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MALONE O'REGAN

# **Environmental Impact Assessment (‘EIAR’) Volume 3 – Appendix 13**

## **Part 4**

### **Continuance of Use & Extension to Ballyburn Pit**

On behalf of

**Dan Morrissey & Co. (Plazamount Ltd)**

**Ballyburn Upper, Gortenvacan,  
Knockbane, Castledermot, Co.  
Kildare**



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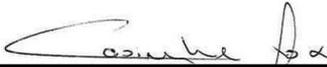


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**Title: Environmental Impact Assessment ('EIAR') Volume 3 – Appendix 13 Part 1, Continuance of Use & Extension to Ballyburn Pit, Dan Morrissey & Co. (Plazamount Ltd), Ballyburn Upper, Gorteenvacan, Knockbane, Castledermot, Co. Kildare**

**Job Number: E2122**

**Prepared By: Caoimhe Fox**

**Signed:** 

**Checked By: David Dwyer**

**Signed:** 

**Approved By: Kenneth Goodwin**

**Signed:** 

**Revision Record**

Issue No.	Date	Description	Remark	Prepared	Checked	Approved
01	13/11/24	Report	FINAL	CF	DD	KG

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**Environmental Impact Assessment ('EIA') Volume 3 – Appendix 13 Part 1**  
**Continuance of Use & Extension to Ballyburn Pit**  
**Dan Morrissey & Co. (Plazamount Ltd)**  
**Ballyburn Upper, Gorteenvacan, Knockbane, Castledermot, Co. Kildare**

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**APPENDICES**

**APPENDIX 13**

Appendix 13-4: Traffic and Transport Assessment Appendix D2 – Part 1

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## Appendix D – Junctions 9 Outputs D2 - Part 1

# Junctions 9

## PICADY 9 - Priority Intersection Module

Version: 9.5.0.6896  
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**Filename:** Junction 2 - Staggered Junction.j9

**Path:** W:\UDC-Traffic Files\P23-054\Modelling\Rev. 2\J2- Staggered Junction

**Report generation date:** 18/01/2024 21:45:05

- »opening yr, 12hrs
- »opening yr + 5, 12hrs
- »opening yr+ 15, 12hrs
- »opening yr + dev + adj, 12hrs
- »opening yr + 5 + dev + adj, 12hrs
- »opening yr + 15 + dev + adj , 12hrs

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## Summary of junction performance

12hrs				
	Queue (Veh)	Delay (s)	RFC	LOS
opening yr				
Stream B-C	0.1	10.02	0.12	B
Stream B-AD	0.1	12.56	0.10	B
Stream A-BCD	0.0	0.00	0.00	A
Stream D-A	0.0	11.62	0.03	B
Stream D-BC	0.2	12.53	0.14	B
Stream C-ABD	0.3	6.20	0.12	A
opening yr + 5				
Stream B-C	0.2	10.38	0.13	B
Stream B-AD	0.1	13.86	0.11	B
Stream A-BCD	0.0	0.00	0.00	A
Stream D-A	0.0	12.03	0.03	B
Stream D-BC	0.2	13.69	0.17	B
Stream C-ABD	0.4	6.76	0.15	A
opening yr+ 15				
Stream B-C	0.2	10.72	0.15	B
Stream B-AD	0.1	15.07	0.13	C
Stream A-BCD	0.0	0.00	0.00	A
Stream D-A	0.0	12.38	0.03	B
Stream D-BC	0.3	14.78	0.20	B
Stream C-ABD	0.5	6.62	0.17	A
opening yr + dev + adj				
Stream B-C	0.1	10.07	0.12	B
Stream B-AD	0.1	12.77	0.10	B
Stream A-BCD	0.0	7.13	0.02	A
Stream D-A	0.0	12.00	0.03	B
Stream D-BC	0.2	13.25	0.17	B
Stream C-ABD	0.3	6.18	0.12	A
opening yr + 5 + dev + adj				
Stream B-C	0.2	10.44	0.14	B
Stream B-AD	0.1	14.11	0.12	B
Stream A-BCD	0.0	6.90	0.02	A
Stream D-A	0.0	12.49	0.03	B
Stream D-BC	0.2	14.43	0.20	B
Stream C-ABD	0.4	6.74	0.15	A
opening yr + 15 + dev + adj				
Stream B-C	0.2	10.78	0.15	B
Stream B-AD	0.1	15.36	0.13	C
Stream A-BCD	0.0	6.75	0.02	A
Stream D-A	0.1	12.92	0.04	B
Stream D-BC	0.3	15.54	0.23	C
Stream C-ABD	0.5	6.60	0.17	A

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

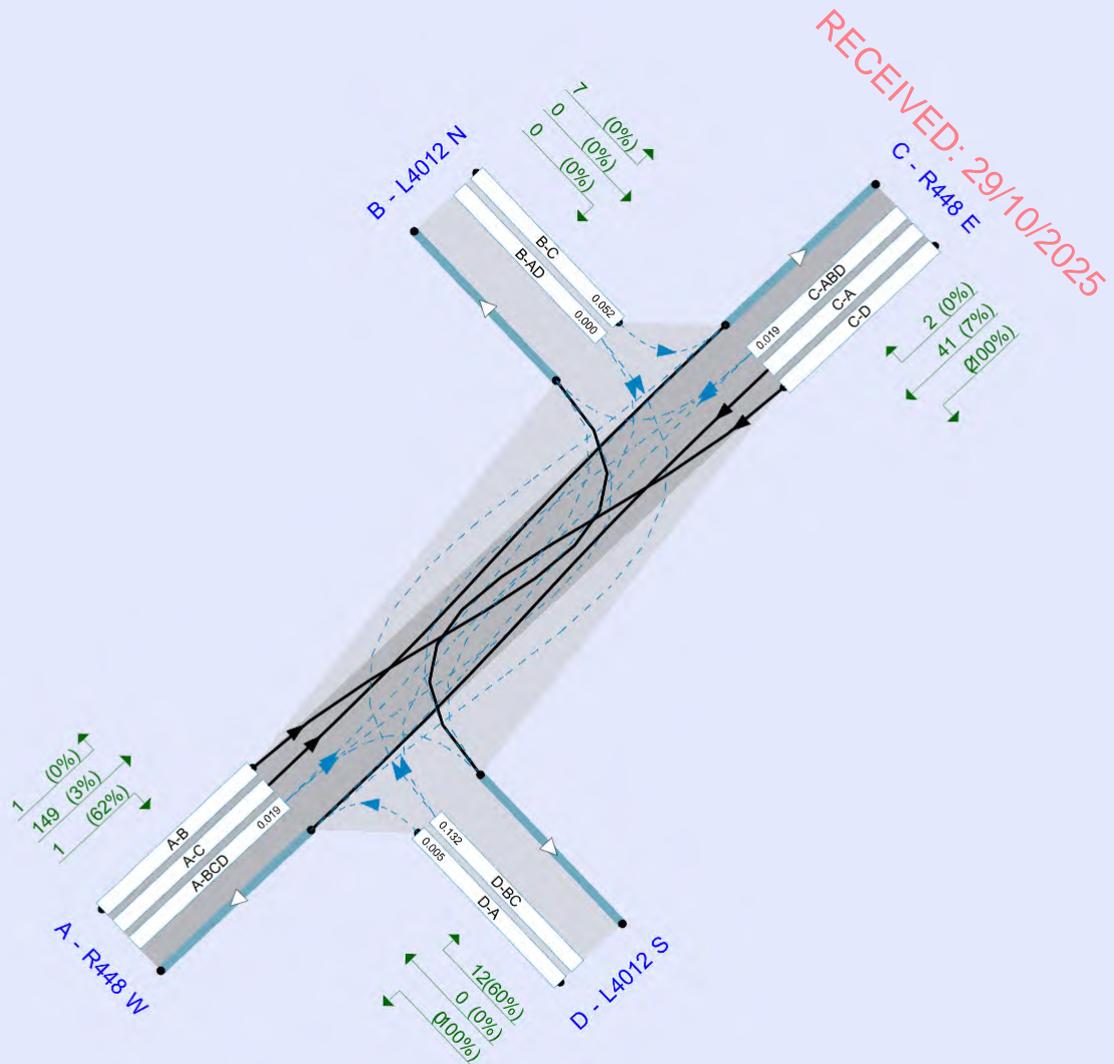
## File summary

### File Description

Title	
Location	
Site number	
Date	18/04/2024
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	PMCE\papadakisa
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	perTimeSegment	s	-Min	perMin



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

Time Segment: 07:00-07:15

The junction diagram reflects the last run of Junctions.

## Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
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 period length (min)	Time segment length (min)	Run automatically	Relationship type	Relationship
D1	base yr	12hrs	DIRECT	07:00	19:00	720	15			
D2	opening yr	12hrs	DIRECT	07:00	19:00	720	15	✓		
D3	dev traffic	12hrs	DIRECT	07:00	19:00	720	15			
D4	adj traffic	12hrs	DIRECT	07:00	19:00	720	15			
D5	opening yr + 5	12hrs	DIRECT	07:00	19:00	720	15	✓		
D6	opening yr+ 15	12hrs	DIRECT	07:00	19:00	720	15	✓		
D7	opening yr + dev + adj	12hrs	DIRECT	07:00	19:00	720	15	✓	Simple	D2+D3+D4
D8	opening yr + 5 + dev + adj	12hrs	DIRECT	07:00	19:00	720	15	✓	Simple	D5+D3+D4
D9	opening yr + 15 + dev + adj	12hrs	DIRECT	07:00	19:00	720	15	✓	Simple	D6+D3+D4

## Analysis Set Details

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

# opening yr, 12hrs

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## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Staggered Junction	Right-Left Stagger	Two-way		1.16	A

### Junction Network Options

Driving side	Lighting
Left	Normal/unknown

## Arms

### Arms

Arm	Name	Description	Arm type
A	R448 W		Major
B	L4012 N		Minor
C	R448 E		Major
D	L4012 S		Minor

### Major Arm Geometry

Arm	Width of carrieway (m)	Has kerbed central reserve	Has right turn bay	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
A - R448 W	11.00			250.0	✓	0.00
C - R448 E	10.00			250.0	✓	0.00

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

### Minor Arm Geometry

Arm	Minor arm type	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 - L4012 N	One lane plus flare	10.00	5.40	3.50	3.00	3.00	✓	1.00	55	34
D - L4012 S	One lane plus flare	10.00	9.00	9.00	5.85	3.80	✓	3.00	128	213

## Slope / Intercept / Capacity

### Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (Veh/TS)	Slope for A-B	Slope for A-C	Slope for A-D	Slope for B-A	Slope for B-D	Slope for C-A	Slope for C-B	Slope for C-D	Slope for D-B	Slope for D-C
1	A-D	179.685	-	-	-	0.218	0.218	0.218	-	0.218	-	-
1	B-AD	124.196	0.075	0.189	-	-	-	0.119	0.270	0.119	0.075	0.189
1	B-C	175.872	0.089	0.225	-	-	-	-	-	-	0.089	0.225
1	C-B	179.685	0.230	0.230	-	-	-	-	-	-	0.230	0.230
1	D-A	198.282	-	-	-	0.240	0.095	0.240	-	0.095	-	-
1	D-BC	185.118	0.168	0.168	0.381	0.267	0.106	0.267	-	0.106	-	-

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 period length (min)	Time segment length (min)	Run automatically
D2	opening yr	12hrs	DIRECT	07:00	19:00	720	15	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.00	✓

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### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - R448 W		DIRECT	✓	100.000
B - L4012 N		DIRECT	✓	100.000
C - R448 E		DIRECT	✓	100.000
D - L4012 S		DIRECT	✓	100.000

### Origin-Destination Data

#### Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
07:00 - 07:15	From	A - R448 W	0.00	1.02	126.50	0.00
		B - L4012 N	0.00	0.00	6.12	0.00
		C - R448 E	34.71	2.04	0.00	0.00
		D - L4012 S	0.00	0.00	8.23	0.00

#### Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
07:15 - 07:30	From	A - R448 W	0.00	1.02	93.96	0.00
		B - L4012 N	2.04	0.00	5.10	0.00
		C - R448 E	59.25	2.04	0.00	0.00
		D - L4012 S	3.08	0.00	7.19	0.00

#### Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
07:30 - 07:45	From	A - R448 W	0.00	0.00	103.03	0.00
		B - L4012 N	4.08	0.00	3.08	0.00
		C - R448 E	70.40	2.08	0.00	0.00
		D - L4012 S	2.04	2.04	9.21	0.00

#### Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
07:45 - 08:00	From	A - R448 W	0.00	1.02	107.10	0.00
		B - L4012 N	4.10	0.00	11.25	0.00
		C - R448 E	104.10	3.06	0.00	0.00
		D - L4012 S	2.06	0.00	5.13	0.00

#### Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
08:00 - 08:15	From	A - R448 W	0.00	2.04	114.37	0.00
		B - L4012 N	6.12	0.00	6.14	0.00
		C - R448 E	100.02	4.10	0.00	0.00
		D - L4012 S	0.00	0.00	5.10	0.00

#### Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
08:15 - 08:30	From	A - R448 W	0.00	3.08	125.53	0.00
		B - L4012 N	5.12	0.00	2.04	0.00
		C - R448 E	153.08	2.06	0.00	0.00
		D - L4012 S	0.00	0.00	12.31	0.00

**Demand (Veh/TS)**

08:30 - 08:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	8.18	111.24	0.00
	B - L4012 N	6.12	0.00	14.31	0.00
	C - R448 E	136.78	2.04	0.00	0.00
	D - L4012 S	2.04	2.04	9.20	0.00

**Demand (Veh/TS)**

08:45 - 09:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	1.02	85.73	0.00
	B - L4012 N	6.15	0.00	7.14	0.00
	C - R448 E	121.43	6.12	0.00	0.00
	D - L4012 S	2.04	1.02	9.18	0.00

**Demand (Veh/TS)**

09:00 - 09:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	1.04	86.71	0.00
	B - L4012 N	3.06	0.00	7.14	0.00
	C - R448 E	103.12	6.14	0.00	0.00
	D - L4012 S	3.08	0.00	4.10	0.00

**Demand (Veh/TS)**

09:15 - 09:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	5.10	84.76	0.00
	B - L4012 N	6.12	0.00	3.06	0.00
	C - R448 E	105.08	1.02	0.00	0.00
	D - L4012 S	2.04	0.00	8.18	0.00

**Demand (Veh/TS)**

09:30 - 09:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	1.04	72.58	0.00
	B - L4012 N	3.06	0.00	3.10	0.00
	C - R448 E	105.17	2.04	0.00	0.00
	D - L4012 S	1.02	0.00	8.23	0.00

**Demand (Veh/TS)**

09:45 - 10:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	2.04	79.68	0.00
	B - L4012 N	4.08	0.00	2.06	0.00
	C - R448 E	86.96	1.02	0.00	0.00
	D - L4012 S	2.06	2.04	9.29	0.00

**Demand (Veh/TS)**

10:00 - 10:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	4.08	62.35	0.00
	B - L4012 N	2.04	0.00	2.04	0.00
	C - R448 E	90.93	0.00	0.00	0.00
	D - L4012 S	0.00	1.02	3.06	0.00

**Demand (Veh/TS)**

10:15 - 10:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	3.06	75.58	0.00
	B - L4012 N	7.14	0.00	0.00	0.00
	C - R448 E	73.53	1.02	0.00	0.00
	D - L4012 S	1.02	0.00	2.06	0.00

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Demand (Veh/TS)

10:30 - 10:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	2.04	58.32	0.00
	B - L4012 N	2.04	0.00	0.00	0.00
	C - R448 E	69.48	2.06	0.00	0.00
	D - L4012 S	1.02	0.00	1.02	0.00

Demand (Veh/TS)

10:45 - 11:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	2.04	56.21	0.00
	B - L4012 N	1.02	0.00	8.23	0.00
	C - R448 E	72.47	3.06	0.00	0.00
	D - L4012 S	2.04	0.00	2.04	0.00

Demand (Veh/TS)

11:00 - 11:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	5.10	55.10	0.00
	B - L4012 N	5.10	0.00	2.04	0.00
	C - R448 E	63.31	4.13	0.00	0.00
	D - L4012 S	1.02	0.00	2.04	0.00

Demand (Veh/TS)

11:15 - 11:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	4.08	70.50	0.00
	B - L4012 N	4.12	0.00	3.08	0.00
	C - R448 E	57.14	2.04	0.00	0.00
	D - L4012 S	0.00	0.00	5.13	0.00

Demand (Veh/TS)

11:30 - 11:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	9.18	77.57	0.00
	B - L4012 N	7.16	0.00	3.06	0.00
	C - R448 E	57.21	3.06	0.00	0.00
	D - L4012 S	0.00	2.04	3.06	0.00

Demand (Veh/TS)

11:45 - 12:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	4.08	79.68	0.00
	B - L4012 N	3.06	0.00	2.04	0.00
	C - R448 E	54.10	3.06	0.00	0.00
	D - L4012 S	2.06	0.00	1.02	0.00

Demand (Veh/TS)

12:00 - 12:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	4.08	69.47	0.00
	B - L4012 N	3.06	0.00	0.00	0.00
	C - R448 E	62.33	1.04	0.00	0.00
	D - L4012 S	1.02	1.02	3.08	0.00

Demand (Veh/TS)

12:15 - 12:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	2.04	75.58	0.00
	B - L4012 N	4.08	0.00	2.04	0.00
	C - R448 E	63.29	0.00	0.00	0.00
	D - L4012 S	5.10	0.00	3.08	0.00

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## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
12:30 - 12:45	From	A - R448 W	0.00	5.12	65.37	0.00
		B - L4012 N	1.02	0.00	2.06	0.00
		C - R448 E	61.25	2.04	0.00	0.00
		D - L4012 S	2.04	0.00	4.13	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
12:45 - 13:00	From	A - R448 W	0.00	5.10	93.87	0.00
		B - L4012 N	3.06	0.00	1.02	0.00
		C - R448 E	71.45	0.00	0.00	0.00
		D - L4012 S	0.00	1.02	2.04	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
13:00 - 13:15	From	A - R448 W	0.00	5.10	64.31	0.00
		B - L4012 N	2.04	0.00	2.06	0.00
		C - R448 E	92.88	5.13	0.00	0.00
		D - L4012 S	0.00	0.00	7.17	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
13:15 - 13:30	From	A - R448 W	0.00	7.14	70.45	0.00
		B - L4012 N	4.12	0.00	0.00	0.00
		C - R448 E	85.71	4.08	0.00	0.00
		D - L4012 S	0.00	4.08	4.12	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
13:30 - 13:45	From	A - R448 W	0.00	1.02	77.55	0.00
		B - L4012 N	4.08	0.00	0.00	0.00
		C - R448 E	83.63	1.02	0.00	0.00
		D - L4012 S	2.04	0.00	5.15	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
13:45 - 14:00	From	A - R448 W	0.00	3.06	71.49	0.00
		B - L4012 N	7.16	0.00	3.06	0.00
		C - R448 E	93.85	4.08	0.00	0.00
		D - L4012 S	1.04	0.00	5.12	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
14:00 - 14:15	From	A - R448 W	0.00	5.10	84.73	0.00
		B - L4012 N	4.08	0.00	0.00	0.00
		C - R448 E	73.53	2.06	0.00	0.00
		D - L4012 S	2.06	0.00	2.06	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
14:15 - 14:30	From	A - R448 W	0.00	5.10	79.61	0.00
		B - L4012 N	4.08	0.00	3.06	0.00
		C - R448 E	67.45	3.06	0.00	0.00
		D - L4012 S	2.04	0.00	6.17	0.00

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Demand (Veh/TS)

14:30 - 14:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	2.04	74.47	0.00
	B - L4012 N	5.12	0.00	1.02	0.00
	C - R448 E	82.70	4.10	0.00	0.00
	D - L4012 S	0.00	3.06	2.04	0.00

Demand (Veh/TS)

14:45 - 15:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	8.18	71.43	0.00
	B - L4012 N	7.14	0.00	2.04	0.00
	C - R448 E	81.63	4.08	0.00	0.00
	D - L4012 S	1.02	0.00	1.04	0.00

Demand (Veh/TS)

15:00 - 15:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	7.17	101.13	0.00
	B - L4012 N	4.08	0.00	3.06	0.00
	C - R448 E	93.92	5.12	0.00	0.00
	D - L4012 S	1.02	2.04	2.06	0.00

Demand (Veh/TS)

15:15 - 15:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	8.16	77.57	0.00
	B - L4012 N	2.04	0.00	3.06	0.00
	C - R448 E	115.33	7.16	0.00	0.00
	D - L4012 S	2.08	2.04	2.06	0.00

Demand (Veh/TS)

15:30 - 15:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	4.08	100.06	0.00
	B - L4012 N	6.14	0.00	4.10	0.00
	C - R448 E	89.81	5.12	0.00	0.00
	D - L4012 S	1.02	1.02	4.12	0.00

Demand (Veh/TS)

15:45 - 16:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	6.12	73.51	0.00
	B - L4012 N	7.16	0.00	4.08	0.00
	C - R448 E	85.69	3.06	0.00	0.00
	D - L4012 S	0.00	0.00	1.02	0.00

Demand (Veh/TS)

16:00 - 16:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	4.08	107.20	0.00
	B - L4012 N	3.06	0.00	8.18	0.00
	C - R448 E	110.22	7.16	0.00	0.00
	D - L4012 S	0.00	2.04	2.06	0.00

Demand (Veh/TS)

16:15 - 16:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	8.16	98.97	0.00
	B - L4012 N	5.10	0.00	6.14	0.00
	C - R448 E	109.20	8.18	0.00	0.00
	D - L4012 S	3.06	0.00	7.19	0.00

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## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
16:30 - 16:45	From	A - R448 W	0.00	5.10	103.01	0.00
		B - L4012 N	9.18	0.00	3.06	0.00
		C - R448 E	133.60	4.08	0.00	0.00
		D - L4012 S	0.00	0.00	8.27	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
16:45 - 17:00	From	A - R448 W	0.00	5.10	123.47	0.00
		B - L4012 N	3.06	0.00	2.04	0.00
		C - R448 E	114.30	6.14	0.00	0.00
		D - L4012 S	1.02	3.06	8.18	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
17:00 - 17:15	From	A - R448 W	0.00	7.14	129.56	0.00
		B - L4012 N	7.14	0.00	3.06	0.00
		C - R448 E	127.52	8.16	0.00	0.00
		D - L4012 S	1.04	2.04	4.13	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
17:15 - 17:30	From	A - R448 W	0.00	11.23	144.85	0.00
		B - L4012 N	4.08	0.00	1.02	0.00
		C - R448 E	133.64	5.10	0.00	0.00
		D - L4012 S	0.00	0.00	7.19	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
17:30 - 17:45	From	A - R448 W	0.00	4.08	116.28	0.00
		B - L4012 N	8.16	0.00	3.06	0.00
		C - R448 E	145.91	9.18	0.00	0.00
		D - L4012 S	1.04	0.00	6.19	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
17:45 - 18:00	From	A - R448 W	0.00	6.12	125.50	0.00
		B - L4012 N	4.08	0.00	2.04	0.00
		C - R448 E	161.20	11.22	0.00	0.00
		D - L4012 S	2.06	1.02	4.10	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
18:00 - 18:15	From	A - R448 W	0.00	7.14	99.93	0.00
		B - L4012 N	3.06	0.00	0.00	0.00
		C - R448 E	134.64	8.18	0.00	0.00
		D - L4012 S	3.06	1.02	4.10	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
18:15 - 18:30	From	A - R448 W	0.00	5.10	72.42	0.00
		B - L4012 N	3.06	0.00	2.04	0.00
		C - R448 E	130.54	4.08	0.00	0.00
		D - L4012 S	1.02	0.00	1.02	0.00

