

Summary of junction performance

	AM				PM			
	Queue (PCU)	Delay (s)	RFC	LOS	Queue (PCU)	Delay (s)	RFC	LOS
Do Minimum - OPERATION - Base 2018								
Stream B-C	0.0	0.00	0.00	A	0.0	8.45	0.00	A
Stream B-A	0.0	5.61	0.02	A	0.1	5.24	0.08	A
Stream C-B	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Do Minimum - OPERATION - Base + Committed 2022								
Stream B-C	0.0	0.00	0.00	A	0.0	8.46	0.00	A
Stream B-A	0.0	5.63	0.03	A	0.1	5.26	0.09	A
Stream C-B	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Do Minimum - OPERATION - Base + Committed + Development 2022								
Stream B-C	0.0	0.00	0.00	A	0.0	8.59	0.00	A
Stream B-A	0.2	9.25	0.13	A	0.2	6.50	0.13	A
Stream C-B	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Do Minimum - OPERATION - Base + Committed 2028								
Stream B-C	0.0	0.00	0.00	A	0.0	8.48	0.00	A
Stream B-A	0.0	5.60	0.03	A	0.1	5.30	0.09	A
Stream C-B	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Do Minimum - OPERATION - Base + Committed + Development 2028								
Stream B-C	0.0	0.00	0.00	A	0.0	8.61	0.00	A
Stream B-A	0.2	9.18	0.13	A	0.2	6.49	0.13	A
Stream C-B	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Do Minimum - OPERATION WITH LINK ROAD - Base + Committed + Development 2026								
Stream B-C	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Stream B-A	0.2	8.00	0.19	A	0.2	7.28	0.15	A
Stream C-B	0.0	0.00	0.00	A	0.0	0.00	0.00	A

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

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

File summary

File Description

Title	(untitled)
Location	
Site number	
Date	20/08/2018
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	EU/CLEASBYD
Description	

Units

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

Analysis Options

Calculate Queue Percentiles	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
		0.85	36.00	20.00

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D1	OPERATION - Base 2018	AM	ONE HOUR	06:45	08:15	15
D2	OPERATION - Base 2018	PM	ONE HOUR	15:45	17:15	15
D3	OPERATION - Base + Committed 2022	AM	ONE HOUR	06:45	08:15	15
D4	OPERATION - Base + Committed 2022	PM	ONE HOUR	15:45	17:15	15
D5	OPERATION - Base + Committed + Development 2022	AM	ONE HOUR	06:45	08:15	15
D6	OPERATION - Base + Committed + Development 2022	PM	ONE HOUR	15:45	17:15	15
D7	OPERATION - Base + Committed 2028	AM	ONE HOUR	06:45	08:15	15
D8	OPERATION - Base + Committed 2028	PM	ONE HOUR	15:45	17:15	15
D9	OPERATION - Base + Committed + Development 2028	AM	ONE HOUR	06:45	08:15	15
D10	OPERATION - Base + Committed + Development 2028	PM	ONE HOUR	15:45	17:15	15
D11	OPERATION WITH LINK ROAD - Base + Committed + Development 2026	AM	ONE HOUR	06:45	08:15	15
D12	OPERATION WITH LINK ROAD - Base + Committed + Development 2026	PM	ONE HOUR	15:45	17:15	15

Analysis Set Details

ID	Name	Network flow scaling factor (%)
A1	Do Minimum	100.000

Do Minimum - OPERATION - Base 2018, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	0.55	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	Hobson Way SB		Major
B	South Marsh Lane		Minor
C	Hobson Way NB		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Width for right turn (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	10.50		✓	3.60	250.0		-

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

Minor Arm Geometry

Arm	Minor arm type	Width at give-way (m)	Width at 5m (m)	Width at 10m (m)	Width at 15m (m)	Width at 20m (m)	Estimate flare length	Flare length (PCU)	Visibility to left (m)	Visibility to right (m)
B	One lane plus flare	10.00	9.90	9.80	9.75	9.00	✓	3.00	200	200

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
1	B-A	780	0.114	0.289	0.182	0.413
1	B-C	877	0.108	0.273	-	-
1	C-B	828	0.258	0.258	-	-

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

Streams may be combined, in which case capacity will be adjusted.

Values are shown for the first time segment only; they may differ for subsequent time segments.

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D1	OPERATION - Base 2018	AM	ONE HOUR	06:45	08:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	152	100.000
B		✓	17	100.000
C		✓	5	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	102	50
	B	17	0	0
	C	5	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	5	0
	B	14	0	0
	C	50	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.00	0.00	0.0	A
B-A	0.02	5.61	0.0	A
C-A				
C-B	0.00	0.00	0.0	A
A-B				
A-C				

Main Results for each time segment

06:45 - 07:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	855	0.000	0	0.0	0.000	A
B-A	13	760	0.017	13	0.0	5.493	A
C-A	4			4			
C-B	0	799	0.000	0	0.0	0.000	A
A-B	77			77			
A-C	38			38			

07:00 - 07:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	850	0.000	0	0.0	0.000	A
B-A	15	756	0.020	15	0.0	5.540	A
C-A	4			4			
C-B	0	793	0.000	0	0.0	0.000	A
A-B	92			92			
A-C	45			45			

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	844	0.000	0	0.0	0.000	A
B-A	19	750	0.025	19	0.0	5.608	A
C-A	6			6			
C-B	0	785	0.000	0	0.0	0.000	A
A-B	112			112			
A-C	55			55			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	844	0.000	0	0.0	0.000	A
B-A	19	750	0.025	19	0.0	5.608	A
C-A	6			6			
C-B	0	785	0.000	0	0.0	0.000	A
A-B	112			112			
A-C	55			55			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	850	0.000	0	0.0	0.000	A
B-A	15	756	0.020	15	0.0	5.541	A
C-A	4			4			
C-B	0	793	0.000	0	0.0	0.000	A
A-B	92			92			
A-C	45			45			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	854	0.000	0	0.0	0.000	A
B-A	13	760	0.017	13	0.0	5.495	A
C-A	4			4			
C-B	0	799	0.000	0	0.0	0.000	A
A-B	77			77			
A-C	38			38			

Do Minimum - OPERATION - Base 2018, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	3.32	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D2	OPERATION - Base 2018	PM	ONE HOUR	15:45	17:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	24	100.000
B		✓	61	100.000
C		✓	13	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	16	8
	B	59	0	2
	C	13	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	60	0
	B	3	0	100
	C	8	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.00	8.45	0.0	A
B-A	0.08	5.24	0.1	A
C-A				
C-B	0.00	0.00	0.0	A
A-B				
A-C				

Main Results for each time segment

15:45 - 16:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	861	0.002	1	0.0	8.374	A
B-A	44	775	0.057	44	0.1	5.071	A
C-A	10			10			
C-B	0	824	0.000	0	0.0	0.000	A
A-B	12			12			
A-C	6			6			

16:00 - 16:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	858	0.002	2	0.0	8.407	A
B-A	53	774	0.069	53	0.1	5.140	A
C-A	12			12			
C-B	0	823	0.000	0	0.0	0.000	A
A-B	14			14			
A-C	7			7			

