

Junctions 9	
PICADY 9 - Priority Intersection Module	
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Filename: UPDATE.j9

Path: O:\London\Vectos\Projects\Projects\220000\226799 - Nutfield Green Park\MODELLING\Junctions\High Street - Mid Street - Park Works Road Junction\240617 - UPDATE

Report generation date: 17/06/2024 18:52:13

»2024 Base + Com Dev, AM (08:00-09:00)
 »2024 Base + Com Dev, PM (17:00-18:00)
 »2024 Base + Com Dev, PM (16:00-17:00)
 »2024 Base + Com Dev + Dev, AM (08:00-09:00)
 »2024 Base + Com Dev + Dev, PM (17:00-18:00)
 »2024 Base + Com Dev + Dev, PM (16:00-17:00)
 »2029 Future Base + Com Dev, AM (08:00-09:00)
 »2029 Future Base + Com Dev, PM (17:00-18:00)
 »2029 Future Base + Com Dev, PM (16:00-17:00)
 »2029 Future Base + Com Dev + Dev, AM (08:00-09:00)
 »2029 Future Base + Com Dev + Dev, PM (17:00-18:00)
 »2029 Future Base + Com Dev + Dev, PM (16:00-17:00)
 »2024 Base + Com Dev + Dev (Adjusted), AM (08:00-09:00)
 »2024 Base + Com Dev + Dev (Adjusted), PM (17:00-18:00)
 »2024 Base + Com Dev + Dev (Adjusted), PM (16:00-17:00)
 »2029 Future Base + Com Dev + Dev (Adjusted), AM (08:00-09:00)
 »2029 Future Base + Com Dev + Dev (Adjusted), PM (17:00-18:00)
 »2029 Future Base + Com Dev + Dev (Adjusted), PM (16:00-17:00)

Summary of junction performance

	AM (08:00-09:00)					PM (17:00-18:00)					PM (16:00-17:00)				
	Set ID	Queue (Veh)	Delay (s)	RFC	LOS	Set ID	Queue (Veh)	Delay (s)	RFC	LOS	Set ID	Queue (Veh)	Delay (s)	RFC	LOS
	2024 Base + Com Dev														
Stream B-CD	D1	0.4	14.90	0.30	B	D2	0.5	22.85	0.36	C	D3	0.7	22.07	0.40	C
Stream B-A		1.5	32.56	0.60	D		3.7	55.50	0.81	F		3.4	49.69	0.79	E
Stream AB-CD		0.0	4.13	0.01	A		0.0	4.90	0.01	A		0.0	4.80	0.01	A
Stream D-ABC		0.0	8.03	0.01	A		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Stream CD-AB		0.6	7.07	0.26	A		1.0	5.78	0.35	A		0.6	5.05	0.23	A
	2024 Base + Com Dev + Dev														
Stream B-CD	D4	0.7	19.67	0.43	C	D5	1.0	37.99	0.51	E	D6	1.2	36.98	0.55	E
Stream B-A		2.0	44.89	0.68	E		4.8	73.72	0.86	F		4.7	68.99	0.85	F
Stream AB-CD		0.0	4.05	0.02	A		0.0	4.81	0.01	A		0.0	4.68	0.01	A
Stream D-ABC		0.0	8.36	0.02	A		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Stream CD-AB		1.0	8.26	0.38	A		1.2	6.02	0.39	A		0.7	5.17	0.26	A
	2029 Future Base + Com Dev														
Stream B-CD	D7	0.5	16.52	0.33	C	D8	0.9	35.75	0.48	E	D9	0.9	31.47	0.50	D
Stream B-A		1.7	37.26	0.64	E		4.8	70.84	0.86	F		4.4	62.48	0.84	F
Stream AB-CD		0.0	4.09	0.01	A		0.0	4.87	0.01	A		0.0	4.77	0.01	A
Stream D-ABC		0.0	8.12	0.01	A		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Stream CD-AB		0.7	7.18	0.27	A		1.1	5.88	0.37	A		0.6	5.08	0.24	A
	2029 Future Base + Com Dev + Dev														
Stream B-CD	D10	0.9	23.61	0.48	C	D11	3.2	123.98	0.86	F	D12	2.9	90.69	0.81	F
Stream B-A		2.4	53.87	0.73	F		6.7	98.01	0.92	F		6.4	91.71	0.91	F
Stream AB-CD		0.0	4.01	0.02	A		0.0	4.78	0.01	A		0.0	4.66	0.01	A
Stream D-ABC		0.0	8.46	0.02	A		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Stream CD-AB		1.1	8.46	0.39	A		1.3	6.16	0.41	A		0.8	5.21	0.27	A
	2024 Base + Com Dev + Dev (Adjusted)														
Stream B-CD	D13	0.6	17.76	0.38	C	D14	0.8	32.07	0.46	D	D15	1.0	30.90	0.50	D
Stream B-A		1.8	40.32	0.65	E		4.5	68.13	0.85	F		4.3	62.72	0.84	F
Stream AB-CD		0.0	4.07	0.01	A		0.0	4.83	0.01	A		0.0	4.71	0.01	A
Stream D-ABC		0.0	8.26	0.01	A		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Stream CD-AB		0.9	7.80	0.34	A		1.2	5.93	0.37	A		0.7	5.13	0.25	A
	2029 Future Base + Com Dev + Dev (Adjusted)														
Stream B-CD	D16	0.7	20.77	0.43	C	D17	1.9	77.42	0.71	F	D18	1.9	62.22	0.70	F
Stream B-A		2.2	47.87	0.70	E		6.1	90.26	0.90	F		5.8	82.95	0.89	F
Stream AB-CD		0.0	4.03	0.02	A		0.0	4.80	0.01	A		0.0	4.68	0.01	A
Stream D-ABC		0.0	8.36	0.02	A		0.0	0.00	0.00	A		0.0	0.00	0.00	A
Stream CD-AB		1.0	8.01	0.36	A		1.3	6.10	0.40	A		0.7	5.19	0.27	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	
Location	
Site number	
Date	27/03/2024
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	SLR\ethan.terry
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	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	2024 Base + Com Dev	AM (08:00-09:00)	ONE HOUR	07:45	09:15	15
D2	2024 Base + Com Dev	PM (17:00-18:00)	ONE HOUR	16:45	18:15	15
D3	2024 Base + Com Dev	PM (16:00-17:00)	ONE HOUR	15:45	17:15	15
D4	2024 Base + Com Dev + Dev	AM (08:00-09:00)	ONE HOUR	07:45	09:15	15
D5	2024 Base + Com Dev + Dev	PM (17:00-18:00)	ONE HOUR	16:45	18:15	15
D6	2024 Base + Com Dev + Dev	PM (16:00-17:00)	ONE HOUR	15:45	17:15	15
D7	2029 Future Base + Com Dev	AM (08:00-09:00)	ONE HOUR	07:45	09:15	15
D8	2029 Future Base + Com Dev	PM (17:00-18:00)	ONE HOUR	16:45	18:15	15
D9	2029 Future Base + Com Dev	PM (16:00-17:00)	ONE HOUR	15:45	17:15	15
D10	2029 Future Base + Com Dev + Dev	AM (08:00-09:00)	ONE HOUR	07:45	09:15	15
D11	2029 Future Base + Com Dev + Dev	PM (17:00-18:00)	ONE HOUR	16:45	18:15	15
D12	2029 Future Base + Com Dev + Dev	PM (16:00-17:00)	ONE HOUR	15:45	17:15	15
D13	2024 Base + Com Dev + Dev (Adjusted)	AM (08:00-09:00)	ONE HOUR	07:45	09:15	15
D14	2024 Base + Com Dev + Dev (Adjusted)	PM (17:00-18:00)	ONE HOUR	16:45	18:15	15
D15	2024 Base + Com Dev + Dev (Adjusted)	PM (16:00-17:00)	ONE HOUR	15:45	17:15	15
D16	2029 Future Base + Com Dev + Dev (Adjusted)	AM (08:00-09:00)	ONE HOUR	07:45	09:15	15
D17	2029 Future Base + Com Dev + Dev (Adjusted)	PM (17:00-18:00)	ONE HOUR	16:45	18:15	15
D18	2029 Future Base + Com Dev + Dev (Adjusted)	PM (16:00-17:00)	ONE HOUR	15:45	17:15	15

