

Junctions 9

PICADY 9 - Priority Intersection Module

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Filename: Comet Corner.j9

Path: P:\114-111 - Land West of Bilsham Road, Yapton\Trans\Picady\GLEESONS 250 UNITS\Comet Corner

Report generation date: 23/10/2017 13:58:38

»2017 Observed, AM
»2017 Observed, PM
»2022 Base, AM
»2022 Base, PM
»2022 Base + Dev, AM
»2022 Base + Dev, PM
»2031 Base, AM
»2031 Base, PM
»2031 Base + 550 No Thru Link, AM
»2031 Base + 550 No Thru Link, PM

Summary of junction performance

	AM			PM		
	Queue (Veh)	Delay (min)	RFC	Queue (Veh)	Delay (min)	RFC
2017 Observed						
Stream B-C	0.0	0.00	0.00	0.0	0.00	0.00
Stream B-AD	1.1	0.53	0.54	1.6	1.29	0.65
Stream A-D	0.0	0.18	0.04	0.1	0.14	0.05
Stream D-A	0.0	0.36	0.01	1.8	11.65	1.17
Stream D-BC	3.9	1.25	0.83	18.6	5.17	1.15
Stream C-B	0.0	0.12	0.02	0.1	0.19	0.06
2022 Base						
Stream B-C	0.0	0.00	0.00	0.0	0.00	0.00
Stream B-AD	4.0	1.71	0.86	20.1	11.85	2.14
Stream A-D	0.1	0.20	0.05	0.1	0.16	0.07
Stream D-A	0.6	40.70	1.21	5.0	31.75	1.38
Stream D-BC	23.9	5.68	1.19	80.7	23.70	1.97
Stream C-B	0.0	0.13	0.03	0.1	0.23	0.09
2022 Base + Dev						
Stream B-C	0.0	0.00	0.00	0.0	0.00	0.00
Stream B-AD	6.6	2.50	0.98	27.6	43.39	3.42
Stream A-D	0.1	0.21	0.08	0.2	0.17	0.13
Stream D-A	1.8	23.18	1.41	6.9	41.04	2.30
Stream D-BC	41.0	8.92	1.38	76.7	33.37	2.37
Stream C-B	0.0	0.14	0.03	0.1	0.24	0.09
2031 Base						
Stream B-C	0.0	0.00	0.00	0.0	0.00	0.00
Stream B-AD	22.4	7.73	1.45	51.3	31.60	999999999.00
Stream A-D	0.1	0.23	0.06	0.1	0.18	0.08
Stream D-A	0.8	57.01	1.67	8.9	40.06	3.58
Stream D-BC	58.9	13.53	1.68	111.3	70.88	3.92
Stream C-B	0.0	0.15	0.03	0.1	0.29	0.11
2031 Base + 550 No Thru Link						
Stream B-C	0.0	0.00	0.00	0.0	0.00	0.00
Stream B-AD	36.9	15.89	2.31	73.6	53.69	999999999.00
Stream A-D	0.1	0.25	0.09	0.2	0.20	0.16
Stream D-A	3.0	35.55	1.76	12.0	58.48	8.00
Stream D-BC	89.1	28.45	2.14	154.0	48.03	8.45
Stream C-B	0.0	0.16	0.04	0.1	0.33	0.13

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	A259 Grevatts Lane/B2132 Yapton Rd/Worms Lane/B2132 Bilsham Rd
Location	Yapton, West Sussex
Site number	
Date	02/02/2016
Version	
Status	Completed
Identifier	
Client	Gleeson Strategic
Jobnumber	14-110
Enumerator	msheridan [BAS-ODYSSEY-03]
Description	

Units

Distance units	Speed units	Traffic units input	Traffic units results	Flow units	Average delay units	Total delay units	Rate of delay units
m	kph	Veh	Veh	perHour	min	-Min	perHour

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Calculate residual capacity	RFC Threshold	Average Delay threshold (min)	Queue threshold (PCU)
5.75				0.85	0.60	20.00

Demand Set Summary

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2017 Observed	AM	2016 AM Base	ONE HOUR	07:30	09:00	15	✓
D2	2017 Observed	PM	2016 PM Base	ONE HOUR	16:30	18:00	15	✓
D3	2022 Base	AM	2021 AM Base + CD	ONE HOUR	07:30	09:00	15	✓
D4	2022 Base	PM	2021 AM Base + CD + D	ONE HOUR	16:30	18:00	15	✓
D5	2022 Base + Dev	AM	2021 AM Base + CD	ONE HOUR	07:30	09:00	15	✓
D6	2022 Base + Dev	PM	2021 AM Base + CD + D	ONE HOUR	16:30	18:00	15	✓
D7	2031 Base	AM	2021 AM Base + CD	ONE HOUR	07:30	09:00	15	✓
D8	2031 Base	PM	2021 AM Base + CD + D	ONE HOUR	16:30	18:00	15	✓
D9	2031 Base + 550 No Thru Link	AM	2021 AM Base + CD	ONE HOUR	07:30	09:00	15	✓
D10	2031 Base + 550 No Thru Link	PM	2021 AM Base + CD + D	ONE HOUR	16:30	18:00	15	✓

Analysis Set Details

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

2017 Observed, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (min)	Junction LOS
1	untitled	Right-Left Stagger	Two-way	0.13	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	A259 Grevattes Lane		Major
B	B2132 Yapton Rd		Minor
C	Worms Lane		Major
D	B2132 Bilsham Road		Minor

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Width for right turn (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
A	10.60		✓	3.20	120.0		-
C	11.10		✓	3.50	120.0		-

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	10.00	6.30	4.20	3.20		3.00	240	240
D	One lane plus flare	10.00	10.00	8.10	5.30	4.20		3.00	240	139

Slope / Intercept / Capacity

Priority Intersection Slopes and intercepts

Junction	Stream	Intercept (Veh/hr)	Slope for A-B	Slope for A-C	Slope for A-D	Slope for B-A	Slope for B-D	Slope for C-A	Slope for C-B	Slope for C-D	Slope for D-B	Slope for D-C
1	A-D	713	-	-	-	0.221	0.221	0.221	-	0.221	-	-
1	B-AD	789	0.112	0.283	-	-	-	0.178	0.404	0.178	0.112	0.283
1	B-C	835	0.100	0.252	-	-	-	-	-	-	0.100	0.252
1	C-B	734	0.221	0.221	-	-	-	-	-	-	0.221	0.221
1	D-A	736	-	-	-	0.228	0.090	0.228	-	0.090	-	-
1	D-BC	747	0.173	0.173	0.393	0.275	0.109	0.275	-	0.109	-	-