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Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
18:30 - 18:45	From	A - R448 W	0.00	5.12	67.32	0.00
		B - L4012 N	0.00	0.00	3.06	0.00
		C - R448 E	110.15	4.08	0.00	0.00
		D - L4012 S	0.00	1.02	1.02	0.00

Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
18:45 - 19:00	From	A - R448 W	0.00	1.02	53.04	0.00
		B - L4012 N	6.12	0.00	4.08	0.00
		C - R448 E	93.85	4.08	0.00	0.00
		D - L4012 S	0.00	3.06	1.02	0.00

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Vehicle Mix

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
07:00 - 07:15	From	A - R448 W	0	0	2	0
		B - L4012 N	0	0	0	0
		C - R448 E	6	0	0	0
		D - L4012 S	0	0	50	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
07:15 - 07:30	From	A - R448 W	0	0	9	0
		B - L4012 N	0	0	0	0
		C - R448 E	11	0	0	0
		D - L4012 S	34	0	43	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
07:30 - 07:45	From	A - R448 W	0	0	2	0
		B - L4012 N	0	0	34	0
		C - R448 E	3	100	0	0
		D - L4012 S	0	0	23	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
07:45 - 08:00	From	A - R448 W	0	0	2	0
		B - L4012 N	25	0	18	0
		C - R448 E	5	0	0	0
		D - L4012 S	50	0	40	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
08:00 - 08:15	From	A - R448 W	0	0	8	0
		B - L4012 N	0	0	17	0
		C - R448 E	5	25	0	0
		D - L4012 S	0	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
08:15 - 08:30	From	A - R448 W	0	34	5	0
		B - L4012 N	20	0	0	0
		C - R448 E	5	50	0	0
		D - L4012 S	0	0	34	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
08:30 - 08:45	From	A - R448 W	0	13	5	0
		B - L4012 N	0	0	15	0
		C - R448 E	6	0	0	0
		D - L4012 S	0	0	11	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
08:45 - 09:00	From	A - R448 W	0	0	5	0
		B - L4012 N	34	0	0	0
		C - R448 E	4	0	0	0
		D - L4012 S	0	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
09:00 - 09:15	From	A - R448 W	0	100	2	0
		B - L4012 N	0	0	0	0
		C - R448 E	7	17	0	0
		D - L4012 S	34	0	25	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
09:15 - 09:30	From	A - R448 W	0	0	9	0
		B - L4012 N	0	0	0	0
		C - R448 E	3	0	0	0
		D - L4012 S	0	0	13	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
09:30 - 09:45	From	A - R448 W	0	100	14	0
		B - L4012 N	0	0	67	0
		C - R448 E	8	0	0	0
		D - L4012 S	0	0	50	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
09:45 - 10:00	From	A - R448 W	0	0	10	0
		B - L4012 N	0	0	50	0
		C - R448 E	19	0	0	0
		D - L4012 S	50	0	67	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
10:00 - 10:15	From	A - R448 W	0	0	13	0
		B - L4012 N	0	0	0	0
		C - R448 E	11	0	0	0
		D - L4012 S	0	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
10:15 - 10:30	From	A - R448 W	0	0	10	0
		B - L4012 N	0	0	0	0
		C - R448 E	8	0	0	0
		D - L4012 S	0	0	50	0

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**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
10:30 - 10:45	From	A - R448 W	0	0	20	0
		B - L4012 N	0	0	0	0
		C - R448 E	12	50	0	0
		D - L4012 S	0	0	0	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
10:45 - 11:00	From	A - R448 W	0	0	13	0
		B - L4012 N	0	0	50	0
		C - R448 E	6	0	0	0
		D - L4012 S	0	0	0	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
11:00 - 11:15	From	A - R448 W	0	0	4	0
		B - L4012 N	0	0	0	0
		C - R448 E	8	75	0	0
		D - L4012 S	0	0	0	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
11:15 - 11:30	From	A - R448 W	0	0	12	0
		B - L4012 N	50	0	34	0
		C - R448 E	4	0	0	0
		D - L4012 S	0	0	40	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
11:30 - 11:45	From	A - R448 W	0	0	5	0
		B - L4012 N	15	0	0	0
		C - R448 E	11	0	0	0
		D - L4012 S	0	0	0	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
11:45 - 12:00	From	A - R448 W	0	0	10	0
		B - L4012 N	0	0	0	0
		C - R448 E	6	0	0	0
		D - L4012 S	50	0	0	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
12:00 - 12:15	From	A - R448 W	0	0	10	0
		B - L4012 N	0	0	0	0
		C - R448 E	12	100	0	0
		D - L4012 S	0	0	34	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
12:15 - 12:30	From	A - R448 W	0	0	10	0
		B - L4012 N	0	0	0	0
		C - R448 E	7	0	0	0
		D - L4012 S	0	0	34	0

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Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
12:30 - 12:45	From	A - R448 W	0	20	10	0
		B - L4012 N	0	0	50	0
		C - R448 E	7	0	0	0
		D - L4012 S	0	0	75	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
12:45 - 13:00	From	A - R448 W	0	0	3	0
		B - L4012 N	0	0	0	0
		C - R448 E	6	0	0	0
		D - L4012 S	0	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
13:00 - 13:15	From	A - R448 W	0	0	6	0
		B - L4012 N	0	0	50	0
		C - R448 E	6	40	0	0
		D - L4012 S	0	0	29	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
13:15 - 13:30	From	A - R448 W	0	0	7	0
		B - L4012 N	50	0	0	0
		C - R448 E	4	0	0	0
		D - L4012 S	0	0	50	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
13:30 - 13:45	From	A - R448 W	0	0	4	0
		B - L4012 N	0	0	0	0
		C - R448 E	1	0	0	0
		D - L4012 S	0	0	60	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
13:45 - 14:00	From	A - R448 W	0	0	9	0
		B - L4012 N	15	0	0	0
		C - R448 E	2	0	0	0
		D - L4012 S	100	0	20	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
14:00 - 14:15	From	A - R448 W	0	0	6	0
		B - L4012 N	0	0	0	0
		C - R448 E	8	50	0	0
		D - L4012 S	50	0	50	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
14:15 - 14:30	From	A - R448 W	0	0	5	0
		B - L4012 N	0	0	0	0
		C - R448 E	12	0	0	0
		D - L4012 S	0	0	50	0

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**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
14:30 - 14:45	From	A - R448 W	0	0	3	0
		B - L4012 N	20	0	0	0
		C - R448 E	8	25	0	0
		D - L4012 S	0	0	0	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
14:45 - 15:00	From	A - R448 W	0	13	4	0
		B - L4012 N	0	0	0	0
		C - R448 E	4	0	0	0
		D - L4012 S	0	0	100	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
15:00 - 15:15	From	A - R448 W	0	29	10	0
		B - L4012 N	0	0	0	0
		C - R448 E	7	20	0	0
		D - L4012 S	0	0	50	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
15:15 - 15:30	From	A - R448 W	0	0	5	0
		B - L4012 N	0	0	0	0
		C - R448 E	5	15	0	0
		D - L4012 S	100	0	50	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
15:30 - 15:45	From	A - R448 W	0	0	7	0
		B - L4012 N	17	0	25	0
		C - R448 E	5	20	0	0
		D - L4012 S	0	0	50	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
15:45 - 16:00	From	A - R448 W	0	0	7	0
		B - L4012 N	15	0	0	0
		C - R448 E	2	0	0	0
		D - L4012 S	0	0	0	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
16:00 - 16:15	From	A - R448 W	0	0	7	0
		B - L4012 N	0	0	13	0
		C - R448 E	5	15	0	0
		D - L4012 S	0	0	50	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
16:15 - 16:30	From	A - R448 W	0	0	3	0
		B - L4012 N	0	0	17	0
		C - R448 E	5	13	0	0
		D - L4012 S	0	0	43	0

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Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
16:30 - 16:45	From	A - R448 W	0	0	1	0
		B - L4012 N	0	0	0	0
		C - R448 E	1	0	0	0
		D - L4012 S	0	0	75	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
16:45 - 17:00	From	A - R448 W	0	0	4	0
		B - L4012 N	0	0	0	0
		C - R448 E	5	17	0	0
		D - L4012 S	0	0	13	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
17:00 - 17:15	From	A - R448 W	0	0	2	0
		B - L4012 N	0	0	0	0
		C - R448 E	2	0	0	0
		D - L4012 S	100	0	75	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
17:15 - 17:30	From	A - R448 W	0	9	2	0
		B - L4012 N	0	0	0	0
		C - R448 E	2	0	0	0
		D - L4012 S	0	0	43	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
17:30 - 17:45	From	A - R448 W	0	0	2	0
		B - L4012 N	0	0	0	0
		C - R448 E	4	0	0	0
		D - L4012 S	100	0	67	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
17:45 - 18:00	From	A - R448 W	0	0	3	0
		B - L4012 N	0	0	0	0
		C - R448 E	3	0	0	0
		D - L4012 S	50	0	25	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
18:00 - 18:15	From	A - R448 W	0	0	0	0
		B - L4012 N	0	0	0	0
		C - R448 E	2	13	0	0
		D - L4012 S	0	0	25	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
18:15 - 18:30	From	A - R448 W	0	0	1	0
		B - L4012 N	0	0	0	0
		C - R448 E	1	0	0	0
		D - L4012 S	0	0	0	0

RECEIVED: 29/10/2025

### Heavy Vehicle Percentages

18:30 - 18:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0	20	2	0
	B - L4012 N	0	0	0	0
	C - R448 E	1	0	0	0
	D - L4012 S	0	0	0	0

### Heavy Vehicle Percentages

18:45 - 19:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0	0	2	0
	B - L4012 N	0	0	0	0
	C - R448 E	2	0	0	0
	D - L4012 S	0	0	0	0

RECEIVED: 29/10/2025

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/TS)	Total Junction Arrivals (Veh)
B-C	0.12	10.02	0.1	B	3.32	159.41
B-AD	0.10	12.56	0.1	B	4.30	206.21
A-BCD	0.00	0.00	0.0	A	0.00	0.00
A-B					4.34	208.20
A-C					87.89	4218.63
D-A	0.03	11.62	0.0	B	1.24	59.36
D-BC	0.14	12.53	0.2	B	5.45	261.39
C-ABD	0.12	6.20	0.3	A	7.82	375.20
C-D					0.00	0.00
C-A					90.32	4335.19

### Main Results for each time segment

07:00 - 07:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	6.12	6.12	143.81	0.043	6.07	0.0	0.0	6.532	A
B-AD	0.00	0.00	92.38	0.000	0.00	0.0	0.0	0.000	A
A-BCD	0.00	0.00	170.62	0.000	0.00	0.0	0.0	0.000	A
A-B	1.02	1.02			1.02				
A-C	126.50	126.50			126.50				
D-A	0.00	0.00	185.61	0.000	0.00	0.0	0.0	0.000	A
D-BC	8.23	8.23	101.96	0.081	8.14	0.0	0.1	9.584	A
C-ABD	2.56	2.56	169.50	0.015	2.55	0.0	0.0	5.390	A
C-D	0.00	0.00			0.00				
C-A	34.18	34.18			34.18				

07:15 - 07:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	5.10	5.10	146.53	0.035	5.11	0.0	0.0	6.366	A
B-AD	2.04	2.04	100.02	0.020	2.02	0.0	0.0	9.181	A
A-BCD	0.00	0.00	162.68	0.000	0.00	0.0	0.0	0.000	A
A-B	1.02	1.02			1.02				
A-C	93.96	93.96			93.96				
D-A	3.08	3.08	136.30	0.023	3.05	0.0	0.0	6.754	A
D-BC	7.19	7.19	103.03	0.070	7.20	0.1	0.1	9.655	A
C-ABD	2.97	2.97	190.44	0.016	2.97	0.0	0.0	4.755	A
C-D	0.00	0.00			0.00				
C-A	58.32	58.32			58.32				

07:30 - 07:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.08	3.08	110.55	0.028	3.09	0.0	0.0	7.049	A
B-AD	4.08	4.08	103.17	0.040	4.06	0.0	0.0	9.077	A
A-BCD	0.00	0.00	161.45	0.000	0.00	0.0	0.0	0.000	A
A-B	0.00	0.00			0.00				
A-C	103.03	103.03			103.03				
D-A	2.04	2.04	175.10	0.012	2.05	0.0	0.0	6.246	A
D-BC	11.25	11.25	123.97	0.091	11.22	0.1	0.1	6.690	A
C-ABD	4.37	4.37	134.57	0.033	4.35	0.0	0.0	6.035	A
C-D	0.00	0.00			0.00				
C-A	68.10	68.10			68.10				

07:45 - 08:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	11.25	11.25	121.89	0.092	11.17	0.0	0.1	8.369	A
B-AD	4.10	4.10	74.53	0.055	4.09	0.0	0.1	11.444	B
A-BCD	0.00	0.00	153.63	0.000	0.00	0.0	0.0	0.000	A
A-B	1.02	1.02			1.02				
A-C	107.10	107.10			107.10				
D-A	2.06	2.06	114.60	0.018	2.06	0.0	0.0	6.656	A
D-BC	5.13	5.13	95.75	0.054	5.19	0.1	0.1	8.850	A
C-ABD	5.85	5.85	219.04	0.027	5.84	0.0	0.0	5.058	A
C-D	0.00	0.00			0.00				
C-A	101.31	101.31			101.31				

08:00 - 08:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	6.14	6.14	124.03	0.049	6.19	0.1	0.1	7.708	A
B-AD	6.12	6.12	94.77	0.064	6.09	0.1	0.1	11.229	B
A-BCD	0.00	0.00	153.29	0.000	0.00	0.0	0.0	0.000	A
A-B	2.04	2.04			2.04				
A-C	114.37	114.37			114.37				
D-A	0.00	0.00	112.90	0.000	0.02	0.0	0.0	0.000	A
D-BC	5.10	5.10	133.76	0.038	5.10	0.1	0.0	8.446	A
C-ABD	8.60	8.60	191.61	0.045	8.58	0.0	0.1	4.695	A
C-D	0.00	0.00			0.00				
C-A	95.52	95.52			95.52				

08:15 - 08:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.04	2.04	129.65	0.016	2.07	0.1	0.0	7.933	A
B-AD	5.12	5.12	69.90	0.073	5.12	0.1	0.1	12.559	B
A-BCD	0.00	0.00	135.87	0.000	0.00	0.0	0.0	0.000	A
A-B	3.08	3.08			3.08				
A-C	125.53	125.53			125.53				
D-A	0.00	0.00	135.58	0.000	0.00	0.0	0.0	0.000	A
D-BC	12.31	12.31	88.24	0.140	12.21	0.0	0.1	10.831	B
C-ABD	7.21	7.21	215.23	0.034	7.23	0.1	0.0	4.266	A
C-D	0.00	0.00			0.00				
C-A	147.93	147.93			147.93				

08:30 - 08:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	14.31	14.31	122.91	0.116	14.20	0.0	0.1	8.124	A
B-AD	6.12	6.12	85.77	0.071	6.11	0.1	0.1	12.396	B
A-BCD	0.00	0.00	139.81	0.000	0.00	0.0	0.0	0.000	A
A-B	8.18	8.18			8.18				
A-C	111.24	111.24			111.24				
D-A	2.04	2.04	157.81	0.013	2.02	0.0	0.0	7.264	A
D-BC	11.23	11.23	112.88	0.099	11.26	0.1	0.1	9.993	A
C-ABD	4.85	4.85	236.70	0.020	4.87	0.0	0.0	4.205	A
C-D	0.00	0.00			0.00				
C-A	133.97	133.97			133.97				

08:45 - 09:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	7.14	7.14	147.77	0.048	7.21	0.1	0.1	7.044	A
B-AD	6.15	6.15	74.97	0.082	6.16	0.1	0.1	11.349	B
A-BCD	0.00	0.00	145.80	0.000	0.00	0.0	0.0	0.000	A
A-B	1.02	1.02			1.02				
A-C	85.73	85.73			85.73				
D-A	2.04	2.04	163.09	0.013	2.04	0.0	0.0	5.590	A
D-BC	10.20	10.20	133.44	0.076	10.24	0.1	0.1	7.682	A
C-ABD	12.74	12.74	233.83	0.054	12.68	0.0	0.1	4.035	A
C-D	0.00	0.00			0.00				
C-A	114.81	114.81			114.81				

09:00 - 09:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	7.14	7.14	149.74	0.048	7.14	0.1	0.1	6.311	A
B-AD	3.06	3.06	96.26	0.032	3.10	0.1	0.0	11.828	B
A-BCD	0.00	0.00	135.51	0.000	0.00	0.0	0.0	0.000	A
A-B	1.04	1.04			1.04				
A-C	86.71	86.71			86.71				
D-A	3.08	3.08	132.02	0.023	3.07	0.0	0.0	6.269	A
D-BC	4.10	4.10	110.00	0.037	4.15	0.1	0.0	7.270	A
C-ABD	12.39	12.39	205.02	0.060	12.39	0.1	0.1	4.459	A
C-D	0.00	0.00			0.00				
C-A	96.86	96.86			96.86				

09:15 - 09:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.06	3.06	143.42	0.021	3.09	0.1	0.0	6.416	A
B-AD	6.12	6.12	100.20	0.061	6.09	0.0	0.1	9.562	A
A-BCD	0.00	0.00	142.98	0.000	0.00	0.0	0.0	0.000	A
A-B	5.10	5.10			5.10				
A-C	84.76	84.76			84.76				
D-A	2.04	2.04	168.19	0.012	2.05	0.0	0.0	6.508	A
D-BC	8.18	8.18	122.21	0.067	8.14	0.0	0.1	8.200	A
C-ABD	1.98	1.98	221.90	0.009	2.06	0.1	0.0	4.445	A
C-D	0.00	0.00			0.00				
C-A	104.13	104.13			104.13				

09:30 - 09:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.10	3.10	94.25	0.033	3.09	0.0	0.0	7.873	A
B-AD	3.06	3.06	99.69	0.031	3.09	0.1	0.0	9.320	A
A-BCD	0.00	0.00	130.29	0.000	0.00	0.0	0.0	0.000	A
A-B	1.04	1.04			1.04				
A-C	72.58	72.58			72.58				
D-A	1.02	1.02	166.45	0.006	1.03	0.0	0.0	5.440	A
D-BC	8.23	8.23	93.10	0.089	8.22	0.1	0.1	9.187	A
C-ABD	3.87	3.87	222.78	0.017	3.86	0.0	0.0	4.079	A
C-D	0.00	0.00			0.00				
C-A	103.35	103.35			103.35				

09:45 - 10:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.06	2.06	97.88	0.021	2.06	0.0	0.0	10.015	B
B-AD	4.08	4.08	104.32	0.039	4.07	0.0	0.0	8.978	A
A-BCD	0.00	0.00	141.37	0.000	0.00	0.0	0.0	0.000	A
A-B	2.04	2.04			2.04				
A-C	79.68	79.68			79.68				
D-A	2.06	2.06	111.16	0.019	2.05	0.0	0.0	7.323	A
D-BC	11.33	11.33	91.15	0.124	11.27	0.1	0.1	11.105	B
C-ABD	1.77	1.77	206.23	0.009	1.78	0.0	0.0	4.282	A
C-D	0.00	0.00			0.00				
C-A	86.21	86.21			86.21				

10:00 - 10:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.04	2.04	156.38	0.013	2.05	0.0	0.0	7.290	A
B-AD	2.04	2.04	109.44	0.019	2.06	0.0	0.0	8.384	A
A-BCD	0.00	0.00	146.99	0.000	0.00	0.0	0.0	0.000	A
A-B	4.08	4.08			4.08				
A-C	62.35	62.35			62.35				
D-A	0.00	0.00	114.42	0.000	0.02	0.0	0.0	0.000	A
D-BC	4.08	4.08	142.41	0.028	4.18	0.1	0.0	9.093	A
C-ABD	0.00	0.00	149.41	0.000	0.01	0.0	0.0	0.000	A
C-D	0.00	0.00			0.00				
C-A	90.93	90.93			90.93				

10:15 - 10:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	136.73	0.000	0.02	0.0	0.0	0.000	A
B-AD	7.14	7.14	110.11	0.065	7.09	0.0	0.1	8.733	A
A-BCD	0.00	0.00	153.59	0.000	0.00	0.0	0.0	0.000	A
A-B	3.06	3.06			3.06				
A-C	75.58	75.58			75.58				
D-A	1.02	1.02	178.90	0.006	1.01	0.0	0.0	6.778	A
D-BC	2.06	2.06	97.73	0.021	2.08	0.0	0.0	7.329	A
C-ABD	1.59	1.59	204.51	0.008	1.58	0.0	0.0	4.550	A
C-D	0.00	0.00			0.00				
C-A	72.95	72.95			72.95				

10:30 - 10:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	141.49	0.000	0.00	0.0	0.0	0.000	A
B-AD	2.04	2.04	113.05	0.018	2.09	0.1	0.0	8.115	A
A-BCD	0.00	0.00	154.88	0.000	0.00	0.0	0.0	0.000	A
A-B	2.04	2.04			2.04				
A-C	58.32	58.32			58.32				
D-A	1.02	1.02	191.46	0.005	1.02	0.0	0.0	4.727	A
D-BC	1.02	1.02	144.07	0.007	1.03	0.0	0.0	8.364	A
C-ABD	3.66	3.66	159.18	0.023	3.64	0.0	0.0	5.379	A
C-D	0.00	0.00			0.00				
C-A	67.89	67.89			67.89				

10:45 - 11:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	8.23	8.23	106.67	0.077	8.15	0.0	0.1	8.474	A
B-AD	1.02	1.02	101.73	0.010	1.03	0.0	0.0	8.939	A
A-BCD	0.00	0.00	156.49	0.000	0.00	0.0	0.0	0.000	A
A-B	2.04	2.04			2.04				
A-C	56.21	56.21			56.21				
D-A	2.04	2.04	192.09	0.011	2.03	0.0	0.0	4.735	A
D-BC	2.04	2.04	146.54	0.014	2.03	0.0	0.0	6.227	A
C-ABD	4.70	4.70	208.30	0.023	4.69	0.0	0.0	5.026	A
C-D	0.00	0.00			0.00				
C-A	70.83	70.83			70.83				

11:00 - 11:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.04	2.04	148.65	0.013	2.10	0.1	0.0	8.518	A
B-AD	5.10	5.10	112.67	0.045	5.06	0.0	0.0	8.360	A
A-BCD	0.00	0.00	159.69	0.000	0.00	0.0	0.0	0.000	A
A-B	5.10	5.10			5.10				
A-C	55.10	55.10			55.10				
D-A	1.02	1.02	184.73	0.006	1.02	0.0	0.0	4.898	A
D-BC	2.04	2.04	152.11	0.013	2.04	0.0	0.0	5.998	A
C-ABD	7.42	7.42	143.28	0.052	7.39	0.0	0.1	5.826	A
C-D	0.00	0.00			0.00				
C-A	60.02	60.02			60.02				

11:15 - 11:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.08	3.08	111.90	0.028	3.07	0.0	0.0	7.429	A
B-AD	4.12	4.12	76.55	0.054	4.12	0.0	0.0	10.053	B
A-BCD	0.00	0.00	161.05	0.000	0.00	0.0	0.0	0.000	A
A-B	4.08	4.08			4.08				
A-C	70.50	70.50			70.50				
D-A	0.00	0.00	180.39	0.000	0.01	0.0	0.0	0.000	A
D-BC	5.13	5.13	109.57	0.047	5.10	0.0	0.0	7.883	A
C-ABD	2.91	2.91	193.23	0.015	2.95	0.1	0.0	6.196	A
C-D	0.00	0.00			0.00				
C-A	56.27	56.27			56.27				

