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MALONE O'REGAN

**Environmental Impact Assessment
Report (EIAR) – Volume 3
Appendices Part 4**

**Proposed Whitestown Sand &
Gravel Quarry**

On behalf of

**Mr. James Metcalfe & Mr.
Thomas Metcalfe**

Whitestown Lower, Co. Wicklow



Environmental Impact Assessment Report (EIAR) – Volume 3
Proposed Whitestown Sand & Gravel Quarry
Mr. James Metcalfe & Mr. Thomas Metcalfe
Whitestown Lower, Co. Wicklow

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APPENDICES

Appendix 13-3: Junction Capacity Analysis (Part B)

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APPENDIX 13

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APPENDIX 13-3

Opening yr +dev +adj,

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Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	T-Junction site access	T-Junction	Two-way		0.76	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario 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
D7	Opening yr +dev +adj	DIRECT	07:00	19:00	720	15	✓	Simple	D2 +D3 + D4

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 - N81 North		DIRECT	✓	100.000
B - Site Access		DIRECT	✓	100.000
C - N81 South		DIRECT	✓	100.000

Origin-Destination Data

Demand (Veh/TS)

07:00 - 07:15		To			
	From		A - N81 North	B - Site Access	C - N81 South
		A - N81 North	0.00	0.78	11.44
		B - Site Access	0.40	0.00	0.51
		C - N81 South	86.03	0.78	0.00

Demand (Veh/TS)

07:15 - 07:30		To			
	From		A - N81 North	B - Site Access	C - N81 South
		A - N81 North	0.00	0.78	11.44
		B - Site Access	0.40	0.00	0.51
		C - N81 South	74.79	1.79	0.00

Demand (Veh/TS)

07:30 - 07:45		To			
	From		A - N81 North	B - Site Access	C - N81 South
		A - N81 North	0.00	0.78	18.61
		B - Site Access	0.40	0.00	0.51
		C - N81 South	91.15	0.78	0.00

Demand (Veh/TS)

07:45 - 08:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.78	28.73
	B - Site Access	0.40	0.00	0.51
	C - N81 South	73.84	1.79	0.00

Demand (Veh/TS)

08:00 - 08:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.40	29.31
	B - Site Access	0.42	0.00	0.53
	C - N81 South	73.94	1.40	0.00

Demand (Veh/TS)

08:15 - 08:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.40	30.12
	B - Site Access	0.42	0.00	0.53
	C - N81 South	93.20	1.40	0.00

Demand (Veh/TS)

08:30 - 08:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	2.44	40.28
	B - Site Access	0.42	0.00	0.53
	C - N81 South	100.28	1.40	0.00

Demand (Veh/TS)

08:45 - 09:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	2.44	43.44
	B - Site Access	1.46	0.00	0.53
	C - N81 South	71.87	1.40	0.00

Demand (Veh/TS)

09:00 - 09:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.64	31.39
	B - Site Access	0.47	0.00	0.60
	C - N81 South	50.64	0.64	0.00

Demand (Veh/TS)

09:15 - 09:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.64	33.58
	B - Site Access	2.55	0.00	0.60
	C - N81 South	42.47	2.72	0.00

Demand (Veh/TS)

09:30 - 09:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.64	33.61
	B - Site Access	0.47	0.00	1.64
	C - N81 South	32.29	0.64	0.00

Demand (Veh/TS)

09:45 - 10:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.64	23.43
	B - Site Access	0.47	0.00	1.64
	C - N81 South	45.61	0.64	0.00

Demand (Veh/TS)

10:00 - 10:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	3.52	17.96
	B - Site Access	0.39	0.00	1.53
	C - N81 South	30.17	0.40	0.00

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Demand (Veh/TS)

10:15 - 10:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.44	27.19
	B - Site Access	0.39	0.00	0.49
	C - N81 South	32.21	0.40	0.00

Demand (Veh/TS)

10:30 - 10:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.44	36.33
	B - Site Access	1.43	0.00	1.53
	C - N81 South	27.08	1.44	0.00

Demand (Veh/TS)

10:45 - 11:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.44	33.32
	B - Site Access	0.39	0.00	0.49
	C - N81 South	35.34	0.40	0.00

Demand (Veh/TS)

11:00 - 11:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.42	32.26
	B - Site Access	0.35	0.00	0.44
	C - N81 South	28.12	0.42	0.00

Demand (Veh/TS)

11:15 - 11:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.42	21.02
	B - Site Access	1.38	0.00	0.44
	C - N81 South	31.14	0.42	0.00

Demand (Veh/TS)

11:30 - 11:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.42	36.33
	B - Site Access	0.35	0.00	0.44
	C - N81 South	36.20	0.42	0.00

Demand (Veh/TS)

11:45 - 12:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.42	25.15
	B - Site Access	0.35	0.00	0.44
	C - N81 South	31.10	0.42	0.00

Demand (Veh/TS)

12:00 - 12:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.31	31.21
	B - Site Access	0.35	0.00	0.44
	C - N81 South	19.93	0.31	0.00

Demand (Veh/TS)

12:15 - 12:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.31	27.99
	B - Site Access	1.38	0.00	0.44
	C - N81 South	32.12	1.35	0.00

Demand (Veh/TS)

12:30 - 12:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.31	36.11
	B - Site Access	0.35	0.00	0.44
	C - N81 South	25.03	0.31	0.00

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Demand (Veh/TS)

12:45 - 13:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.31	25.96
	B - Site Access	0.35	0.00	0.44
	C - N81 South	28.03	0.31	0.00

Demand (Veh/TS)

13:00 - 13:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.51	36.49
	B - Site Access	0.48	0.00	0.61
	C - N81 South	32.31	0.51	0.00

Demand (Veh/TS)

13:15 - 13:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.55	25.28
	B - Site Access	0.48	0.00	1.65
	C - N81 South	31.34	0.51	0.00

Demand (Veh/TS)

13:30 - 13:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.51	28.32
	B - Site Access	1.52	0.00	0.61
	C - N81 South	29.35	1.55	0.00

Demand (Veh/TS)

13:45 - 14:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.55	38.55
	B - Site Access	0.48	0.00	0.61
	C - N81 South	28.22	0.51	0.00

Demand (Veh/TS)

14:00 - 14:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.61	41.64
	B - Site Access	0.51	0.00	1.69
	C - N81 South	27.26	0.57	0.00

Demand (Veh/TS)

14:15 - 14:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.61	36.56
	B - Site Access	0.51	0.00	1.69
	C - N81 South	26.37	0.57	0.00

Demand (Veh/TS)

14:30 - 14:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.57	38.68
	B - Site Access	1.55	0.00	1.69
	C - N81 South	36.44	1.61	0.00

Demand (Veh/TS)

14:45 - 15:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.57	34.51
	B - Site Access	1.55	0.00	0.65
	C - N81 South	39.53	1.61	0.00

Demand (Veh/TS)

15:00 - 15:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.46	35.39
	B - Site Access	0.34	0.00	0.43
	C - N81 South	31.20	0.46	0.00

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Demand (Veh/TS)

15:15 - 15:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.46	44.48
	B - Site Access	0.34	0.00	0.43
	C - N81 South	31.11	0.46	0.00

Demand (Veh/TS)

15:30 - 15:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.46	38.46
	B - Site Access	0.34	0.00	0.43
	C - N81 South	39.14	0.46	0.00

Demand (Veh/TS)

15:45 - 16:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.46	57.71
	B - Site Access	0.34	0.00	0.43
	C - N81 South	31.00	0.46	0.00

Demand (Veh/TS)

16:00 - 16:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.39	94.14
	B - Site Access	0.32	0.00	0.40
	C - N81 South	25.91	0.35	0.00

Demand (Veh/TS)

16:15 - 16:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.37	66.76
	B - Site Access	0.32	0.00	1.44
	C - N81 South	45.32	0.35	0.00

Demand (Veh/TS)

16:30 - 16:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.35	81.92
	B - Site Access	0.32	0.00	0.40
	C - N81 South	33.09	1.39	0.00

Demand (Veh/TS)

16:45 - 17:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.35	82.94
	B - Site Access	0.32	0.00	1.44
	C - N81 South	31.08	1.39	0.00

Demand (Veh/TS)

17:00 - 17:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.12	80.52
	B - Site Access	0.38	0.00	1.52
	C - N81 South	24.60	1.16	0.00

Demand (Veh/TS)

17:15 - 17:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.12	90.74
	B - Site Access	2.19	0.00	2.50
	C - N81 South	26.63	1.16	0.00

Demand (Veh/TS)

17:30 - 17:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.12	89.66
	B - Site Access	2.16	0.00	1.46
	C - N81 South	35.77	0.12	0.00

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Demand (Veh/TS)

17:45 - 18:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.12	85.62
	B - Site Access	1.15	0.00	1.46
	C - N81 South	32.74	0.12	0.00

Demand (Veh/TS)

18:00 - 18:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.26	77.32
	B - Site Access	0.88	0.00	2.16
	C - N81 South	33.73	1.29	0.00

Demand (Veh/TS)

18:15 - 18:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.26	66.11
	B - Site Access	0.11	0.00	0.14
	C - N81 South	28.63	0.26	0.00

Demand (Veh/TS)

18:30 - 18:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.26	58.97
	B - Site Access	0.11	0.00	1.18
	C - N81 South	24.55	1.29	0.00

Demand (Veh/TS)

18:45 - 19:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.29	46.81
	B - Site Access	0.11	0.00	0.14
	C - N81 South	130.18	0.26	0.00

Vehicle Mix

Heavy Vehicle Percentages

07:00 - 07:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	29
	B - Site Access	100	0	100
	C - N81 South	6	100	0

Heavy Vehicle Percentages

07:15 - 07:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	29
	B - Site Access	100	0	100
	C - N81 South	2	43	0

Heavy Vehicle Percentages

07:30 - 07:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	35
	B - Site Access	100	0	100
	C - N81 South	8	100	0

Heavy Vehicle Percentages

07:45 - 08:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	15
	B - Site Access	100	0	100
	C - N81 South	6	43	0

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Heavy Vehicle Percentages

08:00 - 08:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	64	10
	B - Site Access	100	0	100
	C - N81 South	11	64	0

Heavy Vehicle Percentages

08:15 - 08:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	64	13
	B - Site Access	100	0	100
	C - N81 South	6	64	0

Heavy Vehicle Percentages

08:30 - 08:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	79	10
	B - Site Access	100	0	100
	C - N81 South	5	64	0

Heavy Vehicle Percentages

08:45 - 09:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	79	21
	B - Site Access	100	0	100
	C - N81 South	8	64	0

Heavy Vehicle Percentages

09:00 - 09:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	23
	B - Site Access	100	0	100
	C - N81 South	14	100	0

Heavy Vehicle Percentages

09:15 - 09:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	12
	B - Site Access	100	0	100
	C - N81 South	12	100	0

Heavy Vehicle Percentages

09:30 - 09:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	15
	B - Site Access	100	0	100
	C - N81 South	12	100	0

Heavy Vehicle Percentages

09:45 - 10:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	18
	B - Site Access	100	0	100
	C - N81 South	20	100	0

Heavy Vehicle Percentages

10:00 - 10:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	15
	B - Site Access	100	0	100
	C - N81 South	19	100	0

Heavy Vehicle Percentages

10:15 - 10:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	25
	B - Site Access	100	0	100
	C - N81 South	18	100	0

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Heavy Vehicle Percentages

10:30 - 10:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	19
	B - Site Access	100	0	100
	C - N81 South	14	100	0

Heavy Vehicle Percentages

10:45 - 11:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	27
	B - Site Access	100	0	100
	C - N81 South	28	100	0

Heavy Vehicle Percentages

11:00 - 11:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	18
	B - Site Access	100	0	100
	C - N81 South	28	100	0

Heavy Vehicle Percentages

11:15 - 11:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	13
	B - Site Access	100	0	100
	C - N81 South	22	100	0

Heavy Vehicle Percentages

11:30 - 11:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	16
	B - Site Access	100	0	100
	C - N81 South	16	100	0

Heavy Vehicle Percentages

11:45 - 12:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	23
	B - Site Access	100	0	100
	C - N81 South	15	100	0

Heavy Vehicle Percentages

12:00 - 12:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	38
	B - Site Access	100	0	100
	C - N81 South	24	100	0

Heavy Vehicle Percentages

12:15 - 12:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	13
	B - Site Access	100	0	100
	C - N81 South	15	100	0

Heavy Vehicle Percentages

12:30 - 12:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	10
	B - Site Access	100	0	100
	C - N81 South	23	100	0

Heavy Vehicle Percentages

12:45 - 13:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	14
	B - Site Access	100	0	100
	C - N81 South	13	100	0

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Heavy Vehicle Percentages

13:00 - 13:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	19
	B - Site Access	100	0	100
	C - N81 South	12	100	0

Heavy Vehicle Percentages

13:15 - 13:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	20
	B - Site Access	100	0	100
	C - N81 South	19	100	0

Heavy Vehicle Percentages

13:30 - 13:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	18
	B - Site Access	100	0	100
	C - N81 South	27	100	0

Heavy Vehicle Percentages

13:45 - 14:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	21
	B - Site Access	100	0	100
	C - N81 South	10	100	0

Heavy Vehicle Percentages

14:00 - 14:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	15
	B - Site Access	100	0	100
	C - N81 South	11	100	0