Analysis Set Details

ID	Network flow scaling factor (%)
A1	100.000

2024 Base + Com Dev, AM (08:00-09:00)

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A25 / Mid Street / Park Works Road	Left-Right Stagger	Two-way		2.90	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	High Street (E)		Major
B	Mid Street		Minor
C	High Street (W)		Major
D	Park Works Road		Minor

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
A - High Street (E)	6.52			105.3	✓	0.00
C - High Street (W)	6.75			182.7	✓	0.00

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

Minor Arm Geometry

Arm	Minor arm type	Lane width (m)	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 - Mid Street	One lane plus flare		10.00	6.31	4.76	4.34	3.50	✓	2.00	48	37
D - Park Works Road	One lane	2.90								20	17

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Stream	Intercept (Veh/hr)	Slope for A-B	Slope for A-C	Slope for A-D	Slope for B-C	Slope for B-D	Slope for C-A	Slope for C-B	Slope for C-D	Slope for D-A	Slope for D-B
AB-D	635	-	-	-	-	-	0.240	0.240	0.240	-	-
B-A	558	0.098	0.249	0.249	-	-	0.156	0.355	-	0.156	0.355
B-CD	654	0.097	0.245	0.245	-	-	-	-	-	-	-
CD-B	680	0.255	0.255	0.255	-	-	-	-	-	-	-
D-AB	629	-	-	-	-	-	0.238	0.238	0.094	-	-
D-C	488	-	0.138	0.313	0.138	0.313	0.219	0.219	0.087	-	-

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	2024 Base + Com Dev	AM (08:00-09:00)	ONE HOUR	07:45	09:15	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 (Veh/hr)	Scaling Factor (%)
A - High Street (E)		✓	817	100.000
B - Mid Street		✓	246	100.000
C - High Street (W)		✓	391	100.000
D - Park Works Road		✓	6	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	278	536	3
	B - Mid Street	151	0	94	1
	C - High Street (W)	312	78	0	1
	D - Park Works Road	2	3	1	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	3	4	0
	B - Mid Street	1	0	3	0
	C - High Street (W)	11	1	0	0
	D - Park Works Road	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-CD	0.30	14.90	0.4	B
B-A	0.60	32.56	1.5	D
A-B				
A-C				
A-D				
AB-CD	0.01	4.13	0.0	A
AB-C				
D-ABC	0.01	8.03	0.0	A
C-D				
C-A				
C-B				
CD-AB	0.26	7.07	0.6	A
CD-A				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	72	471	0.152	71	0.2	8.976	A
B-A	114	365	0.311	112	0.4	14.114	B
A-B	209			209			
A-C	404			404			
A-D	2			2			
AB-CD	7	879	0.007	6	0.0	4.125	A
AB-C	470			470			
D-ABC	5	503	0.009	4	0.0	7.218	A
C-D	0.75			0.75			
C-A	235			235			
C-B	59			59			
CD-AB	94	674	0.139	93	0.3	6.191	A
CD-A	203			203			

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	85	430	0.199	85	0.2	10.442	B
B-A	136	328	0.414	135	0.7	18.509	C
A-B	250			250			
A-C	482			482			
A-D	3			3			
AB-CD	9	932	0.010	9	0.0	3.898	A
AB-C	561			561			
D-ABC	5	483	0.011	5	0.0	7.532	A
C-D	0.90			0.90			
C-A	280			280			
C-B	70			70			
CD-AB	125	680	0.184	125	0.4	6.467	A
CD-A	230			230			

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	105	350	0.299	104	0.4	14.577	B
B-A	166	276	0.602	163	1.4	31.146	D
A-B	306			306			
A-C	590			590			
A-D	3			3			
AB-CD	14	1006	0.014	14	0.0	3.623	A
AB-C	683			683			
D-ABC	7	455	0.015	7	0.0	8.032	A
C-D	1			1			
C-A	344			344			
C-B	86			86			
CD-AB	179	691	0.260	178	0.6	7.014	A
CD-A	255			255			

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	105	346	0.302	105	0.4	14.897	B
B-A	166	276	0.602	166	1.5	32.555	D
A-B	306			306			
A-C	590			590			
A-D	3			3			
AB-CD	14	1007	0.014	14	0.0	3.628	A
AB-C	684			684			
D-ABC	7	455	0.015	7	0.0	8.033	A
C-D	1			1			
C-A	344			344			
C-B	86			86			
CD-AB	180	691	0.260	180	0.6	7.068	A
CD-A	255			255			

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	85	426	0.200	86	0.3	10.604	B
B-A	136	328	0.413	139	0.7	19.252	C
A-B	250			250			
A-C	482			482			
A-D	3			3			
AB-CD	9	932	0.010	9	0.0	3.908	A
AB-C	561			561			
D-ABC	5	483	0.011	5	0.0	7.533	A
C-D	0.90			0.90			
C-A	280			280			
C-B	70			70			
CD-AB	125	680	0.184	126	0.4	6.560	A
CD-A	230			230			

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	72	469	0.152	72	0.2	9.061	A
B-A	114	365	0.311	115	0.5	14.439	B
A-B	209			209			
A-C	404			404			
A-D	2			2			
AB-CD	7	880	0.007	7	0.0	4.129	A
AB-C	471			471			
D-ABC	5	503	0.009	5	0.0	7.219	A
C-D	0.75			0.75			
C-A	235			235			
C-B	59			59			
CD-AB	94	674	0.140	95	0.3	6.250	A
CD-A	203			203			