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	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D1	2017 Observed	AM	2016 AM Base	ONE HOUR	07:30	09:00	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		ONE HOUR	✓	739	100.000
B		ONE HOUR	✓	122	100.000
C		ONE HOUR	✓	1236	100.000
D		ONE HOUR	✓	186	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
	A	B	C	D	
From	A	0	56	669	14
	B	83	0	0	39
	C	747	11	0	478
	D	2	33	151	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	A	B	C	D	
From	A	0	9	5	7
	B	1	0	0	0
	C	5	0	0	2
	D	0	3	11	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (min)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-C	0.00	0.00	0.0	A	0	0
B-AD	0.54	0.53	1.1	D	112	168
A-B					51	77
A-C					614	921
A-D	0.04	0.18	0.0	B	13	19
D-A	0.01	0.36	0.0	C	2	3
D-BC	0.83	1.25	3.9	F	169	253
C-D					439	658
C-A					685	1028
C-B	0.02	0.12	0.0	A	10	15

Main Results for each time segment

07:30 - 07:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	626	0.000	0	0.0	0.0	0.000	A
B-AD	92	23	420	0.219	91	0.0	0.3	0.182	B
A-B	42	11			42				
A-C	504	126			504				
A-D	11	3	450	0.023	10	0.0	0.0	0.137	A
D-A	2	0.38	499	0.003	1	0.0	0.0	0.121	A
D-BC	139	35	384	0.361	136	0.0	0.6	0.240	B
C-D	360	90			360				
C-A	562	141			562				
C-B	8	2	574	0.014	8	0.0	0.0	0.106	A

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	579	0.000	0	0.0	0.0	0.000	A
B-AD	110	27	348	0.315	109	0.3	0.4	0.250	C
A-B	50	13			50				
A-C	601	150			601				
A-D	13	3	407	0.031	13	0.0	0.0	0.152	A
D-A	2	0.45	433	0.004	2	0.0	0.0	0.139	A
D-BC	165	41	326	0.508	164	0.6	1.0	0.366	C
C-D	430	107			430				
C-A	672	168			672				
C-B	10	2	542	0.018	10	0.0	0.0	0.113	A

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	503	0.000	0	0.0	0.0	0.000	A
B-AD	134	34	250	0.537	132	0.4	1.1	0.497	C
A-B	62	15			62				
A-C	737	184			737				
A-D	15	4	349	0.044	15	0.0	0.0	0.180	B
D-A	2	0.55	213	0.010	2	0.0	0.0	0.284	C
D-BC	203	51	245	0.826	193	1.0	3.4	1.004	F
C-D	526	132			526				
C-A	822	206			822				
C-B	12	3	498	0.024	12	0.0	0.0	0.123	A

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	498	0.000	0	0.0	0.0	0.000	A
B-AD	134	34	247	0.543	134	1.1	1.1	0.528	C
A-B	62	15			62				
A-C	737	184			737				
A-D	15	4	349	0.044	15	0.0	0.0	0.180	B
D-A	2	0.55	169	0.013	2	0.0	0.0	0.359	C
D-BC	203	51	245	0.827	201	3.4	3.9	1.282	F
C-D	526	132			526				
C-A	822	206			822				
C-B	12	3	496	0.024	12	0.0	0.0	0.124	A

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	574	0.000	0	0.0	0.0	0.000	A
B-AD	110	27	345	0.318	112	1.1	0.5	0.261	C
A-B	50	13			50				
A-C	601	150			601				
A-D	13	3	407	0.031	13	0.0	0.0	0.152	A
D-A	2	0.45	419	0.004	2	0.0	0.0	0.144	A
D-BC	165	41	325	0.509	177	3.9	1.1	0.432	C
C-D	430	107			430				
C-A	672	168			672				
C-B	10	2	539	0.018	10	0.0	0.0	0.113	A

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	624	0.000	0	0.0	0.0	0.000	A
B-AD	92	23	418	0.220	93	0.5	0.3	0.185	B
A-B	42	11			42				
A-C	504	126			504				
A-D	11	3	449	0.023	11	0.0	0.0	0.137	A
D-A	2	0.38	496	0.003	2	0.0	0.0	0.121	A
D-BC	139	35	383	0.361	141	1.1	0.6	0.249	B
C-D	360	90			360				
C-A	562	141			562				
C-B	8	2	573	0.014	8	0.0	0.0	0.106	A

2017 Observed, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (min)	Junction LOS
1	untitled	Right-Left Stagger	Two-way	0.46	D

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D2	2017 Observed	PM	2016 PM Base	ONE HOUR	16:30	18:00	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		ONE HOUR	✓	1394	100.000
B		ONE HOUR	✓	73	100.000
C		ONE HOUR	✓	1022	100.000
D		ONE HOUR	✓	195	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
From		A	B	C	D
	A	0	223	1151	20
	B	45	0	0	28
	C	781	20	0	221
	D	9	57	129	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
From		A	B	C	D
	A	0	0	0	0
	B	2	0	0	11
	C	2	0	0	4
	D	11	2	8	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (min)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-C	0.00	0.00	0.0	A	0	0
B-AD	0.65	1.29	1.6	F	67	100
A-B					205	307
A-C					1056	1584
A-D	0.05	0.14	0.1	A	18	28
D-A	1.17	11.85	1.8	F	8	12
D-BC	1.15	5.17	18.6	F	171	256
C-D					203	304
C-A					717	1075
C-B	0.06	0.19	0.1	B	18	28

Main Results for each time segment

16:30 - 16:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	544	0.000	0	0.0	0.0	0.000	A
B-AD	55	14	328	0.167	54	0.0	0.2	0.218	B
A-B	168	42			168				
A-C	867	217			867				
A-D	15	4	530	0.028	15	0.0	0.0	0.116	A
D-A	7	2	458	0.015	7	0.0	0.0	0.133	A
D-BC	140	35	345	0.406	137	0.0	0.7	0.286	C
C-D	166	42			166				
C-A	588	147			588				
C-B	15	4	472	0.032	15	0.0	0.0	0.131	A

