

## Appendix V – Junction 14: Site Access 1

Junctions 9
PICADY 9 - Priority Intersection Module
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**Report generation date:** 28/11/2019 14:36:42

- »2024 DS(A), AM
- »2024 DS(A), PM
- »2024 DS(A+B), AM
- »2024 DS(A+B), PM
- »2030 DS(A), AM
- »2030 DS(A), PM
- »2030 DS(A+B), AM
- »2030 DS(A+B), PM

**Summary of junction performance**

	AM					PM				
	Queue (PCU)	Delay (s)	RFC	LOS	Network Residual Capacity	Queue (PCU)	Delay (s)	RFC	LOS	Network Residual Capacity
<b>2024 DS(A)</b>										
Stream B-C	0.1	7.71	0.10	A	154 % [Stream B-A]	0.1	6.93	0.05	A	210 % [Stream B-A]
Stream B-A	0.0	10.51	0.01	B		0.0	9.74	0.01	A	
Stream C-AB	0.0	6.49	0.03	A		0.1	6.48	0.07	A	
<b>2024 DS(A+B)</b>										
Stream B-C	0.1	7.72	0.10	A	152 % [Stream B-A]	0.1	6.93	0.05	A	209 % [Stream B-A]
Stream B-A	0.0	10.54	0.01	B		0.0	9.76	0.01	A	
Stream C-AB	0.0	6.51	0.03	A		0.1	6.48	0.07	A	
<b>2030 DS(A)</b>										
Stream B-C	0.3	8.87	0.19	A	100 % [Stream B-A]	0.1	7.28	0.09	A	164 % [Stream B-A]
Stream B-A	0.0	11.81	0.03	B		0.0	10.35	0.01	B	
Stream C-AB	0.1	6.88	0.05	A		0.1	6.91	0.12	A	
<b>2030 DS(A+B)</b>										
Stream B-C	0.3	8.93	0.19	A	93 % [Stream B-A]	0.1	7.41	0.09	A	142 % [Stream B-A]
Stream B-A	0.0	12.11	0.03	B		0.0	10.78	0.01	B	
Stream C-AB	0.1	6.92	0.05	A		0.2	7.05	0.12	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. Network Residual Capacity indicates the amount by which network flow could be increased before a user-definable threshold (see Analysis Options) is met.