2024 Base + Com Dev, PM (17:00-18:00)

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A25 / Mid Street / Park Works Road	Left-Right Stagger	Two-way		6.29	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	2024 Base + Com Dev	PM (17:00-18:00)	ONE HOUR	16:45	18:15	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 (Veh/hr)	Scaling Factor (%)
A - High Street (E)		✓	467	100.000
B - Mid Street		✓	312	100.000
C - High Street (W)		✓	670	100.000
D - Park Works Road		✓	0	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
From		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
	A - High Street (E)	0	120	346	1
	B - Mid Street	233	0	78	1
	C - High Street (W)	558	110	0	2
	D - Park Works Road	0	0	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
From		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
	A - High Street (E)	0	1	3	0
	B - Mid Street	0	0	0	0
	C - High Street (W)	2	2	0	0
	D - Park Works Road	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-CD	0.36	22.85	0.5	C
B-A	0.81	55.50	3.7	F
A-B				
A-C				
A-D				
AB-CD	0.01	4.90	0.0	A
AB-C				
D-ABC	0.00	0.00	0.0	A
C-D				
C-A				
C-B				
CD-AB	0.35	5.78	1.0	A
CD-A				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	59	477	0.125	59	0.1	8.602	A
B-A	175	403	0.435	172	0.7	15.423	C
A-B	90			90			
A-C	260			260			
A-D	0.75			0.75			
AB-CD	3	737	0.004	3	0.0	4.900	A
AB-C	318			318			
D-ABC	0	399	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	420			420			
C-B	83			83			
CD-AB	162	859	0.189	160	0.4	5.150	A
CD-A	341			341			

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	71	419	0.169	71	0.2	10.326	B
B-A	209	367	0.570	207	1.3	22.231	C
A-B	108			108			
A-C	311			311			
A-D	0.90			0.90			
AB-CD	4	763	0.005	4	0.0	4.739	A
AB-C	379			379			
D-ABC	0	369	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	502			502			
C-B	99			99			
CD-AB	224	902	0.248	223	0.6	5.311	A
CD-A	377			377			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	87	266	0.327	86	0.5	19.886	C
B-A	257	317	0.809	248	3.3	47.383	E
A-B	132			132			
A-C	381			381			
A-D	1			1			
AB-CD	5	799	0.007	5	0.0	4.528	A
AB-C	463			463			
D-ABC	0	326	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	614			614			
C-B	121			121			
CD-AB	337	964	0.349	335	1.0	5.744	A
CD-A	399			399			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	87	244	0.357	87	0.5	22.850	C
B-A	257	317	0.809	255	3.7	55.498	F
A-B	132			132			
A-C	381			381			
A-D	1			1			
AB-CD	5	800	0.007	5	0.0	4.531	A
AB-C	463			463			
D-ABC	0	326	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	614			614			
C-B	121			121			
CD-AB	338	965	0.350	338	1.0	5.776	A
CD-A	398			398			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	71	405	0.175	72	0.2	10.870	B
B-A	209	367	0.570	219	1.4	25.506	D
A-B	108			108			
A-C	311			311			
A-D	0.90			0.90			
AB-CD	4	764	0.005	4	0.0	4.744	A
AB-C	381			381			
D-ABC	0	369	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	502			502			
C-B	99			99			
CD-AB	225	904	0.249	227	0.6	5.348	A
CD-A	376			376			

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	59	473	0.126	60	0.1	8.727	A
B-A	175	403	0.436	178	0.8	16.170	C
A-B	90			90			
A-C	260			260			
A-D	0.75			0.75			
AB-CD	3	738	0.004	3	0.0	4.901	A
AB-C	318			318			
D-ABC	0	399	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	420			420			
C-B	83			83			
CD-AB	163	860	0.190	164	0.4	5.186	A
CD-A	340			340			

2024 Base + Com Dev, PM (16:00-17:00)

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A25 / Mid Street / Park Works Road	Left-Right Stagger	Two-way		6.17	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	2024 Base + Com Dev	PM (16:00-17:00)	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 (Veh/hr)	Scaling Factor (%)
A - High Street (E)		✓	463	100.000
B - Mid Street		✓	339	100.000
C - High Street (W)		✓	579	100.000
D - Park Works Road		✓	3	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	125	338	0
	B - Mid Street	240	0	96	3
	C - High Street (W)	499	77	0	3
	D - Park Works Road	1	1	1	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	2	5	0
	B - Mid Street	1	0	1	0
	C - High Street (W)	2	0	0	0
	D - Park Works Road	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-CD	0.40	22.07	0.7	C
B-A	0.79	49.69	3.4	E
A-B				
A-C				
A-D				
AB-CD	0.01	4.80	0.0	A
AB-C				
D-ABC	0.00	0.00	0.0	A
C-D				
C-A				
C-B				
CD-AB	0.23	5.05	0.6	A
CD-A				

Main Results for each time segment

15:45 - 16:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	75	478	0.156	74	0.2	8.879	A
B-A	181	411	0.440	178	0.8	15.259	C
A-B	94			94			
A-C	254			254			
A-D	0			0			
AB-CD	4	755	0.005	4	0.0	4.794	A
AB-C	324			324			
D-ABC	0	414	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	376			376			
C-B	58			58			
CD-AB	105	838	0.125	104	0.3	4.909	A
CD-A	329			329			

16:00 - 16:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	89	423	0.210	89	0.3	10.755	B
B-A	216	379	0.570	214	1.3	21.555	C
A-B	112			112			
A-C	304			304			
A-D	0			0			
AB-CD	5	783	0.007	5	0.0	4.623	A
AB-C	387			387			
D-ABC	0	387	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	449			449			
C-B	69			69			
CD-AB	143	873	0.164	143	0.4	4.927	A
CD-A	375			375			

16:15 - 16:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	109	288	0.378	108	0.6	19.792	C
B-A	264	333	0.793	257	3.1	43.388	E
A-B	138			138			
A-C	372			372			
A-D	0			0			
AB-CD	8	824	0.009	8	0.0	4.406	A
AB-C	472			472			
D-ABC	0	349	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	549			549			
C-B	85			85			
CD-AB	210	925	0.227	209	0.6	5.035	A
CD-A	424			424			

16:30 - 16:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	109	271	0.402	109	0.7	22.073	C
B-A	264	333	0.794	263	3.4	49.686	E
A-B	138			138			
A-C	372			372			
A-D	0			0			
AB-CD	8	824	0.010	8	0.0	4.410	A
AB-C	473			473			
D-ABC	0	349	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	549			549			
C-B	85			85			
CD-AB	211	925	0.228	210	0.6	5.051	A
CD-A	424			424			