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	481	0.000	0	0.0	0.0	0.000	A
B-AD	66	16	246	0.267	65	0.2	0.4	0.330	C
A-B	200	50			200				
A-C	1035	259			1035				
A-D	18	4	494	0.036	18	0.0	0.0	0.126	A
D-A	8	2	372	0.022	8	0.0	0.0	0.165	A
D-BC	167	42	275	0.608	164	0.7	1.4	0.528	D
C-D	199	50			199				
C-A	702	176			702				
C-B	18	4	420	0.043	18	0.0	0.0	0.149	A

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	375	0.000	0	0.0	0.0	0.000	A
B-AD	80	20	133	0.605	77	0.4	1.3	1.007	F
A-B	246	61			246				
A-C	1267	317			1267				
A-D	22	6	445	0.050	22	0.0	0.1	0.142	A
D-A	10	2	8	1.171	5	0.0	1.3	11.851	F
D-BC	205	51	178	1.149	167	1.4	11.0	2.839	F
C-D	243	61			243				
C-A	860	215			860				
C-B	22	6	349	0.063	22	0.0	0.1	0.184	B

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	360	0.000	0	0.0	0.0	0.000	A
B-AD	80	20	124	0.648	79	1.3	1.6	1.280	F
A-B	246	61			246				
A-C	1267	317			1267				
A-D	22	6	444	0.050	22	0.1	0.1	0.142	A
D-A	10	2	11	0.920	8	1.3	1.8	7.998	F
D-BC	205	51	177	1.154	174	11.0	18.6	5.175	F
C-D	243	61			243				
C-A	860	215			860				
C-B	22	6	340	0.065	22	0.1	0.1	0.189	B

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	461	0.000	0	0.0	0.0	0.000	A
B-AD	66	16	229	0.286	70	1.6	0.4	0.387	C
A-B	200	50			200				
A-C	1035	259			1035				
A-D	18	4	493	0.036	18	0.1	0.0	0.126	A
D-A	8	2	178	0.045	15	1.8	0.0	0.383	C
D-BC	167	42	273	0.611	234	18.6	1.9	2.148	F
C-D	199	50			199				
C-A	702	176			702				
C-B	18	4	403	0.045	18	0.1	0.0	0.156	A

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	542	0.000	0	0.0	0.0	0.000	A
B-AD	55	14	326	0.168	56	0.4	0.2	0.222	B
A-B	168	42			168				
A-C	867	217			867				
A-D	15	4	530	0.028	15	0.0	0.0	0.117	A
D-A	7	2	453	0.015	7	0.0	0.0	0.134	A
D-BC	140	35	344	0.407	145	1.9	0.7	0.307	C
C-D	166	42			166				
C-A	588	147			588				
C-B	15	4	470	0.032	15	0.0	0.0	0.132	A

2022 Base, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (min)	Junction LOS
1	untitled	Right-Left Stagger	Two-way	0.83	E

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D3	2022 Base	AM	2021 AM Base + CD	ONE HOUR	07:30	09:00	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		ONE HOUR	✓	805	100.000
B		ONE HOUR	✓	139	100.000
C		ONE HOUR	✓	1369	100.000
D		ONE HOUR	✓	220	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
From		A	B	C	D
	A	0	61	729	15
	B	90	0	0	49
	C	814	12	0	543
	D	2	39	179	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
From		A	B	C	D
	A	0	9	5	7
	B	1	0	0	0
	C	5	0	0	2
	D	0	3	11	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (min)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-C	0.00	0.00	0.0	A	0	0
B-AD	0.88	1.71	4.0	F	128	191
A-B					56	84
A-C					669	1003
A-D	0.05	0.20	0.1	B	14	21
D-A	1.21	40.70	0.6	F	2	3
D-BC	1.19	5.88	23.9	F	200	300
C-D					498	747
C-A					747	1120
C-B	0.03	0.13	0.0	A	11	17

Main Results for each time segment

07:30 - 07:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	600	0.000	0	0.0	0.0	0.000	A
B-AD	105	26	380	0.275	103	0.0	0.4	0.215	B
A-B	46	11			46				
A-C	549	137			549				
A-D	11	3	426	0.027	11	0.0	0.0	0.145	A
D-A	2	0.38	461	0.003	1	0.0	0.0	0.130	A
D-BC	164	41	355	0.462	161	0.0	0.8	0.304	C
C-D	409	102			409				
C-A	613	153			613				
C-B	9	2	556	0.016	9	0.0	0.0	0.110	A

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	542	0.000	0	0.0	0.0	0.000	A
B-AD	125	31	301	0.415	124	0.4	0.7	0.336	C
A-B	55	14			55				
A-C	655	164			655				
A-D	13	3	379	0.036	13	0.0	0.0	0.164	A
D-A	2	0.45	348	0.005	2	0.0	0.0	0.174	B
D-BC	196	49	291	0.673	192	0.8	1.9	0.582	D
C-D	488	122			488				
C-A	732	183			732				
C-B	11	3	521	0.021	11	0.0	0.0	0.118	A

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	441	0.000	0	0.0	0.0	0.000	A
B-AD	153	38	191	0.799	144	0.7	2.9	1.120	F
A-B	67	17			67				
A-C	803	201			803				
A-D	17	4	314	0.053	16	0.0	0.1	0.202	B
D-A	2	0.55	2	1.208	0.54	0.0	0.4	40.704	F
D-BC	240	60	203	1.183	193	1.9	13.6	2.966	F
C-D	598	149			598				
C-A	896	224			896				
C-B	13	3	472	0.028	13	0.0	0.0	0.131	A

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	417	0.000	0	0.0	0.0	0.000	A
B-AD	153	38	178	0.858	149	2.9	4.0	1.708	F
A-B	67	17			67				
A-C	803	201			803				
A-D	17	4	312	0.053	17	0.1	0.1	0.203	B
D-A	2	0.55	3	0.831	1	0.4	0.6	35.822	F
D-BC	240	60	201	1.193	199	13.6	23.9	5.878	F
C-D	598	149			598				
C-A	896	224			896				
C-B	13	3	460	0.029	13	0.0	0.0	0.134	A

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	509	0.000	0	0.0	0.0	0.000	A
B-AD	125	31	276	0.454	137	4.0	0.9	0.469	C
A-B	55	14			55				
A-C	655	164			655				
A-D	13	3	376	0.036	14	0.1	0.0	0.166	A
D-A	2	0.45	4	0.418	2	0.6	0.6	15.132	F
D-BC	196	49	288	0.680	277	23.9	3.7	3.248	F
C-D	488	122			488				
C-A	732	183			732				
C-B	11	3	498	0.022	11	0.0	0.0	0.123	A