Heavy Vehicle Percentages

14:15 - 14:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	17
	B - Site Access	100	0	100
	C - N81 South	35	100	0

Heavy Vehicle Percentages

14:30 - 14:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	26
	B - Site Access	100	0	100
	C - N81 South	14	100	0

Heavy Vehicle Percentages

14:45 - 15:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	15
	B - Site Access	100	0	100
	C - N81 South	18	100	0

Heavy Vehicle Percentages

15:00 - 15:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	20
	B - Site Access	100	0	100
	C - N81 South	32	100	0

Heavy Vehicle Percentages

15:15 - 15:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	11
	B - Site Access	100	0	100
	C - N81 South	18	100	0

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Heavy Vehicle Percentages

15:30 - 15:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	21
	B - Site Access	100	0	100
	C - N81 South	4	100	0

Heavy Vehicle Percentages

15:45 - 16:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	10
	B - Site Access	100	0	100
	C - N81 South	2	100	0

Heavy Vehicle Percentages

16:00 - 16:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	7
	B - Site Access	100	0	100
	C - N81 South	6	100	0

Heavy Vehicle Percentages

16:15 - 16:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	26	13
	B - Site Access	100	0	100
	C - N81 South	15	100	0

Heavy Vehicle Percentages

16:30 - 16:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	7
	B - Site Access	100	0	100
	C - N81 South	14	100	0

Heavy Vehicle Percentages

16:45 - 17:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	7
	B - Site Access	100	0	100
	C - N81 South	18	100	0

Heavy Vehicle Percentages

17:00 - 17:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	5
	B - Site Access	100	0	100
	C - N81 South	7	100	0

Heavy Vehicle Percentages

17:15 - 17:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	8
	B - Site Access	80	0	78
	C - N81 South	6	100	0

Heavy Vehicle Percentages

17:30 - 17:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	5
	B - Site Access	33	0	62
	C - N81 South	5	100	0

Heavy Vehicle Percentages

17:45 - 18:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	6
	B - Site Access	62	0	62
	C - N81 South	8	100	0

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Heavy Vehicle Percentages

18:00 - 18:15

		To		
From		A - N81 North	B - Site Access	C - N81 South
	A - N81 North	0	100	5
	B - Site Access	50	0	74
	C - N81 South	7	100	0

Heavy Vehicle Percentages

18:15 - 18:30

		To		
From		A - N81 North	B - Site Access	C - N81 South
	A - N81 North	0	100	3
	B - Site Access	100	0	100
	C - N81 South	4	100	0

Heavy Vehicle Percentages

18:30 - 18:45

		To		
From		A - N81 North	B - Site Access	C - N81 South
	A - N81 North	0	100	2
	B - Site Access	100	0	100
	C - N81 South	1	100	0

Heavy Vehicle Percentages

18:45 - 19:00

		To		
From		A - N81 North	B - Site Access	C - N81 South
	A - N81 North	0	100	5
	B - Site Access	100	0	100
	C - N81 South	0	100	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	0.03	15.26	0.0	C	0.86	41.41
B-A	0.05	23.36	0.1	C	0.68	32.51
C-A					42.67	2048.08
C-B	0.04	13.31	0.0	B	0.84	40.42
A-B					0.84	40.45
A-C					43.00	2063.80

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	0.51	0.51	75.31	0.007	0.50	0.0	0.0	12.030	B
B-A	0.40	0.40	50.15	0.008	0.39	0.0	0.0	18.082	C
C-A	86.03	86.03			86.03				
C-B	0.78	0.78	79.10	0.010	0.77	0.0	0.0	11.487	B
A-B	0.78	0.78			0.78				
A-C	11.44	11.44			11.44				

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	0.51	0.51	75.30	0.007	0.51	0.0	0.0	12.032	B
B-A	0.40	0.40	51.01	0.008	0.40	0.0	0.0	17.782	C
C-A	74.79	74.79			74.79				
C-B	1.79	1.79	110.08	0.016	1.79	0.0	0.0	9.301	A
A-B	0.78	0.78			0.78				
A-C	11.44	11.44			11.44				

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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	0.51	0.51	74.06	0.007	0.51	0.0	0.0	12.234	B
B-A	0.40	0.40	48.61	0.008	0.40	0.0	0.0	18.667	C
C-A	91.15	91.15			91.15				
C-B	0.78	0.78	78.32	0.010	0.79	0.0	0.0	9.362	A
A-B	0.78	0.78			0.78				
A-C	18.61	18.61			18.61				

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	0.51	0.51	73.10	0.007	0.51	0.0	0.0	12.396	B
B-A	0.40	0.40	48.90	0.008	0.40	0.0	0.0	18.554	C
C-A	73.84	73.84			73.84				
C-B	1.79	1.79	106.92	0.017	1.78	0.0	0.0	9.583	A
A-B	0.78	0.78			0.78				
A-C	28.73	28.73			28.73				

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	0.53	0.53	73.16	0.007	0.53	0.0	0.0	12.391	B
B-A	0.42	0.42	48.78	0.009	0.42	0.0	0.0	18.609	C
C-A	73.94	73.94			73.94				
C-B	1.40	1.40	93.71	0.015	1.40	0.0	0.0	9.063	A
A-B	1.40	1.40			1.40				
A-C	29.31	29.31			29.31				

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	0.53	0.53	72.93	0.007	0.53	0.0	0.0	12.430	B
B-A	0.42	0.42	47.43	0.009	0.42	0.0	0.0	19.145	C
C-A	93.20	93.20			93.20				
C-B	1.40	1.40	93.26	0.015	1.40	0.0	0.0	9.796	A
A-B	1.40	1.40			1.40				
A-C	30.12	30.12			30.12				

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	0.53	0.53	71.62	0.007	0.53	0.0	0.0	12.660	B
B-A	0.42	0.42	45.85	0.009	0.42	0.0	0.0	19.812	C
C-A	100.28	100.28			100.28				
C-B	1.40	1.40	91.39	0.015	1.40	0.0	0.0	10.000	A
A-B	2.44	2.44			2.44				
A-C	40.28	40.28			40.28				

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	0.53	0.53	61.33	0.009	0.53	0.0	0.0	14.802	B
B-A	1.46	1.46	49.15	0.030	1.44	0.0	0.0	18.855	C
C-A	71.87	71.87			71.87				
C-B	1.40	1.40	90.11	0.016	1.40	0.0	0.0	10.144	B
A-B	2.44	2.44			2.44				
A-C	43.44	43.44			43.44				

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	0.60	0.60	72.34	0.008	0.60	0.0	0.0	12.548	B
B-A	0.47	0.47	50.22	0.009	0.49	0.0	0.0	18.105	C
C-A	50.64	50.64			50.64				
C-B	0.64	0.64	76.47	0.008	0.65	0.0	0.0	10.449	B
A-B	0.64	0.64			0.64				
A-C	31.39	31.39			31.39				

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	0.60	0.60	59.56	0.010	0.60	0.0	0.0	15.264	C
B-A	2.55	2.55	53.06	0.048	2.51	0.0	0.0	17.805	C
C-A	42.47	42.47			42.47				
C-B	2.72	2.72	76.25	0.036	2.69	0.0	0.0	12.234	B
A-B	0.64	0.64			0.64				
A-C	33.58	33.58			33.58				

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	1.64	1.64	74.02	0.022	1.63	0.0	0.0	12.430	B
B-A	0.47	0.47	45.32	0.010	0.51	0.0	0.0	20.102	C
C-A	32.29	32.29			32.29				
C-B	0.64	0.64	76.12	0.008	0.67	0.0	0.0	11.931	B
A-B	0.64	0.64			0.64				
A-C	33.61	33.61			33.61				

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	1.64	1.64	75.53	0.022	1.64	0.0	0.0	12.181	B
B-A	0.47	0.47	44.84	0.011	0.47	0.0	0.0	20.287	C
C-A	45.61	45.61			45.61				
C-B	0.64	0.64	77.53	0.008	0.64	0.0	0.0	11.704	B
A-B	0.64	0.64			0.64				
A-C	23.43	23.43			23.43				

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	1.53	1.53	76.32	0.020	1.53	0.0	0.0	12.034	B
B-A	0.39	0.39	45.77	0.008	0.39	0.0	0.0	19.832	C
C-A	30.17	30.17			30.17				
C-B	0.40	0.40	77.67	0.005	0.41	0.0	0.0	11.648	B
A-B	3.52	3.52			3.52				
A-C	17.96	17.96			17.96				

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	0.49	0.49	72.98	0.007	0.51	0.0	0.0	12.421	B
B-A	0.39	0.39	51.56	0.008	0.39	0.0	0.0	17.590	C
C-A	32.20	32.20			32.20				
C-B	0.40	0.40	76.51	0.005	0.40	0.0	0.0	11.825	B
A-B	1.44	1.44			1.44				
A-C	27.19	27.19			27.19				

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	1.53	1.53	72.45	0.021	1.52	0.0	0.0	12.683	B
B-A	1.43	1.43	52.14	0.027	1.41	0.0	0.0	17.739	C
C-A	27.08	27.08			27.08				
C-B	1.44	1.44	75.36	0.019	1.43	0.0	0.0	12.173	B
A-B	1.44	1.44			1.44				
A-C	36.33	36.33			36.33				

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	0.49	0.49	71.90	0.007	0.51	0.0	0.0	12.610	B
B-A	0.39	0.39	50.52	0.008	0.41	0.0	0.0	17.968	C
C-A	35.34	35.34			35.34				
C-B	0.40	0.40	75.48	0.005	0.42	0.0	0.0	11.994	B
A-B	1.44	1.44			1.44				
A-C	33.32	33.32			33.32				

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	0.44	0.44	72.56	0.006	0.44	0.0	0.0	12.479	B
B-A	0.35	0.35	51.54	0.007	0.35	0.0	0.0	17.582	C
C-A	28.12	28.12			28.12				
C-B	0.42	0.42	76.26	0.006	0.42	0.0	0.0	11.867	B
A-B	0.42	0.42			0.42				
A-C	32.26	32.26			32.26				

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	0.44	0.44	63.46	0.007	0.44	0.0	0.0	14.281	B
B-A	1.38	1.38	55.77	0.025	1.37	0.0	0.0	16.539	C
C-A	31.14	31.14			31.14				
C-B	0.42	0.42	78.06	0.005	0.42	0.0	0.0	11.593	B
A-B	0.42	0.42			0.42				
A-C	21.02	21.02			21.02				

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	0.44	0.44	71.97	0.006	0.44	0.0	0.0	12.582	B
B-A	0.35	0.35	51.04	0.007	0.37	0.0	0.0	17.767	C
C-A	36.20	36.20			36.20				
C-B	0.42	0.42	75.74	0.006	0.42	0.0	0.0	11.947	B
A-B	0.42	0.42			0.42				
A-C	36.33	36.33			36.33				

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	0.44	0.44	73.41	0.006	0.44	0.0	0.0	12.333	B
B-A	0.35	0.35	52.30	0.007	0.35	0.0	0.0	17.324	C
C-A	31.10	31.10			31.10				
C-B	0.42	0.42	77.15	0.005	0.42	0.0	0.0	11.728	B
A-B	0.42	0.42			0.42				
A-C	25.15	25.15			25.15				

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	0.44	0.44	71.97	0.006	0.44	0.0	0.0	12.581	B
B-A	0.35	0.35	51.80	0.007	0.35	0.0	0.0	17.492	C
C-A	19.93	19.93			19.93				
C-B	0.31	0.31	75.65	0.004	0.31	0.0	0.0	11.945	B
A-B	0.31	0.31			0.31				
A-C	31.21	31.21			31.21				

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	0.44	0.44	62.66	0.007	0.44	0.0	0.0	14.464	B
B-A	1.38	1.38	54.67	0.025	1.37	0.0	0.0	16.877	C
C-A	32.12	32.12			32.12				
C-B	1.35	1.35	77.10	0.018	1.34	0.0	0.0	11.877	B
A-B	0.31	0.31			0.31				
A-C	27.99	27.99			27.99				

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	0.44	0.44	72.27	0.006	0.44	0.0	0.0	12.528	B
B-A	0.35	0.35	52.11	0.007	0.37	0.0	0.0	17.397	C
C-A	25.03	25.03			25.03				
C-B	0.31	0.31	76.08	0.004	0.33	0.0	0.0	11.881	B
A-B	0.31	0.31			0.31				
A-C	36.11	36.11			36.11				

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	0.44	0.44	73.60	0.006	0.44	0.0	0.0	12.304	B
B-A	0.35	0.35	52.77	0.007	0.35	0.0	0.0	17.168	C
C-A	28.03	28.03			28.03				
C-B	0.31	0.31	77.36	0.004	0.31	0.0	0.0	11.680	B
A-B	0.31	0.31			0.31				
A-C	25.96	25.96			25.96				

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	0.61	0.61	71.86	0.009	0.61	0.0	0.0	12.632	B
B-A	0.48	0.48	50.88	0.009	0.48	0.0	0.0	17.855	C
C-A	32.31	32.31			32.31				
C-B	0.51	0.51	75.55	0.007	0.51	0.0	0.0	11.993	B
A-B	0.51	0.51			0.51				
A-C	36.49	36.49			36.49				