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	89	411	0.217	90	0.3	11.277	B
B-A	216	379	0.569	224	1.4	24.278	C
A-B	112			112			
A-C	304			304			
A-D	0			0			
AB-CD	5	784	0.007	5	0.0	4.631	A
AB-C	389			389			
D-ABC	0	387	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	449			449			
C-B	69			69			
CD-AB	143	874	0.164	144	0.4	4.953	A
CD-A	374			374			

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	75	474	0.157	75	0.2	9.021	A
B-A	181	411	0.440	183	0.8	15.971	C
A-B	94			94			
A-C	254			254			
A-D	0			0			
AB-CD	4	755	0.005	4	0.0	4.797	A
AB-C	325			325			
D-ABC	0	414	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	376			376			
C-B	58			58			
CD-AB	106	838	0.126	106	0.3	4.929	A
CD-A	328			328			

2024 Base + Com Dev + Dev, AM (08:00-09:00)

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A25 / Mid Street / Park Works Road	Left-Right Stagger	Two-way		4.01	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	2024 Base + Com Dev + Dev	AM (08:00-09:00)	ONE HOUR	07:45	09:15	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 (Veh/hr)	Scaling Factor (%)
A - High Street (E)		✓	836	100.000
B - Mid Street		✓	276	100.000
C - High Street (W)		✓	444	100.000
D - Park Works Road		✓	6	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	278	555	3
	B - Mid Street	151	0	124	1
	C - High Street (W)	332	111	0	1
	D - Park Works Road	2	3	1	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	3	4	0
	B - Mid Street	1	0	3	0
	C - High Street (W)	10	1	0	0
	D - Park Works Road	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-CD	0.43	19.67	0.7	C
B-A	0.68	44.89	2.0	E
A-B				
A-C				
A-D				
AB-CD	0.02	4.05	0.0	A
AB-C				
D-ABC	0.02	8.36	0.0	A
C-D				
C-A				
C-B				
CD-AB	0.38	8.26	1.0	A
CD-A				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	94	476	0.198	93	0.2	9.385	A
B-A	114	342	0.332	112	0.5	15.492	C
A-B	209			209			
A-C	418			418			
A-D	2			2			
AB-CD	7	897	0.008	7	0.0	4.043	A
AB-C	506			506			
D-ABC	5	492	0.009	4	0.0	7.386	A
C-D	0.75			0.75			
C-A	250			250			
C-B	84			84			
CD-AB	136	682	0.199	134	0.4	6.569	A
CD-A	201			201			

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	112	428	0.262	112	0.3	11.355	B
B-A	136	303	0.449	135	0.8	21.265	C
A-B	250			250			
A-C	499			499			
A-D	3			3			
AB-CD	10	955	0.010	10	0.0	3.806	A
AB-C	604			604			
D-ABC	5	469	0.011	5	0.0	7.758	A
C-D	0.90			0.90			
C-A	298			298			
C-B	100			100			
CD-AB	182	690	0.264	182	0.6	7.070	A
CD-A	220			220			

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	138	328	0.419	136	0.7	18.604	C
B-A	166	245	0.678	162	1.8	41.228	E
A-B	306			306			
A-C	611			611			
A-D	3			3			
AB-CD	16	1036	0.015	16	0.0	3.524	A
AB-C	735			735			
D-ABC	7	437	0.015	7	0.0	8.363	A
C-D	1			1			
C-A	366			366			
C-B	122			122			
CD-AB	265	704	0.376	263	1.0	8.155	A
CD-A	229			229			

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	138	320	0.430	137	0.7	19.675	C
B-A	166	245	0.679	166	2.0	44.888	E
A-B	306			306			
A-C	611			611			
A-D	3			3			
AB-CD	16	1037	0.015	16	0.0	3.528	A
AB-C	736			736			
D-ABC	7	437	0.015	7	0.0	8.365	A
C-D	1			1			
C-A	366			366			
C-B	122			122			
CD-AB	265	705	0.377	265	1.0	8.259	A
CD-A	228			228			

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	112	423	0.266	114	0.4	11.707	B
B-A	136	302	0.449	140	0.8	22.751	C
A-B	250			250			
A-C	499			499			
A-D	3			3			
AB-CD	10	956	0.011	10	0.0	3.812	A
AB-C	605			605			
D-ABC	5	469	0.011	5	0.0	7.760	A
C-D	0.90			0.90			
C-A	298			298			
C-B	100			100			
CD-AB	183	691	0.265	185	0.6	7.207	A
CD-A	220			220			

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	94	473	0.199	95	0.3	9.516	A
B-A	114	342	0.332	115	0.5	15.956	C
A-B	209			209			
A-C	418			418			
A-D	2			2			
AB-CD	7	898	0.008	7	0.0	4.045	A
AB-C	508			508			
D-ABC	5	492	0.009	5	0.0	7.390	A
C-D	0.75			0.75			
C-A	250			250			
C-B	84			84			
CD-AB	137	682	0.200	138	0.4	6.656	A
CD-A	201			201			

2024 Base + Com Dev + Dev, PM (17:00-18:00)

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A25 / Mid Street / Park Works Road	Left-Right Stagger	Two-way		8.14	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	2024 Base + Com Dev + Dev	PM (17:00-18:00)	ONE HOUR	16:45	18:15	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 (Veh/hr)	Scaling Factor (%)
A - High Street (E)		✓	497	100.000
B - Mid Street		✓	319	100.000
C - High Street (W)		✓	703	100.000
D - Park Works Road		✓	0	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	120	376	1
	B - Mid Street	233	0	85	1
	C - High Street (W)	585	116	0	2
	D - Park Works Road	0	0	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	1	3	0
	B - Mid Street	0	0	0	0
	C - High Street (W)	2	2	0	0
	D - Park Works Road	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-CD	0.51	37.99	1.0	E
B-A	0.86	73.72	4.8	F
A-B				
A-C				
A-D				
AB-CD	0.01	4.81	0.0	A
AB-C				
D-ABC	0.00	0.00	0.0	A
C-D				
C-A				
C-B				
CD-AB	0.39	6.02	1.2	A
CD-A				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	65	471	0.137	64	0.2	8.825	A
B-A	175	390	0.450	172	0.8	16.330	C
A-B	90			90			
A-C	283			283			
A-D	0.75			0.75			
AB-CD	3	752	0.004	3	0.0	4.804	A
AB-C	345			345			
D-ABC	0	390	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	440			440			
C-B	87			87			
CD-AB	177	869	0.204	175	0.4	5.191	A
CD-A	351			351			