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	854	0.003	2	0.0	8.453	A
B-A	65	773	0.084	65	0.1	5.236	A
C-A	14			14			
C-B	0	821	0.000	0	0.0	0.000	A
A-B	18			18			
A-C	9			9			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	854	0.003	2	0.0	8.454	A
B-A	65	773	0.084	65	0.1	5.236	A
C-A	14			14			
C-B	0	821	0.000	0	0.0	0.000	A
A-B	18			18			
A-C	9			9			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	858	0.002	2	0.0	8.408	A
B-A	53	774	0.069	53	0.1	5.141	A
C-A	12			12			
C-B	0	823	0.000	0	0.0	0.000	A
A-B	14			14			
A-C	7			7			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	861	0.002	2	0.0	8.375	A
B-A	44	775	0.057	44	0.1	5.073	A
C-A	10			10			
C-B	0	824	0.000	0	0.0	0.000	A
A-B	12			12			
A-C	6			6			

Do Minimum - OPERATION - Base + Committed 2022, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	0.55	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D3	OPERATION - Base + Committed 2022	AM	ONE HOUR	06:45	08:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	161	100.000
B		✓	18	100.000
C		✓	5	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	108	53
	B	18	0	0
	C	5	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	5	0
	B	14	0	0
	C	50	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.00	0.00	0.0	A
B-A	0.03	5.63	0.0	A
C-A				
C-B	0.00	0.00	0.0	A
A-B				
A-C				

Main Results for each time segment

06:45 - 07:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	853	0.000	0	0.0	0.000	A
B-A	14	759	0.018	13	0.0	5.507	A
C-A	4			4			
C-B	0	797	0.000	0	0.0	0.000	A
A-B	81			81			
A-C	40			40			

07:00 - 07:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	849	0.000	0	0.0	0.000	A
B-A	16	754	0.021	16	0.0	5.558	A
C-A	4			4			
C-B	0	791	0.000	0	0.0	0.000	A
A-B	97			97			
A-C	48			48			

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	842	0.000	0	0.0	0.000	A
B-A	20	749	0.026	20	0.0	5.629	A
C-A	6			6			
C-B	0	783	0.000	0	0.0	0.000	A
A-B	119			119			
A-C	58			58			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	842	0.000	0	0.0	0.000	A
B-A	20	749	0.026	20	0.0	5.629	A
C-A	6			6			
C-B	0	783	0.000	0	0.0	0.000	A
A-B	119			119			
A-C	58			58			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	849	0.000	0	0.0	0.000	A
B-A	16	754	0.021	16	0.0	5.560	A
C-A	4			4			
C-B	0	791	0.000	0	0.0	0.000	A
A-B	97			97			
A-C	48			48			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	853	0.000	0	0.0	0.000	A
B-A	14	759	0.018	14	0.0	5.509	A
C-A	4			4			
C-B	0	797	0.000	0	0.0	0.000	A
A-B	81			81			
A-C	40			40			

Do Minimum - OPERATION - Base + Committed 2022, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	3.33	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D4	OPERATION - Base + Committed 2022	PM	ONE HOUR	15:45	17:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	25	100.000
B		✓	64	100.000
C		✓	14	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	17	8
	B	62	0	2
	C	14	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	60	0
	B	3	0	100
	C	8	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.00	8.46	0.0	A
B-A	0.09	5.26	0.1	A
C-A				
C-B	0.00	0.00	0.0	A
A-B				
A-C				

Main Results for each time segment

15:45 - 16:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	860	0.002	1	0.0	8.381	A
B-A	47	775	0.060	46	0.1	5.088	A
C-A	11			11			
C-B	0	823	0.000	0	0.0	0.000	A
A-B	13			13			
A-C	6			6			

16:00 - 16:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	857	0.002	2	0.0	8.416	A
B-A	56	774	0.072	56	0.1	5.161	A
C-A	13			13			
C-B	0	822	0.000	0	0.0	0.000	A
A-B	15			15			
A-C	7			7			

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	853	0.003	2	0.0	8.464	A
B-A	68	773	0.088	68	0.1	5.263	A
C-A	15			15			
C-B	0	821	0.000	0	0.0	0.000	A
A-B	19			19			
A-C	9			9			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	853	0.003	2	0.0	8.464	A
B-A	68	773	0.088	68	0.1	5.263	A
C-A	15			15			
C-B	0	821	0.000	0	0.0	0.000	A
A-B	19			19			
A-C	9			9			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	857	0.002	2	0.0	8.417	A
B-A	56	774	0.072	56	0.1	5.164	A
C-A	13			13			
C-B	0	822	0.000	0	0.0	0.000	A
A-B	15			15			
A-C	7			7			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	860	0.002	2	0.0	8.384	A
B-A	47	775	0.060	47	0.1	5.093	A
C-A	11			11			
C-B	0	823	0.000	0	0.0	0.000	A
A-B	13			13			
A-C	6			6			

Do Minimum - OPERATION - Base + Committed + Development 2022, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	2.34	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D5	OPERATION - Base + Committed + Development 2022	AM	ONE HOUR	06:45	08:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	243	100.000
B		✓	84	100.000
C		✓	5	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	190	53
	B	84	0	0
	C	5	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	25	0
	B	66	0	0
	C	50	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.00	0.00	0.0	A
B-A	0.13	9.25	0.2	A
C-A				
C-B	0.00	0.00	0.0	A
A-B				
A-C				

Main Results for each time segment

06:45 - 07:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	832	0.000	0	0.0	0.000	A
B-A	63	752	0.084	63	0.2	8.667	A
C-A	4			4			
C-B	0	781	0.000	0	0.0	0.000	A
A-B	143			143			
A-C	40			40			

07:00 - 07:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	824	0.000	0	0.0	0.000	A
B-A	76	746	0.101	75	0.2	8.908	A
C-A	4			4			
C-B	0	772	0.000	0	0.0	0.000	A
A-B	171			171			
A-C	48			48			

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	812	0.000	0	0.0	0.000	A
B-A	92	738	0.125	92	0.2	9.246	A
C-A	6			6			
C-B	0	759	0.000	0	0.0	0.000	A
A-B	209			209			
A-C	58			58			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	812	0.000	0	0.0	0.000	A
B-A	92	738	0.125	92	0.2	9.251	A
C-A	6			6			
C-B	0	759	0.000	0	0.0	0.000	A
A-B	209			209			
A-C	58			58			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	824	0.000	0	0.0	0.000	A
B-A	76	746	0.101	76	0.2	8.918	A
C-A	4			4			
C-B	0	772	0.000	0	0.0	0.000	A
A-B	171			171			
A-C	48			48			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	832	0.000	0	0.0	0.000	A
B-A	63	752	0.084	63	0.2	8.684	A
C-A	4			4			
C-B	0	781	0.000	0	0.0	0.000	A
A-B	143			143			
A-C	40			40			

Do Minimum - OPERATION - Base + Committed + Development 2022, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	3.83	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D6	OPERATION - Base + Committed + Development 2022	PM	ONE HOUR	15:45	17:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	51	100.000
B		✓	92	100.000
C		✓	14	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	43	8
	B	90	0	2
	C	14	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	82	0
	B	21	0	100
	C	8	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.00	8.59	0.0	A
B-A	0.13	6.50	0.2	A
C-A				
C-B	0.00	0.00	0.0	A
A-B				
A-C				