11:30 - 11:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.06	3.06	143.01	0.021	3.06	0.0	0.0	7.523	A
B-AD	7.16	7.16	95.02	0.075	7.11	0.0	0.1	11.486	B
A-BCD	0.00	0.00	160.81	0.000	0.00	0.0	0.0	0.000	A
A-B	9.18	9.18			9.18				
A-C	77.57	77.57			77.57				
D-A	0.00	0.00	179.49	0.000	0.00	0.0	0.0	0.000	A
D-BC	5.10	5.10	150.21	0.034	5.10	0.0	0.0	7.485	A
C-ABD	4.36	4.36	192.59	0.023	4.36	0.0	0.0	4.742	A
C-D	0.00	0.00			0.00				
C-A	55.91	55.91			55.91				

11:45 - 12:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.04	2.04	149.66	0.014	2.05	0.0	0.0	6.097	A
B-AD	3.06	3.06	113.68	0.027	3.12	0.1	0.0	8.959	A
A-BCD	0.00	0.00	162.76	0.000	0.00	0.0	0.0	0.000	A
A-B	4.08	4.08			4.08				
A-C	79.68	79.68			79.68				
D-A	2.06	2.06	135.55	0.015	2.04	0.0	0.0	5.982	A
D-BC	1.02	1.02	138.71	0.007	1.05	0.0	0.0	6.541	A
C-ABD	4.26	4.26	192.21	0.022	4.26	0.0	0.0	4.829	A
C-D	0.00	0.00			0.00				
C-A	52.89	52.89			52.89				

12:00 - 12:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	138.92	0.000	0.01	0.0	0.0	0.000	A
B-AD	3.06	3.06	112.05	0.027	3.06	0.0	0.0	8.258	A
A-BCD	0.00	0.00	159.91	0.000	0.00	0.0	0.0	0.000	A
A-B	4.08	4.08			4.08				
A-C	69.47	69.47			69.47				
D-A	1.02	1.02	178.66	0.006	1.03	0.0	0.0	6.742	A
D-BC	4.10	4.10	121.18	0.034	4.07	0.0	0.0	7.365	A
C-ABD	2.00	2.00	130.73	0.015	2.02	0.0	0.0	5.312	A
C-D	0.00	0.00			0.00				
C-A	61.36	61.36			61.36				

12:15 - 12:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.04	2.04	147.47	0.014	2.03	0.0	0.0	6.187	A
B-AD	4.08	4.08	109.06	0.037	4.07	0.0	0.0	8.570	A
A-BCD	0.00	0.00	160.19	0.000	0.00	0.0	0.0	0.000	A
A-B	2.04	2.04			2.04				
A-C	75.58	75.58			75.58				
D-A	5.10	5.10	198.22	0.026	5.08	0.0	0.0	4.659	A
D-BC	3.08	3.08	105.52	0.029	3.08	0.0	0.0	8.467	A
C-ABD	0.00	0.00	101.14	0.000	0.01	0.0	0.0	0.000	A
C-D	0.00	0.00			0.00				
C-A	63.29	63.29			63.29				

12:30 - 12:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.06	2.06	102.84	0.020	2.05	0.0	0.0	7.430	A
B-AD	1.02	1.02	105.55	0.010	1.05	0.0	0.0	8.616	A
A-BCD	0.00	0.00	157.42	0.000	0.00	0.0	0.0	0.000	A
A-B	5.12	5.12			5.12				
A-C	65.37	65.37			65.37				
D-A	2.04	2.04	182.04	0.011	2.05	0.0	0.0	5.000	A
D-BC	4.13	4.13	87.51	0.047	4.12	0.0	0.0	9.666	A
C-ABD	2.95	2.95	198.11	0.015	2.93	0.0	0.0	5.640	A
C-D	0.00	0.00			0.00				
C-A	60.34	60.34			60.34				

12:45 - 13:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	1.02	1.02	140.77	0.007	1.03	0.0	0.0	8.563	A
B-AD	3.06	3.06	106.00	0.029	3.04	0.0	0.0	8.741	A
A-BCD	0.00	0.00	157.98	0.000	0.00	0.0	0.0	0.000	A
A-B	5.10	5.10			5.10				
A-C	93.87	93.87			93.87				
D-A	0.00	0.00	178.41	0.000	0.01	0.0	0.0	0.000	A
D-BC	3.06	3.06	145.44	0.021	3.07	0.0	0.0	9.046	A
C-ABD	0.00	0.00	152.29	0.000	0.02	0.0	0.0	0.000	A
C-D	0.00	0.00			0.00				
C-A	71.45	71.45			71.45				

13:00 - 13:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.06	2.06	106.73	0.019	2.05	0.0	0.0	7.637	A
B-AD	2.04	2.04	104.20	0.020	2.05	0.0	0.0	8.810	A
A-BCD	0.00	0.00	154.39	0.000	0.00	0.0	0.0	0.000	A
A-B	5.10	5.10			5.10				
A-C	64.31	64.31			64.31				
D-A	0.00	0.00	171.44	0.000	0.00	0.0	0.0	0.000	A
D-BC	7.17	7.17	113.40	0.063	7.14	0.0	0.1	7.873	A
C-ABD	10.47	10.47	182.34	0.057	10.38	0.0	0.1	5.029	A
C-D	0.00	0.00			0.00				
C-A	87.55	87.55			87.55				

13:15 - 13:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	91.15	0.000	0.02	0.0	0.0	0.000	A
B-AD	4.12	4.12	71.99	0.057	4.08	0.0	0.1	11.718	B
A-BCD	0.00	0.00	155.78	0.000	0.00	0.0	0.0	0.000	A
A-B	7.14	7.14			7.14				
A-C	70.45	70.45			70.45				
D-A	0.00	0.00	172.31	0.000	0.00	0.0	0.0	0.000	A
D-BC	8.19	8.19	116.36	0.070	8.18	0.1	0.1	8.436	A
C-ABD	6.87	6.87	212.18	0.032	6.91	0.1	0.1	4.948	A
C-D	0.00	0.00			0.00				
C-A	82.92	82.92			82.92				

13:30 - 13:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	121.89	0.000	0.00	0.0	0.0	0.000	A
B-AD	4.08	4.08	108.26	0.037	4.08	0.1	0.0	10.861	B
A-BCD	0.00	0.00	157.92	0.000	0.00	0.0	0.0	0.000	A
A-B	1.02	1.02			1.02				
A-C	77.55	77.55			77.55				
D-A	2.04	2.04	175.64	0.012	2.03	0.0	0.0	5.183	A
D-BC	5.15	5.15	91.91	0.056	5.18	0.1	0.1	8.945	A
C-ABD	1.70	1.70	212.63	0.008	1.74	0.1	0.0	4.302	A
C-D	0.00	0.00			0.00				
C-A	82.95	82.95			82.95				

13:45 - 14:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.06	3.06	144.09	0.021	3.03	0.0	0.0	7.706	A
B-AD	7.16	7.16	92.09	0.078	7.13	0.0	0.1	10.074	B
A-BCD	0.00	0.00	154.13	0.000	0.00	0.0	0.0	0.000	A
A-B	3.06	3.06			3.06				
A-C	71.49	71.49			71.49				
D-A	1.04	1.04	87.42	0.012	1.04	0.0	0.0	6.980	A
D-BC	5.12	5.12	117.88	0.043	5.12	0.1	0.1	9.355	A
C-ABD	7.13	7.13	219.49	0.032	7.10	0.0	0.0	4.234	A
C-D	0.00	0.00			0.00				
C-A	90.80	90.80			90.80				

14:00 - 14:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	136.10	0.000	0.03	0.0	0.0	0.000	A
B-AD	4.08	4.08	107.49	0.038	4.11	0.1	0.0	9.520	A
A-BCD	0.00	0.00	158.71	0.000	0.00	0.0	0.0	0.000	A
A-B	5.10	5.10			5.10				
A-C	84.73	84.73			84.73				
D-A	2.06	2.06	125.96	0.016	2.05	0.0	0.0	8.069	A
D-BC	2.06	2.06	93.84	0.022	2.09	0.1	0.0	8.425	A
C-ABD	3.83	3.83	159.97	0.024	3.85	0.0	0.0	4.901	A
C-D	0.00	0.00			0.00				
C-A	71.75	71.75			71.75				

14:15 - 14:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.06	3.06	149.50	0.020	3.04	0.0	0.0	6.145	A
B-AD	4.08	4.08	109.83	0.037	4.08	0.0	0.0	8.512	A
A-BCD	0.00	0.00	159.89	0.000	0.00	0.0	0.0	0.000	A
A-B	5.10	5.10			5.10				
A-C	79.61	79.61			79.61				
D-A	2.04	2.04	176.36	0.012	2.04	0.0	0.0	6.462	A
D-BC	6.17	6.17	98.62	0.063	6.13	0.0	0.1	9.725	A
C-ABD	4.65	4.65	197.80	0.023	4.64	0.0	0.0	5.207	A
C-D	0.00	0.00			0.00				
C-A	65.86	65.86			65.86				

14:30 - 14:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	1.02	1.02	140.98	0.007	1.03	0.0	0.0	6.430	A
B-AD	5.12	5.12	90.11	0.057	5.10	0.0	0.1	9.764	A
A-BCD	0.00	0.00	157.23	0.000	0.00	0.0	0.0	0.000	A
A-B	2.04	2.04			2.04				
A-C	74.47	74.47			74.47				
D-A	0.00	0.00	173.85	0.000	0.01	0.0	0.0	0.000	A
D-BC	5.10	5.10	145.61	0.035	5.12	0.1	0.0	8.204	A
C-ABD	7.41	7.41	185.53	0.040	7.39	0.0	0.1	4.827	A
C-D	0.00	0.00			0.00				
C-A	79.39	79.39			79.39				

14:45 - 15:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.04	2.04	143.70	0.014	2.03	0.0	0.0	6.352	A
B-AD	7.14	7.14	108.19	0.066	7.12	0.1	0.1	9.698	A
A-BCD	0.00	0.00	155.48	0.000	0.00	0.0	0.0	0.000	A
A-B	8.18	8.18			8.18				
A-C	71.43	71.43			71.43				
D-A	1.02	1.02	179.92	0.006	1.01	0.0	0.0	5.030	A
D-BC	1.04	1.04	73.56	0.014	1.08	0.0	0.0	7.377	A
C-ABD	6.67	6.67	211.18	0.032	6.67	0.1	0.0	4.770	A
C-D	0.00	0.00			0.00				
C-A	79.04	79.04			79.04				

15:00 - 15:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.06	3.06	144.10	0.021	3.05	0.0	0.0	6.380	A
B-AD	4.08	4.08	100.42	0.041	4.11	0.1	0.0	9.349	A
A-BCD	0.00	0.00	147.74	0.000	0.00	0.0	0.0	0.000	A
A-B	7.17	7.17			7.17				
A-C	101.13	101.13			101.13				
D-A	1.02	1.02	172.06	0.006	1.02	0.0	0.0	5.261	A
D-BC	4.10	4.10	108.97	0.038	4.06	0.0	0.0	9.641	A
C-ABD	10.07	10.07	191.47	0.053	10.04	0.0	0.1	4.742	A
C-D	0.00	0.00			0.00				
C-A	88.96	88.96			88.96				

15:15 - 15:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.06	3.06	158.04	0.019	3.06	0.0	0.0	5.806	A
B-AD	2.04	2.04	99.05	0.021	2.06	0.0	0.0	9.282	A
A-BCD	0.00	0.00	147.16	0.000	0.00	0.0	0.0	0.000	A
A-B	8.16	8.16			8.16				
A-C	77.57	77.57			77.57				
D-A	2.08	2.08	87.10	0.024	2.06	0.0	0.0	8.817	A
D-BC	4.10	4.10	107.49	0.038	4.10	0.0	0.0	8.705	A
C-ABD	15.41	15.41	215.94	0.071	15.36	0.1	0.1	4.555	A
C-D	0.00	0.00			0.00				
C-A	107.08	107.08			107.08				

15:30 - 15:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	4.10	4.10	114.58	0.036	4.08	0.0	0.0	7.425	A
B-AD	6.14	6.14	87.45	0.070	6.09	0.0	0.1	10.632	B
A-BCD	0.00	0.00	153.33	0.000	0.00	0.0	0.0	0.000	A
A-B	4.08	4.08			4.08				
A-C	100.06	100.06			100.06				
D-A	1.02	1.02	168.39	0.006	1.03	0.0	0.0	8.846	A
D-BC	5.13	5.13	99.37	0.052	5.12	0.0	0.1	9.077	A
C-ABD	9.75	9.75	190.23	0.051	9.80	0.1	0.1	4.900	A
C-D	0.00	0.00			0.00				
C-A	85.17	85.17			85.17				

15:45 - 16:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	4.08	4.08	146.80	0.028	4.08	0.0	0.0	7.119	A
B-AD	7.16	7.16	93.12	0.077	7.14	0.1	0.1	10.575	B
A-BCD	0.00	0.00	155.21	0.000	0.00	0.0	0.0	0.000	A
A-B	6.12	6.12			6.12				
A-C	73.51	73.51			73.51				
D-A	0.00	0.00	174.85	0.000	0.01	0.0	0.0	0.000	A
D-BC	1.02	1.02	142.48	0.007	1.06	0.1	0.0	8.371	A
C-ABD	5.13	5.13	214.05	0.024	5.17	0.1	0.0	4.641	A
C-D	0.00	0.00			0.00				
C-A	83.62	83.62			83.62				

16:00 - 16:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	8.18	8.18	128.64	0.064	8.14	0.0	0.1	7.172	A
B-AD	3.06	3.06	89.52	0.034	3.10	0.1	0.0	11.473	B
A-BCD	0.00	0.00	150.85	0.000	0.00	0.0	0.0	0.000	A
A-B	4.08	4.08			4.08				
A-C	107.20	107.20			107.20				
D-A	0.00	0.00	168.14	0.000	0.00	0.0	0.0	0.000	A
D-BC	4.10	4.10	106.65	0.038	4.07	0.0	0.0	8.409	A
C-ABD	15.21	15.21	208.48	0.073	15.11	0.0	0.1	4.558	A
C-D	0.00	0.00			0.00				
C-A	102.17	102.17			102.17				

16:15 - 16:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	6.14	6.14	128.52	0.048	6.15	0.1	0.0	7.201	A
B-AD	5.10	5.10	94.41	0.054	5.08	0.0	0.1	10.075	B
A-BCD	0.00	0.00	151.52	0.000	0.00	0.0	0.0	0.000	A
A-B	8.16	8.16			8.16				
A-C	98.97	98.97			98.97				
D-A	3.06	3.06	168.17	0.018	3.04	0.0	0.0	5.450	A
D-BC	7.19	7.19	93.31	0.077	7.15	0.0	0.1	9.937	A
C-ABD	17.12	17.12	209.82	0.082	17.09	0.1	0.2	4.638	A
C-D	0.00	0.00			0.00				
C-A	100.25	100.25			100.25				

16:30 - 16:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.06	3.06	134.93	0.023	3.08	0.0	0.0	7.596	A
B-AD	9.18	9.18	93.02	0.099	9.13	0.1	0.1	10.720	B
A-BCD	0.00	0.00	147.11	0.000	0.00	0.0	0.0	0.000	A
A-B	5.10	5.10			5.10				
A-C	103.01	103.01			103.01				
D-A	0.00	0.00	159.01	0.000	0.02	0.0	0.0	0.000	A
D-BC	8.27	8.27	73.36	0.113	8.23	0.1	0.1	12.526	B
C-ABD	9.33	9.33	239.31	0.039	9.42	0.2	0.1	4.126	A
C-D	0.00	0.00			0.00				
C-A	128.35	128.35			128.35				

16:45 - 17:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.04	2.04	138.45	0.015	2.05	0.0	0.0	6.598	A
B-AD	3.06	3.06	93.40	0.033	3.13	0.1	0.0	9.979	A
A-BCD	0.00	0.00	151.53	0.000	0.00	0.0	0.0	0.000	A
A-B	5.10	5.10			5.10				
A-C	123.47	123.47			123.47				
D-A	1.02	1.02	164.73	0.006	1.01	0.0	0.0	5.496	A
D-BC	11.23	11.23	118.23	0.094	11.22	0.1	0.1	10.781	B
C-ABD	13.81	13.81	206.17	0.067	13.76	0.1	0.1	4.504	A
C-D	0.00	0.00			0.00				
C-A	106.62	106.62			106.62				

17:00 - 17:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.06	3.06	132.89	0.023	3.05	0.0	0.0	6.931	A
B-AD	7.14	7.14	87.13	0.082	7.08	0.0	0.1	11.237	B
A-BCD	0.00	0.00	148.50	0.000	0.00	0.0	0.0	0.000	A
A-B	7.14	7.14			7.14				
A-C	129.56	129.56			129.56				
D-A	1.04	1.04	81.65	0.013	1.03	0.0	0.0	8.396	A
D-BC	6.17	6.17	83.20	0.075	6.24	0.1	0.1	9.558	A
C-ABD	18.31	18.31	230.59	0.079	18.27	0.1	0.2	4.407	A
C-D	0.00	0.00			0.00				
C-A	117.36	117.36			117.36				

17:15 - 17:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	1.02	1.02	126.54	0.008	1.03	0.0	0.0	7.173	A
B-AD	4.08	4.08	84.02	0.049	4.12	0.1	0.1	11.267	B
A-BCD	0.00	0.00	146.32	0.000	0.00	0.0	0.0	0.000	A
A-B	11.23	11.23			11.23				
A-C	144.85	144.85			144.85				
D-A	0.00	0.00	80.40	0.000	0.01	0.0	0.0	0.000	A
D-BC	7.19	7.19	84.14	0.085	7.16	0.1	0.1	11.981	B
C-ABD	12.16	12.16	231.44	0.053	12.24	0.2	0.1	4.109	A
C-D	0.00	0.00			0.00				
C-A	126.57	126.57			126.57				

17:30 - 17:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.06	3.06	134.21	0.023	3.04	0.0	0.0	6.861	A
B-AD	8.16	8.16	87.15	0.094	8.11	0.1	0.1	11.378	B
A-BCD	0.00	0.00	143.35	0.000	0.00	0.0	0.0	0.000	A
A-B	4.08	4.08			4.08				
A-C	116.28	116.28			116.28				
D-A	1.04	1.04	78.47	0.013	1.02	0.0	0.0	11.620	B
D-BC	6.19	6.19	73.08	0.085	6.20	0.1	0.1	12.370	B
C-ABD	22.75	22.75	244.98	0.093	22.65	0.1	0.2	4.037	A
C-D	0.00	0.00			0.00				
C-A	132.34	132.34			132.34				

17:45 - 18:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.04	2.04	136.34	0.015	2.05	0.0	0.0	6.704	A
B-AD	4.08	4.08	82.52	0.049	4.13	0.1	0.1	11.489	B
A-BCD	0.00	0.00	141.11	0.000	0.00	0.0	0.0	0.000	A
A-B	6.12	6.12			6.12				
A-C	125.50	125.50			125.50				
D-A	2.06	2.06	105.54	0.019	2.05	0.0	0.0	9.657	A
D-BC	5.12	5.12	94.69	0.054	5.13	0.1	0.1	12.255	B
C-ABD	30.87	30.87	253.91	0.122	30.77	0.2	0.3	4.037	A
C-D	0.00	0.00			0.00				
C-A	141.55	141.55			141.55				

18:00 - 18:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	133.68	0.000	0.02	0.0	0.0	0.000	A
B-AD	3.06	3.06	95.46	0.032	3.08	0.1	0.0	9.745	A
A-BCD	0.00	0.00	148.45	0.000	0.00	0.0	0.0	0.000	A
A-B	7.14	7.14			7.14				
A-C	99.93	99.93			99.93				
D-A	3.06	3.06	166.24	0.018	3.06	0.0	0.0	6.634	A
D-BC	5.12	5.12	105.92	0.048	5.14	0.1	0.1	8.931	A
C-ABD	19.91	19.91	229.85	0.087	20.03	0.3	0.2	4.188	A
C-D	0.00	0.00			0.00				
C-A	122.90	122.90			122.90				

18:15 - 18:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.04	2.04	152.76	0.013	2.03	0.0	0.0	5.970	A
B-AD	3.06	3.06	106.66	0.029	3.06	0.0	0.0	8.689	A
A-BCD	0.00	0.00	149.69	0.000	0.00	0.0	0.0	0.000	A
A-B	5.10	5.10			5.10				
A-C	72.42	72.42			72.42				
D-A	1.02	1.02	176.84	0.006	1.04	0.0	0.0	5.121	A
D-BC	1.02	1.02	129.24	0.008	1.06	0.1	0.0	8.144	A
C-ABD	8.83	8.83	244.52	0.036	8.94	0.2	0.1	3.974	A
C-D	0.00	0.00			0.00				
C-A	125.79	125.79			125.79				

18:30 - 18:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.06	3.06	159.60	0.019	3.05	0.0	0.0	5.748	A
B-AD	0.00	0.00	96.23	0.000	0.03	0.0	0.0	0.000	A
A-BCD	0.00	0.00	151.01	0.000	0.00	0.0	0.0	0.000	A
A-B	5.12	5.12			5.12				
A-C	67.32	67.32			67.32				
D-A	0.00	0.00	170.92	0.000	0.01	0.0	0.0	0.000	A
D-BC	2.04	2.04	142.94	0.014	2.03	0.0	0.0	6.386	A
C-ABD	7.78	7.78	232.19	0.034	7.79	0.1	0.0	4.010	A
C-D	0.00	0.00			0.00				
C-A	106.44	106.44			106.44				

18:45 - 19:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	4.08	4.08	156.24	0.026	4.07	0.0	0.0	5.914	A
B-AD	6.12	6.12	115.73	0.053	6.06	0.0	0.1	8.202	A
A-BCD	0.00	0.00	154.79	0.000	0.00	0.0	0.0	0.000	A
A-B	1.02	1.02			1.02				
A-C	53.04	53.04			53.04				
D-A	0.00	0.00	172.54	0.000	0.00	0.0	0.0	0.000	A
D-BC	4.08	4.08	148.65	0.027	4.07	0.0	0.0	6.224	A
C-ABD	7.03	7.03	224.53	0.031	7.03	0.0	0.0	4.129	A
C-D	0.00	0.00			0.00				
C-A	90.90	90.90			90.90				

RECEIVED 19/10/2025

# opening yr + 5, 12hrs

RECEIVED: 29/10/2025

## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Staggered Junction	Right-Left Stagger	Two-way		1.30	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 period length (min)	Time segment length (min)	Run automatically
D5	opening yr + 5	12hrs	DIRECT	07:00	19:00	720	15	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.00	✓

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - R448 W		DIRECT	✓	100.000
B - L4012 N		DIRECT	✓	100.000
C - R448 E		DIRECT	✓	100.000
D - L4012 S		DIRECT	✓	100.000

## Origin-Destination Data

### Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
07:00 - 07:15	From	A - R448 W	0.00	1.12	139.77	0.00
		B - L4012 N	0.00	0.00	6.75	0.00
		C - R448 E	38.47	2.25	0.00	0.00
		D - L4012 S	0.00	0.00	9.49	0.00

### Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
07:15 - 07:30	From	A - R448 W	0.00	1.12	104.43	0.00
		B - L4012 N	2.25	0.00	5.62	0.00
		C - R448 E	65.95	2.25	0.00	0.00
		D - L4012 S	3.50	0.00	8.24	0.00

### Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
07:30 - 07:45	From	A - R448 W	0.00	0.00	113.79	0.00
		B - L4012 N	4.50	0.00	3.50	0.00
		C - R448 E	77.82	2.50	0.00	0.00
		D - L4012 S	2.25	2.25	10.37	0.00

**Demand (Veh/TS)**

07:45 - 08:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	1.12	118.29	0.00
	B - L4012 N	4.62	0.00	12.62	0.00
	C - R448 E	115.29	3.37	0.00	0.00
	D - L4012 S	2.37	0.00	5.87	0.00

**Demand (Veh/TS)**

08:00 - 08:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	2.25	127.03	0.00
	B - L4012 N	6.75	0.00	6.87	0.00
	C - R448 E	110.80	4.62	0.00	0.00
	D - L4012 S	0.00	0.00	5.62	0.00

**Demand (Veh/TS)**

08:15 - 08:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	3.50	139.02	0.00
	B - L4012 N	5.75	0.00	2.25	0.00
	C - R448 E	169.50	2.37	0.00	0.00
	D - L4012 S	0.00	0.00	13.99	0.00

**Demand (Veh/TS)**

08:30 - 08:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	9.12	123.16	0.00
	B - L4012 N	6.75	0.00	15.99	0.00
	C - R448 E	151.64	2.25	0.00	0.00
	D - L4012 S	2.25	2.25	10.24	0.00

**Demand (Veh/TS)**

08:45 - 09:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	1.12	94.93	0.00
	B - L4012 N	7.00	0.00	7.87	0.00
	C - R448 E	134.40	6.75	0.00	0.00
	D - L4012 S	2.25	1.12	10.12	0.00

**Demand (Veh/TS)**

09:00 - 09:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	1.25	95.81	0.00
	B - L4012 N	3.37	0.00	7.87	0.00
	C - R448 E	114.42	6.87	0.00	0.00
	D - L4012 S	3.50	0.00	4.62	0.00

**Demand (Veh/TS)**

09:15 - 09:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	5.62	94.18	0.00
	B - L4012 N	6.75	0.00	3.37	0.00
	C - R448 E	116.17	1.12	0.00	0.00
	D - L4012 S	2.25	0.00	9.12	0.00

**Demand (Veh/TS)**

09:30 - 09:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	1.25	81.07	0.00
	B - L4012 N	3.37	0.00	3.62	0.00
	C - R448 E	116.79	2.25	0.00	0.00
	D - L4012 S	1.12	0.00	9.49	0.00

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**Demand (Veh/TS)**

09:45 - 10:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	2.25	88.69	0.00
	B - L4012 N	4.50	0.00	2.37	0.00
	C - R448 E	97.56	1.12	0.00	0.00
	D - L4012 S	2.37	2.25	10.87	0.00

**Demand (Veh/TS)**

10:00 - 10:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	4.50	69.58	0.00
	B - L4012 N	2.25	0.00	2.25	0.00
	C - R448 E	101.30	0.00	0.00	0.00
	D - L4012 S	0.00	1.12	3.37	0.00

**Demand (Veh/TS)**

10:15 - 10:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	3.37	84.07	0.00
	B - L4012 N	7.87	0.00	0.00	0.00
	C - R448 E	81.69	1.12	0.00	0.00
	D - L4012 S	1.12	0.00	2.37	0.00

**Demand (Veh/TS)**

10:30 - 10:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	2.25	65.45	0.00
	B - L4012 N	2.25	0.00	0.00	0.00
	C - R448 E	77.45	2.37	0.00	0.00
	D - L4012 S	1.12	0.00	1.12	0.00

**Demand (Veh/TS)**

10:45 - 11:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	2.25	62.71	0.00
	B - L4012 N	1.12	0.00	9.49	0.00
	C - R448 E	80.32	3.37	0.00	0.00
	D - L4012 S	2.25	0.00	2.25	0.00

**Demand (Veh/TS)**

11:00 - 11:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	5.62	60.96	0.00
	B - L4012 N	5.62	0.00	2.25	0.00
	C - R448 E	70.32	4.87	0.00	0.00
	D - L4012 S	1.12	0.00	2.25	0.00

**Demand (Veh/TS)**

11:15 - 11:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	4.50	78.57	0.00
	B - L4012 N	4.75	0.00	3.50	0.00
	C - R448 E	63.20	2.25	0.00	0.00
	D - L4012 S	0.00	0.00	5.87	0.00

**Demand (Veh/TS)**

11:30 - 11:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	10.12	85.94	0.00
	B - L4012 N	7.99	0.00	3.37	0.00
	C - R448 E	63.70	3.37	0.00	0.00
	D - L4012 S	0.00	2.25	3.37	0.00

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**Demand (Veh/TS)**

11:45 - 12:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	4.50	88.69	0.00
	B - L4012 N	3.37	0.00	2.25	0.00
	C - R448 E	59.96	3.37	0.00	0.00
	D - L4012 S	2.37	0.00	1.12	0.00

**Demand (Veh/TS)**

12:00 - 12:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	4.50	77.32	0.00
	B - L4012 N	3.37	0.00	0.00	0.00
	C - R448 E	69.45	1.25	0.00	0.00
	D - L4012 S	1.12	1.12	3.50	0.00

**Demand (Veh/TS)**

12:15 - 12:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	2.25	84.07	0.00
	B - L4012 N	4.50	0.00	2.25	0.00
	C - R448 E	70.20	0.00	0.00	0.00
	D - L4012 S	5.62	0.00	3.50	0.00

**Demand (Veh/TS)**

12:30 - 12:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	5.75	72.70	0.00
	B - L4012 N	1.12	0.00	2.37	0.00
	C - R448 E	67.95	2.25	0.00	0.00
	D - L4012 S	2.25	0.00	4.87	0.00

**Demand (Veh/TS)**

12:45 - 13:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	5.62	103.80	0.00
	B - L4012 N	3.37	0.00	1.12	0.00
	C - R448 E	79.19	0.00	0.00	0.00
	D - L4012 S	0.00	1.12	2.25	0.00

**Demand (Veh/TS)**

13:00 - 13:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	5.62	71.32	0.00
	B - L4012 N	2.25	0.00	2.37	0.00
	C - R448 E	102.93	5.87	0.00	0.00
	D - L4012 S	0.00	0.00	8.12	0.00

**Demand (Veh/TS)**

13:15 - 13:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	7.87	78.19	0.00
	B - L4012 N	4.75	0.00	0.00	0.00
	C - R448 E	94.81	4.50	0.00	0.00
	D - L4012 S	0.00	4.50	4.75	0.00

**Demand (Veh/TS)**

13:30 - 13:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	1.12	85.81	0.00
	B - L4012 N	4.50	0.00	0.00	0.00
	C - R448 E	92.31	1.12	0.00	0.00
	D - L4012 S	2.25	0.00	6.00	0.00

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**Demand (Veh/TS)**

13:45 - 14:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	3.37	79.44	0.00
	B - L4012 N	7.99	0.00	3.37	0.00
	C - R448 E	103.67	4.50	0.00	0.00
	D - L4012 S	1.25	0.00	5.75	0.00

**Demand (Veh/TS)**

14:00 - 14:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	5.62	93.93	0.00
	B - L4012 N	4.50	0.00	0.00	0.00
	C - R448 E	81.69	2.37	0.00	0.00
	D - L4012 S	2.37	0.00	2.37	0.00

**Demand (Veh/TS)**

14:15 - 14:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	5.62	88.19	0.00
	B - L4012 N	4.50	0.00	3.37	0.00
	C - R448 E	75.20	3.37	0.00	0.00
	D - L4012 S	2.25	0.00	7.12	0.00

**Demand (Veh/TS)**

14:30 - 14:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	2.25	82.32	0.00
	B - L4012 N	5.75	0.00	1.12	0.00
	C - R448 E	91.81	4.62	0.00	0.00
	D - L4012 S	0.00	3.37	2.25	0.00

**Demand (Veh/TS)**

14:45 - 15:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	9.12	79.07	0.00
	B - L4012 N	7.87	0.00	2.25	0.00
	C - R448 E	90.31	4.50	0.00	0.00
	D - L4012 S	1.12	0.00	1.25	0.00

**Demand (Veh/TS)**

15:00 - 15:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	8.12	112.55	0.00
	B - L4012 N	4.50	0.00	3.37	0.00
	C - R448 E	104.18	5.75	0.00	0.00
	D - L4012 S	1.12	2.25	2.37	0.00

**Demand (Veh/TS)**

15:15 - 15:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	8.99	85.94	0.00
	B - L4012 N	2.25	0.00	3.37	0.00
	C - R448 E	127.78	7.99	0.00	0.00
	D - L4012 S	2.50	2.25	2.37	0.00

**Demand (Veh/TS)**

15:30 - 15:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	4.50	111.05	0.00
	B - L4012 N	6.87	0.00	4.62	0.00
	C - R448 E	99.43	5.75	0.00	0.00
	D - L4012 S	1.12	1.12	4.75	0.00

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**Demand (Veh/TS)**

15:45 - 16:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	6.75	81.57	0.00
	B - L4012 N	7.99	0.00	4.50	0.00
	C - R448 E	94.68	3.37	0.00	0.00
	D - L4012 S	0.00	0.00	1.12	0.00

**Demand (Veh/TS)**

16:00 - 16:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	4.50	118.91	0.00
	B - L4012 N	3.37	0.00	9.12	0.00
	C - R448 E	122.04	7.99	0.00	0.00
	D - L4012 S	0.00	2.25	2.37	0.00

**Demand (Veh/TS)**

16:15 - 16:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	8.99	109.42	0.00
	B - L4012 N	5.62	0.00	6.87	0.00
	C - R448 E	120.91	9.12	0.00	0.00
	D - L4012 S	3.37	0.00	8.24	0.00

**Demand (Veh/TS)**

16:30 - 16:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	5.62	113.67	0.00
	B - L4012 N	10.12	0.00	3.37	0.00
	C - R448 E	147.39	4.50	0.00	0.00
	D - L4012 S	0.00	0.00	9.74	0.00

**Demand (Veh/TS)**

16:45 - 17:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	5.62	136.65	0.00
	B - L4012 N	3.37	0.00	2.25	0.00
	C - R448 E	126.53	6.87	0.00	0.00
	D - L4012 S	1.12	3.37	9.12	0.00

**Demand (Veh/TS)**

17:00 - 17:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	7.87	143.15	0.00
	B - L4012 N	7.87	0.00	3.37	0.00
	C - R448 E	140.90	8.99	0.00	0.00
	D - L4012 S	1.25	2.25	4.87	0.00

**Demand (Veh/TS)**

17:15 - 17:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	12.49	160.01	0.00
	B - L4012 N	4.50	0.00	1.12	0.00
	C - R448 E	147.64	5.62	0.00	0.00
	D - L4012 S	0.00	0.00	8.24	0.00

**Demand (Veh/TS)**

17:30 - 17:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	4.50	128.41	0.00
	B - L4012 N	8.99	0.00	3.37	0.00
	C - R448 E	161.38	10.12	0.00	0.00
	D - L4012 S	1.25	0.00	7.25	0.00

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**Demand (Veh/TS)**

17:45 - 18:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	6.75	138.77	0.00
	B - L4012 N	4.50	0.00	2.25	0.00
	C - R448 E	178.25	12.37	0.00	0.00
	D - L4012 S	2.37	1.12	4.62	0.00

**Demand (Veh/TS)**

18:00 - 18:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	7.87	110.17	0.00
	B - L4012 N	3.37	0.00	0.00	0.00
	C - R448 E	148.64	9.12	0.00	0.00
	D - L4012 S	3.37	1.12	4.62	0.00

**Demand (Veh/TS)**

18:15 - 18:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	5.62	79.94	0.00
	B - L4012 N	3.37	0.00	2.25	0.00
	C - R448 E	144.02	4.50	0.00	0.00
	D - L4012 S	1.12	0.00	1.12	0.00

**Demand (Veh/TS)**

18:30 - 18:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	5.75	74.32	0.00
	B - L4012 N	0.00	0.00	3.37	0.00
	C - R448 E	121.54	4.50	0.00	0.00
	D - L4012 S	0.00	1.12	1.12	0.00

**Demand (Veh/TS)**

18:45 - 19:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	1.12	58.58	0.00
	B - L4012 N	6.75	0.00	4.50	0.00
	C - R448 E	103.67	4.50	0.00	0.00
	D - L4012 S	0.00	3.37	1.12	0.00

**Vehicle Mix**

**Heavy Vehicle Percentages**

07:00 - 07:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0	0	3	0
	B - L4012 N	0	0	0	0
	C - R448 E	6	0	0	0
	D - L4012 S	0	0	53	0

**Heavy Vehicle Percentages**

07:15 - 07:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0	0	10	0
	B - L4012 N	0	0	0	0
	C - R448 E	11	0	0	0
	D - L4012 S	36	0	45	0

**Heavy Vehicle Percentages**

07:30 - 07:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0	0	2	0
	B - L4012 N	0	0	36	0
	C - R448 E	3	100	0	0
	D - L4012 S	0	0	24	0

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**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
07:45 - 08:00	From	A - R448 W	0	0	2	0
		B - L4012 N	27	0	20	0
		C - R448 E	5	0	0	0
		D - L4012 S	53	0	43	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
08:00 - 08:15	From	A - R448 W	0	0	9	0
		B - L4012 N	0	0	18	0
		C - R448 E	6	27	0	0
		D - L4012 S	0	0	0	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
08:15 - 08:30	From	A - R448 W	0	36	5	0
		B - L4012 N	22	0	0	0
		C - R448 E	5	53	0	0
		D - L4012 S	0	0	36	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
08:30 - 08:45	From	A - R448 W	0	14	5	0
		B - L4012 N	0	0	16	0
		C - R448 E	7	0	0	0
		D - L4012 S	0	0	12	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
08:45 - 09:00	From	A - R448 W	0	0	5	0
		B - L4012 N	36	0	0	0
		C - R448 E	5	0	0	0
		D - L4012 S	0	0	0	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
09:00 - 09:15	From	A - R448 W	0	100	3	0
		B - L4012 N	0	0	0	0
		C - R448 E	8	18	0	0
		D - L4012 S	36	0	27	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
09:15 - 09:30	From	A - R448 W	0	0	9	0
		B - L4012 N	0	0	0	0
		C - R448 E	3	0	0	0
		D - L4012 S	0	0	14	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
09:30 - 09:45	From	A - R448 W	0	100	15	0
		B - L4012 N	0	0	69	0
		C - R448 E	9	0	0	0
		D - L4012 S	0	0	53	0

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Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
09:45 - 10:00	From	A - R448 W	0	0	11	0
		B - L4012 N	0	0	53	0
		C - R448 E	20	0	0	0
		D - L4012 S	53	0	69	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
10:00 - 10:15	From	A - R448 W	0	0	14	0
		B - L4012 N	0	0	0	0
		C - R448 E	12	0	0	0
		D - L4012 S	0	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
10:15 - 10:30	From	A - R448 W	0	0	10	0
		B - L4012 N	0	0	0	0
		C - R448 E	9	0	0	0
		D - L4012 S	0	0	53	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
10:30 - 10:45	From	A - R448 W	0	0	21	0
		B - L4012 N	0	0	0	0
		C - R448 E	13	53	0	0
		D - L4012 S	0	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
10:45 - 11:00	From	A - R448 W	0	0	14	0
		B - L4012 N	0	0	53	0
		C - R448 E	6	0	0	0
		D - L4012 S	0	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
11:00 - 11:15	From	A - R448 W	0	0	4	0
		B - L4012 N	0	0	0	0
		C - R448 E	9	77	0	0
		D - L4012 S	0	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
11:15 - 11:30	From	A - R448 W	0	0	13	0
		B - L4012 N	53	0	36	0
		C - R448 E	4	0	0	0
		D - L4012 S	0	0	43	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
11:30 - 11:45	From	A - R448 W	0	0	6	0
		B - L4012 N	16	0	0	0
		C - R448 E	12	0	0	0
		D - L4012 S	0	0	0	0

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Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
11:45 - 12:00	From	A - R448 W	0	0	11	0
		B - L4012 N	0	0	0	0
		C - R448 E	6	0	0	0
		D - L4012 S	53	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
12:00 - 12:15	From	A - R448 W	0	0	11	0
		B - L4012 N	0	0	0	0
		C - R448 E	13	100	0	0
		D - L4012 S	0	0	36	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
12:15 - 12:30	From	A - R448 W	0	0	10	0
		B - L4012 N	0	0	0	0
		C - R448 E	7	0	0	0
		D - L4012 S	0	0	36	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
12:30 - 12:45	From	A - R448 W	0	22	10	0
		B - L4012 N	0	0	53	0
		C - R448 E	7	0	0	0
		D - L4012 S	0	0	77	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
12:45 - 13:00	From	A - R448 W	0	0	4	0
		B - L4012 N	0	0	0	0
		C - R448 E	6	0	0	0
		D - L4012 S	0	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
13:00 - 13:15	From	A - R448 W	0	0	7	0
		B - L4012 N	0	0	53	0
		C - R448 E	6	43	0	0
		D - L4012 S	0	0	31	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
13:15 - 13:30	From	A - R448 W	0	0	8	0
		B - L4012 N	53	0	0	0
		C - R448 E	4	0	0	0
		D - L4012 S	0	0	53	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
13:30 - 13:45	From	A - R448 W	0	0	4	0
		B - L4012 N	0	0	0	0
		C - R448 E	1	0	0	0
		D - L4012 S	0	0	63	0

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Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
13:45 - 14:00	From	A - R448 W	0	0	9	0
		B - L4012 N	16	0	0	0
		C - R448 E	2	0	0	0
		D - L4012 S	100	0	22	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
14:00 - 14:15	From	A - R448 W	0	0	7	0
		B - L4012 N	0	0	0	0
		C - R448 E	9	53	0	0
		D - L4012 S	53	0	53	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
14:15 - 14:30	From	A - R448 W	0	0	6	0
		B - L4012 N	0	0	0	0
		C - R448 E	13	0	0	0
		D - L4012 S	0	0	53	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
14:30 - 14:45	From	A - R448 W	0	0	3	0
		B - L4012 N	22	0	0	0
		C - R448 E	8	27	0	0
		D - L4012 S	0	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
14:45 - 15:00	From	A - R448 W	0	14	5	0
		B - L4012 N	0	0	0	0
		C - R448 E	4	0	0	0
		D - L4012 S	0	0	100	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
15:00 - 15:15	From	A - R448 W	0	31	11	0
		B - L4012 N	0	0	0	0
		C - R448 E	7	22	0	0
		D - L4012 S	0	0	53	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
15:15 - 15:30	From	A - R448 W	0	0	6	0
		B - L4012 N	0	0	0	0
		C - R448 E	6	16	0	0
		D - L4012 S	100	0	53	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
15:30 - 15:45	From	A - R448 W	0	0	8	0
		B - L4012 N	18	0	27	0
		C - R448 E	5	22	0	0
		D - L4012 S	0	0	53	0

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Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
15:45 - 16:00	From	A - R448 W	0	0	8	0
		B - L4012 N	16	0	0	0
		C - R448 E	3	0	0	0
		D - L4012 S	0	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
16:00 - 16:15	From	A - R448 W	0	0	7	0
		B - L4012 N	0	0	14	0
		C - R448 E	5	16	0	0
		D - L4012 S	0	0	53	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
16:15 - 16:30	From	A - R448 W	0	0	3	0
		B - L4012 N	0	0	18	0
		C - R448 E	5	14	0	0
		D - L4012 S	0	0	45	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
16:30 - 16:45	From	A - R448 W	0	0	1	0
		B - L4012 N	0	0	0	0
		C - R448 E	1	0	0	0
		D - L4012 S	0	0	77	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
16:45 - 17:00	From	A - R448 W	0	0	5	0
		B - L4012 N	0	0	0	0
		C - R448 E	5	18	0	0
		D - L4012 S	0	0	14	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
17:00 - 17:15	From	A - R448 W	0	0	3	0
		B - L4012 N	0	0	0	0
		C - R448 E	3	0	0	0
		D - L4012 S	100	0	77	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
17:15 - 17:30	From	A - R448 W	0	10	2	0
		B - L4012 N	0	0	0	0
		C - R448 E	3	0	0	0
		D - L4012 S	0	0	45	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
17:30 - 17:45	From	A - R448 W	0	0	2	0
		B - L4012 N	0	0	0	0
		C - R448 E	4	0	0	0
		D - L4012 S	100	0	69	0

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### Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
17:45 - 18:00	From	A - R448 W	0	0	4	0
		B - L4012 N	0	0	0	0
		C - R448 E	4	0	0	0
		D - L4012 S	53	0	27	0

### Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
18:00 - 18:15	From	A - R448 W	0	0	0	0
		B - L4012 N	0	0	0	0
		C - R448 E	2	14	0	0
		D - L4012 S	0	0	27	0

### Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
18:15 - 18:30	From	A - R448 W	0	0	2	0
		B - L4012 N	0	0	0	0
		C - R448 E	1	0	0	0
		D - L4012 S	0	0	0	0

### Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
18:30 - 18:45	From	A - R448 W	0	22	2	0
		B - L4012 N	0	0	0	0
		C - R448 E	1	0	0	0
		D - L4012 S	0	0	0	0

### Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
18:45 - 19:00	From	A - R448 W	0	0	2	0
		B - L4012 N	0	0	0	0
		C - R448 E	2	0	0	0
		D - L4012 S	0	0	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/TS)	Total Junction Arrivals (Veh)
B-C	0.13	10.38	0.2	B	3.70	177.75
B-AD	0.11	13.86	0.1	B	4.76	228.71
A-BCD	0.00	0.00	0.0	A	0.00	0.00
A-B					4.80	230.58
A-C					97.40	4675.39
D-A	0.03	12.03	0.0	B	1.39	66.70
D-BC	0.17	13.69	0.2	B	6.17	296.17
C-ABD	0.15	6.76	0.4	A	9.54	457.89
C-D					0.00	0.00
C-A					99.19	4761.22

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## Main Results for each time segment

### 07:00 - 07:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	6.75	6.75	140.20	0.048	6.69	0.0	0.1	6.740	A
B-AD	0.00	0.00	88.79	0.000	0.00	0.0	0.0	0.000	A
A-BCD	0.00	0.00	169.62	0.000	0.00	0.0	0.0	0.000	A
A-B	1.12	1.12			1.12				
A-C	139.77	139.77			139.77				
D-A	0.00	0.00	183.88	0.000	0.00	0.0	0.0	0.000	A
D-BC	9.49	9.49	98.22	0.097	9.39	0.0	0.1	10.116	B
C-ABD	2.91	2.91	168.53	0.017	2.89	0.0	0.0	5.433	A
C-D	0.00	0.00			0.00				
C-A	37.81	37.81			37.81				

### 07:15 - 07:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	5.62	5.62	143.36	0.039	5.63	0.1	0.0	6.533	A
B-AD	2.25	2.25	96.17	0.023	2.22	0.0	0.0	9.578	A
A-BCD	0.00	0.00	160.73	0.000	0.00	0.0	0.0	0.000	A
A-B	1.12	1.12			1.12				
A-C	104.43	104.43			104.43				
D-A	3.50	3.50	132.34	0.026	3.47	0.0	0.0	6.981	A
D-BC	8.24	8.24	98.64	0.084	8.26	0.1	0.1	10.239	B
C-ABD	3.44	3.44	191.73	0.018	3.43	0.0	0.0	4.729	A
C-D	0.00	0.00			0.00				
C-A	64.77	64.77			64.77				