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	77	407	0.190	77	0.2	10.910	B
B-A	209	352	0.595	207	1.4	24.469	C
A-B	108			108			
A-C	338			338			
A-D	0.90			0.90			
AB-CD	4	781	0.005	4	0.0	4.628	A
AB-C	412			412			
D-ABC	0	358	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	526			526			
C-B	104			104			
CD-AB	247	914	0.270	246	0.7	5.404	A
CD-A	383			383			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	95	223	0.425	93	0.7	27.336	D
B-A	257	298	0.860	245	4.2	58.437	F
A-B	132			132			
A-C	414			414			
A-D	1			1			
AB-CD	6	823	0.007	6	0.0	4.402	A
AB-C	502			502			
D-ABC	0	313	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	644			644			
C-B	128			128			
CD-AB	376	979	0.384	374	1.2	5.973	A
CD-A	395			395			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	95	187	0.506	94	1.0	37.994	E
B-A	257	298	0.861	254	4.8	73.719	F
A-B	132			132			
A-C	414			414			
A-D	1			1			
AB-CD	6	823	0.007	6	0.0	4.404	A
AB-C	503			503			
D-ABC	0	312	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	644			644			
C-B	128			128			
CD-AB	378	981	0.385	378	1.2	6.018	A
CD-A	394			394			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	77	385	0.201	80	0.3	11.930	B
B-A	209	352	0.596	223	1.6	30.248	D
A-B	108			108			
A-C	338			338			
A-D	0.90			0.90			
AB-CD	4	783	0.005	4	0.0	4.627	A
AB-C	415			415			
D-ABC	0	358	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	526			526			
C-B	104			104			
CD-AB	248	916	0.271	250	0.7	5.449	A
CD-A	382			382			

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	65	466	0.139	65	0.2	8.985	A
B-A	175	389	0.450	178	0.8	17.275	C
A-B	90			90			
A-C	283			283			
A-D	0.75			0.75			
AB-CD	3	753	0.004	3	0.0	4.807	A
AB-C	346			346			
D-ABC	0	390	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	440			440			
C-B	87			87			
CD-AB	178	870	0.205	179	0.5	5.233	A
CD-A	349			349			

2024 Base + Com Dev + Dev, PM (16:00-17:00)

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A25 / Mid Street / Park Works Road	Left-Right Stagger	Two-way		8.26	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	2024 Base + Com Dev + Dev	PM (16:00-17:00)	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 (Veh/hr)	Scaling Factor (%)
A - High Street (E)		✓	502	100.000
B - Mid Street		✓	347	100.000
C - High Street (W)		✓	623	100.000
D - Park Works Road		✓	3	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	125	377	0
	B - Mid Street	240	0	104	3
	C - High Street (W)	536	84	0	3
	D - Park Works Road	1	1	1	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	2	4	0
	B - Mid Street	1	0	1	0
	C - High Street (W)	2	0	0	0
	D - Park Works Road	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-CD	0.55	36.98	1.2	E
B-A	0.85	68.99	4.7	F
A-B				
A-C				
A-D				
AB-CD	0.01	4.68	0.0	A
AB-C				
D-ABC	0.00	0.00	0.0	A
C-D				
C-A				
C-B				
CD-AB	0.26	5.17	0.7	A
CD-A				

Main Results for each time segment

15:45 - 16:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	81	471	0.171	80	0.2	9.176	A
B-A	181	395	0.458	177	0.8	16.330	C
A-B	94			94			
A-C	284			284			
A-D	0			0			
AB-CD	4	774	0.005	4	0.0	4.678	A
AB-C	359			359			
D-ABC	0	403	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	404			404			
C-B	63			63			
CD-AB	120	851	0.141	119	0.3	4.918	A
CD-A	346			346			

16:00 - 16:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	96	408	0.236	96	0.3	11.515	B
B-A	216	360	0.599	213	1.4	24.131	C
A-B	112			112			
A-C	339			339			
A-D	0			0			
AB-CD	6	806	0.007	6	0.0	4.491	A
AB-C	429			429			
D-ABC	0	373	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	482			482			
C-B	76			76			
CD-AB	166	890	0.186	165	0.4	4.969	A
CD-A	392			392			

16:15 - 16:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	118	242	0.487	115	0.9	27.926	D
B-A	264	310	0.852	254	4.1	55.491	F
A-B	138			138			
A-C	415			415			
A-D	0			0			
AB-CD	8	853	0.010	8	0.0	4.257	A
AB-C	522			522			
D-ABC	0	331	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	590			590			
C-B	92			92			
CD-AB	247	946	0.262	246	0.7	5.153	A
CD-A	435			435			

16:30 - 16:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	118	213	0.554	117	1.2	36.984	E
B-A	264	310	0.854	262	4.7	68.992	F
A-B	138			138			
A-C	415			415			
A-D	0			0			
AB-CD	9	854	0.010	9	0.0	4.258	A
AB-C	523			523			
D-ABC	0	331	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	590			590			
C-B	92			92			
CD-AB	248	947	0.262	248	0.7	5.174	A
CD-A	435			435			

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	96	388	0.248	99	0.3	12.608	B
B-A	216	360	0.599	228	1.6	29.399	D
A-B	112			112			
A-C	339			339			
A-D	0			0			
AB-CD	6	809	0.007	6	0.0	4.490	A
AB-C	432			432			
D-ABC	0	373	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	482			482			
C-B	76			76			
CD-AB	166	891	0.187	167	0.4	5.002	A
CD-A	391			391			

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	81	466	0.173	81	0.2	9.361	A
B-A	181	395	0.458	184	0.9	17.266	C
A-B	94			94			
A-C	284			284			
A-D	0			0			
AB-CD	4	775	0.006	4	0.0	4.679	A
AB-C	361			361			
D-ABC	0	403	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	404			404			
C-B	63			63			
CD-AB	121	852	0.142	122	0.3	4.948	A
CD-A	346			346			

2029 Future Base + Com Dev, AM (08:00-09:00)

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A25 / Mid Street / Park Works Road	Left-Right Stagger	Two-way		3.26	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	2029 Future Base + Com Dev	AM (08:00-09:00)	ONE HOUR	07:45	09:15	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 (Veh/hr)	Scaling Factor (%)
A - High Street (E)		✓	842	100.000
B - Mid Street		✓	254	100.000
C - High Street (W)		✓	403	100.000
D - Park Works Road		✓	6	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	287	552	3
	B - Mid Street	156	0	97	1
	C - High Street (W)	322	80	0	1
	D - Park Works Road	2	3	1	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	3	4	0
	B - Mid Street	1	0	3	0
	C - High Street (W)	11	1	0	0
	D - Park Works Road	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-CD	0.33	16.52	0.5	C
B-A	0.64	37.26	1.7	E
A-B				
A-C				
A-D				
AB-CD	0.01	4.09	0.0	A
AB-C				
D-ABC	0.01	8.12	0.0	A
C-D				
C-A				
C-B				
CD-AB	0.27	7.18	0.7	A
CD-A				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	74	465	0.159	73	0.2	9.162	A
B-A	117	360	0.327	116	0.5	14.637	B
A-B	216			216			
A-C	416			416			
A-D	2			2			
AB-CD	7	887	0.008	7	0.0	4.089	A
AB-C	484			484			
D-ABC	5	500	0.009	4	0.0	7.263	A
C-D	0.75			0.75			
C-A	242			242			
C-B	60			60			
CD-AB	98	675	0.145	97	0.3	6.222	A
CD-A	209			209			