Main Results for each time segment

15:45 - 16:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	852	0.002	1	0.0	8.462	A
B-A	68	773	0.088	67	0.1	6.170	A
C-A	11			11			
C-B	0	818	0.000	0	0.0	0.000	A
A-B	32			32			
A-C	6			6			

16:00 - 16:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	847	0.002	2	0.0	8.515	A
B-A	81	771	0.105	81	0.1	6.307	A
C-A	13			13			
C-B	0	816	0.000	0	0.0	0.000	A
A-B	39			39			
A-C	7			7			

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	840	0.003	2	0.0	8.589	A
B-A	99	769	0.129	99	0.2	6.495	A
C-A	15			15			
C-B	0	814	0.000	0	0.0	0.000	A
A-B	47			47			
A-C	9			9			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	840	0.003	2	0.0	8.589	A
B-A	99	769	0.129	99	0.2	6.497	A
C-A	15			15			
C-B	0	814	0.000	0	0.0	0.000	A
A-B	47			47			
A-C	9			9			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	847	0.002	2	0.0	8.516	A
B-A	81	771	0.105	81	0.1	6.313	A
C-A	13			13			
C-B	0	816	0.000	0	0.0	0.000	A
A-B	39			39			
A-C	7			7			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	852	0.002	2	0.0	8.464	A
B-A	68	773	0.088	68	0.1	6.181	A
C-A	11			11			
C-B	0	818	0.000	0	0.0	0.000	A
A-B	32			32			
A-C	6			6			

Do Minimum - OPERATION - Base + Committed 2028, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	0.55	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D7	OPERATION - Base + Committed 2028	AM	ONE HOUR	06:45	08:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	170	100.000
B		✓	19	100.000
C		✓	6	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	114	56
	B	19	0	0
	C	6	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	5	0
	B	13	0	0
	C	50	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.00	0.00	0.0	A
B-A	0.03	5.60	0.0	A
C-A				
C-B	0.00	0.00	0.0	A
A-B				
A-C				

Main Results for each time segment

06:45 - 07:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	852	0.000	0	0.0	0.000	A
B-A	14	757	0.019	14	0.0	5.474	A
C-A	5			5			
C-B	0	795	0.000	0	0.0	0.000	A
A-B	86			86			
A-C	42			42			

07:00 - 07:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	847	0.000	0	0.0	0.000	A
B-A	17	753	0.023	17	0.0	5.527	A
C-A	5			5			
C-B	0	789	0.000	0	0.0	0.000	A
A-B	102			102			
A-C	50			50			

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	840	0.000	0	0.0	0.000	A
B-A	21	747	0.028	21	0.0	5.603	A
C-A	7			7			
C-B	0	780	0.000	0	0.0	0.000	A
A-B	126			126			
A-C	62			62			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	840	0.000	0	0.0	0.000	A
B-A	21	747	0.028	21	0.0	5.603	A
C-A	7			7			
C-B	0	780	0.000	0	0.0	0.000	A
A-B	126			126			
A-C	62			62			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	847	0.000	0	0.0	0.000	A
B-A	17	753	0.023	17	0.0	5.528	A
C-A	5			5			
C-B	0	789	0.000	0	0.0	0.000	A
A-B	102			102			
A-C	50			50			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	852	0.000	0	0.0	0.000	A
B-A	14	757	0.019	14	0.0	5.476	A
C-A	5			5			
C-B	0	795	0.000	0	0.0	0.000	A
A-B	86			86			
A-C	42			42			

Do Minimum - OPERATION - Base + Committed 2028, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	3.36	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D8	OPERATION - Base + Committed 2028	PM	ONE HOUR	15:45	17:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	27	100.000
B		✓	68	100.000
C		✓	14	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	18	9
	B	66	0	2
	C	14	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	64	0
	B	3	0	100
	C	8	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.00	8.48	0.0	A
B-A	0.09	5.30	0.1	A
C-A				
C-B	0.00	0.00	0.0	A
A-B				
A-C				

Main Results for each time segment

15:45 - 16:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	859	0.002	1	0.0	8.392	A
B-A	50	775	0.064	49	0.1	5.112	A
C-A	11			11			
C-B	0	823	0.000	0	0.0	0.000	A
A-B	14			14			
A-C	7			7			

16:00 - 16:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	856	0.002	2	0.0	8.430	A
B-A	59	774	0.077	59	0.1	5.190	A
C-A	13			13			
C-B	0	822	0.000	0	0.0	0.000	A
A-B	16			16			
A-C	8			8			

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	851	0.003	2	0.0	8.481	A
B-A	73	772	0.094	73	0.1	5.299	A
C-A	15			15			
C-B	0	821	0.000	0	0.0	0.000	A
A-B	20			20			
A-C	10			10			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	851	0.003	2	0.0	8.482	A
B-A	73	772	0.094	73	0.1	5.299	A
C-A	15			15			
C-B	0	821	0.000	0	0.0	0.000	A
A-B	20			20			
A-C	10			10			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	856	0.002	2	0.0	8.432	A
B-A	59	774	0.077	59	0.1	5.191	A
C-A	13			13			
C-B	0	822	0.000	0	0.0	0.000	A
A-B	16			16			
A-C	8			8			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	859	0.002	2	0.0	8.395	A
B-A	50	775	0.064	50	0.1	5.116	A
C-A	11			11			
C-B	0	823	0.000	0	0.0	0.000	A
A-B	14			14			
A-C	7			7			

Do Minimum - OPERATION - Base + Committed + Development 2028, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	2.28	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D9	OPERATION - Base + Committed + Development 2028	AM	ONE HOUR	06:45	08:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	252	100.000
B		✓	85	100.000
C		✓	6	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	196	56
	B	85	0	0
	C	6	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	24	0
	B	64	0	0
	C	50	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.00	0.00	0.0	A
B-A	0.13	9.18	0.2	A
C-A				
C-B	0.00	0.00	0.0	A
A-B				
A-C				

Main Results for each time segment

06:45 - 07:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	831	0.000	0	0.0	0.000	A
B-A	64	750	0.085	63	0.2	8.588	A
C-A	5			5			
C-B	0	779	0.000	0	0.0	0.000	A
A-B	148			148			
A-C	42			42			

07:00 - 07:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	822	0.000	0	0.0	0.000	A
B-A	76	745	0.103	76	0.2	8.833	A
C-A	5			5			
C-B	0	770	0.000	0	0.0	0.000	A
A-B	176			176			
A-C	50			50			

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	810	0.000	0	0.0	0.000	A
B-A	94	736	0.127	93	0.2	9.177	A
C-A	7			7			
C-B	0	757	0.000	0	0.0	0.000	A
A-B	216			216			
A-C	62			62			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	810	0.000	0	0.0	0.000	A
B-A	94	736	0.127	94	0.2	9.182	A
C-A	7			7			
C-B	0	757	0.000	0	0.0	0.000	A
A-B	216			216			
A-C	62			62			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	822	0.000	0	0.0	0.000	A
B-A	76	745	0.103	77	0.2	8.843	A
C-A	5			5			
C-B	0	770	0.000	0	0.0	0.000	A
A-B	176			176			
A-C	50			50			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	831	0.000	0	0.0	0.000	A
B-A	64	750	0.085	64	0.2	8.607	A
C-A	5			5			
C-B	0	779	0.000	0	0.0	0.000	A
A-B	148			148			
A-C	42			42			