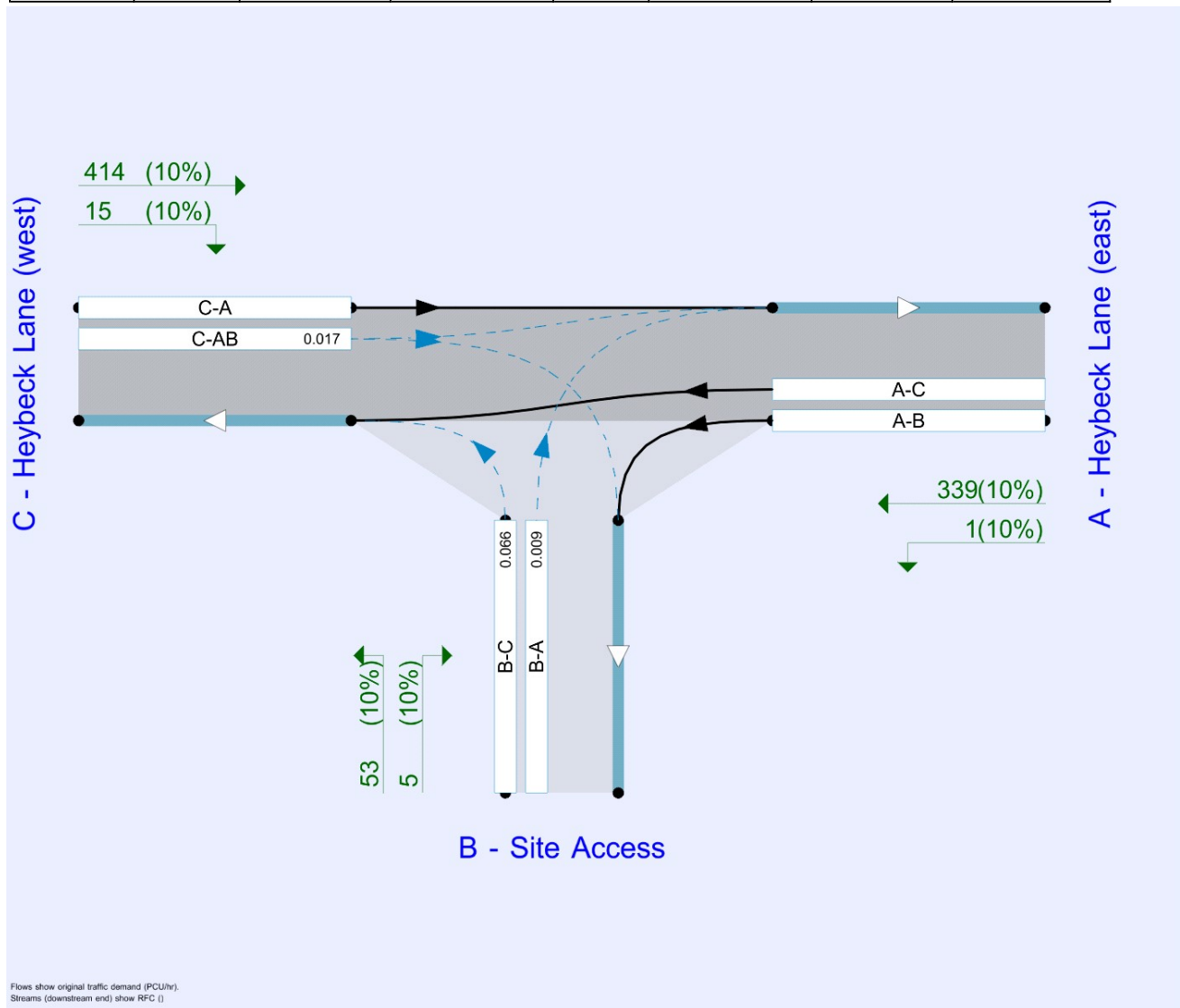
**File summary**

**File Description**

<b>Title</b>	Heybeck Lane / Site Access Junction
<b>Location</b>	Chidswell, Dewsbury
<b>Site number</b>	
<b>Date</b>	11/12/2019
<b>Version</b>	
<b>Status</b>	Completed
<b>Identifier</b>	
<b>Client</b>	Church Commissioners
<b>Jobnumber</b>	A133-98
<b>Enumerator</b>	
<b>Description</b>	

**Units**

Distance units	Speed units	Traffic units input	Traffic units results	Flow units	Average delay units	Total delay units	Rate of delay units
m	kph	PCU	PCU	perHour	s	-Min	perMin



### Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Calculate residual capacity	Residual capacity criteria type	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
5.75			✓	Delay	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
D5	2024 DS(A)	AM	ONE HOUR	07:15	08:45	15	✓
D6	2024 DS(A)	PM	ONE HOUR	16:15	17:45	15	✓
D7	2024 DS(A+B)	AM	ONE HOUR	07:15	08:45	15	✓
D8	2024 DS(A+B)	PM	ONE HOUR	16:15	17:45	15	✓
D9	2030 DS(A)	AM	ONE HOUR	07:15	08:45	15	✓
D10	2030 DS(A)	PM	ONE HOUR	16:15	17:45	15	✓
D11	2030 DS(A+B)	AM	ONE HOUR	07:15	08:45	15	✓
D12	2030 DS(A+B)	PM	ONE HOUR	16:15	17:45	15	✓

### Analysis Set Details

ID	Include in report	Network flow scaling factor (%)	Network capacity scaling factor (%)
A1	✓	100.000	100.000

# 2024 DS(A), AM

## Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm flare	B - Site Access - Minor arm geometry	Is flare very short? Estimated flare length is zero but has been increased to 1 because a zero flare length is not allowed.

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		0.68	A

### Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	154	Stream B-A

## Arms

### Arms

Arm	Name	Description	Arm type
A	Heybeck Lane (east)		Major
B	Site Access		Minor
C	Heybeck Lane (west)		Major

### 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)
C - Heybeck Lane (west)	6.95		✓	2.50	223.0	✓	7.00

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	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 - Site Access	One lane plus flare	8.93	3.72	2.75	2.75	2.75	✓	1.00	30	26

### Slope / Intercept / Capacity

#### Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
1	B-A	547	0.095	0.241	0.152	0.345
1	B-C	666	0.098	0.247	-	-
1	C-B	726	0.270	0.270	-	-

