	C - A629 Abbey Road South (W)	0	0	0	0
	D - Yew Tree Road	0	0	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-ACD	0.06	9.57	0.1	A
A-BCD	0.11	7.55	0.1	A
A-B				
A-C				
D-ABC	0.09	6.91	0.1	A
C-ABD	0.05	8.07	0.1	A
C-D				
C-A				

### Main Results for each time segment

#### 16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	15	475	0.032	15	0.0	7.820	A
A-BCD	41	576	0.072	41	0.1	6.724	A
A-B	15			15			
A-C	404			404			
D-ABC	35	625	0.055	34	0.1	6.092	A
C-ABD	16	522	0.030	16	0.0	7.101	A
C-D	7			7			
C-A	309			309			

#### 16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	18	443	0.041	18	0.0	8.461	A
A-BCD	49	560	0.088	49	0.1	7.052	A
A-B	18			18			
A-C	482			482			
D-ABC	41	603	0.069	41	0.1	6.411	A
C-ABD	19	500	0.038	19	0.0	7.480	A
C-D	8			8			
C-A	369			369			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	22	398	0.055	22	0.1	9.566	A
A-BCD	61	537	0.113	60	0.1	7.550	A
A-B	22			22			
A-C	590			590			
D-ABC	51	571	0.089	51	0.1	6.914	A
C-ABD	23	469	0.049	23	0.1	8.066	A
C-D	10			10			
C-A	451			451			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	22	398	0.055	22	0.1	9.569	A
A-BCD	61	537	0.113	61	0.1	7.553	A
A-B	22			22			
A-C	590			590			
D-ABC	51	571	0.089	51	0.1	6.914	A
C-ABD	23	469	0.049	23	0.1	8.068	A
C-D	10			10			
C-A	451			451			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	18	443	0.041	18	0.0	8.465	A
A-BCD	49	560	0.088	50	0.1	7.059	A
A-B	18			18			
A-C	482			482			
D-ABC	41	603	0.069	41	0.1	6.416	A
C-ABD	19	500	0.038	19	0.0	7.486	A
C-D	8			8			
C-A	369			369			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	15	475	0.032	15	0.0	7.829	A
A-BCD	41	576	0.072	41	0.1	6.732	A
A-B	15			15			
A-C	404			404			
D-ABC	35	625	0.055	35	0.1	6.100	A
C-ABD	16	522	0.030	16	0.0	7.107	A
C-D	7			7			
C-A	309			309			

# 2030 + Committed + Development (Vision and Validate), AM

## Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way		0.89	A

### Junction Network Options

Driving side	Lighting
Left	Normal/unknown

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D9	2030 + Committed + Development (Vision and Validate)	AM	ONE HOUR	07:30	09:00	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - A629 Abbey Road South (E)		✓	377	100.000
B - The Knowle		✓	23	100.000
C - A629 Abbey Road South (W)		✓	377	100.000
D - Yew Tree Road		✓	48	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To			
		A - A629 Abbey Road South (E)	B - The Knowle	C - A629 Abbey Road South (W)	D - Yew Tree Road
From	A - A629 Abbey Road South (E)	0	7	346	24
	B - The Knowle	13	0	9	1
	C - A629 Abbey Road South (W)	366	8	0	3
	D - Yew Tree Road	43	1	4	0

## Vehicle Mix

### Heavy Vehicle Percentages

		To			
		A - A629 Abbey Road South (E)	B - The Knowle	C - A629 Abbey Road South (W)	D - Yew Tree Road
From	A - A629 Abbey Road South (E)	0	0	0	0
	B - The Knowle	0	0	0	0
	C - A629 Abbey Road South (W)	0	0	0	0
	D - Yew Tree Road	0	0	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-ACD	0.06	8.68	0.1	A
A-BCD	0.05	6.80	0.0	A
A-B				
A-C				
D-ABC	0.09	6.55	0.1	A
C-ABD	0.02	6.84	0.0	A
C-D				
C-A				

### Main Results for each time segment

#### 07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	17	494	0.035	17	0.0	7.545	A
A-BCD	18	589	0.031	18	0.0	6.300	A
A-B	5			5			
A-C	260			260			
D-ABC	36	644	0.056	36	0.1	5.917	A
C-ABD	6	567	0.011	6	0.0	6.413	A
C-D	2			2			
C-A	276			276			

#### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	21	472	0.044	21	0.0	7.982	A
A-BCD	22	575	0.038	22	0.0	6.501	A
A-B	6			6			
A-C	311			311			
D-ABC	43	627	0.069	43	0.1	6.169	A
C-ABD	7	554	0.013	7	0.0	6.587	A
C-D	3			3			
C-A	329			329			

**08:00 - 08:15**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	25	440	0.058	25	0.1	8.676	A
A-BCD	26	556	0.048	26	0.0	6.796	A
A-B	8			8			
A-C	381			381			
D-ABC	53	602	0.088	53	0.1	6.555	A
C-ABD	9	535	0.016	9	0.0	6.844	A
C-D	3			3			
C-A	403			403			