Do Minimum - OPERATION - Base + Committed + Development 2028, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	3.85	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D10	OPERATION - Base + Committed + Development 2028	PM	ONE HOUR	15:45	17:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	53	100.000
B		✓	96	100.000
C		✓	14	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
From	A	0	44	9
	B	94	0	2
	C	14	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
From	A	0	83	0
	B	20	0	100
	C	8	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.00	8.61	0.0	A
B-A	0.13	6.49	0.2	A
C-A				
C-B	0.00	0.00	0.0	A
A-B				
A-C				

Main Results for each time segment

15:45 - 16:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	851	0.002	1	0.0	8.473	A
B-A	71	773	0.092	70	0.1	6.148	A
C-A	11			11			
C-B	0	818	0.000	0	0.0	0.000	A
A-B	33			33			
A-C	7			7			

16:00 - 16:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	846	0.002	2	0.0	8.529	A
B-A	85	771	0.110	84	0.1	6.291	A
C-A	13			13			
C-B	0	816	0.000	0	0.0	0.000	A
A-B	40			40			
A-C	8			8			

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	839	0.003	2	0.0	8.607	A
B-A	103	769	0.135	103	0.2	6.488	A
C-A	15			15			
C-B	0	813	0.000	0	0.0	0.000	A
A-B	48			48			
A-C	10			10			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	839	0.003	2	0.0	8.608	A
B-A	103	769	0.135	103	0.2	6.490	A
C-A	15			15			
C-B	0	813	0.000	0	0.0	0.000	A
A-B	48			48			
A-C	10			10			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	846	0.002	2	0.0	8.530	A
B-A	85	771	0.110	85	0.1	6.294	A
C-A	13			13			
C-B	0	816	0.000	0	0.0	0.000	A
A-B	40			40			
A-C	8			8			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	851	0.002	2	0.0	8.477	A
B-A	71	773	0.092	71	0.1	6.159	A
C-A	11			11			
C-B	0	818	0.000	0	0.0	0.000	A
A-B	33			33			
A-C	7			7			

Do Minimum - OPERATION WITH LINK ROAD - Base + Committed + Development 2026, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs.

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	0.67	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D11	OPERATION WITH LINK ROAD - Base + Committed + Development 2026	AM	ONE HOUR	06:45	08:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	464	100.000
B		✓	94	100.000
C		✓	560	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	170	294
	B	94	0	0
	C	560	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.00	0.00	0.0	A
B-A	0.19	8.00	0.2	A
C-A				
C-B	0.00	0.00	0.0	A
A-B				
A-C				

Main Results for each time segment

06:45 - 07:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	780	0.000	0	0.0	0.000	A
B-A	71	625	0.113	70	0.1	6.484	A
C-A	422			422			
C-B	0	738	0.000	0	0.0	0.000	A
A-B	128			128			
A-C	221			221			

07:00 - 07:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	760	0.000	0	0.0	0.000	A
B-A	85	595	0.142	84	0.2	7.050	A
C-A	503			503			
C-B	0	721	0.000	0	0.0	0.000	A
A-B	153			153			
A-C	264			264			

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	732	0.000	0	0.0	0.000	A
B-A	103	553	0.187	103	0.2	7.996	A
C-A	617			617			
C-B	0	696	0.000	0	0.0	0.000	A
A-B	187			187			
A-C	324			324			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	732	0.000	0	0.0	0.000	A
B-A	103	553	0.187	103	0.2	8.004	A
C-A	617			617			
C-B	0	696	0.000	0	0.0	0.000	A
A-B	187			187			
A-C	324			324			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	760	0.000	0	0.0	0.000	A
B-A	85	595	0.142	85	0.2	7.062	A
C-A	503			503			
C-B	0	721	0.000	0	0.0	0.000	A
A-B	153			153			
A-C	264			264			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	779	0.000	0	0.0	0.000	A
B-A	71	625	0.113	71	0.1	6.500	A
C-A	422			422			
C-B	0	738	0.000	0	0.0	0.000	A
A-B	128			128			
A-C	221			221			

Do Minimum - OPERATION WITH LINK ROAD - Base + Committed + Development 2026, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Vehicle Mix		HV% is zero for all movements / time segments. Vehicle Mix matrix should be completed whether working in PCUs or Vehs.

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	0.70	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D12	OPERATION WITH LINK ROAD - Base + Committed + Development 2026	PM	ONE HOUR	15:45	17:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	458	100.000
B		✓	81	100.000
C		✓	301	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	47	411
	B	81	0	0
	C	301	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	0
	B	0	0	0
	C	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.00	0.00	0.0	A
B-A	0.15	7.28	0.2	A
C-A				
C-B	0.00	0.00	0.0	A
A-B				
A-C				

Main Results for each time segment

15:45 - 16:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	770	0.000	0	0.0	0.000	A
B-A	61	646	0.094	61	0.1	6.150	A
C-A	227			227			
C-B	0	739	0.000	0	0.0	0.000	A
A-B	35			35			
A-C	309			309			

16:00 - 16:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	748	0.000	0	0.0	0.000	A
B-A	73	619	0.118	73	0.1	6.582	A
C-A	271			271			
C-B	0	722	0.000	0	0.0	0.000	A
A-B	42			42			
A-C	369			369			

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	719	0.000	0	0.0	0.000	A
B-A	89	583	0.153	89	0.2	7.283	A
C-A	331			331			
C-B	0	698	0.000	0	0.0	0.000	A
A-B	52			52			
A-C	453			453			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	719	0.000	0	0.0	0.000	A
B-A	89	583	0.153	89	0.2	7.284	A
C-A	331			331			
C-B	0	698	0.000	0	0.0	0.000	A
A-B	52			52			
A-C	453			453			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	748	0.000	0	0.0	0.000	A
B-A	73	619	0.118	73	0.1	6.589	A
C-A	271			271			
C-B	0	722	0.000	0	0.0	0.000	A
A-B	42			42			
A-C	369			369			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	770	0.000	0	0.0	0.000	A
B-A	61	646	0.094	61	0.1	6.162	A
C-A	227			227			
C-B	0	739	0.000	0	0.0	0.000	A
A-B	35			35			
A-C	309			309			

Junctions 9							
PICADY 9 - Priority Intersection Module							
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Filename: CONSTRUCTION - HOBSON WAY NB RT.j9

Path: \\UKLDS2PFPSW001.na.aecomnet.com\LE_PROJECTS\Transport Projects\60580855 - Project

Koala\Modelling\PICADY\1.0_Hobson Way RT

Report generation date: 13/09/2018 14:59:16

- »Do Minimum - CONSTRUCTION - Base + Committed 2020, AM
- »Do Minimum - CONSTRUCTION - Base + Committed 2020, PM
- »Do Minimum - CONSTRUCTION - Base + Committed + Peak of Construction 2020, AM
- »Do Minimum - CONSTRUCTION - Base + Committed + Peak of Construction 2020, PM