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	88	421	0.209	88	0.3	10.805	B
B-A	140	321	0.436	139	0.7	19.622	C
A-B	258			258			
A-C	496			496			
A-D	3			3			
AB-CD	9	941	0.010	9	0.0	3.858	A
AB-C	577			577			
D-ABC	5	479	0.011	5	0.0	7.592	A
C-D	0.90			0.90			
C-A	289			289			
C-B	72			72			
CD-AB	131	681	0.192	130	0.4	6.520	A
CD-A	235			235			

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	108	331	0.326	107	0.5	15.998	C
B-A	172	267	0.642	168	1.6	35.094	E
A-B	316			316			
A-C	608			608			
A-D	3			3			
AB-CD	15	1019	0.014	15	0.0	3.580	A
AB-C	703			703			
D-ABC	7	450	0.015	7	0.0	8.121	A
C-D	1			1			
C-A	355			355			
C-B	88			88			
CD-AB	189	693	0.273	188	0.7	7.112	A
CD-A	259			259			

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	108	326	0.331	108	0.5	16.522	C
B-A	172	267	0.643	171	1.7	37.256	E
A-B	316			316			
A-C	608			608			
A-D	3			3			
AB-CD	15	1019	0.014	15	0.0	3.585	A
AB-C	704			704			
D-ABC	7	450	0.015	7	0.0	8.122	A
C-D	1			1			
C-A	355			355			
C-B	88			88			
CD-AB	190	694	0.274	190	0.7	7.178	A
CD-A	258			258			

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	88	416	0.212	89	0.3	11.022	B
B-A	140	322	0.436	144	0.8	20.644	C
A-B	258			258			
A-C	496			496			
A-D	3			3			
AB-CD	10	942	0.010	10	0.0	3.866	A
AB-C	578			578			
D-ABC	5	479	0.011	5	0.0	7.594	A
C-D	0.90			0.90			
C-A	289			289			
C-B	72			72			
CD-AB	131	682	0.193	132	0.4	6.617	A
CD-A	235			235			

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	74	463	0.159	74	0.2	9.261	A
B-A	117	360	0.327	119	0.5	15.022	C
A-B	216			216			
A-C	416			416			
A-D	2			2			
AB-CD	7	888	0.008	7	0.0	4.092	A
AB-C	485			485			
D-ABC	5	500	0.009	5	0.0	7.264	A
C-D	0.75			0.75			
C-A	242			242			
C-B	60			60			
CD-AB	98	675	0.146	99	0.3	6.287	A
CD-A	208			208			

2029 Future Base + Com Dev, PM (17:00-18:00)

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A25 / Mid Street / Park Works Road	Left-Right Stagger	Two-way		8.09	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)
D8	2029 Future Base + Com Dev	PM (17:00-18:00)	ONE HOUR	16:45	18:15	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 (Veh/hr)	Scaling Factor (%)
A - High Street (E)		✓	482	100.000
B - Mid Street		✓	322	100.000
C - High Street (W)		✓	691	100.000
D - Park Works Road		✓	0	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
From		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
	A - High Street (E)	0	124	357	1
	B - Mid Street	240	0	81	1
	C - High Street (W)	576	113	0	2
	D - Park Works Road	0	0	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
From		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
	A - High Street (E)	0	1	3	0
	B - Mid Street	0	0	0	0
	C - High Street (W)	2	2	0	0
	D - Park Works Road	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-CD	0.48	35.75	0.9	E
B-A	0.86	70.84	4.8	F
A-B				
A-C				
A-D				
AB-CD	0.01	4.87	0.0	A
AB-C				
D-ABC	0.00	0.00	0.0	A
C-D				
C-A				
C-B				
CD-AB	0.37	5.88	1.1	A
CD-A				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	62	470	0.131	61	0.1	8.793	A
B-A	181	397	0.455	177	0.8	16.137	C
A-B	93			93			
A-C	269			269			
A-D	0.75			0.75			
AB-CD	3	741	0.004	3	0.0	4.872	A
AB-C	328			328			
D-ABC	0	394	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	434			434			
C-B	85			85			
CD-AB	170	866	0.197	169	0.4	5.158	A
CD-A	348			348			

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	74	405	0.182	73	0.2	10.844	B
B-A	216	360	0.599	213	1.4	24.118	C
A-B	111			111			
A-C	321			321			
A-D	0.90			0.90			
AB-CD	4	768	0.005	4	0.0	4.706	A
AB-C	392			392			
D-ABC	0	363	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	518			518			
C-B	102			102			
CD-AB	237	911	0.260	236	0.6	5.346	A
CD-A	383			383			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	90	223	0.405	89	0.6	26.424	D
B-A	264	308	0.857	253	4.2	56.610	F
A-B	137			137			
A-C	393			393			
A-D	1			1			
AB-CD	5	806	0.007	5	0.0	4.491	A
AB-C	477			477			
D-ABC	0	319	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	634			634			
C-B	124			124			
CD-AB	359	975	0.368	357	1.1	5.847	A
CD-A	400			400			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	90	189	0.477	89	0.9	35.748	E
B-A	264	308	0.858	262	4.8	70.838	F
A-B	137			137			
A-C	393			393			
A-D	1			1			
AB-CD	5	807	0.007	5	0.0	4.491	A
AB-C	478			478			
D-ABC	0	319	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	634			634			
C-B	124			124			
CD-AB	360	976	0.369	360	1.1	5.884	A
CD-A	399			399			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	74	383	0.192	76	0.2	11.803	B
B-A	216	360	0.599	229	1.6	29.609	D
A-B	111			111			
A-C	321			321			
A-D	0.90			0.90			
AB-CD	4	770	0.005	4	0.0	4.704	A
AB-C	394			394			
D-ABC	0	363	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	518			518			
C-B	102			102			
CD-AB	238	912	0.261	240	0.7	5.388	A
CD-A	381			381			

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	62	465	0.133	62	0.2	8.950	A
B-A	181	397	0.455	184	0.9	17.099	C
A-B	93			93			
A-C	269			269			
A-D	0.75			0.75			
AB-CD	3	742	0.004	3	0.0	4.873	A
AB-C	329			329			
D-ABC	0	394	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	434			434			
C-B	85			85			
CD-AB	172	867	0.198	172	0.4	5.200	A
CD-A	347			347			