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)	Run automatically
D5	2024 DS(A)	AM	ONE HOUR	07:15	08:45	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - Heybeck Lane (east)		ONE HOUR	✓	336	100.000
B - Site Access		ONE HOUR	✓	58	100.000
C - Heybeck Lane (west)		ONE HOUR	✓	429	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A - Heybeck Lane (east)	B - Site Access	C - Heybeck Lane (west)
From	A - Heybeck Lane (east)	0	1	335
	B - Site Access	5	0	53
	C - Heybeck Lane (west)	414	15	0

## Vehicle Mix

### Heavy Vehicle Percentages

		To		
		A - Heybeck Lane (east)	B - Site Access	C - Heybeck Lane (west)
From	A - Heybeck Lane (east)	0	10	10
	B - Site Access	10	0	10
	C - Heybeck Lane (west)	10	10	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.10	7.71	0.1	A	49	73
B-A	0.01	10.51	0.0	B	5	7
C-AB	0.03	6.49	0.0	A	14	21
C-A					380	570
A-B					0.92	1
A-C					307	461

### Main Results for each time segment

#### 07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	40	10	602	0.066	40	0.0	0.1	7.040	A
B-A	4	0.94	434	0.009	4	0.0	0.0	9.197	A
C-AB	11	3	658	0.017	11	0.0	0.0	6.124	A
C-A	312	78			312				
A-B	0.75	0.19			0.75				
A-C	252	63			252				

#### 07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	48	12	589	0.081	48	0.1	0.1	7.308	A
B-A	4	1	412	0.011	4	0.0	0.0	9.707	A
C-AB	13	3	645	0.021	13	0.0	0.0	6.273	A
C-A	372	93			372				
A-B	0.90	0.22			0.90				
A-C	301	75			301				

#### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	58	15	572	0.102	58	0.1	0.1	7.703	A
B-A	6	1	382	0.014	5	0.0	0.0	10.514	B
C-AB	17	4	626	0.026	16	0.0	0.0	6.493	A
C-A	456	114			456				
A-B	1	0.28			1				
A-C	369	92			369				

#### 08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	58	15	572	0.102	58	0.1	0.1	7.707	A
B-A	6	1	382	0.014	6	0.0	0.0	10.514	B
C-AB	17	4	626	0.026	17	0.0	0.0	6.493	A
C-A	456	114			456				
A-B	1	0.28			1				
A-C	369	92			369				

#### 08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	48	12	589	0.081	48	0.1	0.1	7.311	A
B-A	4	1	412	0.011	5	0.0	0.0	9.710	A
C-AB	13	3	645	0.021	14	0.0	0.0	6.276	A
C-A	372	93			372				
A-B	0.90	0.22			0.90				
A-C	301	75			301				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	40	10	602	0.066	40	0.1	0.1	7.048	A
B-A	4	0.94	434	0.009	4	0.0	0.0	9.200	A
C-AB	11	3	658	0.017	11	0.0	0.0	6.126	A
C-A	312	78			312				
A-B	0.75	0.19			0.75				
A-C	252	63			252				

# 2024 DS(A), PM

## Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm flare	B - Site Access - Minor arm geometry	Is flare very short? Estimated flare length is zero but has been increased to 1 because a zero flare length is not allowed.

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		0.67	A

### Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	210	Stream B-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
D6	2024 DS(A)	PM	ONE HOUR	16:15	17:45	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - Heybeck Lane (east)		ONE HOUR	✓	243	100.000
B - Site Access		ONE HOUR	✓	27	100.000
C - Heybeck Lane (west)		ONE HOUR	✓	393	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A - Heybeck Lane (east)	B - Site Access	C - Heybeck Lane (west)
From	A - Heybeck Lane (east)	0	4	239
	B - Site Access	2	0	25
	C - Heybeck Lane (west)	354	39	0

## Vehicle Mix

### Heavy Vehicle Percentages

		To		
		A - Heybeck Lane (east)	B - Site Access	C - Heybeck Lane (west)
From	A - Heybeck Lane (east)	0	10	10
	B - Site Access	10	0	10
	C - Heybeck Lane (west)	10	10	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.05	6.93	0.1	A	23	34
B-A	0.01	9.74	0.0	A	2	3
C-AB	0.07	6.48	0.1	A	36	54
C-A					325	487
A-B					4	6
A-C					219	329