Summary of junction performance

	AM				PM			
	Queue (PCU)	Delay (s)	RFC	LOS	Queue (PCU)	Delay (s)	RFC	LOS
Do Minimum - CONSTRUCTION - Base + Committed 2020								
Stream B-C	0.0	0.00	0.00	A	0.0	8.46	0.00	A
Stream B-A	0.0	5.61	0.02	A	0.1	5.25	0.09	A
Stream C-B	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Do Minimum - CONSTRUCTION - Base + Committed + Peak of Construction 2020								
Stream B-C	0.0	0.00	0.00	A	0.0	8.81	0.00	A
Stream B-A	0.1	6.67	0.04	A	0.3	6.26	0.22	A
Stream C-B	0.0	0.00	0.00	A	0.0	0.00	0.00	A

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

File summary

File Description

Title	(untitled)
Location	
Site number	
Date	20/08/2018
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	EU\CLEASBYD
Description	

Units

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

Analysis Options

Calculate Queue Percentiles	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
		0.85	36.00	20.00

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D1	CONSTRUCTION - Base + Committed 2020	AM	ONE HOUR	06:45	08:15	15
D2	CONSTRUCTION - Base + Committed 2020	PM	ONE HOUR	15:45	17:15	15
D3	CONSTRUCTION - Base + Committed + Peak of Construction 2020	AM	ONE HOUR	06:45	08:15	15
D4	CONSTRUCTION - Base + Committed + Peak of Construction 2020	PM	ONE HOUR	15:45	17:15	15

Analysis Set Details

ID	Name	Network flow scaling factor (%)
A1	Do Minimum	100.000

Do Minimum - CONSTRUCTION - Base + Committed 2020, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	0.54	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	Hobson Way SB		Major
B	South Marsh Road WB		Minor
C	Hobson Way NB		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Width for right turn (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	10.50		✓	3.60	250.0		-

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

Minor Arm Geometry

Arm	Minor arm type	Width at give-way (m)	Width at 5m (m)	Width at 10m (m)	Width at 15m (m)	Width at 20m (m)	Estimate flare length	Flare length (PCU)	Visibility to left (m)	Visibility to right (m)
B	One lane plus flare	10.00	9.90	9.80	9.75	9.00	✓	3.00	200	200

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
1	B-A	780	0.114	0.289	0.182	0.413
1	B-C	877	0.108	0.273	-	-
1	C-B	828	0.258	0.258	-	-

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

Streams may be combined, in which case capacity will be adjusted.

Values are shown for the first time segment only; they may differ for subsequent time segments.

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D1	CONSTRUCTION - Base + Committed 2020	AM	ONE HOUR	06:45	08:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	156	100.000
B		✓	17	100.000
C		✓	5	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
	A	0	105	51
	B	17	0	0
	C	5	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
	A	0	5	0
	B	14	0	0
	C	50	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.00	0.00	0.0	A
B-A	0.02	5.61	0.0	A
C-A				
C-B	0.00	0.00	0.0	A
A-B				
A-C				

Main Results for each time segment

06:45 - 07:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	854	0.000	0	0.0	0.000	A
B-A	13	759	0.017	13	0.0	5.496	A
C-A	4			4			
C-B	0	798	0.000	0	0.0	0.000	A
A-B	79			79			
A-C	38			38			

07:00 - 07:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	850	0.000	0	0.0	0.000	A
B-A	15	755	0.020	15	0.0	5.545	A
C-A	4			4			
C-B	0	792	0.000	0	0.0	0.000	A
A-B	94			94			
A-C	46			46			

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	844	0.000	0	0.0	0.000	A
B-A	19	750	0.025	19	0.0	5.613	A
C-A	6			6			
C-B	0	784	0.000	0	0.0	0.000	A
A-B	116			116			
A-C	56			56			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	844	0.000	0	0.0	0.000	A
B-A	19	750	0.025	19	0.0	5.613	A
C-A	6			6			
C-B	0	784	0.000	0	0.0	0.000	A
A-B	116			116			
A-C	56			56			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	850	0.000	0	0.0	0.000	A
B-A	15	755	0.020	15	0.0	5.545	A
C-A	4			4			
C-B	0	792	0.000	0	0.0	0.000	A
A-B	94			94			
A-C	46			46			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	854	0.000	0	0.0	0.000	A
B-A	13	759	0.017	13	0.0	5.496	A
C-A	4			4			
C-B	0	798	0.000	0	0.0	0.000	A
A-B	79			79			
A-C	38			38			

Do Minimum - CONSTRUCTION - Base + Committed 2020, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	3.37	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D2	CONSTRUCTION - Base + Committed 2020	PM	ONE HOUR	15:45	17:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	24	100.000
B		✓	63	100.000
C		✓	13	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	16	8
	B	61	0	2
	C	13	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	60	0
	B	3	0	100
	C	8	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.00	8.46	0.0	A
B-A	0.09	5.25	0.1	A
C-A				
C-B	0.00	0.00	0.0	A
A-B				
A-C				

Main Results for each time segment

15:45 - 16:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	861	0.002	1	0.0	8.378	A
B-A	46	775	0.059	46	0.1	5.081	A
C-A	10			10			
C-B	0	824	0.000	0	0.0	0.000	A
A-B	12			12			
A-C	6			6			

16:00 - 16:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	858	0.002	2	0.0	8.413	A
B-A	55	774	0.071	55	0.1	5.153	A
C-A	12			12			
C-B	0	823	0.000	0	0.0	0.000	A
A-B	14			14			
A-C	7			7			

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	853	0.003	2	0.0	8.460	A
B-A	67	773	0.087	67	0.1	5.252	A
C-A	14			14			
C-B	0	821	0.000	0	0.0	0.000	A
A-B	18			18			
A-C	9			9			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	853	0.003	2	0.0	8.460	A
B-A	67	773	0.087	67	0.1	5.252	A
C-A	14			14			
C-B	0	821	0.000	0	0.0	0.000	A
A-B	18			18			
A-C	9			9			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	858	0.002	2	0.0	8.415	A
B-A	55	774	0.071	55	0.1	5.154	A
C-A	12			12			
C-B	0	823	0.000	0	0.0	0.000	A
A-B	14			14			
A-C	7			7			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	861	0.002	2	0.0	8.381	A
B-A	46	775	0.059	46	0.1	5.084	A
C-A	10			10			
C-B	0	824	0.000	0	0.0	0.000	A
A-B	12			12			
A-C	6			6			

Do Minimum - CONSTRUCTION - Base + Committed + Peak of Construction 2020, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	0.54	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D3	CONSTRUCTION - Base + Committed + Peak of Construction 2020	AM	ONE HOUR	06:45	08:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	304	100.000
B		✓	27	100.000
C		✓	5	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
From	A	0	253	51
	B	27	0	0
	C	5	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
From	A	0	4	0
	B	30	0	0
	C	50	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.00	0.00	0.0	A
B-A	0.04	6.67	0.1	A
C-A				
C-B	0.00	0.00	0.0	A
A-B				
A-C				

Main Results for each time segment

06:45 - 07:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	840	0.000	0	0.0	0.000	A
B-A	20	747	0.027	20	0.0	6.440	A
C-A	4			4			
C-B	0	769	0.000	0	0.0	0.000	A
A-B	190			190			
A-C	38			38			

07:00 - 07:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	833	0.000	0	0.0	0.000	A
B-A	24	740	0.033	24	0.0	6.536	A
C-A	4			4			
C-B	0	758	0.000	0	0.0	0.000	A
A-B	227			227			
A-C	46			46			