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	1.65	1.65	75.09	0.022	1.64	0.0	0.0	12.253	B
B-A	0.48	0.48	45.67	0.011	0.48	0.0	0.0	19.916	C
C-A	31.34	31.34			31.34				
C-B	0.51	0.51	76.96	0.007	0.51	0.0	0.0	11.771	B
A-B	1.55	1.55			1.55				
A-C	25.28	25.28			25.28				

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	0.61	0.61	64.49	0.010	0.63	0.0	0.0	14.098	B
B-A	1.52	1.52	54.06	0.028	1.50	0.0	0.0	17.121	C
C-A	29.35	29.35			29.35				
C-B	1.55	1.55	76.84	0.020	1.54	0.0	0.0	11.950	B
A-B	0.51	0.51			0.51				
A-C	28.32	28.32			28.32				

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	0.61	0.61	71.31	0.009	0.62	0.0	0.0	12.730	B
B-A	0.48	0.48	51.08	0.009	0.50	0.0	0.0	17.800	C
C-A	28.22	28.22			28.22				
C-B	0.51	0.51	74.90	0.007	0.53	0.0	0.0	12.104	B
A-B	1.55	1.55			1.55				
A-C	38.55	38.55			38.55				

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	1.69	1.69	72.87	0.023	1.68	0.0	0.0	12.637	B
B-A	0.51	0.51	44.63	0.012	0.51	0.0	0.0	20.398	C
C-A	27.26	27.26			27.26				
C-B	0.57	0.57	74.75	0.008	0.57	0.0	0.0	12.132	B
A-B	1.61	1.61			1.61				
A-C	41.64	41.64			41.64				

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	1.69	1.69	73.50	0.023	1.69	0.0	0.0	12.532	B
B-A	0.51	0.51	44.77	0.011	0.51	0.0	0.0	20.337	C
C-A	26.37	26.37			26.37				
C-B	0.57	0.57	75.39	0.008	0.57	0.0	0.0	12.028	B
A-B	1.61	1.61			1.61				
A-C	36.56	36.56			36.56				

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	1.69	1.69	72.00	0.024	1.69	0.0	0.0	12.799	B
B-A	1.55	1.55	50.64	0.031	1.53	0.0	0.0	18.312	C
C-A	36.44	36.44			36.44				
C-B	1.61	1.61	74.86	0.021	1.59	0.0	0.0	12.284	B
A-B	0.57	0.57			0.57				
A-C	38.68	38.68			38.68				

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	0.65	0.65	64.05	0.010	0.67	0.0	0.0	14.205	B
B-A	1.55	1.55	52.64	0.029	1.55	0.0	0.0	17.619	C
C-A	39.53	39.53			39.53				
C-B	1.61	1.61	76.04	0.021	1.61	0.0	0.0	12.093	B
A-B	0.57	0.57			0.57				
A-C	34.51	34.51			34.51				

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	0.43	0.43	74.13	0.006	0.44	0.0	0.0	12.212	B
B-A	0.34	0.34	51.13	0.007	0.36	0.0	0.0	17.735	C
C-A	31.20	31.20			31.20				
C-B	0.46	0.46	75.72	0.006	0.47	0.0	0.0	11.964	B
A-B	0.46	0.46			0.46				
A-C	35.39	35.39			35.39				

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	0.43	0.43	71.21	0.006	0.43	0.0	0.0	12.714	B
B-A	0.34	0.34	50.25	0.007	0.34	0.0	0.0	18.030	C
C-A	31.11	31.11			31.11				
C-B	0.46	0.46	74.83	0.006	0.46	0.0	0.0	12.099	B
A-B	0.46	0.46			0.46				
A-C	44.48	44.48			44.48				

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	0.43	0.43	71.56	0.006	0.43	0.0	0.0	12.651	B
B-A	0.34	0.34	50.30	0.007	0.34	0.0	0.0	18.012	C
C-A	39.14	39.14			39.14				
C-B	0.46	0.46	75.20	0.006	0.46	0.0	0.0	12.040	B
A-B	0.46	0.46			0.46				
A-C	38.46	38.46			38.46				

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	0.43	0.43	69.50	0.006	0.43	0.0	0.0	13.028	B
B-A	0.34	0.34	49.08	0.007	0.34	0.0	0.0	18.464	C
C-A	31.00	31.00			31.00				
C-B	0.46	0.46	73.04	0.006	0.46	0.0	0.0	12.398	B
A-B	0.46	0.46			0.46				
A-C	57.71	57.71			57.71				

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	0.40	0.40	64.95	0.006	0.40	0.0	0.0	13.941	B
B-A	0.32	0.32	45.31	0.007	0.32	0.0	0.0	20.001	C
C-A	25.91	25.91			25.91				
C-B	0.35	0.35	68.11	0.005	0.35	0.0	0.0	13.284	B
A-B	1.39	1.39			1.39				
A-C	94.13	94.13			94.13				

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	1.44	1.44	70.01	0.021	1.43	0.0	0.0	13.119	B
B-A	0.32	0.32	39.38	0.008	0.31	0.0	0.0	23.035	C
C-A	45.32	45.32			45.32				
C-B	0.35	0.35	71.43	0.005	0.35	0.0	0.0	12.664	B
A-B	1.37	1.37			1.37				
A-C	66.75	66.75			66.75				

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	0.40	0.40	66.69	0.006	0.42	0.0	0.0	13.583	B
B-A	0.32	0.32	45.60	0.007	0.32	0.0	0.0	19.875	C
C-A	33.09	33.09			33.09				
C-B	1.39	1.39	70.04	0.020	1.38	0.0	0.0	13.104	B
A-B	0.35	0.35			0.35				
A-C	81.92	81.92			81.92				

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	1.44	1.44	68.45	0.021	1.42	0.0	0.0	13.425	B
B-A	0.32	0.32	38.83	0.008	0.31	0.0	0.0	23.364	C
C-A	31.08	31.08			31.08				
C-B	1.39	1.39	69.91	0.020	1.39	0.0	0.0	13.133	B
A-B	0.35	0.35			0.35				
A-C	82.94	82.94			82.94				

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	1.52	1.52	68.78	0.022	1.52	0.0	0.0	13.380	B
B-A	0.38	0.38	40.36	0.009	0.38	0.0	0.0	22.510	C
C-A	24.60	24.60			24.60				
C-B	1.16	1.16	70.45	0.016	1.16	0.0	0.0	12.991	B
A-B	0.12	0.12			0.12				
A-C	80.52	80.52			80.52				

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	2.50	2.50	74.45	0.034	2.49	0.0	0.0	13.104	B
B-A	2.19	2.19	51.24	0.043	2.15	0.0	0.0	18.629	C
C-A	26.63	26.63			26.63				
C-B	1.16	1.16	68.77	0.017	1.16	0.0	0.0	13.310	B
A-B	0.12	0.12			0.12				
A-C	90.74	90.74			90.74				

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	1.46	1.46	78.87	0.018	1.48	0.0	0.0	12.337	B
B-A	2.16	2.16	70.13	0.031	2.17	0.0	0.0	15.580	C
C-A	35.77	35.77			35.77				
C-B	0.12	0.12	69.30	0.002	0.14	0.0	0.0	13.014	B
A-B	0.12	0.12			0.12				
A-C	89.66	89.66			89.66				

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	1.46	1.46	81.66	0.018	1.46	0.0	0.0	11.225	B
B-A	1.15	1.15	57.30	0.020	1.17	0.0	0.0	14.213	B
C-A	32.74	32.74			32.74				
C-B	0.12	0.12	69.68	0.002	0.12	0.0	0.0	12.940	B
A-B	0.12	0.12			0.12				
A-C	85.62	85.62			85.62				

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	2.16	2.16	78.88	0.027	2.15	0.0	0.0	11.389	B
B-A	0.88	0.88	55.61	0.016	0.88	0.0	0.0	17.163	C
C-A	33.73	33.73			33.73				
C-B	1.29	1.29	70.84	0.018	1.28	0.0	0.0	12.935	B
A-B	0.26	0.26			0.26				
A-C	77.32	77.32			77.32				

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	0.14	0.14	70.67	0.002	0.16	0.0	0.0	11.454	B
B-A	0.11	0.11	50.14	0.002	0.12	0.0	0.0	14.478	B
C-A	28.63	28.63			28.63				
C-B	0.26	0.26	72.51	0.004	0.27	0.0	0.0	12.462	B
A-B	0.26	0.26			0.26				
A-C	66.11	66.11			66.11				

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	1.18	1.18	72.81	0.016	1.16	0.0	0.0	12.557	B
B-A	0.11	0.11	39.51	0.003	0.11	0.0	0.0	22.842	C
C-A	24.55	24.55			24.55				
C-B	1.29	1.29	73.54	0.018	1.28	0.0	0.0	12.455	B
A-B	0.26	0.26			0.26				
A-C	58.98	58.98			58.98				

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	0.14	0.14	71.44	0.002	0.15	0.0	0.0	12.625	B
B-A	0.11	0.11	43.40	0.002	0.11	0.0	0.0	20.792	C
C-A	130.18	130.18			130.18				
C-B	0.26	0.26	74.68	0.003	0.27	0.0	0.0	12.097	B
A-B	1.29	1.29			1.29				
A-C	46.81	46.81			46.81				

Opening yr +5 +dev +adj,

RECEIVED
23/05/2025

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	T-Junction site access	T-Junction	Two-way		0.76	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario 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
D8	Opening yr +5 +dev +adj	DIRECT	07:00	19:00	720	15	✓	Simple	D5 +D3 + D4

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 - N81 North		DIRECT	✓	100.000
B - Site Access		DIRECT	✓	100.000
C - N81 South		DIRECT	✓	100.000

Origin-Destination Data

Demand (Veh/TS)

07:00 - 07:15		To			
	From		A - N81 North	B - Site Access	C - N81 South
		A - N81 North	0.00	0.78	12.38
		B - Site Access	0.40	0.00	0.51
		C - N81 South	92.44	0.78	0.00

Demand (Veh/TS)

07:15 - 07:30		To			
	From		A - N81 North	B - Site Access	C - N81 South
		A - N81 North	0.00	0.78	12.38
		B - Site Access	0.40	0.00	0.51
		C - N81 South	80.08	1.87	0.00

Demand (Veh/TS)

07:30 - 07:45		To			
	From		A - N81 North	B - Site Access	C - N81 South
		A - N81 North	0.00	0.78	20.40
		B - Site Access	0.40	0.00	0.51
		C - N81 South	98.15	0.78	0.00

Demand (Veh/TS)

07:45 - 08:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.78	30.99
	B - Site Access	0.40	0.00	0.51
	C - N81 South	79.40	1.87	0.00

Demand (Veh/TS)

08:00 - 08:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.40	31.53
	B - Site Access	0.42	0.00	0.53
	C - N81 South	79.85	1.40	0.00

Demand (Veh/TS)

08:15 - 08:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.40	32.45
	B - Site Access	0.42	0.00	0.53
	C - N81 South	100.22	1.40	0.00

Demand (Veh/TS)

08:30 - 08:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	2.62	43.32
	B - Site Access	0.42	0.00	0.53
	C - N81 South	107.69	1.40	0.00

Demand (Veh/TS)

08:45 - 09:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	2.62	47.27
	B - Site Access	1.64	0.00	0.53
	C - N81 South	77.40	1.40	0.00

Demand (Veh/TS)

09:00 - 09:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.64	34.14
	B - Site Access	0.47	0.00	0.60
	C - N81 South	54.80	0.64	0.00

Demand (Veh/TS)

09:15 - 09:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.64	36.20
	B - Site Access	2.92	0.00	0.60
	C - N81 South	45.84	3.09	0.00

Demand (Veh/TS)

09:30 - 09:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.64	36.33
	B - Site Access	0.47	0.00	1.83
	C - N81 South	34.84	0.64	0.00

Demand (Veh/TS)

09:45 - 10:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.64	25.33
	B - Site Access	0.47	0.00	1.83
	C - N81 South	49.65	0.64	0.00

Demand (Veh/TS)

10:00 - 10:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	4.08	19.39
	B - Site Access	0.39	0.00	1.72
	C - N81 South	32.81	0.40	0.00

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Demand (Veh/TS)

10:15 - 10:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.63	29.72
	B - Site Access	0.39	0.00	0.49
	C - N81 South	34.98	0.40	0.00

Demand (Veh/TS)

10:30 - 10:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.63	39.50
	B - Site Access	1.61	0.00	1.72
	C - N81 South	29.27	1.63	0.00

Demand (Veh/TS)

10:45 - 11:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.63	36.51
	B - Site Access	0.39	0.00	0.49
	C - N81 South	38.79	0.40	0.00

Demand (Veh/TS)

11:00 - 11:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.42	35.04
	B - Site Access	0.35	0.00	0.44
	C - N81 South	30.84	0.42	0.00

Demand (Veh/TS)

11:15 - 11:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.42	22.67
	B - Site Access	1.57	0.00	0.44
	C - N81 South	33.96	0.42	0.00

Demand (Veh/TS)

11:30 - 11:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.42	39.38
	B - Site Access	0.35	0.00	0.44
	C - N81 South	39.26	0.42	0.00

Demand (Veh/TS)

11:45 - 12:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.42	27.43
	B - Site Access	0.35	0.00	0.44
	C - N81 South	33.69	0.42	0.00

Demand (Veh/TS)