### Main Results for each time segment

#### 16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	19	5	620	0.030	19	0.0	0.0	6.580	A
B-A	2	0.38	452	0.003	1	0.0	0.0	8.784	A
C-AB	29	7	677	0.043	29	0.0	0.0	6.114	A
C-A	267	67			267				
A-B	3	0.75			3				
A-C	180	45			180				

#### 16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	22	6	611	0.037	22	0.0	0.0	6.722	A
B-A	2	0.45	434	0.004	2	0.0	0.0	9.163	A
C-AB	35	9	667	0.053	35	0.0	0.1	6.264	A
C-A	318	80			318				
A-B	4	0.90			4				
A-C	215	54			215				

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	28	7	599	0.046	27	0.0	0.1	6.925	A
B-A	2	0.55	409	0.005	2	0.0	0.0	9.744	A
C-AB	43	11	654	0.066	43	0.1	0.1	6.480	A
C-A	390	97			390				
A-B	4	1			4				
A-C	263	66			263				

#### 17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	28	7	599	0.046	28	0.1	0.1	6.925	A
B-A	2	0.55	409	0.005	2	0.0	0.0	9.744	A
C-AB	43	11	654	0.066	43	0.1	0.1	6.480	A
C-A	390	97			390				
A-B	4	1			4				
A-C	263	66			263				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	22	6	611	0.037	23	0.1	0.0	6.726	A
B-A	2	0.45	434	0.004	2	0.0	0.0	9.164	A
C-AB	35	9	667	0.053	35	0.1	0.1	6.265	A
C-A	318	80			318				
A-B	4	0.90			4				
A-C	215	54			215				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	19	5	620	0.030	19	0.0	0.0	6.586	A
B-A	2	0.38	452	0.003	2	0.0	0.0	8.787	A
C-AB	29	7	677	0.043	29	0.1	0.1	6.119	A
C-A	267	67			267				
A-B	3	0.75			3				
A-C	180	45			180				

# 2024 DS(A+B), AM

## Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm flare	B - Site Access - Minor arm geometry	Is flare very short? Estimated flare length is zero but has been increased to 1 because a zero flare length is not allowed.

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		0.68	A

### Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	152	Stream B-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
D7	2024 DS(A+B)	AM	ONE HOUR	07:15	08:45	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - Heybeck Lane (east)		ONE HOUR	✓	340	100.000
B - Site Access		ONE HOUR	✓	58	100.000
C - Heybeck Lane (west)		ONE HOUR	✓	429	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A - Heybeck Lane (east)	B - Site Access	C - Heybeck Lane (west)
From	A - Heybeck Lane (east)	0	1	339
	B - Site Access	5	0	53
	C - Heybeck Lane (west)	414	15	0

## Vehicle Mix

### Heavy Vehicle Percentages

		To		
		A - Heybeck Lane (east)	B - Site Access	C - Heybeck Lane (west)
From	A - Heybeck Lane (east)	0	10	10
	B - Site Access	10	0	10
	C - Heybeck Lane (west)	10	10	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.10	7.72	0.1	A	49	73
B-A	0.01	10.54	0.0	B	5	7
C-AB	0.03	6.51	0.0	A	14	21
C-A					380	570
A-B					0.92	1
A-C					311	467

### Main Results for each time segment

#### 07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	40	10	601	0.066	40	0.0	0.1	7.050	A
B-A	4	0.94	434	0.009	4	0.0	0.0	9.212	A
C-AB	11	3	657	0.017	11	0.0	0.0	6.131	A
C-A	312	78			312				
A-B	0.75	0.19			0.75				
A-C	255	64			255				

#### 07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	48	12	588	0.081	48	0.1	0.1	7.320	A
B-A	4	1	412	0.011	4	0.0	0.0	9.728	A
C-AB	13	3	644	0.021	13	0.0	0.0	6.283	A
C-A	372	93			372				
A-B	0.90	0.22			0.90				
A-C	305	76			305				

#### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	58	15	571	0.102	58	0.1	0.1	7.720	A
B-A	6	1	381	0.014	5	0.0	0.0	10.544	B
C-AB	17	4	625	0.026	16	0.0	0.0	6.506	A
C-A	456	114			456				
A-B	1	0.28			1				
A-C	373	93			373				

#### 08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	58	15	571	0.102	58	0.1	0.1	7.723	A
B-A	6	1	381	0.014	6	0.0	0.0	10.544	B
C-AB	17	4	625	0.026	17	0.0	0.0	6.506	A
C-A	456	114			456				
A-B	1	0.28			1				
A-C	373	93			373				