### 07:30 - 07:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.50	3.50	106.96	0.033	3.51	0.0	0.0	7.271	A
B-AD	4.50	4.50	98.87	0.045	4.47	0.0	0.0	9.532	A
A-BCD	0.00	0.00	159.54	0.000	0.00	0.0	0.0	0.000	A
A-B	0.00	0.00			0.00				
A-C	113.79	113.79			113.79				
D-A	2.25	2.25	172.39	0.013	2.26	0.0	0.0	6.430	A
D-BC	12.62	12.62	119.14	0.106	12.58	0.1	0.1	9.233	A
C-ABD	5.68	5.68	139.41	0.041	5.65	0.0	0.0	5.979	A
C-D	0.00	0.00			0.00				
C-A	74.64	74.64			74.64				

### 07:45 - 08:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	12.62	12.62	117.79	0.107	12.52	0.0	0.1	8.815	A
B-AD	4.62	4.62	70.22	0.066	4.61	0.0	0.1	12.213	B
A-BCD	0.00	0.00	150.72	0.000	0.00	0.0	0.0	0.000	A
A-B	1.12	1.12			1.12				
A-C	118.29	118.29			118.29				
D-A	2.37	2.37	110.59	0.022	2.37	0.0	0.0	6.911	A
D-BC	5.87	5.87	90.56	0.065	5.94	0.1	0.1	9.445	A
C-ABD	6.98	6.98	223.86	0.031	6.98	0.0	0.1	4.943	A
C-D	0.00	0.00			0.00				
C-A	111.69	111.69			111.69				

### 08:00 - 08:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	6.87	6.87	119.66	0.057	6.93	0.1	0.1	8.062	A
B-AD	6.75	6.75	89.63	0.075	6.72	0.1	0.1	12.119	B
A-BCD	0.00	0.00	150.44	0.000	0.00	0.0	0.0	0.000	A
A-B	2.25	2.25			2.25				
A-C	127.03	127.03			127.03				
D-A	0.00	0.00	109.16	0.000	0.02	0.0	0.0	0.000	A
D-BC	5.62	5.62	127.89	0.044	5.63	0.1	0.1	9.009	A
C-ABD	10.67	10.67	196.01	0.054	10.64	0.1	0.1	4.644	A
C-D	0.00	0.00			0.00				
C-A	104.75	104.75			104.75				

08:15 - 08:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.25	2.25	125.20	0.018	2.29	0.1	0.0	8.308	A
B-AD	5.75	5.75	64.04	0.090	5.75	0.1	0.1	13.863	B
A-BCD	0.00	0.00	131.55	0.000	0.00	0.0	0.0	0.000	A
A-B	3.50	3.50			3.50				
A-C	139.02	139.02			139.02				
D-A	0.00	0.00	129.97	0.000	0.00	0.0	0.0	0.000	A
D-BC	13.99	13.99	81.35	0.172	13.86	0.1	0.2	12.137	B
C-ABD	9.70	9.70	225.36	0.043	9.72	0.1	0.1	4.139	A
C-D	0.00	0.00			0.00				
C-A	162.18	162.18			162.18				

08:30 - 08:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	15.99	15.99	118.54	0.135	15.86	0.0	0.2	8.588	A
B-AD	6.75	6.75	80.47	0.084	6.73	0.1	0.1	13.505	B
A-BCD	0.00	0.00	135.78	0.000	0.00	0.0	0.0	0.000	A
A-B	9.12	9.12			9.12				
A-C	123.16	123.16			123.16				
D-A	2.25	2.25	153.01	0.015	2.23	0.0	0.0	7.612	A
D-BC	12.49	12.49	105.73	0.118	12.52	0.2	0.2	10.991	B
C-ABD	5.97	5.97	243.81	0.024	6.00	0.1	0.0	4.074	A
C-D	0.00	0.00			0.00				
C-A	147.92	147.92			147.92				

08:45 - 09:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	7.87	7.87	144.20	0.054	7.96	0.2	0.1	7.323	A
B-AD	7.00	7.00	70.79	0.099	7.00	0.1	0.1	12.163	B
A-BCD	0.00	0.00	142.24	0.000	0.00	0.0	0.0	0.000	A
A-B	1.12	1.12			1.12				
A-C	94.93	94.93			94.93				
D-A	2.25	2.25	158.98	0.014	2.25	0.0	0.0	5.744	A
D-BC	11.24	11.24	127.64	0.088	11.29	0.2	0.1	8.177	A
C-ABD	15.34	15.34	240.14	0.064	15.26	0.0	0.1	4.020	A
C-D	0.00	0.00			0.00				
C-A	125.81	125.81			125.81				

09:00 - 09:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	7.87	7.87	147.26	0.053	7.88	0.1	0.1	6.456	A
B-AD	3.37	3.37	92.19	0.036	3.42	0.1	0.0	12.576	B
A-BCD	0.00	0.00	132.84	0.000	0.00	0.0	0.0	0.000	A
A-B	1.25	1.25			1.25				
A-C	95.81	95.81			95.81				
D-A	3.50	3.50	127.49	0.027	3.49	0.0	0.0	6.498	A
D-BC	4.62	4.62	104.52	0.044	4.69	0.1	0.0	7.641	A
C-ABD	15.17	15.17	209.94	0.072	15.15	0.1	0.1	4.408	A
C-D	0.00	0.00			0.00				
C-A	106.12	106.12			106.12				

09:15 - 09:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.37	3.37	140.48	0.024	3.40	0.1	0.0	6.566	A
B-AD	6.75	6.75	96.10	0.070	6.72	0.0	0.1	10.066	B
A-BCD	0.00	0.00	140.28	0.000	0.00	0.0	0.0	0.000	A
A-B	5.62	5.62			5.62				
A-C	94.18	94.18			94.18				
D-A	2.25	2.25	164.64	0.014	2.26	0.0	0.0	6.740	A
D-BC	9.12	9.12	116.59	0.078	9.07	0.0	0.1	8.721	A
C-ABD	2.36	2.36	226.69	0.010	2.47	0.1	0.0	4.364	A
C-D	0.00	0.00			0.00				
C-A	114.93	114.93			114.93				

09:30 - 09:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.62	3.62	91.66	0.040	3.62	0.0	0.0	8.168	A
B-AD	3.37	3.37	94.87	0.036	3.41	0.1	0.0	9.845	A
A-BCD	0.00	0.00	127.55	0.000	0.00	0.0	0.0	0.000	A
A-B	1.25	1.25			1.25				
A-C	81.07	81.07			81.07				
D-A	1.12	1.12	162.43	0.007	1.13	0.0	0.0	5.581	A
D-BC	9.49	9.49	88.17	0.108	9.48	0.1	0.1	9.884	A
C-ABD	4.63	4.63	227.58	0.020	4.61	0.0	0.0	4.000	A
C-D	0.00	0.00			0.00				
C-A	114.41	114.41			114.41				

09:45 - 10:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.37	2.37	94.69	0.025	2.38	0.0	0.0	10.383	B
B-AD	4.50	4.50	99.08	0.045	4.49	0.0	0.0	9.513	A
A-BCD	0.00	0.00	138.26	0.000	0.00	0.0	0.0	0.000	A
A-B	2.25	2.25			2.25				
A-C	88.69	88.69			88.69				
D-A	2.37	2.37	106.56	0.022	2.36	0.0	0.0	7.668	A
D-BC	13.12	13.12	86.29	0.152	13.05	0.1	0.2	12.106	B
C-ABD	2.11	2.11	209.64	0.010	2.13	0.0	0.0	4.196	A
C-D	0.00	0.00			0.00				
C-A	96.57	96.57			96.57				

10:00 - 10:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.25	2.25	154.06	0.015	2.26	0.0	0.0	7.512	A
B-AD	2.25	2.25	105.77	0.021	2.27	0.0	0.0	8.699	A
A-BCD	0.00	0.00	144.08	0.000	0.00	0.0	0.0	0.000	A
A-B	4.50	4.50			4.50				
A-C	69.58	69.58			69.58				
D-A	0.00	0.00	110.66	0.000	0.02	0.0	0.0	0.000	A
D-BC	4.50	4.50	137.09	0.032	4.62	0.2	0.0	9.626	A
C-ABD	0.00	0.00	145.32	0.000	0.01	0.0	0.0	0.000	A
C-D	0.00	0.00			0.00				
C-A	101.30	101.30			101.30				

10:15 - 10:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	134.31	0.000	0.02	0.0	0.0	0.000	A
B-AD	7.87	7.87	106.56	0.074	7.81	0.0	0.1	9.110	A
A-BCD	0.00	0.00	151.16	0.000	0.00	0.0	0.0	0.000	A
A-B	3.37	3.37			3.37				
A-C	84.07	84.07			84.07				
D-A	1.12	1.12	175.97	0.006	1.12	0.0	0.0	7.001	A
D-BC	2.37	2.37	93.56	0.026	2.40	0.0	0.0	7.657	A
C-ABD	1.86	1.86	207.35	0.009	1.85	0.0	0.0	4.515	A
C-D	0.00	0.00			0.00				
C-A	80.96	80.96			80.96				

10:30 - 10:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	139.47	0.000	0.00	0.0	0.0	0.000	A
B-AD	2.25	2.25	109.55	0.021	2.31	0.1	0.0	8.396	A
A-BCD	0.00	0.00	152.41	0.000	0.00	0.0	0.0	0.000	A
A-B	2.25	2.25			2.25				
A-C	65.45	65.45			65.45				
D-A	1.12	1.12	188.81	0.006	1.13	0.0	0.0	4.796	A
D-BC	1.12	1.12	139.91	0.008	1.13	0.0	0.0	8.746	A
C-ABD	4.54	4.54	162.37	0.028	4.52	0.0	0.0	5.323	A
C-D	0.00	0.00			0.00				
C-A	75.27	75.27			75.27				

10:45 - 11:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	9.49	9.49	103.91	0.091	9.40	0.0	0.1	8.827	A
B-AD	1.12	1.12	98.90	0.011	1.13	0.0	0.0	9.206	A
A-BCD	0.00	0.00	154.25	0.000	0.00	0.0	0.0	0.000	A
A-B	2.25	2.25			2.25				
A-C	62.71	62.71			62.71				
D-A	2.25	2.25	189.74	0.012	2.24	0.0	0.0	4.799	A
D-BC	2.25	2.25	142.99	0.016	2.24	0.0	0.0	6.394	A
C-ABD	5.45	5.45	211.37	0.026	5.44	0.0	0.0	4.986	A
C-D	0.00	0.00			0.00				
C-A	78.24	78.24			78.24				

11:00 - 11:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.25	2.25	146.72	0.015	2.32	0.1	0.0	8.765	A
B-AD	5.62	5.62	109.81	0.051	5.58	0.0	0.1	8.628	A
A-BCD	0.00	0.00	157.59	0.000	0.00	0.0	0.0	0.000	A
A-B	5.62	5.62			5.62				
A-C	60.96	60.96			60.96				
D-A	1.12	1.12	182.53	0.006	1.13	0.0	0.0	4.962	A
D-BC	2.25	2.25	148.74	0.015	2.25	0.0	0.0	6.145	A
C-ABD	9.36	9.36	147.13	0.064	9.31	0.0	0.1	5.798	A
C-D	0.00	0.00			0.00				
C-A	65.84	65.84			65.84				

11:15 - 11:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.50	3.50	108.08	0.032	3.49	0.0	0.0	7.705	A
B-AD	4.75	4.75	73.30	0.065	4.75	0.1	0.1	10.580	B
A-BCD	0.00	0.00	159.13	0.000	0.00	0.0	0.0	0.000	A
A-B	4.50	4.50			4.50				
A-C	78.57	78.57			78.57				
D-A	0.00	0.00	178.19	0.000	0.01	0.0	0.0	0.000	A
D-BC	5.87	5.87	105.31	0.056	5.83	0.0	0.1	8.263	A
C-ABD	3.35	3.35	194.52	0.017	3.41	0.1	0.0	6.148	A
C-D	0.00	0.00			0.00				
C-A	62.10	62.10			62.10				

11:30 - 11:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.37	3.37	140.24	0.024	3.37	0.0	0.0	7.781	A
B-AD	7.99	7.99	91.37	0.087	7.94	0.1	0.1	12.174	B
A-BCD	0.00	0.00	158.67	0.000	0.00	0.0	0.0	0.000	A
A-B	10.12	10.12			10.12				
A-C	85.94	85.94			85.94				
D-A	0.00	0.00	177.18	0.000	0.00	0.0	0.0	0.000	A
D-BC	5.62	5.62	146.09	0.038	5.62	0.1	0.0	7.835	A
C-ABD	5.03	5.03	194.30	0.026	5.02	0.0	0.0	4.707	A
C-D	0.00	0.00			0.00				
C-A	62.05	62.05			62.05				

11:45 - 12:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.25	2.25	147.11	0.015	2.26	0.0	0.0	6.213	A
B-AD	3.37	3.37	110.27	0.030	3.44	0.1	0.0	9.345	A
A-BCD	0.00	0.00	161.01	0.000	0.00	0.0	0.0	0.000	A
A-B	4.50	4.50			4.50				
A-C	88.69	88.69			88.69				
D-A	2.37	2.37	132.51	0.018	2.36	0.0	0.0	6.135	A
D-BC	1.12	1.12	135.18	0.008	1.17	0.0	0.0	6.717	A
C-ABD	4.90	4.90	193.57	0.025	4.90	0.0	0.0	4.816	A
C-D	0.00	0.00			0.00				
C-A	58.43	58.43			58.43				

12:00 - 12:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	136.76	0.000	0.02	0.0	0.0	0.000	A
B-AD	3.37	3.37	108.62	0.031	3.38	0.0	0.0	8.551	A
A-BCD	0.00	0.00	157.70	0.000	0.00	0.0	0.0	0.000	A
A-B	4.50	4.50			4.50				
A-C	77.32	77.32			77.32				
D-A	1.12	1.12	176.02	0.006	1.13	0.0	0.0	6.950	A
D-BC	4.62	4.62	116.46	0.040	4.59	0.0	0.0	7.698	A
C-ABD	2.59	2.59	135.26	0.019	2.61	0.0	0.0	5.274	A
C-D	0.00	0.00			0.00				
C-A	68.11	68.11			68.11				

12:15 - 12:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.25	2.25	145.00	0.016	2.23	0.0	0.0	6.303	A
B-AD	4.50	4.50	105.84	0.042	4.49	0.0	0.0	8.878	A
A-BCD	0.00	0.00	158.15	0.000	0.00	0.0	0.0	0.000	A
A-B	2.25	2.25			2.25				
A-C	84.07	84.07			84.07				
D-A	5.62	5.62	194.66	0.029	5.60	0.0	0.0	4.760	A
D-BC	3.50	3.50	101.93	0.034	3.50	0.0	0.0	8.805	A
C-ABD	0.01	0.01	148.51	0.000	0.03	0.0	0.0	6.763	A
C-D	0.00	0.00			0.00				
C-A	70.19	70.19			70.19				

12:30 - 12:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.37	2.37	99.94	0.024	2.37	0.0	0.0	7.662	A
B-AD	1.12	1.12	102.20	0.011	1.16	0.0	0.0	8.909	A
A-BCD	0.00	0.00	155.27	0.000	0.00	0.0	0.0	0.000	A
A-B	5.75	5.75			5.75				
A-C	72.70	72.70			72.70				
D-A	2.25	2.25	179.41	0.013	2.27	0.0	0.0	5.080	A
D-BC	4.87	4.87	84.79	0.058	4.85	0.0	0.1	10.118	B
C-ABD	3.41	3.41	200.03	0.017	3.39	0.0	0.0	4.577	A
C-D	0.00	0.00			0.00				
C-A	66.79	66.79			66.79				

12:45 - 13:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	1.12	1.12	138.21	0.008	1.13	0.0	0.0	8.853	A
B-AD	3.37	3.37	102.56	0.033	3.35	0.0	0.0	9.069	A
A-BCD	0.00	0.00	155.75	0.000	0.00	0.0	0.0	0.000	A
A-B	5.62	5.62			5.62				
A-C	103.80	103.80			103.80				
D-A	0.00	0.00	176.15	0.000	0.01	0.0	0.0	0.000	A
D-BC	3.37	3.37	141.03	0.024	3.39	0.1	0.0	9.501	A
C-ABD	0.00	0.00	149.13	0.000	0.02	0.0	0.0	0.000	A
C-D	0.00	0.00			0.00				
C-A	79.19	79.19			79.19				

13:00 - 13:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.37	2.37	104.06	0.023	2.36	0.0	0.0	7.862	A
B-AD	2.25	2.25	100.11	0.022	2.26	0.0	0.0	9.199	A
A-BCD	0.00	0.00	151.71	0.000	0.00	0.0	0.0	0.000	A
A-B	5.62	5.62			5.62				
A-C	71.32	71.32			71.32				
D-A	0.00	0.00	168.26	0.000	0.00	0.0	0.0	0.000	A
D-BC	8.12	8.12	108.42	0.075	8.08	0.0	0.1	8.311	A
C-ABD	13.05	13.05	187.08	0.070	12.94	0.0	0.1	4.979	A
C-D	0.00	0.00			0.00				
C-A	95.74	95.74			95.74				

13:15 - 13:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	88.20	0.000	0.02	0.0	0.0	0.000	A
B-AD	4.75	4.75	68.58	0.069	4.71	0.0	0.1	12.444	B
A-BCD	0.00	0.00	153.22	0.000	0.00	0.0	0.0	0.000	A
A-B	7.87	7.87			7.87				
A-C	78.19	78.19			78.19				
D-A	0.00	0.00	169.20	0.000	0.00	0.0	0.0	0.000	A
D-BC	9.24	9.24	111.27	0.083	9.23	0.1	0.1	6.949	A
C-ABD	8.06	8.06	215.82	0.037	8.11	0.1	0.1	4.832	A
C-D	0.00	0.00			0.00				
C-A	91.24	91.24			91.24				

13:30 - 13:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	119.30	0.000	0.00	0.0	0.0	0.000	A
B-AD	4.50	4.50	104.74	0.043	4.50	0.1	0.1	11.457	B
A-BCD	0.00	0.00	155.72	0.000	0.00	0.0	0.0	0.000	A
A-B	1.12	1.12			1.12				
A-C	85.81	85.81			85.81				
D-A	2.25	2.25	172.64	0.013	2.24	0.0	0.0	5.281	A
D-BC	6.00	6.00	88.37	0.068	6.02	0.1	0.1	9.428	A
C-ABD	1.99	1.99	216.24	0.009	2.04	0.1	0.0	4.240	A
C-D	0.00	0.00			0.00				
C-A	91.45	91.45			91.45				

13:45 - 14:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.37	3.37	141.28	0.024	3.34	0.0	0.0	7.984	A
B-AD	7.99	7.99	88.13	0.091	7.96	0.1	0.1	10.636	B
A-BCD	0.00	0.00	151.48	0.000	0.00	0.0	0.0	0.000	A
A-B	3.37	3.37			3.37				
A-C	79.44	79.44			79.44				
D-A	1.25	1.25	85.97	0.015	1.25	0.0	0.0	7.214	A
D-BC	5.75	5.75	112.57	0.051	5.75	0.1	0.1	9.917	A
C-ABD	8.38	8.38	223.85	0.037	8.34	0.0	0.1	4.172	A
C-D	0.00	0.00			0.00				
C-A	99.79	99.79			99.79				

14:00 - 14:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	133.73	0.000	0.03	0.0	0.0	0.000	A
B-AD	4.50	4.50	103.70	0.043	4.54	0.1	0.1	10.000	B
A-BCD	0.00	0.00	156.37	0.000	0.00	0.0	0.0	0.000	A
A-B	5.62	5.62			5.62				
A-C	93.93	93.93			93.93				
D-A	2.37	2.37	122.34	0.019	2.36	0.0	0.0	8.309	A
D-BC	2.37	2.37	89.72	0.027	2.41	0.1	0.0	8.848	A
C-ABD	4.78	4.78	163.36	0.029	4.80	0.1	0.0	4.850	A
C-D	0.00	0.00			0.00				
C-A	79.28	79.28			79.28				

14:15 - 14:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.37	3.37	146.84	0.023	3.35	0.0	0.0	6.272	A
B-AD	4.50	4.50	106.04	0.042	4.50	0.1	0.0	8.864	A
A-BCD	0.00	0.00	157.57	0.000	0.00	0.0	0.0	0.000	A
A-B	5.62	5.62			5.62				
A-C	88.19	88.19			88.19				
D-A	2.25	2.25	173.15	0.013	2.25	0.0	0.0	6.678	A
D-BC	7.12	7.12	94.47	0.075	7.06	0.0	0.1	10.290	B
C-ABD	5.41	5.41	200.09	0.027	5.41	0.0	0.0	5.163	A
C-D	0.00	0.00			0.00				
C-A	73.16	73.16			73.16				

14:30 - 14:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	1.12	1.12	138.72	0.008	1.14	0.0	0.0	6.541	A
B-AD	5.75	5.75	86.25	0.067	5.73	0.0	0.1	10.256	B
A-BCD	0.00	0.00	154.67	0.000	0.00	0.0	0.0	0.000	A
A-B	2.25	2.25			2.25				
A-C	82.31	82.31			82.31				
D-A	0.00	0.00	170.96	0.000	0.02	0.0	0.0	0.000	A
D-BC	5.62	5.62	141.08	0.040	5.65	0.1	0.1	6.642	A
C-ABD	9.01	9.01	189.08	0.048	8.98	0.0	0.1	4.735	A
C-D	0.00	0.00			0.00				
C-A	87.42	87.42			87.42				

14:45 - 15:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.25	2.25	141.47	0.016	2.24	0.0	0.0	6.463	A
B-AD	7.87	7.87	104.90	0.075	7.85	0.1	0.1	10.178	B
A-BCD	0.00	0.00	153.01	0.000	0.00	0.0	0.0	0.000	A
A-B	9.12	9.12			9.12				
A-C	79.07	79.07			79.07				
D-A	1.12	1.12	176.84	0.006	1.12	0.0	0.0	5.121	A
D-BC	1.25	1.25	71.50	0.018	1.29	0.1	0.0	7.686	A
C-ABD	7.78	7.78	214.73	0.036	7.80	0.1	0.1	4.729	A
C-D	0.00	0.00			0.00				
C-A	87.02	87.02			87.02				

15:00 - 15:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.37	3.37	140.65	0.024	3.36	0.0	0.0	6.555	A
B-AD	4.50	4.50	95.44	0.047	4.53	0.1	0.1	9.905	A
A-BCD	0.00	0.00	144.68	0.000	0.00	0.0	0.0	0.000	A
A-B	8.12	8.12			8.12				
A-C	112.54	112.54			112.54				
D-A	1.12	1.12	168.78	0.007	1.12	0.0	0.0	5.367	A
D-BC	4.62	4.62	103.09	0.045	4.58	0.0	0.1	10.293	B
C-ABD	12.36	12.36	195.17	0.063	12.32	0.1	0.1	4.708	A
C-D	0.00	0.00			0.00				
C-A	97.56	97.56			97.56				