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	823	0.000	0	0.0	0.000	A
B-A	30	731	0.041	30	0.1	6.671	A
C-A	6			6			
C-B	0	742	0.000	0	0.0	0.000	A
A-B	279			279			
A-C	56			56			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	823	0.000	0	0.0	0.000	A
B-A	30	731	0.041	30	0.1	6.671	A
C-A	6			6			
C-B	0	742	0.000	0	0.0	0.000	A
A-B	279			279			
A-C	56			56			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	833	0.000	0	0.0	0.000	A
B-A	24	740	0.033	24	0.0	6.537	A
C-A	4			4			
C-B	0	758	0.000	0	0.0	0.000	A
A-B	227			227			
A-C	46			46			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	0	840	0.000	0	0.0	0.000	A
B-A	20	747	0.027	20	0.0	6.443	A
C-A	4			4			
C-B	0	769	0.000	0	0.0	0.000	A
A-B	190			190			
A-C	38			38			

Do Minimum - CONSTRUCTION - Base + Committed + Peak of Construction 2020, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	4.83	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D4	CONSTRUCTION - Base + Committed + Peak of Construction 2020	PM	ONE HOUR	15:45	17:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	34	100.000
B		✓	155	100.000
C		✓	13	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
From	A	0	26	8
	B	153	0	2
	C	13	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
From	A	0	73	0
	B	5	0	100
	C	8	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.00	8.81	0.0	A
B-A	0.22	6.26	0.3	A
C-A				
C-B	0.00	0.00	0.0	A
A-B				
A-C				

Main Results for each time segment

15:45 - 16:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	839	0.002	1	0.0	8.592	A
B-A	115	774	0.149	114	0.2	5.722	A
C-A	10			10			
C-B	0	822	0.000	0	0.0	0.000	A
A-B	20			20			
A-C	6			6			

16:00 - 16:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	831	0.002	2	0.0	8.680	A
B-A	138	773	0.178	137	0.2	5.942	A
C-A	12			12			
C-B	0	820	0.000	0	0.0	0.000	A
A-B	23			23			
A-C	7			7			

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	819	0.003	2	0.0	8.810	A
B-A	168	772	0.218	168	0.3	6.260	A
C-A	14			14			
C-B	0	819	0.000	0	0.0	0.000	A
A-B	29			29			
A-C	9			9			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	819	0.003	2	0.0	8.811	A
B-A	168	772	0.218	168	0.3	6.264	A
C-A	14			14			
C-B	0	819	0.000	0	0.0	0.000	A
A-B	29			29			
A-C	9			9			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	831	0.002	2	0.0	8.683	A
B-A	138	773	0.178	138	0.2	5.952	A
C-A	12			12			
C-B	0	820	0.000	0	0.0	0.000	A
A-B	23			23			
A-C	7			7			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	839	0.002	2	0.0	8.595	A
B-A	115	774	0.149	115	0.2	5.736	A
C-A	10			10			
C-B	0	822	0.000	0	0.0	0.000	A
A-B	20			20			
A-C	6			6			

ANNEX 15: HOBSON WAY / SOUTH MARSH ROAD (WEST) MODELLING OUTPUTS

Junctions 9
PICADY 9 - Priority Intersection Module
Version: 9.0.1.4646 [] © Copyright TRL Limited, 2018
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Filename: OPERATION - MARSH_HOBSON WAY.j9

Path: \\UKLDS2PFPSW001.na.aecomnet.com\LE_PROJECTS\Transport Projects\60580855 - Project
Koala\Modelling\PICADY\2.0_S Marsh Road_Hobson Way

Report generation date: 30/10/2018 09:58:59

»Do Minimum - OPERATION - Base 2018, AM
»Do Minimum - OPERATION - Base 2018, PM
»Do Minimum - OPERATION - Base + Committed 2022, AM
»Do Minimum - OPERATION - Base + Committed 2022, PM
»Do Minimum - OPERATION - Base + Committed + Development 2022, AM
»Do Minimum - OPERATION - Base + Committed + Development 2022, PM
»Do Minimum - OPERATION - Base + Committed 2028, AM
»Do Minimum - OPERATION - Base + Committed 2028, PM
»Do Minimum - OPERATION - Base + Committed + Development 2028, AM
»Do Minimum - OPERATION - Base + Committed +Development 2028, PM
»Do Minimum - OPERATION WITH LINK ROAD - Base + Committed + Development 2026, AM
»Do Minimum - OPERATION WITH LINK ROAD - Base + Committed +Development 2026, PM

Summary of junction performance

	AM				PM			
	Queue (PCU)	Delay (s)	RFC	LOS	Queue (PCU)	Delay (s)	RFC	LOS
Do Minimum - OPERATION - Base 2018								
Stream B-C	0.1	5.33	0.11	A	0.0	5.06	0.00	A
Stream B-A	0.1	6.43	0.10	A	0.0	6.95	0.01	A
Stream C-B	0.0	4.45	0.01	A	0.2	5.33	0.16	A
Do Minimum - OPERATION - Base + Committed 2022								
Stream B-C	0.1	5.38	0.12	A	0.0	5.07	0.00	A
Stream B-A	0.1	6.48	0.11	A	0.0	6.98	0.01	A
Stream C-B	0.0	4.45	0.01	A	0.2	5.39	0.17	A
Do Minimum - OPERATION - Base + Committed + Development 2022								
Stream B-C	0.1	5.62	0.12	A	0.0	5.11	0.00	A
Stream B-A	0.1	6.84	0.12	A	0.0	7.12	0.01	A
Stream C-B	0.0	4.55	0.01	A	0.2	5.45	0.17	A
Do Minimum - OPERATION - Base + Committed 2028								
Stream B-C	0.1	5.44	0.13	A	0.0	5.16	0.00	A
Stream B-A	0.1	6.54	0.11	A	0.0	6.93	0.01	A
Stream C-B	0.0	4.46	0.01	A	0.2	5.46	0.17	A
Do Minimum - OPERATION - Base + Committed + Development 2028								
Stream B-C	0.2	5.67	0.13	A				
Stream B-A	0.2	6.92	0.13	A				
Stream C-B	0.0	4.56	0.01	A				
Do Minimum - OPERATION - Base + Committed +Development 2028								
Stream B-C					0.0	5.21	0.00	A
Stream B-A					0.0	7.06	0.01	A
Stream C-B					0.2	5.52	0.18	A
Do Minimum - OPERATION WITH LINK ROAD - Base + Committed + Development 2026								
Stream B-C	0.3	7.44	0.22	A				
Stream B-A	0.2	10.22	0.14	B				
Stream C-B	0.0	5.59	0.00	A				
Do Minimum - OPERATION WITH LINK ROAD - Base + Committed +Development 2026								
Stream B-C					0.0	5.54	0.01	A
Stream B-A					0.0	7.83	0.01	A
Stream C-B					0.3	6.58	0.24	A

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

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

File summary

File Description

Title	(untitled)
Location	
Site number	
Date	20/08/2018
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	EU/CLEASBYD
Description	

Units

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

Analysis Options

Calculate Queue Percentiles	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
		0.85	36.00	20.00