12:00 - 12:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.31	34.61
	B - Site Access	0.35	0.00	0.44
	C - N81 South	21.74	0.31	0.00

Demand (Veh/TS)

12:15 - 12:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.31	30.25
	B - Site Access	1.57	0.00	0.44
	C - N81 South	34.77	1.54	0.00

Demand (Veh/TS)

12:30 - 12:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.31	38.94
	B - Site Access	0.35	0.00	0.44
	C - N81 South	27.31	0.31	0.00

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Demand (Veh/TS)

12:45 - 13:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.31	28.07
	B - Site Access	0.35	0.00	0.44
	C - N81 South	30.29	0.31	0.00

Demand (Veh/TS)

13:00 - 13:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.51	39.67
	B - Site Access	0.48	0.00	0.61
	C - N81 South	34.85	0.51	0.00

Demand (Veh/TS)

13:15 - 13:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.74	27.44
	B - Site Access	0.48	0.00	1.84
	C - N81 South	34.04	0.51	0.00

Demand (Veh/TS)

13:30 - 13:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.51	30.70
	B - Site Access	1.71	0.00	0.61
	C - N81 South	32.14	1.74	0.00

Demand (Veh/TS)

13:45 - 14:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.74	41.98
	B - Site Access	0.48	0.00	0.61
	C - N81 South	30.37	0.51	0.00

Demand (Veh/TS)

14:00 - 14:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.79	45.05
	B - Site Access	0.51	0.00	1.88
	C - N81 South	29.33	0.57	0.00

Demand (Veh/TS)

14:15 - 14:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.79	39.62
	B - Site Access	0.51	0.00	1.88
	C - N81 South	29.07	0.57	0.00

Demand (Veh/TS)

14:30 - 14:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.57	42.34
	B - Site Access	1.74	0.00	1.88
	C - N81 South	39.38	1.79	0.00

Demand (Veh/TS)

14:45 - 15:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.57	37.31
	B - Site Access	1.74	0.00	0.65
	C - N81 South	42.92	1.79	0.00

Demand (Veh/TS)

15:00 - 15:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.46	38.49
	B - Site Access	0.34	0.00	0.43
	C - N81 South	34.36	0.46	0.00

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Demand (Veh/TS)

15:15 - 15:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.46	47.99
	B - Site Access	0.34	0.00	0.43
	C - N81 South	33.81	0.46	0.00

Demand (Veh/TS)

15:30 - 15:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.46	41.88
	B - Site Access	0.34	0.00	0.43
	C - N81 South	41.95	0.46	0.00

Demand (Veh/TS)

15:45 - 16:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.46	62.25
	B - Site Access	0.34	0.00	0.43
	C - N81 South	33.12	0.46	0.00

Demand (Veh/TS)

16:00 - 16:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.58	101.34
	B - Site Access	0.32	0.00	0.40
	C - N81 South	27.80	0.35	0.00

Demand (Veh/TS)

16:15 - 16:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.44	72.28
	B - Site Access	0.32	0.00	1.63
	C - N81 South	49.13	0.35	0.00

Demand (Veh/TS)

16:30 - 16:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.35	88.17
	B - Site Access	0.32	0.00	0.40
	C - N81 South	35.82	1.58	0.00

Demand (Veh/TS)

16:45 - 17:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.35	89.25
	B - Site Access	0.32	0.00	1.63
	C - N81 South	33.78	1.58	0.00

Demand (Veh/TS)

17:00 - 17:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.12	86.58
	B - Site Access	0.38	0.00	1.71
	C - N81 South	26.34	1.35	0.00

Demand (Veh/TS)

17:15 - 17:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.12	97.86
	B - Site Access	2.37	0.00	2.69
	C - N81 South	28.51	1.35	0.00

Demand (Veh/TS)

17:30 - 17:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.12	96.36
	B - Site Access	2.24	0.00	1.46
	C - N81 South	38.29	0.12	0.00

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Demand (Veh/TS)

17:45 - 18:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.12	92.15
	B - Site Access	1.15	0.00	1.46
	C - N81 South	35.17	0.12	0.00

Demand (Veh/TS)

18:00 - 18:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.26	83.17
	B - Site Access	0.88	0.00	2.34
	C - N81 South	36.30	1.48	0.00

Demand (Veh/TS)

18:15 - 18:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.26	70.94
	B - Site Access	0.11	0.00	0.14
	C - N81 South	30.73	0.26	0.00

Demand (Veh/TS)

18:30 - 18:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.26	63.20
	B - Site Access	0.11	0.00	1.36
	C - N81 South	26.25	1.48	0.00

Demand (Veh/TS)

18:45 - 19:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.48	50.30
	B - Site Access	0.11	0.00	0.14
	C - N81 South	139.25	0.26	0.00

Vehicle Mix

Heavy Vehicle Percentages

07:00 - 07:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	30
	B - Site Access	100	0	100
	C - N81 South	6	100	0

Heavy Vehicle Percentages

07:15 - 07:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	30
	B - Site Access	100	0	100
	C - N81 South	2	42	0

Heavy Vehicle Percentages

07:30 - 07:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	36
	B - Site Access	100	0	100
	C - N81 South	8	100	0

Heavy Vehicle Percentages

07:45 - 08:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	16
	B - Site Access	100	0	100
	C - N81 South	7	42	0

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Heavy Vehicle Percentages

08:00 - 08:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	64	10
	B - Site Access	100	0	100
	C - N81 South	12	64	0

Heavy Vehicle Percentages

08:15 - 08:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	64	14
	B - Site Access	100	0	100
	C - N81 South	7	64	0

Heavy Vehicle Percentages

08:30 - 08:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	81	10
	B - Site Access	100	0	100
	C - N81 South	5	64	0

Heavy Vehicle Percentages

08:45 - 09:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	81	22
	B - Site Access	100	0	100
	C - N81 South	9	64	0

Heavy Vehicle Percentages

09:00 - 09:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	24
	B - Site Access	100	0	100
	C - N81 South	15	100	0

Heavy Vehicle Percentages

09:15 - 09:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	13
	B - Site Access	100	0	100
	C - N81 South	12	100	0

Heavy Vehicle Percentages

09:30 - 09:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	16
	B - Site Access	100	0	100
	C - N81 South	13	100	0

Heavy Vehicle Percentages

09:45 - 10:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	19
	B - Site Access	100	0	100
	C - N81 South	21	100	0

Heavy Vehicle Percentages

10:00 - 10:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	16
	B - Site Access	100	0	100
	C - N81 South	21	100	0

Heavy Vehicle Percentages

10:15 - 10:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	27
	B - Site Access	100	0	100
	C - N81 South	19	100	0

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Heavy Vehicle Percentages

10:30 - 10:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	20
	B - Site Access	100	0	100
	C - N81 South	15	100	0

Heavy Vehicle Percentages

10:45 - 11:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	29
	B - Site Access	100	0	100
	C - N81 South	30	100	0

Heavy Vehicle Percentages

11:00 - 11:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	19
	B - Site Access	100	0	100
	C - N81 South	30	100	0

Heavy Vehicle Percentages

11:15 - 11:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	14
	B - Site Access	100	0	100
	C - N81 South	23	100	0

Heavy Vehicle Percentages

11:30 - 11:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	17
	B - Site Access	100	0	100
	C - N81 South	17	100	0

Heavy Vehicle Percentages

11:45 - 12:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	25
	B - Site Access	100	0	100
	C - N81 South	16	100	0

Heavy Vehicle Percentages

12:00 - 12:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	40
	B - Site Access	100	0	100
	C - N81 South	25	100	0

Heavy Vehicle Percentages

12:15 - 12:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	14
	B - Site Access	100	0	100
	C - N81 South	16	100	0

Heavy Vehicle Percentages

12:30 - 12:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	11
	B - Site Access	100	0	100
	C - N81 South	24	100	0

Heavy Vehicle Percentages

12:45 - 13:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	15
	B - Site Access	100	0	100
	C - N81 South	14	100	0

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Heavy Vehicle Percentages

13:00 - 13:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	21
	B - Site Access	100	0	100
	C - N81 South	13	100	0

Heavy Vehicle Percentages

13:15 - 13:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	21
	B - Site Access	100	0	100
	C - N81 South	20	100	0

Heavy Vehicle Percentages

13:30 - 13:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	19
	B - Site Access	100	0	100
	C - N81 South	29	100	0

Heavy Vehicle Percentages

13:45 - 14:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	22
	B - Site Access	100	0	100
	C - N81 South	11	100	0

Heavy Vehicle Percentages

14:00 - 14:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	16
	B - Site Access	100	0	100
	C - N81 South	11	100	0

Heavy Vehicle Percentages

14:15 - 14:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	18
	B - Site Access	100	0	100
	C - N81 South	36	100	0

Heavy Vehicle Percentages

14:30 - 14:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	28
	B - Site Access	100	0	100
	C - N81 South	14	100	0

Heavy Vehicle Percentages

14:45 - 15:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	16
	B - Site Access	100	0	100
	C - N81 South	19	100	0

Heavy Vehicle Percentages

15:00 - 15:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	21
	B - Site Access	100	0	100
	C - N81 South	34	100	0

Heavy Vehicle Percentages

15:15 - 15:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	12
	B - Site Access	100	0	100
	C - N81 South	20	100	0

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Heavy Vehicle Percentages

15:30 - 15:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	22
	B - Site Access	100	0	100
	C - N81 South	4	100	0

Heavy Vehicle Percentages

15:45 - 16:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	11
	B - Site Access	100	0	100
	C - N81 South	2	100	0

Heavy Vehicle Percentages

16:00 - 16:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	8
	B - Site Access	100	0	100
	C - N81 South	6	100	0

Heavy Vehicle Percentages

16:15 - 16:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	25	14
	B - Site Access	100	0	100
	C - N81 South	16	100	0

Heavy Vehicle Percentages

16:30 - 16:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	8
	B - Site Access	100	0	100
	C - N81 South	15	100	0

Heavy Vehicle Percentages

16:45 - 17:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	7
	B - Site Access	100	0	100
	C - N81 South	20	100	0

Heavy Vehicle Percentages

17:00 - 17:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	6
	B - Site Access	100	0	100
	C - N81 South	7	100	0

Heavy Vehicle Percentages

17:15 - 17:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	9
	B - Site Access	81	0	79
	C - N81 South	6	100	0

Heavy Vehicle Percentages

17:30 - 17:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	5
	B - Site Access	32	0	62
	C - N81 South	5	100	0

Heavy Vehicle Percentages

17:45 - 18:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	7
	B - Site Access	62	0	62
	C - N81 South	9	100	0

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Heavy Vehicle Percentages

18:00 - 18:15

		To		
From		A - N81 North	B - Site Access	C - N81 South
	A - N81 North	0	100	6
	B - Site Access	50	0	76
	C - N81 South	7	100	0

Heavy Vehicle Percentages

18:15 - 18:30

		To		
From		A - N81 North	B - Site Access	C - N81 South
	A - N81 North	0	100	4
	B - Site Access	100	0	100
	C - N81 South	5	100	0

Heavy Vehicle Percentages

18:30 - 18:45

		To		
From		A - N81 North	B - Site Access	C - N81 South
	A - N81 North	0	100	2
	B - Site Access	100	0	100
	C - N81 South	1	100	0

Heavy Vehicle Percentages

18:45 - 19:00

		To		
From		A - N81 North	B - Site Access	C - N81 South
	A - N81 North	0	100	5
	B - Site Access	100	0	100
	C - N81 South	0	100	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	0.04	15.60	0.0	C	0.92	44.02
B-A	0.06	24.23	0.1	C	0.72	34.45
C-A					46.06	2210.74
C-B	0.04	13.56	0.0	B	0.90	42.99
A-B					0.90	43.13
A-C					46.47	2230.52

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	0.51	0.51	75.15	0.007	0.50	0.0	0.0	12.055	B
B-A	0.40	0.40	49.53	0.008	0.39	0.0	0.0	18.311	C
C-A	92.44	92.44			92.44				
C-B	0.78	0.78	78.94	0.010	0.77	0.0	0.0	11.511	B
A-B	0.78	0.78			0.78				
A-C	12.38	12.38			12.38				

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	0.51	0.51	75.14	0.007	0.51	0.0	0.0	12.058	B
B-A	0.40	0.40	50.49	0.008	0.40	0.0	0.0	17.966	C
C-A	80.08	80.08			80.08				
C-B	1.87	1.87	111.13	0.017	1.86	0.0	0.0	9.231	A
A-B	0.78	0.78			0.78				
A-C	12.38	12.38			12.38				

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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	0.51	0.51	73.73	0.007	0.50	0.0	0.0	12.289	B
B-A	0.40	0.40	47.77	0.008	0.40	0.0	0.0	18.997	C
C-A	98.15	98.15			98.15				
C-B	0.78	0.78	78.01	0.010	0.79	0.0	0.0	9.306	A
A-B	0.78	0.78			0.78				
A-C	20.40	20.40			20.40				

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	0.51	0.51	72.76	0.007	0.51	0.0	0.0	12.455	B
B-A	0.40	0.40	48.17	0.008	0.40	0.0	0.0	18.840	C
C-A	79.40	79.40			79.40				
C-B	1.87	1.87	107.66	0.017	1.85	0.0	0.0	9.537	A
A-B	0.78	0.78			0.78				
A-C	30.99	30.99			30.99				