15:15 - 15:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.37	3.37	155.59	0.022	3.37	0.0	0.0	5.914	A
B-AD	2.25	2.25	94.87	0.024	2.27	0.1	0.0	9.722	A
A-BCD	0.00	0.00	143.84	0.000	0.00	0.0	0.0	0.000	A
A-B	8.99	8.99			8.99				
A-C	85.94	85.94			85.94				
D-A	2.50	2.50	85.77	0.029	2.48	0.0	0.0	9.098	A
D-BC	4.62	4.62	101.21	0.046	4.63	0.1	0.0	9.318	A
C-ABD	18.93	18.93	221.76	0.085	18.87	0.1	0.2	4.505	A
C-D	0.00	0.00			0.00				
C-A	116.84	116.84			116.84				

15:30 - 15:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	4.62	4.62	110.38	0.042	4.60	0.0	0.0	7.722	A
B-AD	6.87	6.87	82.52	0.083	6.81	0.0	0.1	11.397	B
A-BCD	0.00	0.00	150.59	0.000	0.00	0.0	0.0	0.000	A
A-B	4.50	4.50			4.50				
A-C	111.04	111.04			111.04				
D-A	1.12	1.12	164.88	0.007	1.14	0.0	0.0	9.130	A
D-BC	5.87	5.87	94.23	0.062	5.86	0.0	0.1	9.673	A
C-ABD	11.89	11.89	193.73	0.061	11.96	0.2	0.1	4.866	A
C-D	0.00	0.00			0.00				
C-A	93.28	93.28			93.28				

15:45 - 16:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	4.50	4.50	144.06	0.031	4.50	0.0	0.0	7.349	A
B-AD	7.99	7.99	89.41	0.089	7.98	0.1	0.1	11.172	B
A-BCD	0.00	0.00	152.69	0.000	0.00	0.0	0.0	0.000	A
A-B	6.75	6.75			6.75				
A-C	81.57	81.57			81.57				
D-A	0.00	0.00	172.28	0.000	0.01	0.0	0.0	0.000	A
D-BC	1.12	1.12	137.71	0.008	1.18	0.1	0.0	6.778	A
C-ABD	6.00	6.00	217.87	0.027	6.06	0.1	0.0	4.535	A
C-D	0.00	0.00			0.00				
C-A	92.05	92.05			92.05				

16:00 - 16:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	9.12	9.12	124.66	0.073	9.08	0.0	0.1	7.456	A
B-AD	3.37	3.37	84.72	0.040	3.42	0.1	0.0	12.296	B
A-BCD	0.00	0.00	147.79	0.000	0.00	0.0	0.0	0.000	A
A-B	4.50	4.50			4.50				
A-C	118.92	118.92			118.92				
D-A	0.00	0.00	164.68	0.000	0.00	0.0	0.0	0.000	A
D-BC	4.62	4.62	100.65	0.046	4.59	0.0	0.0	8.963	A
C-ABD	18.69	18.69	213.56	0.088	18.56	0.0	0.2	4.522	A
C-D	0.00	0.00			0.00				
C-A	111.34	111.34			111.34				

16:15 - 16:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	6.87	6.87	124.53	0.055	6.89	0.1	0.1	7.481	A
B-AD	5.62	5.62	89.54	0.063	5.60	0.0	0.1	10.720	B
A-BCD	0.00	0.00	148.49	0.000	0.00	0.0	0.0	0.000	A
A-B	8.99	8.99			8.99				
A-C	109.42	109.42			109.42				
D-A	3.37	3.37	164.08	0.021	3.35	0.0	0.0	5.599	A
D-BC	8.24	8.24	88.21	0.094	8.19	0.0	0.1	10.687	B
C-ABD	20.96	20.96	214.89	0.098	20.92	0.2	0.2	4.659	A
C-D	0.00	0.00			0.00				
C-A	109.08	109.08			109.08				

16:30 - 16:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.37	3.37	131.42	0.026	3.40	0.1	0.0	7.889	A
B-AD	10.12	10.12	88.16	0.115	10.06	0.1	0.1	11.505	B
A-BCD	0.00	0.00	143.77	0.000	0.00	0.0	0.0	0.000	A
A-B	5.62	5.62			5.62				
A-C	113.67	113.67			113.67				
D-A	0.00	0.00	154.38	0.000	0.02	0.0	0.0	0.000	A
D-BC	9.74	9.74	69.36	0.141	9.70	0.1	0.1	13.692	B
C-ABD	11.34	11.34	246.19	0.046	11.46	0.2	0.1	4.050	A
C-D	0.00	0.00			0.00				
C-A	140.55	140.55			140.55				

16:45 - 17:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.25	2.25	134.81	0.017	2.26	0.0	0.0	6.789	A
B-AD	3.37	3.37	87.88	0.038	3.46	0.1	0.0	10.673	B
A-BCD	0.00	0.00	148.47	0.000	0.00	0.0	0.0	0.000	A
A-B	5.62	5.62			5.62				
A-C	136.65	136.65			136.65				
D-A	1.12	1.12	160.82	0.007	1.12	0.0	0.0	5.635	A
D-BC	12.49	12.49	111.78	0.111	12.48	0.1	0.2	11.777	B
C-ABD	17.15	17.15	211.54	0.081	17.08	0.1	0.1	4.454	A
C-D	0.00	0.00			0.00				
C-A	116.25	116.25			116.25				

17:00 - 17:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.37	3.37	129.04	0.026	3.36	0.0	0.0	7.160	A
B-AD	7.87	7.87	81.72	0.096	7.80	0.0	0.1	12.166	B
A-BCD	0.00	0.00	145.21	0.000	0.00	0.0	0.0	0.000	A
A-B	7.87	7.87			7.87				
A-C	143.15	143.15			143.15				
D-A	1.25	1.25	79.55	0.016	1.24	0.0	0.0	8.763	A
D-BC	7.12	7.12	77.77	0.092	7.20	0.2	0.1	10.376	B
C-ABD	22.29	22.29	236.87	0.094	22.23	0.1	0.2	4.366	A
C-D	0.00	0.00			0.00				
C-A	127.60	127.60			127.60				

17:15 - 17:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	1.12	1.12	122.54	0.009	1.14	0.0	0.0	7.413	A
B-AD	4.50	4.50	78.13	0.058	4.54	0.1	0.1	12.235	B
A-BCD	0.00	0.00	142.87	0.000	0.00	0.0	0.0	0.000	A
A-B	12.49	12.49			12.49				
A-C	160.01	160.01			160.01				
D-A	0.00	0.00	78.20	0.000	0.01	0.0	0.0	0.000	A
D-BC	8.24	8.24	78.12	0.105	8.21	0.1	0.1	13.189	B
C-ABD	14.95	14.95	238.00	0.063	15.04	0.2	0.1	4.039	A
C-D	0.00	0.00			0.00				
C-A	138.32	138.32			138.32				

17:30 - 17:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.37	3.37	130.56	0.026	3.36	0.0	0.0	7.075	A
B-AD	8.99	8.99	81.66	0.110	8.93	0.1	0.1	12.366	B
A-BCD	0.00	0.00	139.46	0.000	0.00	0.0	0.0	0.000	A
A-B	4.50	4.50			4.50				
A-C	128.41	128.41			128.41				
D-A	1.25	1.25	76.00	0.016	1.23	0.0	0.0	12.035	B
D-BC	7.25	7.25	68.21	0.106	7.25	0.1	0.1	13.587	B
C-ABD	28.05	28.05	252.84	0.111	27.91	0.1	0.2	3.990	A
C-D	0.00	0.00			0.00				
C-A	143.45	143.45			143.45				

17:45 - 18:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.25	2.25	132.77	0.017	2.26	0.0	0.0	6.895	A
B-AD	4.50	4.50	76.67	0.059	4.56	0.1	0.1	12.491	B
A-BCD	0.00	0.00	136.99	0.000	0.00	0.0	0.0	0.000	A
A-B	6.75	6.75			6.75				
A-C	138.77	138.77			138.77				
D-A	2.37	2.37	100.84	0.023	2.36	0.0	0.0	10.119	B
D-BC	5.75	5.75	87.47	0.065	5.77	0.1	0.1	13.504	B
C-ABD	38.62	38.62	262.95	0.147	38.47	0.2	0.4	4.017	A
C-D	0.00	0.00			0.00				
C-A	151.99	151.99			151.99				

18:00 - 18:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	131.25	0.000	0.02	0.0	0.0	0.000	A
B-AD	3.37	3.37	90.76	0.037	3.40	0.1	0.0	10.306	B
A-BCD	0.00	0.00	145.17	0.000	0.00	0.0	0.0	0.000	A
A-B	7.87	7.87			7.87				
A-C	110.17	110.17			110.17				
D-A	3.37	3.37	162.01	0.021	3.37	0.0	0.0	6.911	A
D-BC	5.75	5.75	100.04	0.057	5.77	0.1	0.1	9.551	A
C-ABD	24.70	24.70	237.17	0.104	24.87	0.4	0.2	4.147	A
C-D	0.00	0.00			0.00				
C-A	133.06	133.06			133.06				

18:15 - 18:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.25	2.25	150.84	0.015	2.23	0.0	0.0	6.056	A
B-AD	3.37	3.37	102.91	0.033	3.38	0.0	0.0	9.042	A
A-BCD	0.00	0.00	146.58	0.000	0.00	0.0	0.0	0.000	A
A-B	5.62	5.62			5.62				
A-C	79.94	79.94			79.94				
D-A	1.12	1.12	173.07	0.007	1.14	0.0	0.0	5.236	A
D-BC	1.12	1.12	124.24	0.009	1.17	0.1	0.0	6.563	A
C-ABD	10.62	10.62	251.78	0.042	10.78	0.2	0.1	3.886	A
C-D	0.00	0.00			0.00				
C-A	137.90	137.90			137.90				

18:30 - 18:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.37	3.37	157.87	0.021	3.37	0.0	0.0	5.824	A
B-AD	0.00	0.00	93.28	0.000	0.03	0.0	0.0	0.000	A
A-BCD	0.00	0.00	148.23	0.000	0.00	0.0	0.0	0.000	A
A-B	5.75	5.75			5.75				
A-C	74.32	74.32			74.32				
D-A	0.00	0.00	168.05	0.000	0.01	0.0	0.0	0.000	A
D-BC	2.25	2.25	138.49	0.016	2.24	0.0	0.0	6.605	A
C-ABD	9.22	9.22	238.03	0.039	9.23	0.1	0.1	3.933	A
C-D	0.00	0.00			0.00				
C-A	116.81	116.81			116.81				

18:45 - 19:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	4.50	4.50	154.66	0.029	4.49	0.0	0.0	5.992	A
B-AD	6.75	6.75	112.90	0.060	6.68	0.0	0.1	8.466	A
A-BCD	0.00	0.00	152.26	0.000	0.00	0.0	0.0	0.000	A
A-B	1.12	1.12			1.12				
A-C	58.58	58.58			58.58				
D-A	0.00	0.00	169.79	0.000	0.00	0.0	0.0	0.000	A
D-BC	4.50	4.50	144.76	0.031	4.48	0.0	0.0	6.415	A
C-ABD	8.23	8.23	229.48	0.036	8.23	0.1	0.0	4.055	A
C-D	0.00	0.00			0.00				
C-A	99.95	99.95			99.95				

# opening yr+ 15, 12hrs

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## Data Errors and Warnings

No errors or warnings

## Junction Network

### Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	Staggered Junction	Right-Left Stagger	Two-way		1.41	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 period length (min)	Time segment length (min)	Run automatically
D6	opening yr+ 15	12hrs	DIRECT	07:00	19:00	720	15	✓

Vehicle mix varies over time	Vehicle mix varies over turn	Vehicle mix varies over entry	Vehicle mix source	PCU Factor for a HV (PCU)	O-D data varies over time
✓	✓	✓	HV Percentages	2.00	✓

### Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Scaling Factor (%)
A - R448 W		DIRECT	✓	100.000
B - L4012 N		DIRECT	✓	100.000
C - R448 E		DIRECT	✓	100.000
D - L4012 S		DIRECT	✓	100.000

## Origin-Destination Data

### Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
07:00 - 07:15	From	A - R448 W	0.00	1.20	149.07	0.00
		B - L4012 N	0.00	0.00	7.18	0.00
		C - R448 E	41.18	2.39	0.00	0.00
		D - L4012 S	0.00	0.00	10.61	0.00

### Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
07:15 - 07:30	From	A - R448 W	0.00	1.20	112.11	0.00
		B - L4012 N	2.39	0.00	5.98	0.00
		C - R448 E	70.93	2.39	0.00	0.00
		D - L4012 S	3.85	0.00	9.15	0.00

### Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
07:30 - 07:45	From	A - R448 W	0.00	0.00	121.30	0.00
		B - L4012 N	4.78	0.00	3.85	0.00
		C - R448 E	83.04	2.91	0.00	0.00
		D - L4012 S	2.39	2.39	11.29	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
07:45 - 08:00	From	A - R448 W	0.00	1.20	126.09	0.00
		B - L4012 N	5.04	0.00	13.68	0.00
		C - R448 E	123.28	3.59	0.00	0.00
		D - L4012 S	2.65	0.00	6.50	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
08:00 - 08:15	From	A - R448 W	0.00	2.39	136.29	0.00
		B - L4012 N	7.18	0.00	7.44	0.00
		C - R448 E	118.50	5.04	0.00	0.00
		D - L4012 S	0.00	0.00	5.98	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
08:15 - 08:30	From	A - R448 W	0.00	3.85	148.66	0.00
		B - L4012 N	6.24	0.00	2.39	0.00
		C - R448 E	181.21	2.65	0.00	0.00
		D - L4012 S	0.00	0.00	15.40	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
08:30 - 08:45	From	A - R448 W	0.00	9.83	131.65	0.00
		B - L4012 N	7.18	0.00	17.26	0.00
		C - R448 E	162.33	2.39	0.00	0.00
		D - L4012 S	2.39	2.39	11.02	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
08:45 - 09:00	From	A - R448 W	0.00	1.20	101.50	0.00
		B - L4012 N	7.70	0.00	8.37	0.00
		C - R448 E	143.61	7.18	0.00	0.00
		D - L4012 S	2.39	1.20	10.76	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
09:00 - 09:15	From	A - R448 W	0.00	1.46	102.17	0.00
		B - L4012 N	3.59	0.00	8.37	0.00
		C - R448 E	122.61	7.44	0.00	0.00
		D - L4012 S	3.85	0.00	5.04	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
09:15 - 09:30	From	A - R448 W	0.00	5.98	101.08	0.00
		B - L4012 N	7.18	0.00	3.59	0.00
		C - R448 E	123.96	1.20	0.00	0.00
		D - L4012 S	2.39	0.00	9.83	0.00

## Demand (Veh/TS)

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
09:30 - 09:45	From	A - R448 W	0.00	1.46	87.52	0.00
		B - L4012 N	3.59	0.00	4.11	0.00
		C - R448 E	125.26	2.39	0.00	0.00
		D - L4012 S	1.20	0.00	10.61	0.00

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**Demand (Veh/TS)**

09:45 - 10:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	2.39	95.37	0.00
	B - L4012 N	4.78	0.00	2.65	0.00
	C - R448 E	105.83	1.20	0.00	0.00
	D - L4012 S	2.65	2.39	12.33	0.00

**Demand (Veh/TS)**

10:00 - 10:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	4.78	75.04	0.00
	B - L4012 N	2.39	0.00	2.39	0.00
	C - R448 E	109.04	0.00	0.00	0.00
	D - L4012 S	0.00	1.20	3.59	0.00

**Demand (Veh/TS)**

10:15 - 10:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	3.59	90.32	0.00
	B - L4012 N	8.37	0.00	0.00	0.00
	C - R448 E	87.67	1.20	0.00	0.00
	D - L4012 S	1.20	0.00	2.65	0.00

**Demand (Veh/TS)**

10:30 - 10:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	2.39	71.04	0.00
	B - L4012 N	2.39	0.00	0.00	0.00
	C - R448 E	83.41	2.65	0.00	0.00
	D - L4012 S	1.20	0.00	1.20	0.00

**Demand (Veh/TS)**

10:45 - 11:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	2.39	67.60	0.00
	B - L4012 N	1.20	0.00	10.61	0.00
	C - R448 E	85.95	3.59	0.00	0.00
	D - L4012 S	2.39	0.00	2.39	0.00

**Demand (Veh/TS)**

11:00 - 11:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	5.98	65.10	0.00
	B - L4012 N	5.98	0.00	2.39	0.00
	C - R448 E	75.45	5.57	0.00	0.00
	D - L4012 S	1.20	0.00	2.39	0.00

**Demand (Veh/TS)**

11:15 - 11:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	4.78	84.60	0.00
	B - L4012 N	5.31	0.00	3.85	0.00
	C - R448 E	67.49	2.39	0.00	0.00
	D - L4012 S	0.00	0.00	6.50	0.00

**Demand (Veh/TS)**

11:30 - 11:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	10.76	91.93	0.00
	B - L4012 N	8.63	0.00	3.59	0.00
	C - R448 E	68.54	3.59	0.00	0.00
	D - L4012 S	0.00	2.39	3.59	0.00

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**Demand (Veh/TS)**

11:45 - 12:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	4.78	95.37	0.00
	B - L4012 N	3.59	0.00	2.39	0.00
	C - R448 E	64.16	3.59	0.00	0.00
	D - L4012 S	2.65	0.00	1.20	0.00

**Demand (Veh/TS)**

12:00 - 12:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	4.78	83.15	0.00
	B - L4012 N	3.59	0.00	0.00	0.00
	C - R448 E	74.78	1.46	0.00	0.00
	D - L4012 S	1.20	1.20	3.85	0.00

**Demand (Veh/TS)**

12:15 - 12:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	2.39	90.32	0.00
	B - L4012 N	4.78	0.00	2.39	0.00
	C - R448 E	75.19	0.00	0.00	0.00
	D - L4012 S	5.98	0.00	3.85	0.00

**Demand (Veh/TS)**

12:30 - 12:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	6.24	78.10	0.00
	B - L4012 N	1.20	0.00	2.65	0.00
	C - R448 E	72.80	2.39	0.00	0.00
	D - L4012 S	2.39	0.00	5.57	0.00

**Demand (Veh/TS)**

12:45 - 13:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	5.98	110.80	0.00
	B - L4012 N	3.59	0.00	1.20	0.00
	C - R448 E	84.75	0.00	0.00	0.00
	D - L4012 S	0.00	1.20	2.39	0.00

**Demand (Veh/TS)**

13:00 - 13:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	5.98	76.38	0.00
	B - L4012 N	2.39	0.00	2.65	0.00
	C - R448 E	110.13	6.50	0.00	0.00
	D - L4012 S	0.00	0.00	8.89	0.00

**Demand (Veh/TS)**

13:15 - 13:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	8.37	83.82	0.00
	B - L4012 N	5.31	0.00	0.00	0.00
	C - R448 E	101.24	4.78	0.00	0.00
	D - L4012 S	0.00	4.78	5.31	0.00

**Demand (Veh/TS)**

13:30 - 13:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	1.20	91.67	0.00
	B - L4012 N	4.78	0.00	0.00	0.00
	C - R448 E	98.32	1.20	0.00	0.00
	D - L4012 S	2.39	0.00	6.76	0.00

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**Demand (Veh/TS)**

13:45 - 14:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	3.59	85.28	0.00
	B - L4012 N	8.63	0.00	3.59	0.00
	C - R448 E	110.54	4.78	0.00	0.00
	D - L4012 S	1.46	0.00	6.24	0.00

**Demand (Veh/TS)**

14:00 - 14:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	5.98	100.56	0.00
	B - L4012 N	4.78	0.00	0.00	0.00
	C - R448 E	87.67	2.65	0.00	0.00
	D - L4012 S	2.65	0.00	2.65	0.00

**Demand (Veh/TS)**

14:15 - 14:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	5.98	94.32	0.00
	B - L4012 N	4.78	0.00	3.59	0.00
	C - R448 E	81.02	3.59	0.00	0.00
	D - L4012 S	2.39	0.00	7.96	0.00

**Demand (Veh/TS)**

14:30 - 14:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	2.39	87.82	0.00
	B - L4012 N	6.24	0.00	1.20	0.00
	C - R448 E	98.43	5.04	0.00	0.00
	D - L4012 S	0.00	3.59	2.39	0.00

**Demand (Veh/TS)**

14:45 - 15:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	9.83	84.49	0.00
	B - L4012 N	8.37	0.00	2.39	0.00
	C - R448 E	96.45	4.78	0.00	0.00
	D - L4012 S	1.20	0.00	1.46	0.00

**Demand (Veh/TS)**

15:00 - 15:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	8.89	121.00	0.00
	B - L4012 N	4.78	0.00	3.59	0.00
	C - R448 E	111.59	6.24	0.00	0.00
	D - L4012 S	1.20	2.39	2.65	0.00

**Demand (Veh/TS)**

15:15 - 15:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	9.57	91.93	0.00
	B - L4012 N	2.39	0.00	3.59	0.00
	C - R448 E	136.70	8.63	0.00	0.00
	D - L4012 S	2.91	2.39	2.65	0.00

**Demand (Veh/TS)**

15:30 - 15:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	4.78	119.02	0.00
	B - L4012 N	7.44	0.00	5.04	0.00
	C - R448 E	106.28	6.24	0.00	0.00
	D - L4012 S	1.20	1.20	5.31	0.00

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**Demand (Veh/TS)**

15:45 - 16:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	7.18	87.41	0.00
	B - L4012 N	8.63	0.00	4.78	0.00
	C - R448 E	100.97	3.59	0.00	0.00
	D - L4012 S	0.00	0.00	1.20	0.00

**Demand (Veh/TS)**

16:00 - 16:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	4.78	127.39	0.00
	B - L4012 N	3.59	0.00	9.83	0.00
	C - R448 E	130.46	8.63	0.00	0.00
	D - L4012 S	0.00	2.39	2.65	0.00

**Demand (Veh/TS)**

16:15 - 16:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	9.57	116.78	0.00
	B - L4012 N	5.98	0.00	7.44	0.00
	C - R448 E	129.26	9.83	0.00	0.00
	D - L4012 S	3.59	0.00	9.15	0.00

**Demand (Veh/TS)**

16:30 - 16:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	5.98	121.04	0.00
	B - L4012 N	10.76	0.00	3.59	0.00
	C - R448 E	156.92	4.78	0.00	0.00
	D - L4012 S	0.00	0.00	11.13	0.00

**Demand (Veh/TS)**

16:45 - 17:00

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	5.98	146.00	0.00
	B - L4012 N	3.59	0.00	2.39	0.00
	C - R448 E	135.24	7.44	0.00	0.00
	D - L4012 S	1.20	3.59	9.83	0.00

**Demand (Veh/TS)**

17:00 - 17:15

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	8.37	152.66	0.00
	B - L4012 N	8.37	0.00	3.59	0.00
	C - R448 E	150.27	9.57	0.00	0.00
	D - L4012 S	1.46	2.39	5.57	0.00

**Demand (Veh/TS)**

17:15 - 17:30

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	13.42	170.59	0.00
	B - L4012 N	4.78	0.00	1.20	0.00
	C - R448 E	157.44	5.98	0.00	0.00
	D - L4012 S	0.00	0.00	9.15	0.00

**Demand (Veh/TS)**

17:30 - 17:45

		To			
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S
From	A - R448 W	0.00	4.78	136.85	0.00
	B - L4012 N	9.57	0.00	3.59	0.00
	C - R448 E	172.31	10.76	0.00	0.00
	D - L4012 S	1.46	0.00	8.22	0.00

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**Demand (Veh/TS)**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
17:45 - 18:00	From	A - R448 W	0.00	7.18	148.13	0.00
		B - L4012 N	4.78	0.00	2.39	0.00
		C - R448 E	190.25	13.15	0.00	0.00
		D - L4012 S	2.65	1.20	5.04	0.00