**08:15 - 08:30**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	48	12	588	0.081	48	0.1	0.1	7.326	A
B-A	4	1	412	0.011	5	0.0	0.0	9.731	A
C-AB	13	3	644	0.021	14	0.0	0.0	6.284	A
C-A	372	93			372				
A-B	0.90	0.22			0.90				
A-C	305	76			305				

**08:30 - 08:45**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	40	10	601	0.066	40	0.1	0.1	7.060	A
B-A	4	0.94	434	0.009	4	0.0	0.0	9.214	A
C-AB	11	3	657	0.017	11	0.0	0.0	6.132	A
C-A	312	78			312				
A-B	0.75	0.19			0.75				
A-C	255	64			255				

# 2024 DS(A+B), PM

## Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm flare	B - Site Access - Minor arm geometry	Is flare very short? Estimated flare length is zero but has been increased to 1 because a zero flare length is not allowed.

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		0.67	A

### Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	209	Stream B-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
D8	2024 DS(A+B)	PM	ONE HOUR	16:15	17:45	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - Heybeck Lane (east)		ONE HOUR	✓	244	100.000
B - Site Access		ONE HOUR	✓	27	100.000
C - Heybeck Lane (west)		ONE HOUR	✓	396	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A - Heybeck Lane (east)	B - Site Access	C - Heybeck Lane (west)
From	A - Heybeck Lane (east)	0	4	240
	B - Site Access	2	0	25
	C - Heybeck Lane (west)	357	39	0

## Vehicle Mix

### Heavy Vehicle Percentages

		To		
		A - Heybeck Lane (east)	B - Site Access	C - Heybeck Lane (west)
From	A - Heybeck Lane (east)	0	10	10
	B - Site Access	10	0	10
	C - Heybeck Lane (west)	10	10	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.05	6.93	0.1	A	23	34
B-A	0.01	9.76	0.0	A	2	3
C-AB	0.07	6.48	0.1	A	36	54
C-A					328	491
A-B					4	6
A-C					220	330

### Main Results for each time segment

#### 16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	19	5	620	0.030	19	0.0	0.0	6.582	A
B-A	2	0.38	452	0.003	1	0.0	0.0	8.794	A
C-AB	29	7	677	0.043	29	0.0	0.0	6.115	A
C-A	269	67			269				
A-B	3	0.75			3				
A-C	181	45			181				

#### 16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	22	6	611	0.037	22	0.0	0.0	6.725	A
B-A	2	0.45	433	0.004	2	0.0	0.0	9.177	A
C-AB	35	9	667	0.053	35	0.0	0.1	6.266	A
C-A	321	80			321				
A-B	4	0.90			4				
A-C	216	54			216				

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	28	7	599	0.046	27	0.0	0.1	6.928	A
B-A	2	0.55	408	0.005	2	0.0	0.0	9.762	A
C-AB	43	11	654	0.066	43	0.1	0.1	6.483	A
C-A	393	98			393				
A-B	4	1			4				
A-C	264	66			264				

#### 17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	28	7	599	0.046	28	0.1	0.1	6.928	A
B-A	2	0.55	408	0.005	2	0.0	0.0	9.763	A
C-AB	43	11	654	0.066	43	0.1	0.1	6.483	A
C-A	393	98			393				
A-B	4	1			4				
A-C	264	66			264				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	22	6	611	0.037	23	0.1	0.0	6.728	A
B-A	2	0.45	433	0.004	2	0.0	0.0	9.180	A
C-AB	35	9	667	0.053	35	0.1	0.1	6.270	A
C-A	321	80			321				
A-B	4	0.90			4				
A-C	216	54			216				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	19	5	620	0.030	19	0.0	0.0	6.586	A
B-A	2	0.38	452	0.003	2	0.0	0.0	8.798	A
C-AB	29	7	677	0.043	29	0.1	0.1	6.121	A
C-A	269	67			269				
A-B	3	0.75			3				
A-C	181	45			181				

# 2030 DS(A), AM

## Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm flare	B - Site Access - Minor arm geometry	Is flare very short? Estimated flare length is zero but has been increased to 1 because a zero flare length is not allowed.