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	0.53	0.53	72.85	0.007	0.53	0.0	0.0	12.445	B
B-A	0.42	0.42	48.02	0.009	0.42	0.0	0.0	18.907	C
C-A	79.85	79.85			79.85				
C-B	1.40	1.40	93.33	0.015	1.40	0.0	0.0	9.031	A
A-B	1.40	1.40			1.40				
A-C	31.53	31.53			31.53				

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	0.53	0.53	72.59	0.007	0.53	0.0	0.0	12.490	B
B-A	0.42	0.42	46.58	0.009	0.42	0.0	0.0	19.495	C
C-A	100.22	100.22			100.22				
C-B	1.40	1.40	92.82	0.015	1.40	0.0	0.0	9.843	A
A-B	1.40	1.40			1.40				
A-C	32.45	32.45			32.45				

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	0.53	0.53	71.16	0.008	0.53	0.0	0.0	12.741	B
B-A	0.42	0.42	44.90	0.009	0.42	0.0	0.0	20.234	C
C-A	107.69	107.69			107.69				
C-B	1.40	1.40	90.78	0.015	1.40	0.0	0.0	10.068	B
A-B	2.62	2.62			2.62				
A-C	43.32	43.32			43.32				

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	0.53	0.53	59.79	0.009	0.53	0.0	0.0	15.187	C
B-A	1.64	1.64	48.20	0.034	1.62	0.0	0.0	19.312	C
C-A	77.40	77.40			77.40				
C-B	1.40	1.40	89.24	0.016	1.40	0.0	0.0	10.245	B
A-B	2.62	2.62			2.62				
A-C	47.27	47.27			47.27				

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	0.60	0.60	71.85	0.008	0.60	0.0	0.0	12.630	B
B-A	0.47	0.47	49.51	0.010	0.50	0.0	0.0	18.371	C
C-A	54.80	54.80			54.80				
C-B	0.64	0.64	75.98	0.008	0.65	0.0	0.0	10.517	B
A-B	0.64	0.64			0.64				
A-C	34.14	34.14			34.14				

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	0.60	0.60	58.30	0.010	0.60	0.0	0.0	15.598	C
B-A	2.92	2.92	52.40	0.056	2.87	0.0	0.1	18.156	C
C-A	45.84	45.84			45.84				
C-B	3.09	3.09	75.85	0.041	3.05	0.0	0.0	12.358	B
A-B	0.64	0.64			0.64				
A-C	36.20	36.20			36.20				

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	1.83	1.83	73.72	0.025	1.81	0.0	0.0	12.511	B
B-A	0.47	0.47	44.32	0.011	0.52	0.1	0.0	20.567	C
C-A	34.83	34.83			34.83				
C-B	0.64	0.64	75.68	0.008	0.67	0.0	0.0	12.005	B
A-B	0.64	0.64			0.64				
A-C	36.33	36.33			36.33				

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	1.83	1.83	75.38	0.024	1.83	0.0	0.0	12.238	B
B-A	0.47	0.47	43.74	0.011	0.47	0.0	0.0	20.801	C
C-A	49.65	49.65			49.65				
C-B	0.64	0.64	77.22	0.008	0.64	0.0	0.0	11.752	B
A-B	0.64	0.64			0.64				
A-C	25.33	25.33			25.33				

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	1.72	1.72	76.19	0.023	1.72	0.0	0.0	12.085	B
B-A	0.39	0.39	44.80	0.009	0.39	0.0	0.0	20.264	C
C-A	32.81	32.81			32.81				
C-B	0.40	0.40	77.30	0.005	0.41	0.0	0.0	11.704	B
A-B	4.08	4.08			4.08				
A-C	19.39	19.39			19.39				

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	0.49	0.49	72.54	0.007	0.51	0.0	0.0	12.499	B
B-A	0.39	0.39	50.87	0.008	0.39	0.0	0.0	17.828	C
C-A	34.98	34.98			34.98				
C-B	0.40	0.40	76.00	0.005	0.40	0.0	0.0	11.904	B
A-B	1.63	1.63			1.63				
A-C	29.72	29.72			29.72				

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	1.72	1.72	71.76	0.024	1.70	0.0	0.0	12.843	B
B-A	1.61	1.61	51.46	0.031	1.59	0.0	0.0	18.037	C
C-A	29.27	29.27			29.27				
C-B	1.63	1.63	74.77	0.022	1.61	0.0	0.0	12.298	B
A-B	1.63	1.63			1.63				
A-C	39.50	39.50			39.50				

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	0.49	0.49	71.31	0.007	0.51	0.0	0.0	12.713	B
B-A	0.39	0.39	49.68	0.008	0.41	0.0	0.0	18.274	C
C-A	38.79	38.79			38.79				
C-B	0.40	0.40	74.84	0.005	0.42	0.0	0.0	12.097	B
A-B	1.63	1.63			1.63				
A-C	36.51	36.51			36.51				

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	0.44	0.44	72.11	0.006	0.44	0.0	0.0	12.557	B
B-A	0.35	0.35	50.87	0.007	0.35	0.0	0.0	17.814	C
C-A	30.84	30.84			30.84				
C-B	0.42	0.42	75.79	0.006	0.42	0.0	0.0	11.940	B
A-B	0.42	0.42			0.42				
A-C	35.04	35.04			35.04				

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	0.44	0.44	62.26	0.007	0.44	0.0	0.0	14.558	B
B-A	1.57	1.57	55.40	0.028	1.55	0.0	0.0	16.701	C
C-A	33.96	33.96			33.96				
C-B	0.42	0.42	77.81	0.005	0.42	0.0	0.0	11.629	B
A-B	0.42	0.42			0.42				
A-C	22.67	22.67			22.67				

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	0.44	0.44	73.65	0.006	0.44	0.0	0.0	12.293	B
B-A	0.35	0.35	50.41	0.007	0.37	0.0	0.0	17.992	C
C-A	39.26	39.26			39.26				
C-B	0.42	0.42	75.24	0.006	0.42	0.0	0.0	12.027	B
A-B	0.42	0.42			0.42				
A-C	39.38	39.38			39.38				

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	0.44	0.44	73.03	0.006	0.44	0.0	0.0	12.398	B
B-A	0.35	0.35	51.74	0.007	0.35	0.0	0.0	17.513	C
C-A	33.69	33.69			33.69				
C-B	0.42	0.42	76.75	0.005	0.42	0.0	0.0	11.793	B
A-B	0.42	0.42			0.42				
A-C	27.43	27.43			27.43				

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	0.44	0.44	71.32	0.006	0.44	0.0	0.0	12.697	B
B-A	0.35	0.35	51.04	0.007	0.35	0.0	0.0	17.752	C
C-A	21.74	21.74			21.74				
C-B	0.31	0.31	74.97	0.004	0.31	0.0	0.0	12.055	B
A-B	0.31	0.31			0.31				
A-C	34.61	34.61			34.61				

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	0.44	0.44	61.39	0.007	0.44	0.0	0.0	14.766	B
B-A	1.57	1.57	54.19	0.029	1.55	0.0	0.0	17.091	C
C-A	34.77	34.77			34.77				
C-B	1.54	1.54	76.75	0.020	1.52	0.0	0.0	11.960	B
A-B	0.31	0.31			0.31				
A-C	30.25	30.25			30.25				

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	0.44	0.44	74.02	0.006	0.44	0.0	0.0	12.233	B
B-A	0.35	0.35	51.60	0.007	0.37	0.0	0.0	17.574	C
C-A	27.31	27.31			27.31				
C-B	0.31	0.31	75.66	0.004	0.33	0.0	0.0	11.952	B
A-B	0.31	0.31			0.31				
A-C	38.94	38.94			38.94				

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	0.44	0.44	73.27	0.006	0.44	0.0	0.0	12.356	B
B-A	0.35	0.35	52.30	0.007	0.35	0.0	0.0	17.325	C
C-A	30.29	30.29			30.29				
C-B	0.31	0.31	77.02	0.004	0.31	0.0	0.0	11.731	B
A-B	0.31	0.31			0.31				
A-C	28.07	28.07			28.07				

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	0.61	0.61	71.34	0.009	0.61	0.0	0.0	12.724	B
B-A	0.48	0.48	50.21	0.010	0.48	0.0	0.0	18.094	C
C-A	34.85	34.85			34.85				
C-B	0.51	0.51	75.01	0.007	0.51	0.0	0.0	12.079	B
A-B	0.51	0.51			0.51				
A-C	39.67	39.67			39.67				

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	1.84	1.84	74.86	0.025	1.82	0.0	0.0	12.319	B
B-A	0.48	0.48	44.62	0.011	0.48	0.0	0.0	20.390	C
C-A	34.04	34.04			34.04				
C-B	0.51	0.51	76.55	0.007	0.51	0.0	0.0	11.835	B
A-B	1.74	1.74			1.74				
A-C	27.44	27.44			27.44				

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	0.61	0.61	63.17	0.010	0.63	0.0	0.0	14.392	B
B-A	1.71	1.71	53.49	0.032	1.69	0.0	0.0	17.366	C
C-A	32.14	32.14			32.14				
C-B	1.74	1.74	76.45	0.023	1.72	0.0	0.0	12.041	B
A-B	0.51	0.51			0.51				
A-C	30.70	30.70			30.70				

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	0.61	0.61	70.71	0.009	0.62	0.0	0.0	12.842	B
B-A	0.48	0.48	50.43	0.010	0.51	0.0	0.0	18.032	C
C-A	30.37	30.37			30.37				
C-B	0.51	0.51	74.26	0.007	0.53	0.0	0.0	12.210	B
A-B	1.74	1.74			1.74				
A-C	41.98	41.98			41.98				

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	1.88	1.88	72.46	0.026	1.86	0.0	0.0	12.745	B
B-A	0.51	0.51	43.53	0.012	0.51	0.0	0.0	20.920	C
C-A	29.33	29.33			29.33				
C-B	0.57	0.57	74.15	0.008	0.57	0.0	0.0	12.229	B
A-B	1.79	1.79			1.79				
A-C	45.05	45.05			45.05				

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	1.88	1.88	73.13	0.026	1.88	0.0	0.0	12.629	B
B-A	0.51	0.51	43.60	0.012	0.51	0.0	0.0	20.890	C
C-A	29.07	29.07			29.07				
C-B	0.57	0.57	74.84	0.008	0.57	0.0	0.0	12.117	B
A-B	1.79	1.79			1.79				
A-C	39.62	39.62			39.62				

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	1.88	1.88	71.19	0.026	1.88	0.0	0.0	12.983	B
B-A	1.74	1.74	49.80	0.035	1.71	0.0	0.0	18.708	C
C-A	39.38	39.38			39.38				
C-B	1.79	1.79	74.19	0.024	1.78	0.0	0.0	12.426	B
A-B	0.57	0.57			0.57				
A-C	42.34	42.34			42.34				

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	0.65	0.65	62.69	0.010	0.67	0.0	0.0	14.513	B
B-A	1.74	1.74	51.99	0.033	1.74	0.0	0.0	17.910	C
C-A	42.92	42.92			42.92				
C-B	1.79	1.79	75.59	0.024	1.79	0.0	0.0	12.194	B
A-B	0.57	0.57			0.57				
A-C	37.31	37.31			37.31				

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	0.43	0.43	73.49	0.006	0.44	0.0	0.0	12.318	B
B-A	0.34	0.34	50.42	0.007	0.37	0.0	0.0	17.988	C
C-A	34.36	34.36			34.36				
C-B	0.46	0.46	75.19	0.006	0.47	0.0	0.0	12.050	B
A-B	0.46	0.46			0.46				
A-C	38.49	38.49			38.49				

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	0.43	0.43	70.70	0.006	0.43	0.0	0.0	12.806	B
B-A	0.34	0.34	49.55	0.007	0.34	0.0	0.0	18.286	C
C-A	33.81	33.81			33.81				
C-B	0.46	0.46	74.30	0.006	0.46	0.0	0.0	12.187	B
A-B	0.46	0.46			0.46				
A-C	47.99	47.99			47.99				

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	0.43	0.43	70.99	0.006	0.43	0.0	0.0	12.753	B
B-A	0.34	0.34	49.59	0.007	0.34	0.0	0.0	18.271	C
C-A	41.95	41.95			41.95				
C-B	0.46	0.46	74.60	0.006	0.46	0.0	0.0	12.137	B
A-B	0.46	0.46			0.46				
A-C	41.88	41.88			41.88				

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	0.43	0.43	68.85	0.006	0.43	0.0	0.0	13.153	B
B-A	0.34	0.34	48.35	0.007	0.34	0.0	0.0	18.744	C
C-A	33.12	33.12			33.12				
C-B	0.46	0.46	72.35	0.006	0.46	0.0	0.0	12.517	B
A-B	0.46	0.46			0.46				
A-C	62.25	62.25			62.25				

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	0.40	0.40	63.94	0.006	0.40	0.0	0.0	14.164	B
B-A	0.32	0.32	44.26	0.007	0.32	0.0	0.0	20.478	C
C-A	27.80	27.80			27.80				
C-B	0.35	0.35	67.02	0.005	0.35	0.0	0.0	13.499	B
A-B	1.58	1.58			1.58				
A-C	101.34	101.34			101.34				