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	594	0.000	0	0.0	0.0	0.000	A
B-AD	105	26	376	0.278	107	0.9	0.4	0.224	B
A-B	46	11			46				
A-C	549	137			549				
A-D	11	3	425	0.027	11	0.0	0.0	0.145	A
D-A	2	0.38	450	0.003	4	0.6	0.0	0.135	A
D-BC	164	41	354	0.463	175	3.7	0.9	0.354	C
C-D	409	102			409				
C-A	613	153			613				
C-B	9	2	552	0.016	9	0.0	0.0	0.110	A

2022 Base, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (min)	Junction LOS
1	untitled	Right-Left Stagger	Two-way	2.33	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D4	2022 Base	PM	2021 AM Base + CD + D	ONE HOUR	16:30	18:00	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		ONE HOUR	✓	1528	100.000
B		ONE HOUR	✓	83	100.000
C		ONE HOUR	✓	1131	100.000
D		ONE HOUR	✓	231	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
From		A	B	C	D
	A	0	244	1259	25
	B	49	0	0	34
	C	854	22	0	255
	D	16	65	150	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
From		A	B	C	D
	A	0	0	0	0
	B	2	0	0	11
	C	2	0	0	4
	D	11	2	8	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (min)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-C	0.00	0.00	0.0	A	0	0
B-AD	2.14	11.85	20.1	F	76	114
A-B					224	336
A-C					1155	1733
A-D	0.07	0.16	0.1	A	23	34
D-A	1.98	31.75	5.0	F	15	22
D-BC	1.97	23.70	60.7	F	197	296
C-D					234	351
C-A					784	1175
C-B	0.09	0.23	0.1	B	20	30

Main Results for each time segment

16:30 - 16:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	512	0.000	0	0.0	0.0	0.000	A
B-AD	62	16	286	0.219	61	0.0	0.3	0.266	C
A-B	184	46			184				
A-C	948	237			948				
A-D	19	5	510	0.037	19	0.0	0.0	0.122	A
D-A	12	3	417	0.029	12	0.0	0.0	0.148	A
D-BC	162	40	309	0.524	158	0.0	1.0	0.388	C
C-D	192	48			192				
C-A	643	161			643				
C-B	17	4	446	0.037	16	0.0	0.0	0.140	A

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	437	0.000	0	0.0	0.0	0.000	A
B-AD	75	19	195	0.383	73	0.3	0.6	0.488	C
A-B	219	55			219				
A-C	1132	283			1132				
A-D	22	6	470	0.048	22	0.0	0.0	0.134	A
D-A	14	4	205	0.070	14	0.0	0.1	0.314	C
D-BC	193	48	232	0.833	184	1.0	3.5	1.078	F
C-D	229	57			229				
C-A	768	192			768				
C-B	20	5	389	0.051	20	0.0	0.1	0.163	A

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	303	0.000	0	0.0	0.0	0.000	A
B-AD	91	23	69	1.326	62	0.6	7.8	5.831	F
A-B	269	67			269				
A-C	1386	347			1386				
A-D	28	7	415	0.066	27	0.0	0.1	0.155	A
D-A	18	4	9	1.856	7	0.1	2.8	16.032	F
D-BC	237	59	126	1.879	125	3.5	31.5	9.301	F
C-D	281	70			281				
C-A	940	235			940				
C-B	24	6	309	0.078	24	0.1	0.1	0.210	B

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	284	0.000	0	0.0	0.0	0.000	A
B-AD	91	23	43	2.145	42	7.8	20.1	11.852	F
A-B	269	67			269				
A-C	1386	347			1386				
A-D	28	7	408	0.067	28	0.1	0.1	0.158	A
D-A	18	4	10	1.848	9	2.8	5.0	31.760	F
D-BC	237	59	120	1.972	120	31.5	80.7	23.701	F
C-D	281	70			281				
C-A	940	235			940				
C-B	24	6	283	0.086	24	0.1	0.1	0.232	B

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	324	0.000	0	0.0	0.0	0.000	A
B-AD	75	19	139	0.537	132	20.1	5.7	9.982	F
A-B	219	55			219				
A-C	1132	283			1132				
A-D	22	6	451	0.050	23	0.1	0.1	0.140	A
D-A	14	4	17	0.848	14	5.0	5.0	19.284	F
D-BC	193	48	216	0.888	212	80.7	58.0	18.074	F
C-D	229	57			229				
C-A	768	192			768				
C-B	20	5	333	0.059	20	0.1	0.1	0.192	B

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	448	0.000	0	0.0	0.0	0.000	A
B-AD	62	16	233	0.268	84	5.7	0.4	0.457	D
A-B	184	46			184				
A-C	948	237			948				
A-D	19	5	504	0.037	19	0.1	0.0	0.124	A
D-A	12	3	25	0.479	21	5.0	2.8	11.852	F
D-BC	162	40	304	0.533	298	58.0	21.8	7.937	F
C-D	192	48			192				
C-A	643	161			643				
C-B	17	4	393	0.042	17	0.1	0.0	0.159	A

2022 Base + Dev, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (min)	Junction LOS
1	untitled	Right-Left Stagger	Two-way	1.08	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D5	2022 Base + Dev	AM	2021 AM Base + CD	ONE HOUR	07:30	09:00	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		ONE HOUR	✓	811	100.000
B		ONE HOUR	✓	140	100.000
C		ONE HOUR	✓	1387	100.000
D		ONE HOUR	✓	253	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
From		A	B	C	D
	A	0	61	729	21
	B	90	0	0	50
	C	814	12	0	561
	D	7	44	202	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
From		A	B	C	D
	A	0	9	5	7
	B	1	0	0	0
	C	5	0	0	2
	D	0	3	11	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (min)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-C	0.00	0.00	0.0	A	0	0
B-AD	0.88	2.80	6.6	F	128	193
A-B					56	84
A-C					669	1003
A-D	0.08	0.21	0.1	B	19	29
D-A	1.41	23.18	1.8	F	6	10
D-BC	1.38	8.82	41.0	F	226	339
C-D					515	772
C-A					747	1120
C-B	0.03	0.14	0.0	A	11	17

Main Results for each time segment

07:30 - 07:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	593	0.000	0	0.0	0.0	0.000	A
B-AD	105	26	372	0.283	104	0.0	0.4	0.222	B
A-B	46	11			46				
A-C	549	137			549				
A-D	16	4	423	0.037	16	0.0	0.0	0.147	A
D-A	5	1	443	0.012	5	0.0	0.0	0.137	A
D-BC	185	46	352	0.527	181	0.0	1.1	0.344	C
C-D	422	106			422				
C-A	613	153			613				
C-B	9	2	551	0.016	9	0.0	0.0	0.111	A