2029 Future Base + Com Dev, PM (16:00-17:00)

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A25 / Mid Street / Park Works Road	Left-Right Stagger	Two-way		7.83	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)
D9	2029 Future Base + Com Dev	PM (16:00-17:00)	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 (Veh/hr)	Scaling Factor (%)
A - High Street (E)		✓	478	100.000
B - Mid Street		✓	350	100.000
C - High Street (W)		✓	597	100.000
D - Park Works Road		✓	3	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
From		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
	A - High Street (E)	0	129	349	0
	B - Mid Street	248	0	99	3
	C - High Street (W)	515	79	0	3
	D - Park Works Road	1	1	1	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
From		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
	A - High Street (E)	0	2	5	0
	B - Mid Street	1	0	1	0
	C - High Street (W)	2	0	0	0
	D - Park Works Road	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-CD	0.50	31.47	0.9	D
B-A	0.84	62.48	4.4	F
A-B				
A-C				
A-D				
AB-CD	0.01	4.77	0.0	A
AB-C				
D-ABC	0.00	0.00	0.0	A
C-D				
C-A				
C-B				
CD-AB	0.24	5.08	0.6	A
CD-A				

Main Results for each time segment

15:45 - 16:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	77	471	0.163	76	0.2	9.098	A
B-A	187	406	0.460	183	0.8	15.977	C
A-B	97			97			
A-C	263			263			
A-D	0			0			
AB-CD	4	759	0.005	4	0.0	4.765	A
AB-C	335			335			
D-ABC	0	410	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	388			388			
C-B	59			59			
CD-AB	110	844	0.130	109	0.3	4.899	A
CD-A	337			337			

16:00 - 16:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	92	409	0.224	91	0.3	11.312	B
B-A	223	373	0.598	221	1.4	23.326	C
A-B	116			116			
A-C	314			314			
A-D	0			0			
AB-CD	5	789	0.007	5	0.0	4.590	A
AB-C	400			400			
D-ABC	0	382	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	463			463			
C-B	71			71			
CD-AB	150	881	0.171	150	0.4	4.932	A
CD-A	384			384			

16:15 - 16:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	112	251	0.448	110	0.8	25.302	D
B-A	273	325	0.840	263	3.9	51.470	F
A-B	142			142			
A-C	384			384			
A-D	0			0			
AB-CD	8	831	0.010	8	0.0	4.368	A
AB-C	487			487			
D-ABC	0	342	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	567			567			
C-B	87			87			
CD-AB	223	934	0.238	222	0.6	5.062	A
CD-A	431			431			

16:30 - 16:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	112	225	0.499	112	0.9	31.470	D
B-A	273	325	0.841	271	4.4	62.481	F
A-B	142			142			
A-C	384			384			
A-D	0			0			
AB-CD	8	832	0.010	8	0.0	4.372	A
AB-C	488			488			
D-ABC	0	342	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	567			567			
C-B	87			87			
CD-AB	223	935	0.239	223	0.6	5.079	A
CD-A	431			431			

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	92	391	0.234	94	0.3	12.218	B
B-A	223	373	0.598	234	1.6	27.784	D
A-B	116			116			
A-C	314			314			
A-D	0			0			
AB-CD	6	791	0.007	6	0.0	4.593	A
AB-C	402			402			
D-ABC	0	382	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	463			463			
C-B	71			71			
CD-AB	151	881	0.171	152	0.4	4.957	A
CD-A	383			383			

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	77	466	0.165	77	0.2	9.274	A
B-A	187	406	0.460	190	0.9	16.864	C
A-B	97			97			
A-C	263			263			
A-D	0			0			
AB-CD	4	760	0.005	4	0.0	4.768	A
AB-C	336			336			
D-ABC	0	410	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	388			388			
C-B	59			59			
CD-AB	111	844	0.131	111	0.3	4.925	A
CD-A	336			336			

2029 Future Base + Com Dev + Dev, AM (08:00-09:00)

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A25 / Mid Street / Park Works Road	Left-Right Stagger	Two-way		4.71	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	2029 Future Base + Com Dev + Dev	AM (08:00-09:00)	ONE HOUR	07:45	09:15	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 (Veh/hr)	Scaling Factor (%)
A - High Street (E)		✓	861	100.000
B - Mid Street		✓	283	100.000
C - High Street (W)		✓	455	100.000
D - Park Works Road		✓	6	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	287	571	3
	B - Mid Street	156	0	126	1
	C - High Street (W)	341	113	0	1
	D - Park Works Road	2	3	1	0

Vehicle Mix

Heavy Vehicle Percentages

From	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
	A - High Street (E)	0	3	4	0
	B - Mid Street	1	0	3	0
	C - High Street (W)	10	1	0	0
	D - Park Works Road	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-CD	0.48	23.61	0.9	C
B-A	0.73	53.87	2.4	F
A-B				
A-C				
A-D				
AB-CD	0.02	4.01	0.0	A
AB-C				
D-ABC	0.02	8.46	0.0	A
C-D				
C-A				
C-B				
CD-AB	0.39	8.46	1.1	A
CD-A				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	96	469	0.204	95	0.3	9.596	A
B-A	117	337	0.348	115	0.5	16.074	C
A-B	216			216			
A-C	430			430			
A-D	2			2			
AB-CD	7	905	0.008	7	0.0	4.009	A
AB-C	520			520			
D-ABC	5	489	0.009	4	0.0	7.430	A
C-D	0.75			0.75			
C-A	257			257			
C-B	85			85			
CD-AB	140	682	0.206	139	0.4	6.617	A
CD-A	205			205			

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	114	418	0.273	114	0.4	11.832	B
B-A	140	296	0.473	139	0.9	22.653	C
A-B	258			258			
A-C	513			513			
A-D	3			3			
AB-CD	10	964	0.011	10	0.0	3.769	A
AB-C	619			619			
D-ABC	5	466	0.012	5	0.0	7.818	A
C-D	0.90			0.90			
C-A	307			307			
C-B	102			102			
CD-AB	189	691	0.274	188	0.6	7.156	A
CD-A	223			223			

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	140	303	0.461	138	0.8	21.527	C
B-A	172	237	0.725	166	2.2	47.761	E
A-B	316			316			
A-C	629			629			
A-D	3			3			
AB-CD	16	1048	0.016	16	0.0	3.485	A
AB-C	754			754			
D-ABC	7	432	0.015	7	0.0	8.454	A
C-D	1			1			
C-A	375			375			
C-B	124			124			
CD-AB	277	706	0.392	275	1.1	8.348	A
CD-A	229			229			