**08:15 - 08:30**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	25	440	0.058	25	0.1	8.679	A
A-BCD	26	556	0.048	26	0.0	6.796	A
A-B	8			8			
A-C	381			381			
D-ABC	53	602	0.088	53	0.1	6.555	A
C-ABD	9	535	0.016	9	0.0	6.844	A
C-D	3			3			
C-A	403			403			

**08:30 - 08:45**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	21	472	0.044	21	0.0	7.985	A
A-BCD	22	575	0.038	22	0.0	6.504	A
A-B	6			6			
A-C	311			311			
D-ABC	43	627	0.069	43	0.1	6.171	A
C-ABD	7	554	0.013	7	0.0	6.588	A
C-D	3			3			
C-A	329			329			

**08:45 - 09:00**

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	17	494	0.035	17	0.0	7.554	A
A-BCD	18	589	0.031	18	0.0	6.303	A
A-B	5			5			
A-C	260			260			
D-ABC	36	644	0.056	36	0.1	5.922	A
C-ABD	6	567	0.011	6	0.0	6.416	A
C-D	2			2			
C-A	276			276			

# 2030 + Committed + Development (Vision and Validate), PM

## Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs. If HV% at the junction is genuinely zero, please ignore this warning.

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	Crossroads	Two-way		0.91	A

### Junction Network Options

Driving side	Lighting
Left	Normal/unknown

## Traffic Demand

### Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D10	2030 + Committed + Development (Vision and Validate)	PM	ONE HOUR	16:15	17:45	15

Vehicle mix source	PCU Factor for a HV (PCU)
HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - A629 Abbey Road South (E)		✓	488	100.000
B - The Knowle		✓	16	100.000
C - A629 Abbey Road South (W)		✓	353	100.000
D - Yew Tree Road		✓	38	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To			
		A - A629 Abbey Road South (E)	B - The Knowle	C - A629 Abbey Road South (W)	D - Yew Tree Road
From	A - A629 Abbey Road South (E)	0	16	428	44
	B - The Knowle	7	0	9	0
	C - A629 Abbey Road South (W)	328	17	0	8
	D - Yew Tree Road	33	2	3	0

## Vehicle Mix

### Heavy Vehicle Percentages

		To			
		A - A629 Abbey Road South (E)	B - The Knowle	C - A629 Abbey Road South (W)	D - Yew Tree Road
From	A - A629 Abbey Road South (E)	0	0	0	0
	B - The Knowle	0	0	0	0
	C - A629 Abbey Road South (W)	0	0	0	0
	D - Yew Tree Road	0	0	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS
B-ACD	0.04	8.32	0.0	A
A-BCD	0.09	7.01	0.1	A
A-B				
A-C				
D-ABC	0.07	6.49	0.1	A
C-ABD	0.04	7.43	0.0	A
C-D				
C-A				

### Main Results for each time segment

#### 16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	12	510	0.024	12	0.0	7.234	A
A-BCD	33	593	0.056	33	0.1	6.424	A
A-B	12			12			
A-C	322			322			
D-ABC	29	640	0.045	28	0.0	5.887	A
C-ABD	13	546	0.023	13	0.0	6.755	A
C-D	6			6			
C-A	247			247			

#### 16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	14	485	0.030	14	0.0	7.649	A
A-BCD	40	580	0.068	39	0.1	6.663	A
A-B	14			14			
A-C	385			385			
D-ABC	34	622	0.055	34	0.1	6.123	A
C-ABD	15	528	0.029	15	0.0	7.024	A
C-D	7			7			
C-A	295			295			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	18	450	0.039	18	0.0	8.321	A
A-BCD	48	562	0.086	48	0.1	7.015	A
A-B	18			18			
A-C	471			471			
D-ABC	42	597	0.070	42	0.1	6.486	A
C-ABD	19	503	0.037	19	0.0	7.431	A
C-D	9			9			
C-A	361			361			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	18	450	0.039	18	0.0	8.322	A
A-BCD	48	562	0.086	48	0.1	7.015	A
A-B	18			18			
A-C	471			471			
D-ABC	42	597	0.070	42	0.1	6.486	A
C-ABD	19	503	0.037	19	0.0	7.432	A
C-D	9			9			
C-A	361			361			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	14	485	0.030	14	0.0	7.651	A
A-BCD	40	580	0.068	40	0.1	6.665	A
A-B	14			14			
A-C	385			385			
D-ABC	34	622	0.055	34	0.1	6.127	A
C-ABD	15	528	0.029	15	0.0	7.029	A
C-D	7			7			
C-A	295			295			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-ACD	12	509	0.024	12	0.0	7.236	A
A-BCD	33	593	0.056	33	0.1	6.433	A
A-B	12			12			
A-C	322			322			
D-ABC	29	640	0.045	29	0.0	5.890	A
C-ABD	13	546	0.023	13	0.0	6.757	A
C-D	6			6			
C-A	247			247			