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	534	0.000	0	0.0	0.0	0.000	A
B-AD	126	31	291	0.433	124	0.4	0.7	0.358	C
A-B	55	14			55				
A-C	655	164			655				
A-D	19	5	375	0.050	19	0.0	0.1	0.168	B
D-A	6	2	280	0.022	6	0.0	0.0	0.219	B
D-BC	221	55	287	0.770	214	1.1	2.8	0.762	E
C-D	504	126			504				
C-A	732	183			732				
C-B	11	3	514	0.021	11	0.0	0.0	0.119	A

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	425	0.000	0	0.0	0.0	0.000	A
B-AD	154	39	178	0.884	142	0.7	3.7	1.385	F
A-B	67	17			67				
A-C	803	201			803				
A-D	23	6	309	0.075	23	0.1	0.1	0.209	B
D-A	8	2	5	1.405	3	0.0	1.2	16.867	F
D-BC	271	68	198	1.388	194	2.8	22.1	4.415	F
C-D	618	154			618				
C-A	896	224			896				
C-B	13	3	463	0.029	13	0.0	0.0	0.133	A

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	395	0.000	0	0.0	0.0	0.000	A
B-AD	154	39	157	0.982	142	3.7	6.6	2.597	F
A-B	67	17			67				
A-C	803	201			803				
A-D	23	6	307	0.075	23	0.1	0.1	0.211	B
D-A	8	2	7	1.132	5	1.2	1.8	23.181	F
D-BC	271	68	196	1.383	195	22.1	41.0	8.922	F
C-D	618	154			618				
C-A	896	224			896				
C-B	13	3	445	0.030	13	0.0	0.0	0.139	A

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	474	0.000	0	0.0	0.0	0.000	A
B-AD	126	31	247	0.510	148	6.6	1.1	0.716	E
A-B	55	14			55				
A-C	655	164			655				
A-D	19	5	370	0.051	19	0.1	0.1	0.171	B
D-A	6	2	10	0.633	6	1.8	1.8	15.086	F
D-BC	221	55	282	0.784	275	41.0	27.4	7.224	F
C-D	504	126			504				
C-A	732	183			732				
C-B	11	3	475	0.023	11	0.0	0.0	0.129	A

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	562	0.000	0	0.0	0.0	0.000	A
B-AD	105	26	342	0.308	108	1.1	0.5	0.259	C
A-B	46	11			46				
A-C	549	137			549				
A-D	16	4	422	0.037	16	0.1	0.0	0.148	A
D-A	5	1	250	0.021	12	1.8	0.0	0.260	C
D-BC	185	46	351	0.528	290	27.4	1.3	1.970	F
C-D	422	106			422				
C-A	613	153			613				
C-B	9	2	524	0.017	9	0.0	0.0	0.116	A

2022 Base + Dev, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (min)	Junction LOS
1	untitled	Right-Left Stagger	Two-way	4.19	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D6	2022 Base + Dev	PM	2021 AM Base + CD + D	ONE HOUR	16:30	18:00	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		ONE HOUR	✓	1551	100.000
B		ONE HOUR	✓	87	100.000
C		ONE HOUR	✓	1153	100.000
D		ONE HOUR	✓	246	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
		A	B	C	D
From	A	0	244	1259	48
	B	49	0	0	38
	C	854	22	0	277
	D	19	69	158	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
		A	B	C	D
From	A	0	0	0	0
	B	2	0	0	11
	C	2	0	0	4
	D	11	2	8	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (min)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-C	0.00	0.00	0.0	A	0	0
B-AD	3.42	43.38	27.8	F	80	120
A-B					224	336
A-C					1155	1733
A-D	0.13	0.17	0.2	B	44	66
D-A	2.30	41.04	6.9	F	17	26
D-BC	2.37	33.37	76.7	F	208	312
C-D					254	381
C-A					784	1175
C-B	0.09	0.24	0.1	B	20	30

Main Results for each time segment

16:30 - 16:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	509	0.000	0	0.0	0.0	0.000	A
B-AD	65	16	280	0.234	64	0.0	0.3	0.277	C
A-B	184	46			184				
A-C	948	237			948				
A-D	36	9	505	0.072	36	0.0	0.1	0.128	A
D-A	14	4	402	0.036	14	0.0	0.0	0.155	A
D-BC	171	43	300	0.569	166	0.0	1.2	0.433	D
C-D	209	52			209				
C-A	643	161			643				
C-B	17	4	444	0.037	16	0.0	0.0	0.140	A

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	431	0.000	0	0.0	0.0	0.000	A
B-AD	78	20	188	0.415	77	0.3	0.7	0.530	D
A-B	219	55			219				
A-C	1132	283			1132				
A-D	43	11	464	0.093	43	0.1	0.1	0.142	A
D-A	17	4	101	0.169	16	0.0	0.2	0.706	E
D-BC	204	51	222	0.920	189	1.2	5.0	1.428	F
C-D	249	62			249				
C-A	768	192			768				
C-B	20	5	386	0.051	20	0.0	0.1	0.164	A

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	300	0.000	0	0.0	0.0	0.000	A
B-AD	96	24	60	1.584	56	0.7	10.6	9.388	F
A-B	269	67			269				
A-C	1386	347			1386				
A-D	53	13	408	0.129	53	0.1	0.1	0.169	B
D-A	21	5	9	2.297	7	0.2	3.6	18.406	F
D-BC	250	62	113	2.203	113	5.0	38.4	12.802	F
C-D	305	76			305				
C-A	940	235			940				
C-B	24	6	305	0.080	24	0.1	0.1	0.214	B

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	277	0.000	0	0.0	0.0	0.000	A
B-AD	96	24	28	3.421	28	10.6	27.8	43.390	F
A-B	269	67			269				
A-C	1386	347			1386				
A-D	53	13	399	0.132	53	0.1	0.2	0.173	B
D-A	21	5	9	2.292	9	3.6	6.6	41.038	F
D-BC	250	62	105	2.370	105	39.4	76.5	33.371	F
C-D	305	76			305				
C-A	940	235			940				
C-B	24	6	272	0.089	24	0.1	0.1	0.242	B