Demand Set Summary

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D1	OPERATION - Base 2018	AM	ONE HOUR	06:45	08:15	15
D2	OPERATION - Base 2018	PM	ONE HOUR	15:45	17:15	15
D3	OPERATION - Base + Committed 2022	AM	ONE HOUR	06:45	08:15	15
D4	OPERATION - Base + Committed 2022	PM	ONE HOUR	15:45	17:15	15
D5	OPERATION - Base + Committed + Development 2022	AM	ONE HOUR	06:45	08:15	15
D6	OPERATION - Base + Committed + Development 2022	PM	ONE HOUR	15:45	17:15	15
D7	OPERATION - Base + Committed 2028	AM	ONE HOUR	06:45	08:15	15
D8	OPERATION - Base + Committed 2028	PM	ONE HOUR	15:45	17:15	15
D9	OPERATION - Base + Committed + Development 2028	AM	ONE HOUR	06:45	08:15	15
D10	OPERATION - Base + Committed +Development 2028	PM	ONE HOUR	15:45	17:15	15
D11	OPERATION WITH LINK ROAD - Base + Committed + Development 2026	AM	ONE HOUR	06:45	08:15	15
D12	OPERATION WITH LINK ROAD - Base + Committed +Development 2026	PM	ONE HOUR	15:45	17:15	15

Analysis Set Details

ID	Name	Network flow scaling factor (%)
A1	Do Minimum	100.000

Do Minimum - OPERATION - Base 2018, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	3.19	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	Hobson Way NB		Major
B	South Marsh Road EB		Minor
C	Hobson Way SB		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Width for right turn (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	11.50		✓	3.50	250.0		-

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

Minor Arm Geometry

Arm	Minor arm type	Width at give-way (m)	Width at 5m (m)	Width at 10m (m)	Width at 15m (m)	Width at 20m (m)	Estimate flare length	Flare length (PCU)	Visibility to left (m)	Visibility to right (m)
B	One lane plus flare	10.00	7.50	5.00	3.50	3.50		3.50	250	140

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
1	B-A	664	0.092	0.232	0.146	0.332
1	B-C	787	0.092	0.232	-	-
1	C-B	820	0.242	0.242	-	-

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

Streams may be combined, in which case capacity will be adjusted.

Values are shown for the first time segment only; they may differ for subsequent time segments.

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D1	OPERATION - Base 2018	AM	ONE HOUR	06:45	08:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	22	100.000
B		✓	138	100.000
C		✓	98	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	2	20
	B	59	0	79
	C	93	5	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	23
	B	3	0	0
	C	3	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.11	5.33	0.1	A
B-A	0.10	6.43	0.1	A
C-A				
C-B	0.01	4.45	0.0	A
A-B				
A-C				

Main Results for each time segment

06:45 - 07:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	59	770	0.077	59	0.1	5.062	A
B-A	44	649	0.068	44	0.1	6.131	A
C-A	70			70			
C-B	4	816	0.005	4	0.0	4.429	A
A-B	2			2			
A-C	15			15			

07:00 - 07:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	71	766	0.093	71	0.1	5.175	A
B-A	53	646	0.082	53	0.1	6.255	A
C-A	84			84			
C-B	4	816	0.006	4	0.0	4.437	A
A-B	2			2			
A-C	18			18			

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	87	762	0.114	87	0.1	5.334	A
B-A	65	642	0.101	65	0.1	6.428	A
C-A	102			102			
C-B	6	815	0.007	6	0.0	4.449	A
A-B	2			2			
A-C	22			22			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	87	762	0.114	87	0.1	5.334	A
B-A	65	642	0.101	65	0.1	6.428	A
C-A	102			102			
C-B	6	815	0.007	6	0.0	4.449	A
A-B	2			2			
A-C	22			22			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	71	766	0.093	71	0.1	5.177	A
B-A	53	646	0.082	53	0.1	6.259	A
C-A	84			84			
C-B	4	816	0.006	4	0.0	4.439	A
A-B	2			2			
A-C	18			18			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	59	770	0.077	60	0.1	5.070	A
B-A	44	649	0.068	44	0.1	6.139	A
C-A	70			70			
C-B	4	816	0.005	4	0.0	4.431	A
A-B	2			2			
A-C	15			15			

Do Minimum - OPERATION - Base 2018, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	3.09	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D2	OPERATION - Base 2018	PM	ONE HOUR	15:45	17:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	72	100.000
B		✓	8	100.000
C		✓	133	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
From	A	0	33	39
	B	5	0	3
	C	19	114	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
From	A	0	0	9
	B	25	0	0
	C	71	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.00	5.06	0.0	A
B-A	0.01	6.95	0.0	A
C-A				
C-B	0.16	5.33	0.2	A
A-B				
A-C				

Main Results for each time segment

15:45 - 16:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	719	0.003	2	0.0	5.022	A
B-A	4	673	0.006	4	0.0	6.720	A
C-A	14			14			
C-B	86	807	0.106	85	0.1	4.983	A
A-B	25			25			
A-C	29			29			

16:00 - 16:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	3	717	0.004	3	0.0	5.039	A
B-A	4	665	0.007	4	0.0	6.813	A
C-A	17			17			
C-B	102	805	0.127	102	0.1	5.125	A
A-B	30			30			
A-C	35			35			

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	3	714	0.005	3	0.0	5.061	A
B-A	6	653	0.008	5	0.0	6.945	A
C-A	21			21			
C-B	126	801	0.157	125	0.2	5.324	A
A-B	36			36			
A-C	43			43			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	3	714	0.005	3	0.0	5.061	A
B-A	6	653	0.008	6	0.0	6.946	A
C-A	21			21			
C-B	126	801	0.157	126	0.2	5.326	A
A-B	36			36			
A-C	43			43			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	3	717	0.004	3	0.0	5.039	A
B-A	4	665	0.007	5	0.0	6.817	A
C-A	17			17			
C-B	102	805	0.127	103	0.1	5.129	A
A-B	30			30			
A-C	35			35			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	719	0.003	2	0.0	5.023	A
B-A	4	673	0.006	4	0.0	6.724	A
C-A	14			14			
C-B	86	807	0.106	86	0.1	4.992	A
A-B	25			25			
A-C	29			29			

Do Minimum - OPERATION - Base + Committed 2022, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	3.21	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D3	OPERATION - Base + Committed 2022	AM	ONE HOUR	06:45	08:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	23	100.000
B		✓	145	100.000
C		✓	103	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	2	21
	B	62	0	83
	C	98	5	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	23
	B	3	0	0
	C	3	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.12	5.38	0.1	A
B-A	0.11	6.48	0.1	A
C-A				
C-B	0.01	4.45	0.0	A
A-B				
A-C				

Main Results for each time segment

06:45 - 07:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	62	769	0.081	62	0.1	5.089	A
B-A	47	648	0.072	46	0.1	6.161	A
C-A	74			74			
C-B	4	816	0.005	4	0.0	4.430	A
A-B	2			2			
A-C	16			16			

07:00 - 07:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	75	765	0.097	75	0.1	5.210	A
B-A	56	645	0.086	56	0.1	6.293	A
C-A	88			88			
C-B	4	815	0.006	4	0.0	4.438	A
A-B	2			2			
A-C	19			19			