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.11	A

### Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	100	Stream B-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
D9	2030 DS(A)	AM	ONE HOUR	07:15	08:45	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - Heybeck Lane (east)		ONE HOUR	✓	406	100.000
B - Site Access		ONE HOUR	✓	104	100.000
C - Heybeck Lane (west)		ONE HOUR	✓	512	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A - Heybeck Lane (east)	B - Site Access	C - Heybeck Lane (west)
From	A - Heybeck Lane (east)	0	2	404
	B - Site Access	9	0	95
	C - Heybeck Lane (west)	485	27	0

## Vehicle Mix

### Heavy Vehicle Percentages

		To		
		A - Heybeck Lane (east)	B - Site Access	C - Heybeck Lane (west)
From	A - Heybeck Lane (east)	0	10	10
	B - Site Access	10	0	10
	C - Heybeck Lane (west)	10	10	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.19	8.87	0.3	A	87	131
B-A	0.03	11.81	0.0	B	8	12
C-AB	0.05	6.88	0.1	A	25	37
C-A					445	668
A-B					2	3
A-C					371	556

### Main Results for each time segment

#### 07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	72	18	588	0.122	71	0.0	0.2	7.655	A
B-A	7	2	410	0.017	7	0.0	0.0	9.823	A
C-AB	20	5	644	0.032	20	0.0	0.0	6.350	A
C-A	365	91			365				
A-B	2	0.38			2				
A-C	304	76			304				

#### 07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	85	21	572	0.149	85	0.2	0.2	8.125	A
B-A	8	2	383	0.021	8	0.0	0.0	10.568	B
C-AB	24	6	628	0.039	24	0.0	0.0	6.562	A
C-A	436	109			436				
A-B	2	0.45			2				
A-C	363	91			363				

#### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	105	26	551	0.190	104	0.2	0.3	8.857	A
B-A	10	2	345	0.029	10	0.0	0.0	11.810	B
C-AB	30	7	606	0.049	30	0.0	0.1	6.876	A
C-A	534	133			534				
A-B	2	0.55			2				
A-C	445	111			445				

#### 08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	105	26	551	0.190	105	0.3	0.3	8.865	A
B-A	10	2	345	0.029	10	0.0	0.0	11.813	B
C-AB	30	7	606	0.049	30	0.1	0.1	6.876	A
C-A	534	133			534				
A-B	2	0.55			2				
A-C	445	111			445				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	85	21	572	0.149	86	0.3	0.2	8.140	A
B-A	8	2	383	0.021	8	0.0	0.0	10.573	B
C-AB	24	6	628	0.039	24	0.1	0.0	6.566	A
C-A	436	109			436				
A-B	2	0.45			2				
A-C	363	91			363				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	72	18	588	0.122	72	0.2	0.2	7.678	A
B-A	7	2	410	0.017	7	0.0	0.0	9.828	A
C-AB	20	5	644	0.032	20	0.0	0.0	6.353	A
C-A	365	91			365				
A-B	2	0.38			2				
A-C	304	76			304				

# 2030 DS(A), PM

## Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm flare	B - Site Access - Minor arm geometry	Is flare very short? Estimated flare length is zero but has been increased to 1 because a zero flare length is not allowed.

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.12	A

### Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	164	Stream B-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
D10	2030 DS(A)	PM	ONE HOUR	16:15	17:45	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - Heybeck Lane (east)		ONE HOUR	✓	257	100.000
B - Site Access		ONE HOUR	✓	50	100.000
C - Heybeck Lane (west)		ONE HOUR	✓	461	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A - Heybeck Lane (east)	B - Site Access	C - Heybeck Lane (west)
From	A - Heybeck Lane (east)	0	6	251
	B - Site Access	4	0	46
	C - Heybeck Lane (west)	391	70	0

## Vehicle Mix

### Heavy Vehicle Percentages

		To		
		A - Heybeck Lane (east)	B - Site Access	C - Heybeck Lane (west)
From	A - Heybeck Lane (east)	0	10	10
	B - Site Access	10	0	10
	C - Heybeck Lane (west)	10	10	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.09	7.28	0.1	A	42	63
B-A	0.01	10.35	0.0	B	4	6
C-AB	0.12	6.91	0.1	A	64	96
C-A					359	538
A-B					6	9
A-C					230	345