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	312	0.000	0	0.0	0.0	0.000	A
B-AD	78	20	119	0.657	115	27.8	18.4	19.178	F
A-B	219	55			219				
A-C	1132	283			1132				
A-D	43	11	439	0.098	43	0.2	0.1	0.152	A
D-A	17	4	17	0.892	16	6.6	6.9	23.888	F
D-BC	204	51	200	1.021	199	75.5	76.7	20.763	F
C-D	249	62			249				
C-A	768	192			768				
C-B	20	5	316	0.063	20	0.1	0.1	0.202	B

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	394	0.000	0	0.0	0.0	0.000	A
B-AD	65	16	208	0.314	137	18.4	0.5	1.711	F
A-B	184	46			184				
A-C	948	237			948				
A-D	36	9	488	0.074	36	0.1	0.1	0.133	A
D-A	14	4	25	0.572	22	6.9	5.0	16.800	F
D-BC	171	43	285	0.599	282	75.7	49.0	13.457	F
C-D	209	52			209				
C-A	643	161			643				
C-B	17	4	372	0.045	17	0.1	0.0	0.169	B

2031 Base, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (min)	Junction LOS
1	untitled	Right-Left Stagger	Two-way	1.71	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D7	2031 Base	AM	2021 AM Base + CD	ONE HOUR	07:30	09:00	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		ONE HOUR	✓	866	100.000
B		ONE HOUR	✓	149	100.000
C		ONE HOUR	✓	1471	100.000
D		ONE HOUR	✓	246	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
From		A	B	C	D
	A	0	66	784	16
	B	97	0	0	52
	C	875	13	0	583
	D	2	42	202	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
From		A	B	C	D
	A	0	9	5	7
	B	1	0	0	0
	C	5	0	0	2
	D	0	3	11	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (min)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-C	0.00	0.00	0.0	A	0	0
B-AD	1.45	7.73	22.4	F	137	205
A-B					61	91
A-C					719	1079
A-D	0.06	0.23	0.1	B	15	22
D-A	1.87	57.01	0.8	F	2	3
D-BC	1.88	13.83	56.9	F	224	336
C-D					535	802
C-A					803	1204
C-B	0.03	0.15	0.0	A	12	18

Main Results for each time segment

07:30 - 07:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	577	0.000	0	0.0	0.0	0.000	A
B-AD	112	28	348	0.323	110	0.0	0.5	0.251	C
A-B	50	12			50				
A-C	590	148			590				
A-D	12	3	408	0.030	12	0.0	0.0	0.151	A
D-A	2	0.38	422	0.004	1	0.0	0.0	0.143	A
D-BC	184	46	330	0.556	179	0.0	1.2	0.386	C
C-D	439	110			439				
C-A	659	165			659				
C-B	10	2	541	0.018	10	0.0	0.0	0.113	A

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	510	0.000	0	0.0	0.0	0.000	A
B-AD	134	33	262	0.512	132	0.5	1.0	0.455	C
A-B	59	15			59				
A-C	705	176			705				
A-D	14	4	357	0.040	14	0.0	0.0	0.175	B
D-A	2	0.45	202	0.009	2	0.0	0.0	0.300	C
D-BC	219	55	262	0.839	209	1.2	3.7	1.605	F
C-D	524	131			524				
C-A	787	197			787				
C-B	12	3	502	0.023	12	0.0	0.0	0.122	A

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	396	0.000	0	0.0	0.0	0.000	A
B-AD	164	41	142	1.157	131	1.0	9.4	3.181	F
A-B	73	18			73				
A-C	863	216			863				
A-D	18	4	288	0.061	18	0.0	0.1	0.222	B
D-A	2	0.55	1	1.872	0.42	0.0	0.5	57.011	F
D-BC	269	67	167	1.611	165	3.7	29.7	6.777	F
C-D	642	160			642				
C-A	963	241			963				
C-B	14	4	447	0.032	14	0.0	0.0	0.139	A

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	377	0.000	0	0.0	0.0	0.000	A
B-AD	164	41	113	1.454	112	9.4	22.4	7.731	F
A-B	73	18			73				
A-C	863	216			863				
A-D	18	4	281	0.063	18	0.1	0.1	0.228	B
D-A	2	0.55	2	1.323	0.94	0.5	0.8	38.397	F
D-BC	269	67	160	1.679	160	29.7	58.9	13.527	F
C-D	642	160			642				
C-A	963	241			963				
C-B	14	4	422	0.034	14	0.0	0.0	0.147	A

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	398	0.000	0	0.0	0.0	0.000	A
B-AD	134	33	200	0.671	191	22.4	8.1	4.903	F
A-B	59	15			59				
A-C	705	176			705				
A-D	14	4	339	0.042	14	0.1	0.0	0.185	B
D-A	2	0.45	3	0.676	2	0.8	0.8	33.170	F
D-BC	219	55	244	0.899	240	58.9	51.8	12.125	F
C-D	524	131			524				
C-A	787	197			787				
C-B	12	3	448	0.026	12	0.0	0.0	0.138	A

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	504	0.000	0	0.0	0.0	0.000	A
B-AD	112	28	290	0.387	142	8.1	0.7	0.485	D
A-B	50	12			50				
A-C	590	148			590				
A-D	12	3	401	0.030	12	0.0	0.0	0.154	A
D-A	2	0.38	4	0.373	2	0.8	0.8	26.840	F
D-BC	184	46	324	0.568	317	51.8	18.4	6.757	F
C-D	439	110			439				
C-A	659	165			659				
C-B	10	2	490	0.020	10	0.0	0.0	0.125	A

2031 Base, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (min)	Junction LOS
1	untitled	Right-Left Stagger	Two-way	6.49	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D8	2031 Base	PM	2021 AM Base + CD + D	ONE HOUR	16:30	18:00	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		ONE HOUR	✓	1643	100.000
B		ONE HOUR	✓	89	100.000
C		ONE HOUR	✓	1216	100.000
D		ONE HOUR	✓	248	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
From		A	B	C	D
	A	0	262	1354	27
	B	53	0	0	36
	C	919	24	0	273
	D	17	70	161	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
From		A	B	C	D
	A	0	0	0	0
	B	2	0	0	11
	C	2	0	0	4
	D	11	2	8	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (min)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-C	0.00	0.00	0.0	A	0	0
B-AD	8888888888.00	31.80	51.3	F	82	123
A-B					240	361
A-C					1242	1864
A-D	0.08	0.18	0.1	B	25	37
D-A	3.58	40.08	8.9	F	16	23
D-BC	3.92	70.88	111.3	F	212	318
C-D					251	376
C-A					843	1265
C-B	0.11	0.29	0.1	C	22	33