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	1.63	1.63	69.27	0.023	1.61	0.0	0.0	13.299	B
B-A	0.32	0.32	38.00	0.008	0.31	0.0	0.0	23.881	C
C-A	49.13	49.13			49.13				
C-B	0.35	0.35	70.54	0.005	0.35	0.0	0.0	12.825	B
A-B	1.44	1.44			1.44				
A-C	72.28	72.28			72.28				

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	0.40	0.40	65.84	0.006	0.42	0.0	0.0	13.761	B
B-A	0.32	0.32	44.50	0.007	0.32	0.0	0.0	20.369	C
C-A	35.82	35.82			35.82				
C-B	1.58	1.58	69.14	0.023	1.56	0.0	0.0	13.315	B
A-B	0.35	0.35			0.35				
A-C	88.17	88.17			88.17				

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	1.63	1.63	67.68	0.024	1.61	0.0	0.0	13.619	B
B-A	0.32	0.32	37.47	0.008	0.31	0.0	0.0	24.225	C
C-A	33.78	33.78			33.78				
C-B	1.58	1.58	69.00	0.023	1.58	0.0	0.0	13.347	B
A-B	0.35	0.35			0.35				
A-C	89.25	89.25			89.25				

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	1.71	1.71	68.07	0.025	1.71	0.0	0.0	13.560	B
B-A	0.38	0.38	39.09	0.010	0.38	0.0	0.0	23.248	C
C-A	26.34	26.34			26.34				
C-B	1.35	1.35	69.60	0.019	1.35	0.0	0.0	13.187	B
A-B	0.12	0.12			0.12				
A-C	86.58	86.58			86.58				

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	2.69	2.69	72.47	0.037	2.67	0.0	0.0	13.481	B
B-A	2.37	2.37	49.62	0.048	2.33	0.0	0.0	19.287	C
C-A	28.51	28.51			28.51				
C-B	1.35	1.35	67.72	0.020	1.35	0.0	0.0	13.559	B
A-B	0.12	0.12			0.12				
A-C	97.86	97.86			97.86				

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	1.46	1.46	77.46	0.019	1.48	0.0	0.0	12.657	B
B-A	2.24	2.24	69.13	0.032	2.24	0.0	0.0	16.043	C
C-A	38.29	38.29			38.29				
C-B	0.12	0.12	68.37	0.002	0.14	0.0	0.0	13.194	B
A-B	0.12	0.12			0.12				
A-C	96.36	96.36			96.36				

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	1.46	1.46	80.54	0.018	1.46	0.0	0.0	11.380	B
B-A	1.15	1.15	56.11	0.021	1.17	0.0	0.0	14.437	B
C-A	35.17	35.17			35.17				
C-B	0.12	0.12	68.74	0.002	0.12	0.0	0.0	13.115	B
A-B	0.12	0.12			0.12				
A-C	92.15	92.15			92.15				

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	2.34	2.34	77.19	0.030	2.33	0.0	0.0	11.640	B
B-A	0.88	0.88	53.83	0.016	0.88	0.0	0.0	17.740	C
C-A	36.30	36.30			36.30				
C-B	1.48	1.48	70.01	0.021	1.46	0.0	0.0	13.127	B
A-B	0.26	0.26			0.26				
A-C	83.17	83.17			83.17				

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	0.14	0.14	70.06	0.002	0.17	0.0	0.0	11.674	B
B-A	0.11	0.11	49.36	0.002	0.12	0.0	0.0	14.721	B
C-A	30.73	30.73			30.73				
C-B	0.26	0.26	71.86	0.004	0.27	0.0	0.0	12.577	B
A-B	0.26	0.26			0.26				
A-C	70.94	70.94			70.94				

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	1.36	1.36	72.26	0.019	1.34	0.0	0.0	12.689	B
B-A	0.11	0.11	39.00	0.003	0.11	0.0	0.0	23.143	C
C-A	26.25	26.25			26.25				
C-B	1.48	1.48	72.98	0.020	1.46	0.0	0.0	12.581	B
A-B	0.26	0.26			0.26				
A-C	63.20	63.20			63.20				

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	0.14	0.14	71.00	0.002	0.15	0.0	0.0	12.706	B
B-A	0.11	0.11	42.26	0.003	0.11	0.0	0.0	21.350	C
C-A	139.25	139.25			139.25				
C-B	0.26	0.26	74.14	0.003	0.27	0.0	0.0	12.187	B
A-B	1.48	1.48			1.48				
A-C	50.30	50.30			50.30				

Opening yr +15 +dev +adj ,

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Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	T-Junction site access	T-Junction	Two-way		0.78	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario 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
D9	Opening yr +15 +dev +adj	DIRECT	07:00	19:00	720	15	✓	Simple	D6 +D3 + D4

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 - N81 North		DIRECT	✓	100.000
B - Site Access		DIRECT	✓	100.000
C - N81 South		DIRECT	✓	100.000

Origin-Destination Data

Demand (Veh/TS)

07:00 - 07:15		To			
	From		A - N81 North	B - Site Access	C - N81 South
		A - N81 North	0.00	0.78	13.29
		B - Site Access	0.40	0.00	0.51
		C - N81 South	97.88	0.78	0.00

Demand (Veh/TS)

07:15 - 07:30		To			
	From		A - N81 North	B - Site Access	C - N81 South
		A - N81 North	0.00	0.78	13.29
		B - Site Access	0.40	0.00	0.51
		C - N81 South	84.36	1.92	0.00

Demand (Veh/TS)

07:30 - 07:45		To			
	From		A - N81 North	B - Site Access	C - N81 South
		A - N81 North	0.00	0.78	22.24
		B - Site Access	0.40	0.00	0.51
		C - N81 South	104.22	0.78	0.00

Demand (Veh/TS)

07:45 - 08:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.78	33.04
	B - Site Access	0.40	0.00	0.51
	C - N81 South	84.16	1.92	0.00

Demand (Veh/TS)

08:00 - 08:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.40	33.46
	B - Site Access	0.42	0.00	0.53
	C - N81 South	85.14	1.40	0.00

Demand (Veh/TS)

08:15 - 08:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.40	34.56
	B - Site Access	0.42	0.00	0.53
	C - N81 South	106.22	1.40	0.00

Demand (Veh/TS)

08:30 - 08:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	2.86	45.99
	B - Site Access	0.42	0.00	0.53
	C - N81 South	113.91	1.40	0.00

Demand (Veh/TS)

08:45 - 09:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	2.86	50.99
	B - Site Access	1.88	0.00	0.53
	C - N81 South	82.23	1.40	0.00

Demand (Veh/TS)

09:00 - 09:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.64	36.83
	B - Site Access	0.47	0.00	0.60
	C - N81 South	58.62	0.64	0.00

Demand (Veh/TS)

09:15 - 09:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.64	38.53
	B - Site Access	3.39	0.00	0.60
	C - N81 South	48.85	3.56	0.00

Demand (Veh/TS)

09:30 - 09:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.64	38.84
	B - Site Access	0.47	0.00	2.06
	C - N81 South	37.11	0.64	0.00

Demand (Veh/TS)

09:45 - 10:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.64	27.10
	B - Site Access	0.47	0.00	2.06
	C - N81 South	53.54	0.64	0.00

Demand (Veh/TS)

10:00 - 10:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	4.78	20.70
	B - Site Access	0.39	0.00	1.95
	C - N81 South	35.32	0.40	0.00

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Demand (Veh/TS)

10:15 - 10:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.86	32.25
	B - Site Access	0.39	0.00	0.49
	C - N81 South	37.61	0.40	0.00

Demand (Veh/TS)

10:30 - 10:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.86	42.53
	B - Site Access	1.85	0.00	1.95
	C - N81 South	31.26	1.86	0.00

Demand (Veh/TS)

10:45 - 11:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.86	39.73
	B - Site Access	0.39	0.00	0.49
	C - N81 South	42.30	0.40	0.00

Demand (Veh/TS)

11:00 - 11:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.42	37.67
	B - Site Access	0.35	0.00	0.44
	C - N81 South	33.60	0.42	0.00

Demand (Veh/TS)

11:15 - 11:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.42	24.15
	B - Site Access	1.80	0.00	0.44
	C - N81 South	36.71	0.42	0.00

Demand (Veh/TS)

11:30 - 11:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.42	42.24
	B - Site Access	0.35	0.00	0.44
	C - N81 South	42.11	0.42	0.00

Demand (Veh/TS)

11:45 - 12:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.42	29.67
	B - Site Access	0.35	0.00	0.44
	C - N81 South	36.08	0.42	0.00

Demand (Veh/TS)

12:00 - 12:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.31	38.24
	B - Site Access	0.35	0.00	0.44
	C - N81 South	23.51	0.31	0.00

Demand (Veh/TS)

12:15 - 12:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.31	32.30
	B - Site Access	1.80	0.00	0.44
	C - N81 South	37.23	1.77	0.00

Demand (Veh/TS)

12:30 - 12:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.31	41.44
	B - Site Access	0.35	0.00	0.44
	C - N81 South	29.54	0.31	0.00

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Demand (Veh/TS)

12:45 - 13:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.31	30.01
	B - Site Access	0.35	0.00	0.44
	C - N81 South	32.34	0.31	0.00

Demand (Veh/TS)

13:00 - 13:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.51	42.70
	B - Site Access	0.48	0.00	0.61
	C - N81 South	37.13	0.51	0.00

Demand (Veh/TS)

13:15 - 13:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.97	29.50
	B - Site Access	0.48	0.00	2.07
	C - N81 South	36.61	0.51	0.00

Demand (Veh/TS)

13:30 - 13:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.51	32.93
	B - Site Access	1.94	0.00	0.61
	C - N81 South	34.96	1.97	0.00

Demand (Veh/TS)

13:45 - 14:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.97	45.30
	B - Site Access	0.48	0.00	0.61
	C - N81 South	32.24	0.51	0.00

Demand (Veh/TS)

14:00 - 14:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	2.03	48.19
	B - Site Access	0.51	0.00	2.11
	C - N81 South	31.15	0.57	0.00

Demand (Veh/TS)

14:15 - 14:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	2.03	42.48
	B - Site Access	0.51	0.00	2.11
	C - N81 South	31.89	0.57	0.00

Demand (Veh/TS)

14:30 - 14:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.57	46.02
	B - Site Access	1.97	0.00	2.11
	C - N81 South	42.06	2.03	0.00

Demand (Veh/TS)

14:45 - 15:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.57	39.88
	B - Site Access	1.97	0.00	0.65
	C - N81 South	46.12	2.03	0.00

Demand (Veh/TS)

15:00 - 15:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.46	41.46
	B - Site Access	0.34	0.00	0.43
	C - N81 South	37.64	0.46	0.00

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Demand (Veh/TS)

	To			
		A - N81 North	B - Site Access	C - N81 South
15:15 - 15:30	From	A - N81 North	0.00	0.46
		B - Site Access	0.34	0.00
		C - N81 South	36.38	0.46
				0.00

Demand (Veh/TS)

	To			
		A - N81 North	B - Site Access	C - N81 South
15:30 - 15:45	From	A - N81 North	0.00	0.46
		B - Site Access	0.34	0.00
		C - N81 South	44.27	0.46
				0.00

Demand (Veh/TS)

	To			
		A - N81 North	B - Site Access	C - N81 South
15:45 - 16:00	From	A - N81 North	0.00	0.46
		B - Site Access	0.34	0.00
		C - N81 South	34.81	0.46
				0.00

Demand (Veh/TS)

	To			
		A - N81 North	B - Site Access	C - N81 South
16:00 - 16:15	From	A - N81 North	0.00	1.81
		B - Site Access	0.32	0.00
		C - N81 South	29.38	0.35
				0.00

Demand (Veh/TS)

	To			
		A - N81 North	B - Site Access	C - N81 South
16:15 - 16:30	From	A - N81 North	0.00	1.50
		B - Site Access	0.32	0.00
		C - N81 South	52.67	0.35
				0.00

Demand (Veh/TS)

	To			
		A - N81 North	B - Site Access	C - N81 South
16:30 - 16:45	From	A - N81 North	0.00	0.35
		B - Site Access	0.32	0.00
		C - N81 South	38.32	1.81
				0.00

Demand (Veh/TS)

	To			
		A - N81 North	B - Site Access	C - N81 South
16:45 - 17:00	From	A - N81 North	0.00	0.35
		B - Site Access	0.32	0.00
		C - N81 South	36.35	1.81
				0.00

Demand (Veh/TS)

	To			
		A - N81 North	B - Site Access	C - N81 South
17:00 - 17:15	From	A - N81 North	0.00	0.12
		B - Site Access	0.38	0.00
		C - N81 South	27.81	1.58
				0.00

Demand (Veh/TS)

	To			
		A - N81 North	B - Site Access	C - N81 South
17:15 - 17:30	From	A - N81 North	0.00	0.12
		B - Site Access	2.61	0.00
		C - N81 South	30.10	1.58
				0.00

Demand (Veh/TS)

	To			
		A - N81 North	B - Site Access	C - N81 South
17:30 - 17:45	From	A - N81 North	0.00	0.12
		B - Site Access	2.29	0.00
		C - N81 South	40.38	0.12
				0.00

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Demand (Veh/TS)

17:45 - 18:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.12	97.76
	B - Site Access	1.15	0.00	1.46
	C - N81 South	37.27	0.12	0.00

Demand (Veh/TS)