### Main Results for each time segment

#### 16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	35	9	617	0.056	34	0.0	0.1	6.790	A
B-A	3	0.75	438	0.007	3	0.0	0.0	9.111	A
C-AB	53	13	674	0.078	52	0.0	0.1	6.367	A
C-A	294	74			294				
A-B	5	1			5				
A-C	189	47			189				

#### 16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	41	10	608	0.068	41	0.1	0.1	6.989	A
B-A	4	0.90	416	0.009	4	0.0	0.0	9.595	A
C-AB	63	16	664	0.095	63	0.1	0.1	6.590	A
C-A	352	88			352				
A-B	6	1			6				
A-C	226	56			226				

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	51	13	595	0.085	51	0.1	0.1	7.276	A
B-A	4	1	387	0.011	4	0.0	0.0	10.352	B
C-AB	77	19	650	0.119	77	0.1	0.1	6.912	A
C-A	430	108			430				
A-B	7	2			7				
A-C	276	69			276				

#### 17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	51	13	595	0.085	51	0.1	0.1	7.276	A
B-A	4	1	387	0.011	4	0.0	0.0	10.353	B
C-AB	77	19	650	0.119	77	0.1	0.1	6.915	A
C-A	430	108			430				
A-B	7	2			7				
A-C	276	69			276				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	41	10	608	0.068	41	0.1	0.1	6.993	A
B-A	4	0.90	416	0.009	4	0.0	0.0	9.597	A
C-AB	63	16	664	0.095	63	0.1	0.1	6.593	A
C-A	352	88			352				
A-B	6	1			6				
A-C	226	56			226				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	35	9	617	0.056	35	0.1	0.1	6.799	A
B-A	3	0.75	437	0.007	3	0.0	0.0	9.115	A
C-AB	53	13	674	0.078	53	0.1	0.1	6.376	A
C-A	294	74			294				
A-B	5	1			5				
A-C	189	47			189				

# 2030 DS(A+B), AM

## Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm flare	B - Site Access - Minor arm geometry	Is flare very short? Estimated flare length is zero but has been increased to 1 because a zero flare length is not allowed.

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.07	A

### Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	93	Stream B-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
D11	2030 DS(A+B)	AM	ONE HOUR	07:15	08:45	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - Heybeck Lane (east)		ONE HOUR	✓	418	100.000
B - Site Access		ONE HOUR	✓	104	100.000
C - Heybeck Lane (west)		ONE HOUR	✓	543	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A - Heybeck Lane (east)	B - Site Access	C - Heybeck Lane (west)
From	A - Heybeck Lane (east)	0	2	416
	B - Site Access	9	0	95
	C - Heybeck Lane (west)	516	27	0

## Vehicle Mix

### Heavy Vehicle Percentages

		To		
		A - Heybeck Lane (east)	B - Site Access	C - Heybeck Lane (west)
From	A - Heybeck Lane (east)	0	10	10
	B - Site Access	10	0	10
	C - Heybeck Lane (west)	10	10	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.19	8.93	0.3	A	87	131
B-A	0.03	12.11	0.0	B	8	12
C-AB	0.05	6.92	0.1	A	25	37
C-A					473	710
A-B					2	3
A-C					382	573

### Main Results for each time segment

#### 07:15 - 07:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	72	18	585	0.122	71	0.0	0.2	7.690	A
B-A	7	2	404	0.017	7	0.0	0.0	9.965	A
C-AB	20	5	641	0.032	20	0.0	0.0	6.374	A
C-A	388	97			388				
A-B	2	0.38			2				
A-C	313	78			313				

#### 07:30 - 07:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	85	21	570	0.150	85	0.2	0.2	8.170	A
B-A	8	2	376	0.022	8	0.0	0.0	10.764	B
C-AB	24	6	625	0.039	24	0.0	0.0	6.594	A
C-A	464	116			464				
A-B	2	0.45			2				
A-C	374	93			374				

#### 07:45 - 08:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	105	26	548	0.191	104	0.2	0.3	8.921	A
B-A	10	2	337	0.029	10	0.0	0.0	12.111	B
C-AB	30	7	602	0.049	30	0.0	0.1	6.919	A
C-A	568	142			568				
A-B	2	0.55			2				
A-C	458	115			458				

#### 08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	105	26	548	0.191	105	0.3	0.3	8.932	A
B-A	10	2	337	0.029	10	0.0	0.0	12.115	B
C-AB	30	7	602	0.049	30	0.1	0.1	6.919	A
C-A	568	142			568				
A-B	2	0.55			2				
A-C	458	115			458				