Main Results for each time segment

16:30 - 16:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	485	0.000	0	0.0	0.0	0.000	A
B-AD	67	17	251	0.267	66	0.0	0.4	0.321	C
A-B	197	49			197				
A-C	1019	255			1019				
A-D	20	5	495	0.041	20	0.0	0.0	0.126	A
D-A	13	3	372	0.034	13	0.0	0.0	0.167	B
D-BC	174	43	279	0.623	168	0.0	1.5	0.516	D
C-D	206	51			206				
C-A	692	173			692				
C-B	18	5	424	0.043	18	0.0	0.0	0.148	A

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	397	0.000	0	0.0	0.0	0.000	A
B-AD	80	20	153	0.522	77	0.4	1.0	0.788	E
A-B	236	59			236				
A-C	1217	304			1217				
A-D	24	6	452	0.054	24	0.0	0.1	0.140	A
D-A	15	4	14	1.078	9	0.0	1.6	10.790	F
D-BC	208	52	196	1.057	180	1.5	8.5	2.555	F
C-D	245	61			245				
C-A	826	207			826				
C-B	22	5	363	0.060	22	0.0	0.1	0.176	B

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	275	0.000	0	0.0	0.0	0.000	A
B-AD	98	24	13	7.297	13	1.0	22.2	31.804	F
A-B	288	72			288				
A-C	1491	373			1491				
A-D	30	7	392	0.076	30	0.1	0.1	0.165	A
D-A	19	5	7	2.803	7	1.6	4.7	35.437	F
D-BC	254	64	82	3.098	82	8.5	51.8	21.390	F
C-D	301	75			301				
C-A	1012	253			1012				
C-B	26	7	273	0.097	26	0.1	0.1	0.243	B

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	247	0.000	0	0.0	0.0	0.000	A
B-AD	98	24	0	999999999.000	0	22.2	48.7	8.448	F
A-B	288	72			288				
A-C	1491	373			1491				
A-D	30	7	373	0.080	30	0.1	0.1	0.175	B
D-A	19	5	5	3.558	5	4.7	8.1	40.080	F
D-BC	254	64	65	3.920	65	51.8	99.0	70.876	F
C-D	301	75			301				
C-A	1012	253			1012				
C-B	26	7	232	0.114	26	0.1	0.1	0.292	C

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	279	0.000	0	0.0	0.0	0.000	A
B-AD	80	20	62	1.297	62	48.7	51.3	28.254	F
A-B	236	59			236				
A-C	1217	304			1217				
A-D	24	6	408	0.059	24	0.1	0.1	0.156	A
D-A	15	4	12	1.224	12	8.1	8.9	38.097	F
D-BC	208	52	159	1.309	159	98.0	111.3	31.883	F
C-D	245	61			245				
C-A	826	207			826				
C-B	22	5	271	0.080	22	0.1	0.1	0.241	B

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	317	0.000	0	0.0	0.0	0.000	A
B-AD	67	17	147	0.457	144	51.3	32.1	17.514	F
A-B	197	49			197				
A-C	1019	255			1019				
A-D	20	5	447	0.046	20	0.1	0.0	0.141	A
D-A	13	3	18	0.693	17	8.9	7.9	30.513	F
D-BC	174	43	237	0.734	235	111.3	96.0	26.488	F
C-D	206	51			206				
C-A	692	173			692				
C-B	18	5	319	0.057	18	0.1	0.1	0.199	B

2031 Base + 550 No Thru Link, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (min)	Junction LOS
1	untitled	Right-Left Stagger	Two-way	3.94	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D9	2031 Base + 550 No Thru Link	AM	2021 AM Base + CD	ONE HOUR	07:30	09:00	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		ONE HOUR	✓	872	100.000
B		ONE HOUR	✓	152	100.000
C		ONE HOUR	✓	1506	100.000
D		ONE HOUR	✓	296	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
	A	B	C	D	
From	A	0	66	784	22
	B	97	0	0	55
	C	875	13	0	618
	D	7	52	237	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
	A	B	C	D	
From	A	0	9	5	7
	B	1	0	0	0
	C	5	0	0	2
	D	0	3	11	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (min)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-C	0.00	0.00	0.0	A	0	0
B-AD	2.31	15.89	33.9	F	139	209
A-B					61	91
A-C					719	1079
A-D	0.09	0.25	0.1	B	20	30
D-A	1.78	35.55	3.0	F	6	10
D-BC	2.14	28.45	99.1	F	265	398
C-D					567	851
C-A					803	1204
C-B	0.04	0.16	0.0	A	12	18

Main Results for each time segment

07:30 - 07:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	566	0.000	0	0.0	0.0	0.000	A
B-AD	114	29	334	0.343	112	0.0	0.5	0.268	C
A-B	50	12			50				
A-C	590	148			590				
A-D	17	4	402	0.041	16	0.0	0.0	0.156	A
D-A	5	1	373	0.014	5	0.0	0.0	0.163	A
D-BC	218	54	326	0.668	210	0.0	1.8	0.493	D
C-D	465	116			465				
C-A	659	165			659				
C-B	10	2	532	0.018	10	0.0	0.0	0.115	A

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	494	0.000	0	0.0	0.0	0.000	A
B-AD	137	34	245	0.559	134	0.5	1.2	0.530	D
A-B	59	15			59				
A-C	705	176			705				
A-D	20	5	350	0.056	20	0.0	0.1	0.181	B
D-A	6	2	6	1.034	3	0.0	0.9	18.307	F
D-BC	260	65	256	1.015	234	1.8	8.4	1.853	F
C-D	556	139			556				
C-A	787	197			787				
C-B	12	3	492	0.024	12	0.0	0.0	0.125	A

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	384	0.000	0	0.0	0.0	0.000	A
B-AD	167	42	116	1.437	111	1.2	15.2	6.089	F
A-B	73	18			73				
A-C	863	216			863				
A-D	24	6	279	0.087	24	0.1	0.1	0.236	B
D-A	8	2	5	1.514	4	0.9	1.8	28.972	F
D-BC	318	80	160	1.990	159	8.4	48.1	11.478	F
C-D	680	170			680				
C-A	963	241			963				
C-B	14	4	431	0.033	14	0.0	0.0	0.144	A