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	91	760	0.120	91	0.1	5.379	A
B-A	68	641	0.107	68	0.1	6.477	A
C-A	108			108			
C-B	6	814	0.007	6	0.0	4.450	A
A-B	2			2			
A-C	23			23			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	91	760	0.120	91	0.1	5.380	A
B-A	68	641	0.107	68	0.1	6.477	A
C-A	108			108			
C-B	6	814	0.007	6	0.0	4.450	A
A-B	2			2			
A-C	23			23			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	75	765	0.097	75	0.1	5.213	A
B-A	56	645	0.086	56	0.1	6.297	A
C-A	88			88			
C-B	4	815	0.006	4	0.0	4.439	A
A-B	2			2			
A-C	19			19			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	62	769	0.081	63	0.1	5.098	A
B-A	47	648	0.072	47	0.1	6.167	A
C-A	74			74			
C-B	4	816	0.005	4	0.0	4.430	A
A-B	2			2			
A-C	16			16			

Do Minimum - OPERATION - Base + Committed 2022, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	3.11	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D4	OPERATION - Base + Committed 2022	PM	ONE HOUR	15:45	17:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	76	100.000
B		✓	8	100.000
C		✓	140	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
	A	B	C	
From	A	0	35	41
	B	5	0	3
	C	20	120	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
	A	B	C	
From	A	0	0	9
	B	25	0	0
	C	71	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.00	5.07	0.0	A
B-A	0.01	6.98	0.0	A
C-A				
C-B	0.17	5.39	0.2	A
A-B				
A-C				

Main Results for each time segment

15:45 - 16:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	719	0.003	2	0.0	5.025	A
B-A	4	671	0.006	4	0.0	6.743	A
C-A	15			15			
C-B	90	807	0.112	90	0.1	5.019	A
A-B	26			26			
A-C	31			31			

16:00 - 16:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	3	716	0.004	3	0.0	5.042	A
B-A	4	662	0.007	4	0.0	6.841	A
C-A	18			18			
C-B	108	804	0.134	108	0.2	5.171	A
A-B	31			31			
A-C	37			37			

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	3	714	0.005	3	0.0	5.066	A
B-A	6	650	0.008	5	0.0	6.981	A
C-A	22			22			
C-B	132	800	0.165	132	0.2	5.385	A
A-B	39			39			
A-C	45			45			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	3	714	0.005	3	0.0	5.066	A
B-A	6	650	0.008	6	0.0	6.981	A
C-A	22			22			
C-B	132	800	0.165	132	0.2	5.388	A
A-B	39			39			
A-C	45			45			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	3	716	0.004	3	0.0	5.045	A
B-A	4	662	0.007	5	0.0	6.845	A
C-A	18			18			
C-B	108	804	0.134	108	0.2	5.174	A
A-B	31			31			
A-C	37			37			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	718	0.003	2	0.0	5.026	A
B-A	4	671	0.006	4	0.0	6.747	A
C-A	15			15			
C-B	90	807	0.112	90	0.1	5.029	A
A-B	26			26			
A-C	31			31			

Do Minimum - OPERATION - Base + Committed + Development 2022, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	2.30	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D5	OPERATION - Base + Committed + Development 2022	AM	ONE HOUR	06:45	08:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	89	100.000
B		✓	153	100.000
C		✓	178	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A	B	C
From	A	0	2	87
	B	70	0	83
	C	173	5	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A	B	C
From	A	0	0	68
	B	3	0	0
	C	26	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.12	5.62	0.1	A
B-A	0.12	6.84	0.1	A
C-A				
C-B	0.01	4.55	0.0	A
A-B				
A-C				

Main Results for each time segment

06:45 - 07:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	62	747	0.084	62	0.1	5.253	A
B-A	53	636	0.083	52	0.1	6.353	A
C-A	130			130			
C-B	4	804	0.005	4	0.0	4.497	A
A-B	2			2			
A-C	65			65			

07:00 - 07:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	75	741	0.101	75	0.1	5.402	A
B-A	63	629	0.100	63	0.1	6.553	A
C-A	156			156			
C-B	4	801	0.006	4	0.0	4.518	A
A-B	2			2			
A-C	78			78			

07:15 - 07:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	91	732	0.125	91	0.1	5.616	A
B-A	77	619	0.125	77	0.1	6.839	A
C-A	190			190			
C-B	6	797	0.007	5	0.0	4.549	A
A-B	2			2			
A-C	96			96			

07:30 - 07:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	91	732	0.125	91	0.1	5.617	A
B-A	77	619	0.125	77	0.1	6.841	A
C-A	190			190			
C-B	6	797	0.007	6	0.0	4.549	A
A-B	2			2			
A-C	96			96			

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	75	741	0.101	75	0.1	5.407	A
B-A	63	629	0.100	63	0.1	6.556	A
C-A	156			156			
C-B	4	801	0.006	5	0.0	4.518	A
A-B	2			2			
A-C	78			78			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	62	747	0.084	63	0.1	5.262	A
B-A	53	636	0.083	53	0.1	6.364	A
C-A	130			130			
C-B	4	804	0.005	4	0.0	4.498	A
A-B	2			2			
A-C	65			65			

Do Minimum - OPERATION - Base + Committed + Development 2022, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
1	untitled	T-Junction	Two-way	2.53	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D6	OPERATION - Base + Committed + Development 2022	PM	ONE HOUR	15:45	17:15	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	104	100.000
B		✓	8	100.000
C		✓	166	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A	B	C
	A	0	35	69
	B	5	0	3
	C	46	120	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A	B	C
	A	0	0	33
	B	25	0	0
	C	85	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.00	5.11	0.0	A
B-A	0.01	7.12	0.0	A
C-A				
C-B	0.17	5.45	0.2	A
A-B				
A-C				

Main Results for each time segment

15:45 - 16:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	714	0.003	2	0.0	5.057	A
B-A	4	663	0.006	4	0.0	6.829	A
C-A	35			35			
C-B	90	801	0.113	90	0.1	5.055	A
A-B	26			26			
A-C	52			52			

16:00 - 16:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	3	711	0.004	3	0.0	5.081	A
B-A	4	652	0.007	4	0.0	6.947	A
C-A	41			41			
C-B	108	798	0.135	108	0.2	5.217	A
A-B	31			31			
A-C	62			62			

16:15 - 16:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	3	707	0.005	3	0.0	5.114	A
B-A	6	638	0.009	5	0.0	7.116	A
C-A	51			51			
C-B	132	793	0.167	132	0.2	5.446	A
A-B	39			39			
A-C	76			76			

16:30 - 16:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	3	707	0.005	3	0.0	5.114	A
B-A	6	638	0.009	6	0.0	7.117	A
C-A	51			51			
C-B	132	793	0.167	132	0.2	5.448	A
A-B	39			39			
A-C	76			76			

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	3	711	0.004	3	0.0	5.082	A
B-A	4	652	0.007	5	0.0	6.950	A
C-A	41			41			
C-B	108	798	0.135	108	0.2	5.219	A
A-B	31			31			
A-C	62			62			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	2	714	0.003	2	0.0	5.060	A
B-A	4	663	0.006	4	0.0	6.833	A
C-A	35			35			
C-B	90	801	0.113	90	0.1	5.063	A
A-B	26			26			
A-C	52			52			