**Demand (Veh/TS)**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
18:00 - 18:15	From	A - R448 W	0.00	8.37	117.19	0.00
		B - L4012 N	3.59	0.00	0.00	0.00
		C - R448 E	158.37	9.83	0.00	0.00
		D - L4012 S	3.59	1.20	5.04	0.00

**Demand (Veh/TS)**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
18:15 - 18:30	From	A - R448 W	0.00	5.98	85.17	0.00
		B - L4012 N	3.59	0.00	2.39	0.00
		C - R448 E	153.33	4.78	0.00	0.00
		D - L4012 S	1.20	0.00	1.20	0.00

**Demand (Veh/TS)**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
18:30 - 18:45	From	A - R448 W	0.00	6.24	79.19	0.00
		B - L4012 N	0.00	0.00	3.59	0.00
		C - R448 E	129.41	4.78	0.00	0.00
		D - L4012 S	0.00	1.20	1.20	0.00

**Demand (Veh/TS)**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
18:45 - 19:00	From	A - R448 W	0.00	1.20	62.45	0.00
		B - L4012 N	7.18	0.00	4.78	0.00
		C - R448 E	110.54	4.78	0.00	0.00
		D - L4012 S	0.00	3.59	1.20	0.00

**Vehicle Mix**

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
07:00 - 07:15	From	A - R448 W	0	0	3	0
		B - L4012 N	0	0	0	0
		C - R448 E	7	0	0	0
		D - L4012 S	0	0	55	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
07:15 - 07:30	From	A - R448 W	0	0	10	0
		B - L4012 N	0	0	0	0
		C - R448 E	12	0	0	0
		D - L4012 S	38	0	48	0

**Heavy Vehicle Percentages**

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
07:30 - 07:45	From	A - R448 W	0	0	2	0
		B - L4012 N	0	0	38	0
		C - R448 E	4	100	0	0
		D - L4012 S	0	0	26	0

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Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
07:45 - 08:00	From	A - R448 W	0	0	2	0
		B - L4012 N	29	0	21	0
		C - R448 E	6	0	0	0
		D - L4012 S	55	0	45	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
08:00 - 08:15	From	A - R448 W	0	0	10	0
		B - L4012 N	0	0	20	0
		C - R448 E	6	29	0	0
		D - L4012 S	0	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
08:15 - 08:30	From	A - R448 W	0	38	6	0
		B - L4012 N	23	0	0	0
		C - R448 E	6	55	0	0
		D - L4012 S	0	0	38	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
08:30 - 08:45	From	A - R448 W	0	15	6	0
		B - L4012 N	0	0	17	0
		C - R448 E	7	0	0	0
		D - L4012 S	0	0	13	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
08:45 - 09:00	From	A - R448 W	0	0	6	0
		B - L4012 N	38	0	0	0
		C - R448 E	5	0	0	0
		D - L4012 S	0	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
09:00 - 09:15	From	A - R448 W	0	100	3	0
		B - L4012 N	0	0	0	0
		C - R448 E	8	20	0	0
		D - L4012 S	38	0	29	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
09:15 - 09:30	From	A - R448 W	0	0	10	0
		B - L4012 N	0	0	0	0
		C - R448 E	4	0	0	0
		D - L4012 S	0	0	15	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
09:30 - 09:45	From	A - R448 W	0	100	17	0
		B - L4012 N	0	0	71	0
		C - R448 E	9	0	0	0
		D - L4012 S	0	0	55	0

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Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
09:45 - 10:00	From	A - R448 W	0	0	12	0
		B - L4012 N	0	0	55	0
		C - R448 E	22	0	0	0
		D - L4012 S	55	0	71	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
10:00 - 10:15	From	A - R448 W	0	0	16	0
		B - L4012 N	0	0	0	0
		C - R448 E	13	0	0	0
		D - L4012 S	0	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
10:15 - 10:30	From	A - R448 W	0	0	11	0
		B - L4012 N	0	0	0	0
		C - R448 E	10	0	0	0
		D - L4012 S	0	0	55	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
10:30 - 10:45	From	A - R448 W	0	0	23	0
		B - L4012 N	0	0	0	0
		C - R448 E	14	55	0	0
		D - L4012 S	0	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
10:45 - 11:00	From	A - R448 W	0	0	15	0
		B - L4012 N	0	0	55	0
		C - R448 E	7	0	0	0
		D - L4012 S	0	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
11:00 - 11:15	From	A - R448 W	0	0	4	0
		B - L4012 N	0	0	0	0
		C - R448 E	10	79	0	0
		D - L4012 S	0	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
11:15 - 11:30	From	A - R448 W	0	0	14	0
		B - L4012 N	55	0	38	0
		C - R448 E	4	0	0	0
		D - L4012 S	0	0	45	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
11:30 - 11:45	From	A - R448 W	0	0	6	0
		B - L4012 N	17	0	0	0
		C - R448 E	13	0	0	0
		D - L4012 S	0	0	0	0

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Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
11:45 - 12:00	From	A - R448 W	0	0	12	0
		B - L4012 N	0	0	0	0
		C - R448 E	7	0	0	0
		D - L4012 S	55	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
12:00 - 12:15	From	A - R448 W	0	0	12	0
		B - L4012 N	0	0	0	0
		C - R448 E	14	100	0	0
		D - L4012 S	0	0	38	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
12:15 - 12:30	From	A - R448 W	0	0	11	0
		B - L4012 N	0	0	0	0
		C - R448 E	8	0	0	0
		D - L4012 S	0	0	38	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
12:30 - 12:45	From	A - R448 W	0	23	11	0
		B - L4012 N	0	0	55	0
		C - R448 E	8	0	0	0
		D - L4012 S	0	0	79	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
12:45 - 13:00	From	A - R448 W	0	0	4	0
		B - L4012 N	0	0	0	0
		C - R448 E	7	0	0	0
		D - L4012 S	0	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
13:00 - 13:15	From	A - R448 W	0	0	8	0
		B - L4012 N	0	0	55	0
		C - R448 E	7	45	0	0
		D - L4012 S	0	0	33	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
13:15 - 13:30	From	A - R448 W	0	0	9	0
		B - L4012 N	55	0	0	0
		C - R448 E	4	0	0	0
		D - L4012 S	0	0	55	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
13:30 - 13:45	From	A - R448 W	0	0	5	0
		B - L4012 N	0	0	0	0
		C - R448 E	1	0	0	0
		D - L4012 S	0	0	65	0

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Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
13:45 - 14:00	From	A - R448 W	0	0	10	0
		B - L4012 N	17	0	0	0
		C - R448 E	3	0	0	0
		D - L4012 S	100	0	23	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
14:00 - 14:15	From	A - R448 W	0	0	7	0
		B - L4012 N	0	0	0	0
		C - R448 E	10	55	0	0
		D - L4012 S	55	0	55	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
14:15 - 14:30	From	A - R448 W	0	0	6	0
		B - L4012 N	0	0	0	0
		C - R448 E	14	0	0	0
		D - L4012 S	0	0	55	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
14:30 - 14:45	From	A - R448 W	0	0	3	0
		B - L4012 N	23	0	0	0
		C - R448 E	9	29	0	0
		D - L4012 S	0	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
14:45 - 15:00	From	A - R448 W	0	15	5	0
		B - L4012 N	0	0	0	0
		C - R448 E	5	0	0	0
		D - L4012 S	0	0	100	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
15:00 - 15:15	From	A - R448 W	0	33	12	0
		B - L4012 N	0	0	0	0
		C - R448 E	8	23	0	0
		D - L4012 S	0	0	55	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
15:15 - 15:30	From	A - R448 W	0	0	6	0
		B - L4012 N	0	0	0	0
		C - R448 E	6	17	0	0
		D - L4012 S	100	0	55	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
15:30 - 15:45	From	A - R448 W	0	0	9	0
		B - L4012 N	20	0	29	0
		C - R448 E	5	23	0	0
		D - L4012 S	0	0	55	0

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Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
15:45 - 16:00	From	A - R448 W	0	0	8	0
		B - L4012 N	17	0	0	0
		C - R448 E	3	0	0	0
		D - L4012 S	0	0	0	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
16:00 - 16:15	From	A - R448 W	0	0	8	0
		B - L4012 N	0	0	15	0
		C - R448 E	6	17	0	0
		D - L4012 S	0	0	55	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
16:15 - 16:30	From	A - R448 W	0	0	4	0
		B - L4012 N	0	0	20	0
		C - R448 E	6	15	0	0
		D - L4012 S	0	0	48	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
16:30 - 16:45	From	A - R448 W	0	0	1	0
		B - L4012 N	0	0	0	0
		C - R448 E	1	0	0	0
		D - L4012 S	0	0	79	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
16:45 - 17:00	From	A - R448 W	0	0	5	0
		B - L4012 N	0	0	0	0
		C - R448 E	5	20	0	0
		D - L4012 S	0	0	15	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
17:00 - 17:15	From	A - R448 W	0	0	3	0
		B - L4012 N	0	0	0	0
		C - R448 E	3	0	0	0
		D - L4012 S	100	0	79	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
17:15 - 17:30	From	A - R448 W	0	11	3	0
		B - L4012 N	0	0	0	0
		C - R448 E	3	0	0	0
		D - L4012 S	0	0	48	0

Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
17:30 - 17:45	From	A - R448 W	0	0	2	0
		B - L4012 N	0	0	0	0
		C - R448 E	4	0	0	0
		D - L4012 S	100	0	71	0

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### Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
17:45 - 18:00	From	A - R448 W	0	0	4	0
		B - L4012 N	0	0	0	0
		C - R448 E	4	0	0	0
		D - L4012 S	55	0	29	0

### Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
18:00 - 18:15	From	A - R448 W	0	0	0	0
		B - L4012 N	0	0	0	0
		C - R448 E	2	15	0	0
		D - L4012 S	0	0	29	0

### Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
18:15 - 18:30	From	A - R448 W	0	0	2	0
		B - L4012 N	0	0	0	0
		C - R448 E	1	0	0	0
		D - L4012 S	0	0	0	0

### Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
18:30 - 18:45	From	A - R448 W	0	23	2	0
		B - L4012 N	0	0	0	0
		C - R448 E	1	0	0	0
		D - L4012 S	0	0	0	0

### Heavy Vehicle Percentages

		To				
		A - R448 W	B - L4012 N	C - R448 E	D - L4012 S	
18:45 - 19:00	From	A - R448 W	0	0	2	0
		B - L4012 N	0	0	0	0
		C - R448 E	3	0	0	0
		D - L4012 S	0	0	0	0

## Results

### Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS	Average Demand (Veh/TS)	Total Junction Arrivals (Veh)
B-C	0.15	10.72	0.2	B	3.99	191.51
B-AD	0.13	15.07	0.1	C	5.10	244.95
A-BCD	0.00	0.00	0.0	A	0.00	0.00
A-B					5.14	246.57
A-C					104.24	5003.34
D-A	0.03	12.38	0.0	B	1.51	72.49
D-BC	0.20	14.78	0.3	B	6.77	324.79
C-ABD	0.17	6.62	0.5	A	11.00	528.03
C-D					0.00	0.00
C-A					105.32	5055.58

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## Main Results for each time segment

### 07:00 - 07:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	7.18	7.18	137.52	0.052	7.12	0.0	0.1	6.898	A
B-AD	0.00	0.00	86.13	0.000	0.00	0.0	0.0	0.000	A
A-BCD	0.00	0.00	168.84	0.000	0.00	0.0	0.0	0.000	A
A-B	1.20	1.20			1.20				
A-C	149.07	149.07			149.07				
D-A	0.00	0.00	182.45	0.000	0.00	0.0	0.0	0.000	A
D-BC	10.61	10.61	95.15	0.112	10.49	0.0	0.1	10.616	B
C-ABD	3.17	3.17	167.76	0.019	3.15	0.0	0.0	5.467	A
C-D	0.00	0.00			0.00				
C-A	40.40	40.40			40.40				

### 07:15 - 07:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	5.98	5.98	140.89	0.042	5.99	0.1	0.0	6.671	A
B-AD	2.39	2.39	93.16	0.026	2.37	0.0	0.0	9.911	A
A-BCD	0.00	0.00	159.15	0.000	0.00	0.0	0.0	0.000	A
A-B	1.20	1.20			1.20				
A-C	112.11	112.11			112.11				
D-A	3.85	3.85	128.71	0.030	3.82	0.0	0.0	7.204	A
D-BC	9.15	9.15	94.94	0.096	9.17	0.1	0.1	10.789	B
C-ABD	3.80	3.80	192.55	0.020	3.80	0.0	0.0	4.708	A
C-D	0.00	0.00			0.00				
C-A	69.52	69.52			69.52				

### 07:30 - 07:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.85	3.85	103.99	0.037	3.86	0.0	0.0	7.463	A
B-AD	4.78	4.78	95.61	0.050	4.76	0.0	0.1	9.904	A
A-BCD	0.00	0.00	158.12	0.000	0.00	0.0	0.0	0.000	A
A-B	0.00	0.00			0.00				
A-C	121.30	121.30			121.30				
D-A	2.39	2.39	170.35	0.014	2.40	0.0	0.0	6.602	A
D-BC	13.68	13.68	115.26	0.118	13.64	0.1	0.1	9.726	A
C-ABD	6.99	6.99	142.80	0.049	6.95	0.0	0.1	5.966	A
C-D	0.00	0.00			0.00				
C-A	78.96	78.96			78.96				

### 07:45 - 08:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	13.68	13.68	114.32	0.120	13.57	0.0	0.1	9.224	A
B-AD	5.04	5.04	66.82	0.076	5.03	0.1	0.1	12.891	B
A-BCD	0.00	0.00	148.53	0.000	0.00	0.0	0.0	0.000	A
A-B	1.20	1.20			1.20				
A-C	126.09	126.09			126.09				
D-A	2.65	2.65	107.18	0.025	2.65	0.0	0.0	7.149	A
D-BC	6.50	6.50	86.43	0.076	6.57	0.1	0.1	9.985	A
C-ABD	7.87	7.87	227.26	0.035	7.88	0.1	0.1	4.878	A
C-D	0.00	0.00			0.00				
C-A	119.00	119.00			119.00				

### 08:00 - 08:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	7.44	7.44	116.02	0.064	7.51	0.1	0.1	8.378	A
B-AD	7.18	7.18	85.69	0.084	7.14	0.1	0.1	12.919	B
A-BCD	0.00	0.00	148.27	0.000	0.00	0.0	0.0	0.000	A
A-B	2.39	2.39			2.39				
A-C	136.29	136.29			136.29				
D-A	0.00	0.00	106.02	0.000	0.02	0.0	0.0	0.000	A
D-BC	5.98	5.98	123.47	0.048	5.99	0.1	0.1	9.510	A
C-ABD	12.53	12.53	198.80	0.063	12.50	0.1	0.1	4.625	A
C-D	0.00	0.00			0.00				
C-A	111.01	111.01			111.01				

08:15 - 08:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.39	2.39	121.65	0.020	2.44	0.1	0.0	8.650	A
B-AD	6.24	6.24	59.47	0.105	6.24	0.1	0.1	15.068	C
A-BCD	0.00	0.00	128.21	0.000	0.00	0.0	0.0	0.000	A
A-B	3.85	3.85			3.85				
A-C	148.66	148.66			148.66				
D-A	0.00	0.00	125.49	0.000	0.00	0.0	0.0	0.000	A
D-BC	15.40	15.40	76.01	0.203	15.23	0.1	0.2	13.400	B
C-ABD	12.21	12.21	232.42	0.053	12.22	0.1	0.1	4.068	A
C-D	0.00	0.00			0.00				
C-A	171.65	171.65			171.65				

08:30 - 08:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	17.26	17.26	114.94	0.150	17.12	0.0	0.2	8.999	A
B-AD	7.18	7.18	76.49	0.094	7.16	0.1	0.1	14.502	B
A-BCD	0.00	0.00	132.63	0.000	0.00	0.0	0.0	0.000	A
A-B	9.83	9.83			9.83				
A-C	131.65	131.65			131.65				
D-A	2.39	2.39	149.38	0.016	2.37	0.0	0.0	7.926	A
D-BC	13.42	13.42	100.20	0.133	13.46	0.2	0.2	11.920	B
C-ABD	6.91	6.91	248.88	0.028	6.96	0.1	0.0	3.989	A
C-D	0.00	0.00			0.00				
C-A	157.81	157.81			157.81				

08:45 - 09:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	8.37	8.37	141.32	0.059	8.47	0.2	0.1	7.580	A
B-AD	7.70	7.70	67.54	0.114	7.70	0.1	0.1	12.886	B
A-BCD	0.00	0.00	139.49	0.000	0.00	0.0	0.0	0.000	A
A-B	1.20	1.20			1.20				
A-C	101.50	101.50			101.50				
D-A	2.39	2.39	155.93	0.015	2.40	0.0	0.0	5.863	A
D-BC	11.96	11.96	123.34	0.097	12.02	0.2	0.1	8.593	A
C-ABD	17.40	17.40	244.60	0.071	17.31	0.0	0.1	3.981	A
C-D	0.00	0.00			0.00				
C-A	133.39	133.39			133.39				

09:00 - 09:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	8.37	8.37	145.45	0.058	8.38	0.1	0.1	6.568	A
B-AD	3.59	3.59	89.12	0.040	3.65	0.1	0.1	13.244	B
A-BCD	0.00	0.00	130.77	0.000	0.00	0.0	0.0	0.000	A
A-B	1.46	1.46			1.46				
A-C	102.17	102.17			102.17				
D-A	3.85	3.85	123.64	0.031	3.84	0.0	0.0	6.706	A
D-BC	5.04	5.04	100.03	0.051	5.11	0.1	0.0	7.968	A
C-ABD	17.59	17.59	213.19	0.083	17.57	0.1	0.1	4.383	A
C-D	0.00	0.00			0.00				
C-A	112.46	112.46			112.46				

09:15 - 09:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.59	3.59	138.23	0.026	3.62	0.1	0.0	6.689	A
B-AD	7.18	7.18	93.03	0.077	7.15	0.1	0.1	10.476	B
A-BCD	0.00	0.00	138.26	0.000	0.00	0.0	0.0	0.000	A
A-B	5.98	5.98			5.98				
A-C	101.08	101.08			101.08				
D-A	2.39	2.39	162.00	0.015	2.40	0.0	0.0	6.948	A
D-BC	9.83	9.83	112.16	0.088	9.77	0.0	0.1	9.182	A
C-ABD	2.66	2.66	229.89	0.012	2.79	0.1	0.0	4.321	A
C-D	0.00	0.00			0.00				
C-A	122.49	122.49			122.49				

09:30 - 09:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	4.11	4.11	84.16	0.049	4.10	0.0	0.0	9.002	A
B-AD	3.59	3.59	90.95	0.039	3.63	0.1	0.0	10.311	B
A-BCD	0.00	0.00	125.39	0.000	0.00	0.0	0.0	0.000	A
A-B	1.46	1.46			1.46				
A-C	87.52	87.52			87.52				
D-A	1.20	1.20	159.23	0.008	1.21	0.0	0.0	5.695	A
D-BC	10.61	10.61	84.11	0.126	10.59	0.1	0.1	10.555	B
C-ABD	5.24	5.24	230.83	0.023	5.22	0.0	0.0	3.948	A
C-D	0.00	0.00			0.00				
C-A	122.42	122.42			122.42				

09:45 - 10:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.65	2.65	91.95	0.029	2.66	0.0	0.0	10.716	B
B-AD	4.78	4.78	94.71	0.051	4.77	0.0	0.1	10.005	B
A-BCD	0.00	0.00	135.62	0.000	0.00	0.0	0.0	0.000	A
A-B	2.39	2.39			2.39				
A-C	95.37	95.37			95.37				
D-A	2.65	2.65	102.43	0.026	2.64	0.0	0.0	8.009	A
D-BC	14.72	14.72	82.20	0.179	14.63	0.1	0.2	13.117	B
C-ABD	2.40	2.40	212.15	0.011	2.41	0.0	0.0	4.133	A
C-D	0.00	0.00			0.00				
C-A	104.62	104.62			104.62				

10:00 - 10:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.39	2.39	152.19	0.016	2.40	0.0	0.0	7.723	A
B-AD	2.39	2.39	102.86	0.023	2.42	0.1	0.0	8.962	A
A-BCD	0.00	0.00	141.70	0.000	0.00	0.0	0.0	0.000	A
A-B	4.78	4.78			4.78				
A-C	75.04	75.04			75.04				
D-A	0.00	0.00	107.40	0.000	0.02	0.0	0.0	0.000	A
D-BC	4.78	4.78	132.77	0.035	4.94	0.2	0.1	10.123	B
C-ABD	0.00	0.00	141.80	0.000	0.01	0.0	0.0	0.000	A
C-D	0.00	0.00			0.00				
C-A	109.04	109.04			109.04				

10:15 - 10:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	132.43	0.000	0.02	0.0	0.0	0.000	A
B-AD	8.37	8.37	103.81	0.081	8.31	0.0	0.1	9.418	A
A-BCD	0.00	0.00	149.20	0.000	0.00	0.0	0.0	0.000	A
A-B	3.59	3.59			3.59				
A-C	90.32	90.32			90.32				
D-A	1.20	1.20	173.65	0.007	1.19	0.0	0.0	7.212	A
D-BC	2.65	2.65	90.11	0.030	2.68	0.1	0.0	7.951	A
C-ABD	2.06	2.06	209.29	0.010	2.05	0.0	0.0	4.498	A
C-D	0.00	0.00			0.00				
C-A	86.81	86.81			86.81				

10:30 - 10:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	137.81	0.000	0.00	0.0	0.0	0.000	A
B-AD	2.39	2.39	106.69	0.022	2.46	0.1	0.0	8.639	A
A-BCD	0.00	0.00	150.34	0.000	0.00	0.0	0.0	0.000	A
A-B	2.39	2.39			2.39				
A-C	71.04	71.04			71.04				
D-A	1.20	1.20	186.71	0.006	1.20	0.0	0.0	4.852	A
D-BC	1.20	1.20	136.54	0.009	1.21	0.0	0.0	9.102	A
C-ABD	5.39	5.39	164.37	0.033	5.36	0.0	0.0	5.303	A
C-D	0.00	0.00			0.00				
C-A	80.67	80.67			80.67				

10:45 - 11:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	10.61	10.61	101.40	0.105	10.50	0.0	0.1	9.176	A
B-AD	1.20	1.20	96.77	0.012	1.21	0.0	0.0	9.420	A
A-BCD	0.00	0.00	152.44	0.000	0.00	0.0	0.0	0.000	A
A-B	2.39	2.39			2.39				
A-C	67.60	67.60			67.60				
D-A	2.39	2.39	187.99	0.013	2.39	0.0	0.0	4.848	A
D-BC	2.39	2.39	140.28	0.017	2.39	0.0	0.0	6.526	A
C-ABD	6.02	6.02	213.42	0.028	6.02	0.0	0.0	4.978	A
C-D	0.00	0.00			0.00				
C-A	83.52	83.52			83.52				

11:00 - 11:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.39	2.39	145.20	0.016	2.47	0.1	0.0	8.991	A
B-AD	5.98	5.98	107.59	0.056	5.93	0.0	0.1	8.850	A
A-BCD	0.00	0.00	155.91	0.000	0.00	0.0	0.0	0.000	A
A-B	5.98	5.98			5.98				
A-C	65.10	65.10			65.10				
D-A	1.20	1.20	180.87	0.007	1.20	0.0	0.0	5.008	A
D-BC	2.39	2.39	146.23	0.016	2.39	0.0	0.0	6.258	A
C-ABD	11.25	11.25	149.78	0.075	11.18	0.0	0.1	5.810	A
C-D	0.00	0.00			0.00				
C-A	69.77	69.77			69.77				