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	354	0.000	0	0.0	0.0	0.000	A
B-AD	167	42	72	2.333	72	15.2	38.9	15.426	F
A-B	73	18			73				
A-C	863	216			863				
A-D	24	6	267	0.091	24	0.1	0.1	0.247	B
D-A	8	2	4	1.752	4	1.8	2.8	35.549	F
D-BC	318	80	149	2.139	149	48.1	90.5	28.452	F
C-D	680	170			680				
C-A	963	241			963				
C-B	14	4	392	0.036	14	0.0	0.0	0.159	A

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	366	0.000	0	0.0	0.0	0.000	A
B-AD	137	34	147	0.933	143	38.9	37.4	19.667	F
A-B	59	15			59				
A-C	705	176			705				
A-D	20	5	318	0.062	20	0.1	0.1	0.201	B
D-A	6	2	6	0.892	5	2.8	3.0	32.471	F
D-BC	260	65	226	1.152	225	90.5	99.1	23.042	F
C-D	556	139			556				
C-A	787	197			787				
C-B	12	3	405	0.029	12	0.0	0.0	0.152	A

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	391	0.000	0	0.0	0.0	0.000	A
B-AD	114	29	224	0.510	219	37.4	11.4	9.882	F
A-B	50	12			50				
A-C	590	148			590				
A-D	17	4	371	0.045	17	0.1	0.0	0.169	B
D-A	5	1	8	0.630	7	3.0	2.7	27.972	F
D-BC	218	54	296	0.735	293	99.1	90.2	18.377	F
C-D	465	116			465				
C-A	659	165			659				
C-B	10	2	436	0.022	10	0.0	0.0	0.141	A

2031 Base + 550 No Thru Link, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (min)	Junction LOS
1	untitled	Right-Left Stagger	Two-way	5.79	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Description	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)	Run automatically
D10	2031 Base + 550 No Thru Link	PM	2021 AM Base + CD + D	ONE HOUR	16:30	18:00	15	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A		ONE HOUR	✓	1666	100.000
B		ONE HOUR	✓	99	100.000
C		ONE HOUR	✓	1266	100.000
D		ONE HOUR	✓	277	100.000

Origin-Destination Data

Demand (Veh/hr)

		To			
From		A	B	C	D
	A	0	262	1354	50
	B	53	0	0	46
	C	919	24	0	323
	D	19	79	179	0

Vehicle Mix

Heavy Vehicle Percentages

		To			
From		A	B	C	D
	A	0	0	0	0
	B	2	0	0	11
	C	2	0	0	4
	D	11	2	8	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (min)	Max Queue (Veh)	Max LOS	Average Demand (Veh/hr)	Total Junction Arrivals (Veh)
B-C	0.00	0.00	0.0	A	0	0
B-AD	0.0000000000000000	53.88	73.8	F	91	136
A-B					240	361
A-C					1242	1864
A-D	0.16	0.20	0.2	B	46	69
D-A	8.00	88.48	12.0	F	17	26
D-BC	8.45	48.03	154.0	F	237	355
C-D					296	445
C-A					843	1265
C-B	0.13	0.33	0.1	C	22	33

Main Results for each time segment

16:30 - 16:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	475	0.000	0	0.0	0.0	0.000	A
B-AD	75	19	239	0.312	73	0.0	0.4	0.359	C
A-B	197	49			197				
A-C	1019	255			1019				
A-D	38	9	484	0.078	37	0.0	0.1	0.134	A
D-A	14	4	315	0.045	14	0.0	0.0	0.199	B
D-BC	194	49	268	0.725	185	0.0	2.2	0.671	E
C-D	243	61			243				
C-A	692	173			692				
C-B	18	5	419	0.043	18	0.0	0.0	0.149	A

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	378	0.000	0	0.0	0.0	0.000	A
B-AD	89	22	138	0.643	85	0.4	1.5	1.048	F
A-B	236	59			236				
A-C	1217	304			1217				
A-D	45	11	439	0.102	45	0.1	0.1	0.152	A
D-A	17	4	13	1.303	9	0.0	2.1	18.148	F
D-BC	232	58	183	1.288	176	2.2	16.2	5.195	F
C-D	290	73			290				
C-A	826	207			826				
C-B	22	5	356	0.061	21	0.0	0.1	0.179	B

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	266	0.000	0	0.0	0.0	0.000	A
B-AD	109	27	0	0.0000000000000000	0	1.5	28.8	34.870	F
A-B	288	72			288				
A-C	1491	373			1491				
A-D	55	14	376	0.146	55	0.1	0.2	0.186	B
D-A	21	5	5	3.828	5	2.1	6.0	88.468	F
D-BC	284	71	65	4.365	65	16.2	70.9	40.442	F
C-D	356	89			356				
C-A	1012	253			1012				
C-B	26	7	258	0.102	26	0.1	0.1	0.258	C

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	230	0.000	0	0.0	0.0	0.000	A
B-AD	109	27	0	0.000	0	28.8	58.0	38.888	F
A-B	288	72			288				
A-C	1491	373			1491				
A-D	55	14	351	0.157	55	0.2	0.2	0.203	B
D-A	21	5	3	0.998	3	6.0	10.4	91.399	F
D-BC	284	71	44	8.453	44	70.9	130.9	48.032	F
C-D	356	89			356				
C-A	1012	253			1012				
C-B	26	7	207	0.128	26	0.1	0.1	0.332	C

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	254	0.000	0	0.0	0.0	0.000	A
B-AD	89	22	19	4.801	19	58.0	73.6	53.665	F
A-B	236	59			236				
A-C	1217	304			1217				
A-D	45	11	387	0.116	45	0.2	0.1	0.176	B
D-A	17	4	11	1.573	11	10.4	12.0	50.883	F
D-BC	232	58	140	1.882	140	130.9	154.0	48.026	F
C-D	290	73			290				
C-A	826	207			826				
C-B	22	5	235	0.092	22	0.1	0.1	0.282	C

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Junction Arrivals (Veh)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	Start queue (Veh)	End queue (Veh)	Delay (min)	LOS
B-C	0	0	285	0.000	0	0.0	0.0	0.000	A
B-AD	75	19	95	0.784	94	73.6	68.8	45.580	F
A-B	197	49			197				
A-C	1019	255			1019				
A-D	38	9	415	0.091	38	0.1	0.1	0.159	A
D-A	14	4	16	0.885	15	12.0	11.8	47.949	F
D-BC	194	49	210	0.923	209	154.0	150.4	43.702	F
C-D	243	61			243				
C-A	692	173			692				
C-B	18	5	274	0.066	18	0.1	0.1	0.234	B