18:00 - 18:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.26	88.15
	B - Site Access	0.88	0.00	2.58
	C - N81 South	38.51	1.71	0.00

Demand (Veh/TS)

18:15 - 18:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.26	74.95
	B - Site Access	0.11	0.00	0.14
	C - N81 South	32.48	0.26	0.00

Demand (Veh/TS)

18:30 - 18:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	0.26	66.64
	B - Site Access	0.11	0.00	1.60
	C - N81 South	27.60	1.71	0.00

Demand (Veh/TS)

18:45 - 19:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0.00	1.71	53.24
	B - Site Access	0.11	0.00	0.14
	C - N81 South	146.45	0.26	0.00

Vehicle Mix

Heavy Vehicle Percentages

07:00 - 07:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	31
	B - Site Access	100	0	100
	C - N81 South	7	100	0

Heavy Vehicle Percentages

07:15 - 07:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	31
	B - Site Access	100	0	100
	C - N81 South	2	41	0

Heavy Vehicle Percentages

07:30 - 07:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	38
	B - Site Access	100	0	100
	C - N81 South	9	100	0

Heavy Vehicle Percentages

07:45 - 08:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	17
	B - Site Access	100	0	100
	C - N81 South	8	41	0

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Heavy Vehicle Percentages

08:00 - 08:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	64	11
	B - Site Access	100	0	100
	C - N81 South	13	64	0

Heavy Vehicle Percentages

08:15 - 08:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	64	15
	B - Site Access	100	0	100
	C - N81 South	7	64	0

Heavy Vehicle Percentages

08:30 - 08:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	82	11
	B - Site Access	100	0	100
	C - N81 South	6	64	0

Heavy Vehicle Percentages

08:45 - 09:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	82	24
	B - Site Access	100	0	100
	C - N81 South	10	64	0

Heavy Vehicle Percentages

09:00 - 09:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	27
	B - Site Access	100	0	100
	C - N81 South	16	100	0

Heavy Vehicle Percentages

09:15 - 09:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	14
	B - Site Access	100	0	100
	C - N81 South	13	100	0

Heavy Vehicle Percentages

09:30 - 09:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	18
	B - Site Access	100	0	100
	C - N81 South	14	100	0

Heavy Vehicle Percentages

09:45 - 10:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	20
	B - Site Access	100	0	100
	C - N81 South	23	100	0

Heavy Vehicle Percentages

10:00 - 10:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	17
	B - Site Access	100	0	100
	C - N81 South	22	100	0

Heavy Vehicle Percentages

10:15 - 10:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	29
	B - Site Access	100	0	100
	C - N81 South	21	100	0

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Heavy Vehicle Percentages

10:30 - 10:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	22
	B - Site Access	100	0	100
	C - N81 South	16	100	0

Heavy Vehicle Percentages

10:45 - 11:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	31
	B - Site Access	100	0	100
	C - N81 South	32	100	0

Heavy Vehicle Percentages

11:00 - 11:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	21
	B - Site Access	100	0	100
	C - N81 South	32	100	0

Heavy Vehicle Percentages

11:15 - 11:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	15
	B - Site Access	100	0	100
	C - N81 South	25	100	0

Heavy Vehicle Percentages

11:30 - 11:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	19
	B - Site Access	100	0	100
	C - N81 South	19	100	0

Heavy Vehicle Percentages

11:45 - 12:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	27
	B - Site Access	100	0	100
	C - N81 South	18	100	0

Heavy Vehicle Percentages

12:00 - 12:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	43
	B - Site Access	100	0	100
	C - N81 South	27	100	0

Heavy Vehicle Percentages

12:15 - 12:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	15
	B - Site Access	100	0	100
	C - N81 South	17	100	0

Heavy Vehicle Percentages

12:30 - 12:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	12
	B - Site Access	100	0	100
	C - N81 South	27	100	0

Heavy Vehicle Percentages

12:45 - 13:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	16
	B - Site Access	100	0	100
	C - N81 South	15	100	0

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Heavy Vehicle Percentages

13:00 - 13:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	22
	B - Site Access	100	0	100
	C - N81 South	14	100	0

Heavy Vehicle Percentages

13:15 - 13:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	23
	B - Site Access	100	0	100
	C - N81 South	22	100	0

Heavy Vehicle Percentages

13:30 - 13:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	20
	B - Site Access	100	0	100
	C - N81 South	31	100	0

Heavy Vehicle Percentages

13:45 - 14:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	24
	B - Site Access	100	0	100
	C - N81 South	11	100	0

Heavy Vehicle Percentages

14:00 - 14:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	17
	B - Site Access	100	0	100
	C - N81 South	12	100	0

Heavy Vehicle Percentages

14:15 - 14:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	19
	B - Site Access	100	0	100
	C - N81 South	39	100	0

Heavy Vehicle Percentages

14:30 - 14:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	30
	B - Site Access	100	0	100
	C - N81 South	16	100	0

Heavy Vehicle Percentages

14:45 - 15:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	17
	B - Site Access	100	0	100
	C - N81 South	21	100	0

Heavy Vehicle Percentages

15:00 - 15:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	23
	B - Site Access	100	0	100
	C - N81 South	36	100	0

Heavy Vehicle Percentages

15:15 - 15:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	13
	B - Site Access	100	0	100
	C - N81 South	21	100	0

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Heavy Vehicle Percentages

15:30 - 15:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	24
	B - Site Access	100	0	100
	C - N81 South	4	100	0

Heavy Vehicle Percentages

15:45 - 16:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	12
	B - Site Access	100	0	100
	C - N81 South	2	100	0

Heavy Vehicle Percentages

16:00 - 16:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	9
	B - Site Access	100	0	100
	C - N81 South	7	100	0

Heavy Vehicle Percentages

16:15 - 16:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	24	16
	B - Site Access	100	0	100
	C - N81 South	18	100	0

Heavy Vehicle Percentages

16:30 - 16:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	8
	B - Site Access	100	0	100
	C - N81 South	17	100	0

Heavy Vehicle Percentages

16:45 - 17:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	8
	B - Site Access	100	0	100
	C - N81 South	21	100	0

Heavy Vehicle Percentages

17:00 - 17:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	7
	B - Site Access	100	0	100
	C - N81 South	7	100	0

Heavy Vehicle Percentages

17:15 - 17:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	10
	B - Site Access	83	0	81
	C - N81 South	7	100	0

Heavy Vehicle Percentages

17:30 - 17:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	6
	B - Site Access	31	0	62
	C - N81 South	5	100	0

Heavy Vehicle Percentages

17:45 - 18:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	8
	B - Site Access	62	0	62
	C - N81 South	9	100	0

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Heavy Vehicle Percentages

18:00 - 18:15

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	7
	B - Site Access	50	0	78
	C - N81 South	8	100	0

Heavy Vehicle Percentages

18:15 - 18:30

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	4
	B - Site Access	100	0	100
	C - N81 South	5	100	0

Heavy Vehicle Percentages

18:30 - 18:45

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	2
	B - Site Access	100	0	100
	C - N81 South	1	100	0

Heavy Vehicle Percentages

18:45 - 19:00

	To			
		A - N81 North	B - Site Access	C - N81 South
From	A - N81 North	0	100	6
	B - Site Access	100	0	100
	C - N81 South	0	100	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	0.04	15.95	0.0	C	0.99	47.29
B-A	0.07	25.11	0.1	D	0.77	36.84
C-A					49.09	2356.44
C-B	0.05	13.81	0.1	B	0.96	46.14
A-B					0.97	46.45
A-C					49.62	2381.90

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	0.51	0.51	74.99	0.007	0.50	0.0	0.0	12.082	B
B-A	0.40	0.40	48.95	0.008	0.39	0.0	0.0	18.529	C
C-A	97.88	97.88			97.88				
C-B	0.78	0.78	78.77	0.010	0.77	0.0	0.0	11.537	B
A-B	0.78	0.78			0.78				
A-C	13.29	13.29			13.29				

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	0.51	0.51	74.97	0.007	0.51	0.0	0.0	12.085	B
B-A	0.40	0.40	50.03	0.008	0.40	0.0	0.0	18.132	C
C-A	84.36	84.36			84.36				
C-B	1.92	1.92	111.85	0.017	1.91	0.0	0.0	9.183	A
A-B	0.78	0.78			0.78				
A-C	13.29	13.29			13.29				

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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	0.51	0.51	73.37	0.007	0.50	0.0	0.0	12.350	B
B-A	0.40	0.40	46.94	0.008	0.40	0.0	0.0	19.334	C
C-A	104.22	104.22			104.22				
C-B	0.78	0.78	77.66	0.010	0.79	0.0	0.0	9.280	A
A-B	0.78	0.78			0.78				
A-C	22.24	22.24			22.24				

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	0.51	0.51	72.43	0.007	0.51	0.0	0.0	12.512	B
B-A	0.40	0.40	47.48	0.008	0.40	0.0	0.0	19.114	C
C-A	84.16	84.16			84.16				
C-B	1.92	1.92	108.10	0.018	1.91	0.0	0.0	9.511	A
A-B	0.78	0.78			0.78				
A-C	33.04	33.04			33.04				

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	0.53	0.53	72.56	0.007	0.53	0.0	0.0	12.495	B
B-A	0.42	0.42	47.30	0.009	0.42	0.0	0.0	19.198	C
C-A	85.14	85.14			85.14				
C-B	1.40	1.40	92.97	0.015	1.40	0.0	0.0	9.016	A
A-B	1.40	1.40			1.40				
A-C	33.46	33.46			33.46				

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	0.53	0.53	72.25	0.007	0.53	0.0	0.0	12.549	B
B-A	0.42	0.42	45.80	0.009	0.42	0.0	0.0	19.831	C
C-A	106.22	106.22			106.22				
C-B	1.40	1.40	92.39	0.015	1.40	0.0	0.0	9.890	A
A-B	1.40	1.40			1.40				
A-C	34.56	34.56			34.56				

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	0.53	0.53	70.74	0.008	0.53	0.0	0.0	12.819	B
B-A	0.42	0.42	44.03	0.010	0.42	0.0	0.0	20.634	C
C-A	113.91	113.91			113.91				
C-B	1.40	1.40	90.19	0.016	1.40	0.0	0.0	10.135	B
A-B	2.86	2.86			2.86				
A-C	45.99	45.99			45.99				

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	0.53	0.53	58.19	0.009	0.53	0.0	0.0	15.610	C
B-A	1.88	1.88	47.25	0.040	1.85	0.0	0.0	19.811	C
C-A	82.23	82.23			82.23				
C-B	1.40	1.40	88.31	0.016	1.40	0.0	0.0	10.354	B
A-B	2.86	2.86			2.86				
A-C	50.99	50.99			50.99				

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	0.60	0.60	73.48	0.008	0.60	0.0	0.0	12.348	B
B-A	0.47	0.47	48.79	0.010	0.50	0.0	0.0	18.649	C
C-A	58.62	58.62			58.62				
C-B	0.64	0.64	75.47	0.009	0.65	0.0	0.0	10.590	B
A-B	0.64	0.64			0.64				
A-C	36.83	36.83			36.83				

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	0.60	0.60	57.04	0.011	0.60	0.0	0.0	15.947	C
B-A	3.39	3.39	51.73	0.066	3.33	0.0	0.1	18.572	C
C-A	48.85	48.85			48.85				
C-B	3.56	3.56	75.47	0.047	3.51	0.0	0.0	12.501	B
A-B	0.64	0.64			0.64				
A-C	38.53	38.53			38.53				

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	2.06	2.06	73.43	0.028	2.04	0.0	0.0	12.605	B
B-A	0.47	0.47	43.33	0.011	0.53	0.1	0.0	21.056	C
C-A	37.11	37.11			37.11				
C-B	0.64	0.64	75.25	0.009	0.68	0.0	0.0	12.077	B
A-B	0.64	0.64			0.64				
A-C	38.84	38.84			38.84				

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	75.23	0.027	2.06	0.0	0.0	12.302	B
B-A	0.47	0.47	42.62	0.011	0.47	0.0	0.0	21.351	C
C-A	53.54	53.54			53.54				
C-B	0.64	0.64	76.91	0.008	0.64	0.0	0.0	11.802	B
A-B	0.64	0.64			0.64				
A-C	27.10	27.10			27.10				

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	1.95	1.95	76.05	0.026	1.95	0.0	0.0	12.145	B
B-A	0.39	0.39	43.82	0.009	0.39	0.0	0.0	20.727	C
C-A	35.32	35.32			35.32				
C-B	0.40	0.40	76.90	0.005	0.41	0.0	0.0	11.767	B
A-B	4.78	4.78			4.78				
A-C	20.70	20.70			20.70				

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	0.49	0.49	72.05	0.007	0.51	0.0	0.0	12.585	B
B-A	0.39	0.39	50.13	0.008	0.39	0.0	0.0	18.093	C
C-A	37.61	37.61			37.61				
C-B	0.40	0.40	75.45	0.005	0.40	0.0	0.0	11.992	B
A-B	1.86	1.86			1.86				
A-C	32.25	32.25			32.25				

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	1.95	1.95	71.03	0.027	1.93	0.0	0.0	13.020	B
B-A	1.85	1.85	50.75	0.036	1.82	0.0	0.0	18.386	C
C-A	31.26	31.26			31.26				
C-B	1.86	1.86	74.16	0.025	1.84	0.0	0.0	12.443	B
A-B	1.86	1.86			1.86				
A-C	42.53	42.53			42.53				