11:15 - 11:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.85	3.85	104.63	0.037	3.84	0.0	0.0	7.972	A
B-AD	5.31	5.31	70.58	0.075	5.30	0.1	0.1	11.074	B
A-BCD	0.00	0.00	157.57	0.000	0.00	0.0	0.0	0.000	A
A-B	4.78	4.78			4.78				
A-C	84.60	84.60			84.60				
D-A	0.00	0.00	176.47	0.000	0.01	0.0	0.0	0.000	A
D-BC	6.50	6.50	101.69	0.064	6.46	0.0	0.1	8.618	A
C-ABD	3.69	3.69	195.11	0.019	3.77	0.1	0.0	6.138	A
C-D	0.00	0.00			0.00				
C-A	66.20	66.20			66.20				

11:30 - 11:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.59	3.59	138.07	0.026	3.59	0.0	0.0	8.017	A
B-AD	8.63	8.63	88.37	0.097	8.58	0.1	0.1	12.802	B
A-BCD	0.00	0.00	156.91	0.000	0.00	0.0	0.0	0.000	A
A-B	10.76	10.76			10.76				
A-C	91.93	91.93			91.93				
D-A	0.00	0.00	175.37	0.000	0.00	0.0	0.0	0.000	A
D-BC	5.98	5.98	142.91	0.042	5.99	0.1	0.1	8.151	A
C-ABD	5.53	5.53	195.54	0.028	5.53	0.0	0.0	4.681	A
C-D	0.00	0.00			0.00				
C-A	66.59	66.59			66.59				

11:45 - 12:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.39	2.39	145.14	0.016	2.41	0.0	0.0	6.305	A
B-AD	3.59	3.59	107.64	0.033	3.67	0.1	0.0	9.682	A
A-BCD	0.00	0.00	159.61	0.000	0.00	0.0	0.0	0.000	A
A-B	4.78	4.78			4.78				
A-C	95.37	95.37			95.37				
D-A	2.65	2.65	129.81	0.020	2.63	0.0	0.0	6.283	A
D-BC	1.20	1.20	132.44	0.009	1.24	0.1	0.0	6.861	A
C-ABD	5.37	5.37	194.40	0.028	5.37	0.0	0.0	4.814	A
C-D	0.00	0.00			0.00				
C-A	62.39	62.39			62.39				

12:00 - 12:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	135.08	0.000	0.02	0.0	0.0	0.000	A
B-AD	3.59	3.59	105.89	0.034	3.59	0.0	0.0	8.799	A
A-BCD	0.00	0.00	155.87	0.000	0.00	0.0	0.0	0.000	A
A-B	4.78	4.78			4.78				
A-C	83.15	83.15			83.15				
D-A	1.20	1.20	173.85	0.007	1.20	0.0	0.0	7.144	A
D-BC	5.04	5.04	112.42	0.045	5.01	0.0	0.0	6.004	A
C-ABD	3.20	3.20	138.57	0.023	3.21	0.0	0.0	5.261	A
C-D	0.00	0.00			0.00				
C-A	73.04	73.04			73.04				

12:15 - 12:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.39	2.39	143.09	0.017	2.37	0.0	0.0	6.395	A
B-AD	4.78	4.78	103.36	0.046	4.77	0.0	0.0	9.127	A
A-BCD	0.00	0.00	156.51	0.000	0.00	0.0	0.0	0.000	A
A-B	2.39	2.39			2.39				
A-C	90.32	90.32			90.32				
D-A	5.98	5.98	191.60	0.031	5.96	0.0	0.0	4.848	A
D-BC	3.85	3.85	99.01	0.039	3.85	0.0	0.0	9.102	A
C-ABD	0.01	0.01	151.55	0.000	0.03	0.0	0.0	6.616	A
C-D	0.00	0.00			0.00				
C-A	75.18	75.18			75.18				

12:30 - 12:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.65	2.65	97.37	0.027	2.65	0.0	0.0	7.885	A
B-AD	1.20	1.20	99.52	0.012	1.23	0.0	0.0	9.159	A
A-BCD	0.00	0.00	153.46	0.000	0.00	0.0	0.0	0.000	A
A-B	6.24	6.24			6.24				
A-C	78.10	78.10			78.10				
D-A	2.39	2.39	177.27	0.013	2.41	0.0	0.0	5.149	A
D-BC	5.57	5.57	82.60	0.068	5.54	0.0	0.1	10.536	B
C-ABD	3.75	3.75	201.24	0.019	3.73	0.0	0.0	4.557	A
C-D	0.00	0.00			0.00				
C-A	71.44	71.44			71.44				

12:45 - 13:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	1.20	1.20	136.32	0.009	1.21	0.0	0.0	9.119	A
B-AD	3.59	3.59	100.06	0.036	3.56	0.0	0.0	9.325	A
A-BCD	0.00	0.00	153.98	0.000	0.00	0.0	0.0	0.000	A
A-B	5.98	5.98			5.98				
A-C	110.80	110.80			110.80				
D-A	0.00	0.00	174.47	0.000	0.01	0.0	0.0	0.000	A
D-BC	3.59	3.59	137.73	0.026	3.61	0.1	0.0	9.903	A
C-ABD	0.00	0.00	146.72	0.000	0.02	0.0	0.0	0.000	A
C-D	0.00	0.00			0.00				
C-A	84.75	84.75			84.75				

13:00 - 13:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.65	2.65	101.76	0.026	2.64	0.0	0.0	8.068	A
B-AD	2.39	2.39	96.88	0.025	2.40	0.0	0.0	9.526	A
A-BCD	0.00	0.00	149.63	0.000	0.00	0.0	0.0	0.000	A
A-B	5.98	5.98			5.98				
A-C	76.38	76.38			76.38				
D-A	0.00	0.00	165.84	0.000	0.00	0.0	0.0	0.000	A
D-BC	8.89	8.89	104.32	0.085	8.85	0.0	0.1	8.707	A
C-ABD	15.46	15.46	190.09	0.081	15.31	0.0	0.1	4.973	A
C-D	0.00	0.00			0.00				
C-A	101.17	101.17			101.17				

13:15 - 13:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	85.60	0.000	0.02	0.0	0.0	0.000	A
B-AD	5.31	5.31	65.80	0.081	5.26	0.0	0.1	13.116	B
A-BCD	0.00	0.00	151.22	0.000	0.00	0.0	0.0	0.000	A
A-B	8.37	8.37			8.37				
A-C	83.82	83.82			83.82				
D-A	0.00	0.00	166.82	0.000	0.00	0.0	0.0	0.000	A
D-BC	10.09	10.09	107.07	0.094	10.07	0.1	0.1	9.418	A
C-ABD	8.97	8.97	218.24	0.041	9.05	0.1	0.1	4.866	A
C-D	0.00	0.00			0.00				
C-A	97.04	97.04			97.04				

13:30 - 13:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	117.21	0.000	0.00	0.0	0.0	0.000	A
B-AD	4.78	4.78	102.11	0.046	4.80	0.1	0.1	11.984	B
A-BCD	0.00	0.00	154.10	0.000	0.00	0.0	0.0	0.000	A
A-B	1.20	1.20			1.20				
A-C	91.67	91.67			91.67				
D-A	2.39	2.39	170.34	0.014	2.38	0.0	0.0	5.358	A
D-BC	6.76	6.76	85.60	0.079	6.79	0.1	0.1	9.865	A
C-ABD	2.20	2.20	218.65	0.010	2.26	0.1	0.0	4.204	A
C-D	0.00	0.00			0.00				
C-A	97.31	97.31			97.31				

13:45 - 14:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.59	3.59	139.01	0.026	3.55	0.0	0.0	8.243	A
B-AD	8.63	8.63	84.93	0.102	8.59	0.1	0.1	11.124	B
A-BCD	0.00	0.00	149.49	0.000	0.00	0.0	0.0	0.000	A
A-B	3.59	3.59			3.59				
A-C	85.28	85.28			85.28				
D-A	1.46	1.46	84.94	0.017	1.46	0.0	0.0	7.426	A
D-BC	6.24	6.24	108.24	0.057	6.24	0.1	0.1	10.428	B
C-ABD	9.34	9.34	226.79	0.041	9.29	0.0	0.1	4.133	A
C-D	0.00	0.00			0.00				
C-A	105.99	105.99			105.99				

14:00 - 14:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	131.94	0.000	0.03	0.0	0.0	0.000	A
B-AD	4.78	4.78	100.78	0.047	4.83	0.1	0.1	10.422	B
A-BCD	0.00	0.00	154.52	0.000	0.00	0.0	0.0	0.000	A
A-B	5.98	5.98			5.98				
A-C	100.56	100.56			100.56				
D-A	2.65	2.65	119.15	0.022	2.64	0.0	0.0	8.528	A
D-BC	2.65	2.65	86.33	0.031	2.70	0.1	0.0	9.236	A
C-ABD	5.68	5.68	165.54	0.034	5.70	0.1	0.0	4.825	A
C-D	0.00	0.00			0.00				
C-A	84.64	84.64			84.64				

14:15 - 14:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.59	3.59	144.82	0.025	3.56	0.0	0.0	6.371	A
B-AD	4.78	4.78	103.11	0.046	4.79	0.1	0.0	9.153	A
A-BCD	0.00	0.00	155.68	0.000	0.00	0.0	0.0	0.000	A
A-B	5.98	5.98			5.98				
A-C	94.32	94.32			94.32				
D-A	2.39	2.39	170.47	0.014	2.40	0.0	0.0	6.892	A
D-BC	7.96	7.96	91.03	0.087	7.89	0.0	0.1	10.816	B
C-ABD	6.01	6.01	201.71	0.030	6.00	0.0	0.0	5.140	A
C-D	0.00	0.00			0.00				
C-A	78.60	78.60			78.60				

14:30 - 14:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	1.20	1.20	137.01	0.009	1.21	0.0	0.0	6.627	A
B-AD	6.24	6.24	83.10	0.075	6.22	0.0	0.1	10.689	B
A-BCD	0.00	0.00	152.65	0.000	0.00	0.0	0.0	0.000	A
A-B	2.39	2.39			2.39				
A-C	87.82	87.82			87.82				
D-A	0.00	0.00	168.76	0.000	0.02	0.0	0.0	0.000	A
D-BC	5.98	5.98	137.64	0.043	6.01	0.1	0.1	9.033	A
C-ABD	10.42	10.42	191.28	0.055	10.39	0.0	0.1	4.771	A
C-D	0.00	0.00			0.00				
C-A	93.05	93.05			93.05				

14:45 - 15:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.39	2.39	139.81	0.017	2.38	0.0	0.0	6.548	A
B-AD	8.37	8.37	102.47	0.082	8.35	0.1	0.1	10.583	B
A-BCD	0.00	0.00	151.10	0.000	0.00	0.0	0.0	0.000	A
A-B	9.83	9.83			9.83				
A-C	84.49	84.49			84.49				
D-A	1.20	1.20	174.45	0.007	1.19	0.0	0.0	5.194	A
D-BC	1.46	1.46	70.00	0.021	1.50	0.1	0.0	7.952	A
C-ABD	8.64	8.64	217.15	0.040	8.65	0.1	0.1	4.712	A
C-D	0.00	0.00			0.00				
C-A	92.60	92.60			92.60				

15:00 - 15:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.59	3.59	137.95	0.026	3.58	0.0	0.0	6.697	A
B-AD	4.78	4.78	91.57	0.052	4.82	0.1	0.1	10.381	B
A-BCD	0.00	0.00	142.19	0.000	0.00	0.0	0.0	0.000	A
A-B	8.89	8.89			8.89				
A-C	121.00	121.00			121.00				
D-A	1.20	1.20	166.24	0.007	1.20	0.0	0.0	5.452	A
D-BC	5.04	5.04	98.28	0.051	5.00	0.0	0.1	10.891	B
C-ABD	14.40	14.40	197.42	0.073	14.35	0.1	0.1	4.702	A
C-D	0.00	0.00			0.00				
C-A	103.42	103.42			103.42				

15:15 - 15:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.59	3.59	153.75	0.023	3.59	0.0	0.0	5.995	A
B-AD	2.39	2.39	91.73	0.026	2.42	0.1	0.0	10.079	B
A-BCD	0.00	0.00	141.26	0.000	0.00	0.0	0.0	0.000	A
A-B	9.57	9.57			9.57				
A-C	91.93	91.93			91.93				
D-A	2.91	2.91	84.91	0.034	2.89	0.0	0.0	9.339	A
D-BC	5.04	5.04	96.08	0.053	5.05	0.1	0.1	9.886	A
C-ABD	22.00	22.00	225.61	0.097	21.91	0.1	0.2	4.492	A
C-D	0.00	0.00			0.00				
C-A	123.33	123.33			123.33				

15:30 - 15:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	5.04	5.04	106.75	0.047	5.02	0.0	0.0	7.994	A
B-AD	7.44	7.44	78.53	0.095	7.36	0.0	0.1	12.090	B
A-BCD	0.00	0.00	148.44	0.000	0.00	0.0	0.0	0.000	A
A-B	4.78	4.78			4.78				
A-C	119.02	119.02			119.02				
D-A	1.20	1.20	162.07	0.007	1.21	0.0	0.0	9.382	A
D-BC	6.50	6.50	90.07	0.072	6.48	0.1	0.1	10.218	B
C-ABD	13.76	13.76	195.82	0.070	13.84	0.2	0.1	4.865	A
C-D	0.00	0.00			0.00				
C-A	98.76	98.76			98.76				

15:45 - 16:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	4.78	4.78	141.88	0.034	4.79	0.0	0.0	7.555	A
B-AD	8.63	8.63	86.43	0.100	8.62	0.1	0.1	11.700	B
A-BCD	0.00	0.00	150.78	0.000	0.00	0.0	0.0	0.000	A
A-B	7.18	7.18			7.18				
A-C	87.41	87.41			87.41				
D-A	0.00	0.00	170.43	0.000	0.01	0.0	0.0	0.000	A
D-BC	1.20	1.20	134.08	0.009	1.26	0.1	0.0	9.138	A
C-ABD	6.67	6.67	220.46	0.030	6.74	0.1	0.0	4.559	A
C-D	0.00	0.00			0.00				
C-A	97.90	97.90			97.90				

16:00 - 16:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	9.83	9.83	121.32	0.081	9.79	0.0	0.1	7.702	A
B-AD	3.59	3.59	81.07	0.044	3.65	0.1	0.1	13.025	B
A-BCD	0.00	0.00	145.46	0.000	0.00	0.0	0.0	0.000	A
A-B	4.78	4.78			4.78				
A-C	127.39	127.39			127.39				
D-A	0.00	0.00	162.10	0.000	0.00	0.0	0.0	0.000	A
D-BC	5.04	5.04	95.87	0.053	5.00	0.0	0.1	9.459	A
C-ABD	21.71	21.71	216.86	0.100	21.55	0.0	0.2	4.514	A
C-D	0.00	0.00			0.00				
C-A	117.38	117.38			117.38				

16:15 - 16:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	7.44	7.44	121.20	0.061	7.46	0.1	0.1	7.727	A
B-AD	5.98	5.98	85.86	0.070	5.96	0.1	0.1	11.261	B
A-BCD	0.00	0.00	146.20	0.000	0.00	0.0	0.0	0.000	A
A-B	9.57	9.57			9.57				
A-C	116.78	116.78			116.78				
D-A	3.59	3.59	160.90	0.022	3.56	0.0	0.0	5.720	A
D-BC	9.15	9.15	84.21	0.109	9.09	0.1	0.1	11.385	B
C-ABD	24.25	24.25	218.23	0.111	24.20	0.2	0.2	4.658	A
C-D	0.00	0.00			0.00				
C-A	114.84	114.84			114.84				

16:30 - 16:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.59	3.59	128.76	0.028	3.62	0.1	0.0	8.147	A
B-AD	10.76	10.76	84.62	0.127	10.69	0.1	0.1	12.164	B
A-BCD	0.00	0.00	141.41	0.000	0.00	0.0	0.0	0.000	A
A-B	5.98	5.98			5.98				
A-C	121.04	121.04			121.04				
D-A	0.00	0.00	150.87	0.000	0.02	0.0	0.0	0.000	A
D-BC	11.13	11.13	66.43	0.168	11.07	0.1	0.2	14.776	B
C-ABD	12.94	12.94	250.90	0.051	13.10	0.2	0.1	4.009	A
C-D	0.00	0.00			0.00				
C-A	148.76	148.76			148.76				

16:45 - 17:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.39	2.39	132.14	0.018	2.41	0.0	0.0	6.937	A
B-AD	3.59	3.59	83.80	0.043	3.69	0.1	0.0	11.246	B
A-BCD	0.00	0.00	146.18	0.000	0.00	0.0	0.0	0.000	A
A-B	5.98	5.98			5.98				
A-C	146.00	146.00			146.00				
D-A	1.20	1.20	157.91	0.008	1.19	0.0	0.0	5.742	A
D-BC	13.42	13.42	106.80	0.125	13.41	0.2	0.2	12.688	B
C-ABD	20.10	20.10	215.12	0.093	20.01	0.1	0.2	4.435	A
C-D	0.00	0.00			0.00				
C-A	122.58	122.58			122.58				

17:00 - 17:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.59	3.59	126.19	0.028	3.58	0.0	0.0	7.339	A
B-AD	8.37	8.37	77.81	0.108	8.30	0.0	0.1	12.935	B
A-BCD	0.00	0.00	142.83	0.000	0.00	0.0	0.0	0.000	A
A-B	8.37	8.37			8.37				
A-C	152.66	152.66			152.66				
D-A	1.46	1.46	77.99	0.019	1.45	0.0	0.0	9.094	A
D-BC	7.96	7.96	73.65	0.109	8.05	0.2	0.1	11.120	B
C-ABD	25.49	25.49	241.26	0.106	25.42	0.2	0.2	4.349	A
C-D	0.00	0.00			0.00				
C-A	134.35	134.35			134.35				

17:15 - 17:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	1.20	1.20	119.60	0.010	1.21	0.0	0.0	7.605	A
B-AD	4.78	4.78	73.88	0.065	4.83	0.1	0.1	13.045	B
A-BCD	0.00	0.00	140.33	0.000	0.00	0.0	0.0	0.000	A
A-B	13.42	13.42			13.42				
A-C	170.60	170.60			170.60				
D-A	0.00	0.00	76.54	0.000	0.01	0.0	0.0	0.000	A
D-BC	9.15	9.15	73.57	0.124	9.11	0.1	0.1	14.304	B
C-ABD	17.22	17.22	242.62	0.071	17.33	0.2	0.1	4.000	A
C-D	0.00	0.00			0.00				
C-A	146.20	146.20			146.20				

17:30 - 17:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.59	3.59	127.84	0.028	3.57	0.0	0.0	7.242	A
B-AD	9.57	9.57	77.64	0.123	9.50	0.1	0.1	13.194	B
A-BCD	0.00	0.00	136.61	0.000	0.00	0.0	0.0	0.000	A
A-B	4.78	4.78			4.78				
A-C	136.85	136.85			136.85				
D-A	1.46	1.46	74.11	0.020	1.44	0.0	0.0	12.382	B
D-BC	8.22	8.22	64.57	0.128	8.23	0.1	0.1	14.723	B
C-ABD	32.42	32.42	258.39	0.125	32.24	0.1	0.3	3.967	A
C-D	0.00	0.00			0.00				
C-A	150.66	150.66			150.66				

17:45 - 18:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.39	2.39	130.16	0.018	2.40	0.0	0.0	7.044	A
B-AD	4.78	4.78	72.44	0.066	4.85	0.1	0.1	13.326	B
A-BCD	0.00	0.00	133.97	0.000	0.00	0.0	0.0	0.000	A
A-B	7.18	7.18			7.18				
A-C	148.14	148.14			148.14				
D-A	2.65	2.65	97.06	0.027	2.64	0.0	0.0	10.520	B
D-BC	6.24	6.24	81.98	0.075	6.27	0.1	0.1	14.636	B
C-ABD	45.10	45.10	269.36	0.167	44.91	0.3	0.5	4.020	A
C-D	0.00	0.00			0.00				
C-A	158.30	158.30			158.30				

18:00 - 18:15

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	0.00	0.00	129.55	0.000	0.02	0.0	0.0	0.000	A
B-AD	3.59	3.59	87.43	0.041	3.62	0.1	0.0	10.740	B
A-BCD	0.00	0.00	142.84	0.000	0.00	0.0	0.0	0.000	A
A-B	8.37	8.37			8.37				
A-C	117.19	117.19			117.19				
D-A	3.59	3.59	158.91	0.022	3.59	0.0	0.0	7.151	A
D-BC	6.24	6.24	95.58	0.065	6.27	0.1	0.1	10.082	B
C-ABD	28.79	28.79	242.09	0.119	29.01	0.5	0.3	4.137	A
C-D	0.00	0.00			0.00				
C-A	139.42	139.42			139.42				

18:15 - 18:30

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	2.39	2.39	149.50	0.016	2.38	0.0	0.0	6.117	A
B-AD	3.59	3.59	100.29	0.036	3.59	0.0	0.0	9.309	A
A-BCD	0.00	0.00	144.40	0.000	0.00	0.0	0.0	0.000	A
A-B	5.98	5.98			5.98				
A-C	85.17	85.17			85.17				
D-A	1.20	1.20	170.41	0.007	1.22	0.0	0.0	5.321	A
D-BC	1.20	1.20	120.71	0.010	1.25	0.1	0.0	6.915	A
C-ABD	12.02	12.02	256.82	0.047	12.22	0.3	0.1	3.835	A
C-D	0.00	0.00			0.00				
C-A	146.10	146.10			146.10				

18:30 - 18:45

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	3.59	3.59	156.64	0.023	3.58	0.0	0.0	5.879	A
B-AD	0.00	0.00	91.21	0.000	0.04	0.0	0.0	0.000	A
A-BCD	0.00	0.00	146.18	0.000	0.00	0.0	0.0	0.000	A
A-B	6.24	6.24			6.24				
A-C	79.19	79.19			79.19				
D-A	0.00	0.00	166.05	0.000	0.01	0.0	0.0	0.000	A
D-BC	2.39	2.39	135.36	0.018	2.39	0.0	0.0	6.767	A
C-ABD	10.31	10.31	242.06	0.043	10.33	0.1	0.1	3.883	A
C-D	0.00	0.00			0.00				
C-A	123.88	123.88			123.88				

18:45 - 19:00

Stream	Total Demand (Veh/TS)	Junction Arrivals (Veh)	Capacity (Veh/TS)	RFC	Throughput (Veh/TS)	Start queue (Veh)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-C	4.78	4.78	153.55	0.031	4.77	0.0	0.0	6.049	A
B-AD	7.18	7.18	110.90	0.065	7.11	0.0	0.1	8.666	A
A-BCD	0.00	0.00	150.40	0.000	0.00	0.0	0.0	0.000	A
A-B	1.20	1.20			1.20				
A-C	62.45	62.45			62.45				
D-A	0.00	0.00	167.84	0.000	0.00	0.0	0.0	0.000	A
D-BC	4.78	4.78	142.01	0.034	4.77	0.0	0.0	6.557	A
C-ABD	9.13	9.13	232.92	0.039	9.14	0.1	0.1	4.008	A
C-D	0.00	0.00			0.00				
C-A	106.19	106.19			106.19				