**08:15 - 08:30**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	85	21	570	0.150	86	0.3	0.2	8.184	A
B-A	8	2	376	0.022	8	0.0	0.0	10.769	B
C-AB	24	6	625	0.039	24	0.1	0.0	6.595	A
C-A	464	116			464				
A-B	2	0.45			2				
A-C	374	93			374				

**08:30 - 08:45**

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	72	18	585	0.122	72	0.2	0.2	7.711	A
B-A	7	2	404	0.017	7	0.0	0.0	9.971	A
C-AB	20	5	641	0.032	20	0.0	0.0	6.380	A
C-A	388	97			388				
A-B	2	0.38			2				
A-C	313	78			313				

# 2030 DS(A+B), PM

## Data Errors and Warnings

Severity	Area	Item	Description
Warning	Minor arm flare	B - Site Access - Minor arm geometry	Is flare very short? Estimated flare length is zero but has been increased to 1 because a zero flare length is not allowed.

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way		1.05	A

### Junction Network Options

Driving side	Lighting	Network residual capacity (%)	First arm reaching threshold
Left	Normal/unknown	142	Stream B-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
D12	2030 DS(A+B)	PM	ONE HOUR	16:15	17:45	15	✓

Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)
✓	✓	HV Percentages	2.00

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - Heybeck Lane (east)		ONE HOUR	✓	294	100.000
B - Site Access		ONE HOUR	✓	50	100.000
C - Heybeck Lane (west)		ONE HOUR	✓	492	100.000

## Origin-Destination Data

### Demand (PCU/hr)

		To		
		A - Heybeck Lane (east)	B - Site Access	C - Heybeck Lane (west)
From	A - Heybeck Lane (east)	0	6	288
	B - Site Access	4	0	46
	C - Heybeck Lane (west)	422	70	0

## Vehicle Mix

### Heavy Vehicle Percentages

		To		
		A - Heybeck Lane (east)	B - Site Access	C - Heybeck Lane (west)
From	A - Heybeck Lane (east)	0	10	10
	B - Site Access	10	0	10
	C - Heybeck Lane (west)	10	10	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	0.09	7.41	0.1	A	42	63
B-A	0.01	10.78	0.0	B	4	6
C-AB	0.12	7.05	0.2	A	64	96
C-A					387	581
A-B					6	8
A-C					264	396

### Main Results for each time segment

#### 16:15 - 16:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	35	9	610	0.057	34	0.0	0.1	6.871	A
B-A	3	0.75	427	0.007	3	0.0	0.0	9.331	A
C-AB	53	13	666	0.079	52	0.0	0.1	6.444	A
C-A	318	79			318				
A-B	5	1			5				
A-C	217	54			217				

#### 16:30 - 16:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	41	10	600	0.069	41	0.1	0.1	7.091	A
B-A	4	0.90	404	0.009	4	0.0	0.0	9.888	A
C-AB	63	16	655	0.096	63	0.1	0.1	6.690	A
C-A	379	95			379				
A-B	5	1			5				
A-C	259	65			259				

#### 16:45 - 17:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	51	13	585	0.087	51	0.1	0.1	7.413	A
B-A	4	1	372	0.012	4	0.0	0.0	10.774	B
C-AB	77	19	639	0.121	77	0.1	0.1	7.046	A
C-A	465	116			465				
A-B	7	2			7				
A-C	317	79			317				

#### 17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	51	13	585	0.087	51	0.1	0.1	7.413	A
B-A	4	1	372	0.012	4	0.0	0.0	10.775	B
C-AB	77	19	639	0.121	77	0.1	0.2	7.049	A
C-A	465	116			465				
A-B	7	2			7				
A-C	317	79			317				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	41	10	600	0.069	41	0.1	0.1	7.094	A
B-A	4	0.90	404	0.009	4	0.0	0.0	9.893	A
C-AB	63	16	655	0.096	63	0.2	0.1	6.692	A
C-A	379	95			379				
A-B	5	1			5				
A-C	259	65			259				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	35	9	610	0.057	35	0.1	0.1	6.878	A
B-A	3	0.75	427	0.007	3	0.0	0.0	9.335	A
C-AB	53	13	666	0.079	53	0.1	0.1	6.454	A
C-A	318	79			318				
A-B	5	1			5				
A-C	217	54			217				