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	0.49	0.49	70.67	0.007	0.51	0.0	0.0	12.834	B
B-A	0.39	0.39	48.77	0.008	0.42	0.0	0.0	18.624	C
C-A	42.30	42.30			42.30				
C-B	0.40	0.40	74.14	0.005	0.42	0.0	0.0	12.213	B
A-B	1.86	1.86			1.86				
A-C	39.73	39.73			39.73				

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	0.44	0.44	71.66	0.006	0.44	0.0	0.0	12.639	B
B-A	0.35	0.35	50.17	0.007	0.35	0.0	0.0	18.066	C
C-A	33.60	33.60			33.60				
C-B	0.42	0.42	75.31	0.006	0.42	0.0	0.0	12.016	B
A-B	0.42	0.42			0.42				
A-C	37.67	37.67			37.67				

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	0.44	0.44	61.04	0.007	0.44	0.0	0.0	14.851	B
B-A	1.80	1.80	55.02	0.033	1.78	0.0	0.0	16.898	C
C-A	36.71	36.71			36.71				
C-B	0.42	0.42	77.56	0.005	0.42	0.0	0.0	11.668	B
A-B	0.42	0.42			0.42				
A-C	24.15	24.15			24.15				

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	0.44	0.44	73.03	0.006	0.44	0.0	0.0	12.398	B
B-A	0.35	0.35	49.79	0.007	0.37	0.0	0.0	18.222	C
C-A	42.11	42.11			42.11				
C-B	0.42	0.42	74.74	0.006	0.42	0.0	0.0	12.109	B
A-B	0.42	0.42			0.42				
A-C	42.24	42.24			42.24				

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	0.44	0.44	72.62	0.006	0.44	0.0	0.0	12.471	B
B-A	0.35	0.35	51.15	0.007	0.35	0.0	0.0	17.716	C
C-A	36.08	36.08			36.08				
C-B	0.42	0.42	76.32	0.006	0.42	0.0	0.0	11.857	B
A-B	0.42	0.42			0.42				
A-C	29.67	29.67			29.67				

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	0.44	0.44	70.58	0.006	0.44	0.0	0.0	12.832	B
B-A	0.35	0.35	50.20	0.007	0.35	0.0	0.0	18.054	C
C-A	23.51	23.51			23.51				
C-B	0.31	0.31	74.19	0.004	0.31	0.0	0.0	12.184	B
A-B	0.31	0.31			0.31				
A-C	38.24	38.24			38.24				

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	0.44	0.44	60.10	0.007	0.44	0.0	0.0	15.084	C
B-A	1.80	1.80	53.69	0.034	1.78	0.0	0.0	17.327	C
C-A	37.23	37.23			37.23				
C-B	1.77	1.77	76.40	0.023	1.75	0.0	0.0	12.053	B
A-B	0.31	0.31			0.31				
A-C	32.30	32.30			32.30				

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	0.44	0.44	73.50	0.006	0.44	0.0	0.0	12.320	B
B-A	0.35	0.35	51.11	0.007	0.37	0.0	0.0	17.748	C
C-A	29.54	29.54			29.54				
C-B	0.31	0.31	75.25	0.004	0.33	0.0	0.0	12.017	B
A-B	0.31	0.31			0.31				
A-C	41.44	41.44			41.44				

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	0.44	0.44	72.96	0.006	0.44	0.0	0.0	12.412	B
B-A	0.35	0.35	51.83	0.007	0.35	0.0	0.0	17.482	C
C-A	32.34	32.34			32.34				
C-B	0.31	0.31	76.69	0.004	0.31	0.0	0.0	11.785	B
A-B	0.31	0.31			0.31				
A-C	30.01	30.01			30.01				

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	0.61	0.61	70.81	0.009	0.61	0.0	0.0	12.820	B
B-A	0.48	0.48	49.54	0.010	0.48	0.0	0.0	18.343	C
C-A	37.13	37.13			37.13				
C-B	0.51	0.51	74.45	0.007	0.51	0.0	0.0	12.171	B
A-B	0.51	0.51			0.51				
A-C	42.70	42.70			42.70				

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	2.07	2.07	74.62	0.028	2.05	0.0	0.0	12.399	B
B-A	0.48	0.48	43.54	0.011	0.48	0.0	0.0	20.903	C
C-A	36.61	36.61			36.61				
C-B	0.51	0.51	76.11	0.007	0.51	0.0	0.0	11.906	B
A-B	1.97	1.97			1.97				
A-C	29.50	29.50			29.50				

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	0.61	0.61	61.81	0.010	0.63	0.0	0.0	14.718	B
B-A	1.94	1.94	52.88	0.037	1.91	0.0	0.0	17.650	C
C-A	34.96	34.96			34.96				
C-B	1.97	1.97	76.05	0.026	1.95	0.0	0.0	12.143	B
A-B	0.51	0.51			0.51				
A-C	32.93	32.93			32.93				

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	0.61	0.61	70.07	0.009	0.62	0.0	0.0	12.957	B
B-A	0.48	0.48	49.79	0.010	0.51	0.0	0.0	18.273	C
C-A	32.24	32.24			32.24				
C-B	0.51	0.51	73.58	0.007	0.53	0.0	0.0	12.325	B
A-B	1.97	1.97			1.97				
A-C	45.30	45.30			45.30				

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	2.11	2.11	72.06	0.029	2.09	0.0	0.0	12.858	B
B-A	0.51	0.51	42.43	0.012	0.51	0.0	0.0	21.470	C
C-A	31.15	31.15			31.15				
C-B	0.57	0.57	73.55	0.008	0.57	0.0	0.0	12.330	B
A-B	2.03	2.03			2.03				
A-C	48.19	48.19			48.19				

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	2.11	2.11	72.77	0.029	2.11	0.0	0.0	12.737	B
B-A	0.51	0.51	42.38	0.012	0.51	0.0	0.0	21.499	C
C-A	31.89	31.89			31.89				
C-B	0.57	0.57	74.27	0.008	0.57	0.0	0.0	12.210	B
A-B	2.03	2.03			2.03				
A-C	42.48	42.48			42.48				

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	2.11	2.11	70.31	0.030	2.11	0.0	0.0	13.195	B
B-A	1.97	1.97	48.90	0.040	1.94	0.0	0.0	19.154	C
C-A	42.06	42.06			42.06				
C-B	2.03	2.03	73.46	0.028	2.01	0.0	0.0	12.593	B
A-B	0.57	0.57			0.57				
A-C	46.02	46.02			46.02				

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	0.65	0.65	61.29	0.011	0.67	0.0	0.0	14.849	B
B-A	1.97	1.97	51.33	0.038	1.97	0.0	0.0	18.237	C
C-A	46.12	46.12			46.12				
C-B	2.03	2.03	75.15	0.027	2.03	0.0	0.0	12.309	B
A-B	0.57	0.57			0.57				
A-C	39.88	39.88			39.88				

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	0.43	0.43	72.81	0.006	0.44	0.0	0.0	12.434	B
B-A	0.34	0.34	49.68	0.007	0.37	0.0	0.0	18.264	C
C-A	37.64	37.64			37.64				
C-B	0.46	0.46	74.64	0.006	0.48	0.0	0.0	12.141	B
A-B	0.46	0.46			0.46				
A-C	41.46	41.46			41.46				

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	0.43	0.43	70.21	0.006	0.43	0.0	0.0	12.896	B
B-A	0.34	0.34	48.87	0.007	0.34	0.0	0.0	18.545	C
C-A	36.38	36.38			36.38				
C-B	0.46	0.46	73.79	0.006	0.46	0.0	0.0	12.272	B
A-B	0.46	0.46			0.46				
A-C	51.12	51.12			51.12				

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	0.43	0.43	70.40	0.006	0.43	0.0	0.0	12.862	B
B-A	0.34	0.34	48.89	0.007	0.34	0.0	0.0	18.535	C
C-A	44.27	44.27			44.27				
C-B	0.46	0.46	73.98	0.006	0.46	0.0	0.0	12.239	B
A-B	0.46	0.46			0.46				
A-C	45.21	45.21			45.21				

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	0.43	0.43	68.22	0.006	0.43	0.0	0.0	13.274	B
B-A	0.34	0.34	47.68	0.007	0.34	0.0	0.0	19.010	C
C-A	34.81	34.81			34.81				
C-B	0.46	0.46	71.70	0.006	0.46	0.0	0.0	12.632	B
A-B	0.46	0.46			0.46				
A-C	66.29	66.29			66.29				

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	0.40	0.40	63.00	0.006	0.40	0.0	0.0	14.376	B
B-A	0.32	0.32	43.30	0.007	0.32	0.0	0.0	20.935	C
C-A	29.38	29.38			29.38				
C-B	0.35	0.35	66.00	0.005	0.35	0.0	0.0	13.709	B
A-B	1.81	1.81			1.81				
A-C	107.58	107.58			107.58				

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	1.86	1.86	68.54	0.027	1.84	0.0	0.0	13.489	B
B-A	0.32	0.32	36.64	0.009	0.31	0.0	0.0	24.775	C
C-A	52.67	52.67			52.67				
C-B	0.35	0.35	69.66	0.005	0.35	0.0	0.0	12.985	B
A-B	1.50	1.50			1.50				
A-C	77.36	77.36			77.36				

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	0.40	0.40	65.07	0.006	0.42	0.0	0.0	13.924	B
B-A	0.32	0.32	43.45	0.007	0.32	0.0	0.0	20.863	C
C-A	38.32	38.32			38.32				
C-B	1.81	1.81	68.31	0.027	1.79	0.0	0.0	13.524	B
A-B	0.35	0.35			0.35				
A-C	93.55	93.55			93.55				

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	1.86	1.86	66.99	0.028	1.84	0.0	0.0	13.810	B
B-A	0.32	0.32	36.15	0.009	0.31	0.0	0.0	25.114	D
C-A	36.35	36.35			36.35				
C-B	1.81	1.81	68.17	0.027	1.81	0.0	0.0	13.561	B
A-B	0.35	0.35			0.35				
A-C	94.70	94.70			94.70				

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	1.94	1.94	67.45	0.029	1.94	0.0	0.0	13.736	B
B-A	0.38	0.38	37.89	0.010	0.38	0.0	0.0	23.991	C
C-A	27.81	27.81			27.81				
C-B	1.58	1.58	68.83	0.023	1.58	0.0	0.0	13.386	B
A-B	0.12	0.12			0.12				
A-C	91.73	91.73			91.73				

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	2.92	2.92	70.53	0.041	2.90	0.0	0.0	13.878	B
B-A	2.61	2.61	48.08	0.054	2.56	0.0	0.1	19.988	C
C-A	30.10	30.10			30.10				
C-B	1.58	1.58	66.72	0.024	1.58	0.0	0.0	13.814	B
A-B	0.12	0.12			0.12				
A-C	104.10	104.10			104.10				

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	1.46	1.46	76.24	0.019	1.49	0.0	0.0	12.965	B
B-A	2.29	2.29	68.13	0.033	2.31	0.1	0.0	16.531	C
C-A	40.38	40.38			40.38				
C-B	0.12	0.12	67.54	0.002	0.15	0.0	0.0	13.358	B
A-B	0.12	0.12			0.12				
A-C	102.01	102.01			102.01				

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	1.46	1.46	79.53	0.018	1.46	0.0	0.0	11.528	B
B-A	1.15	1.15	55.03	0.021	1.17	0.0	0.0	14.660	B
C-A	37.27	37.27			37.27				
C-B	0.12	0.12	67.89	0.002	0.12	0.0	0.0	13.282	B
A-B	0.12	0.12			0.12				
A-C	97.76	97.76			97.76				

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	2.58	2.58	75.59	0.034	2.56	0.0	0.0	11.904	B
B-A	0.88	0.88	52.11	0.017	0.88	0.0	0.0	18.334	C
C-A	38.51	38.51			38.51				
C-B	1.71	1.71	69.27	0.025	1.69	0.0	0.0	13.314	B
A-B	0.26	0.26			0.26				
A-C	88.15	88.15			88.15				

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	0.14	0.14	69.55	0.002	0.17	0.0	0.0	11.891	B
B-A	0.11	0.11	48.65	0.002	0.12	0.0	0.0	14.954	B
C-A	32.48	32.48			32.48				
C-B	0.26	0.26	71.29	0.004	0.28	0.0	0.0	12.678	B
A-B	0.26	0.26			0.26				
A-C	74.95	74.95			74.95				

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	1.60	1.60	71.80	0.022	1.57	0.0	0.0	12.813	B
B-A	0.11	0.11	38.55	0.003	0.11	0.0	0.0	23.410	C
C-A	27.60	27.60			27.60				
C-B	1.71	1.71	72.52	0.024	1.69	0.0	0.0	12.704	B
A-B	0.26	0.26			0.26				
A-C	66.64	66.64			66.64				

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	0.14	0.14	70.61	0.002	0.16	0.0	0.0	12.780	B
B-A	0.11	0.11	41.28	0.003	0.11	0.0	0.0	21.863	C
C-A	146.45	146.45			146.45				
C-B	0.26	0.26	73.66	0.003	0.28	0.0	0.0	12.269	B
A-B	1.71	1.71			1.71				
A-C	53.24	53.24			53.24				