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	140	292	0.480	140	0.9	23.610	C
B-A	172	236	0.728	171	2.4	53.873	F
A-B	316			316			
A-C	629			629			
A-D	3			3			
AB-CD	16	1049	0.016	16	0.0	3.489	A
AB-C	755			755			
D-ABC	7	432	0.015	7	0.0	8.456	A
C-D	1			1			
C-A	375			375			
C-B	124			124			
CD-AB	278	706	0.393	278	1.1	8.464	A
CD-A	228			228			

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	114	410	0.278	116	0.4	12.326	B
B-A	140	296	0.474	146	0.9	24.831	C
A-B	258			258			
A-C	513			513			
A-D	3			3			
AB-CD	10	966	0.011	10	0.0	3.774	A
AB-C	622			622			
D-ABC	5	466	0.012	5	0.0	7.822	A
C-D	0.90			0.90			
C-A	307			307			
C-B	102			102			
CD-AB	190	692	0.275	192	0.6	7.305	A
CD-A	222			222			

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	96	466	0.205	96	0.3	9.749	A
B-A	117	337	0.348	119	0.5	16.626	C
A-B	216			216			
A-C	430			430			
A-D	2			2			
AB-CD	7	906	0.008	7	0.0	4.013	A
AB-C	521			521			
D-ABC	5	489	0.009	5	0.0	7.431	A
C-D	0.75			0.75			
C-A	257			257			
C-B	85			85			
CD-AB	141	683	0.207	142	0.4	6.709	A
CD-A	204			204			

2029 Future Base + Com Dev + Dev, PM (17:00-18:00)

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A25 / Mid Street / Park Works Road	Left-Right Stagger	Two-way		12.96	B

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	2029 Future Base + Com Dev + Dev	PM (17:00-18:00)	ONE HOUR	16:45	18:15	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 (Veh/hr)	Scaling Factor (%)
A - High Street (E)		✓	512	100.000
B - Mid Street		✓	329	100.000
C - High Street (W)		✓	724	100.000
D - Park Works Road		✓	0	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	124	387	1
	B - Mid Street	240	0	88	1
	C - High Street (W)	603	119	0	2
	D - Park Works Road	0	0	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	1	3	0
	B - Mid Street	0	0	0	0
	C - High Street (W)	2	2	0	0
	D - Park Works Road	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-CD	0.86	123.98	3.2	F
B-A	0.92	98.01	6.7	F
A-B				
A-C				
A-D				
AB-CD	0.01	4.78	0.0	A
AB-C				
D-ABC	0.00	0.00	0.0	A
C-D				
C-A				
C-B				
CD-AB	0.41	6.16	1.3	A
CD-A				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	67	464	0.144	66	0.2	9.038	A
B-A	181	384	0.471	177	0.9	17.153	C
A-B	93			93			
A-C	291			291			
A-D	0.75			0.75			
AB-CD	3	756	0.004	3	0.0	4.777	A
AB-C	356			356			
D-ABC	0	385	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	454			454			
C-B	90			90			
CD-AB	186	876	0.212	184	0.5	5.205	A
CD-A	358			358			

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	80	391	0.205	80	0.3	11.550	B
B-A	216	345	0.626	213	1.6	26.732	D
A-B	111			111			
A-C	348			348			
A-D	0.90			0.90			
AB-CD	4	787	0.005	4	0.0	4.596	A
AB-C	425			425			
D-ABC	0	352	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	542			542			
C-B	107			107			
CD-AB	261	923	0.283	260	0.7	5.446	A
CD-A	388			388			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	98	171	0.574	94	1.2	45.150	E
B-A	264	289	0.913	249	5.4	71.170	F
A-B	137			137			
A-C	426			426			
A-D	1			1			
AB-CD	6	829	0.007	6	0.0	4.370	A
AB-C	516			516			
D-ABC	0	305	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	664			664			
C-B	131			131			
CD-AB	401	991	0.405	399	1.3	6.106	A
CD-A	394			394			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	98	113	0.864	90	3.2	123.985	F
B-A	264	288	0.916	259	6.7	98.013	F
A-B	137			137			
A-C	426			426			
A-D	1			1			
AB-CD	6	826	0.007	6	0.0	4.391	A
AB-C	511			511			
D-ABC	0	305	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	664			664			
C-B	131			131			
CD-AB	403	992	0.406	402	1.3	6.157	A
CD-A	392			392			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	80	356	0.225	92	0.3	14.210	B
B-A	216	342	0.630	235	1.9	38.252	E
A-B	111			111			
A-C	348			348			
A-D	0.90			0.90			
AB-CD	4	795	0.005	4	0.0	4.556	A
AB-C	436			436			
D-ABC	0	351	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	542			542			
C-B	107			107			
CD-AB	263	925	0.284	265	0.8	5.500	A
CD-A	387			387			

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	67	457	0.146	67	0.2	9.244	A
B-A	181	384	0.471	184	0.9	18.383	C
A-B	93			93			
A-C	291			291			
A-D	0.75			0.75			
AB-CD	3	757	0.004	3	0.0	4.776	A
AB-C	357			357			
D-ABC	0	385	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	454			454			
C-B	90			90			
CD-AB	187	877	0.214	189	0.5	5.250	A
CD-A	356			356			

2029 Future Base + Com Dev + Dev, PM (16:00-17:00)

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A25 / Mid Street / Park Works Road	Left-Right Stagger	Two-way		12.60	B

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	2029 Future Base + Com Dev + Dev	PM (16:00-17:00)	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 (Veh/hr)	Scaling Factor (%)
A - High Street (E)		✓	516	100.000
B - Mid Street		✓	358	100.000
C - High Street (W)		✓	641	100.000
D - Park Works Road		✓	3	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	129	387	0
	B - Mid Street	248	0	107	3
	C - High Street (W)	552	86	0	3
	D - Park Works Road	1	1	1	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
From		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
	A - High Street (E)	0	2	4	0
	B - Mid Street	1	0	1	0
	C - High Street (W)	2	0	0	0
	D - Park Works Road	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-CD	0.81	90.69	2.9	F
B-A	0.91	91.71	6.4	F
A-B				
A-C				
A-D				
AB-CD	0.01	4.66	0.0	A
AB-C				
D-ABC	0.00	0.00	0.0	A
C-D				
C-A				
C-B				
CD-AB	0.27	5.21	0.8	A
CD-A				

Main Results for each time segment

15:45 - 16:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	83	463	0.179	82	0.2	9.418	A
B-A	187	390	0.479	183	0.9	17.125	C
A-B	97			97			
A-C	291			291			
A-D	0			0			
AB-CD	4	778	0.006	4	0.0	4.653	A
AB-C	369			369			
D-ABC	0	399	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	416			416			
C-B	65			65			
CD-AB	126	857	0.147	124	0.3	4.914	A
CD-A	355			355			

16:00 - 16:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	99	392	0.252	98	0.3	12.223	B
B-A	223	354	0.629	220	1.6	26.290	D
A-B	116			116			
A-C	348			348			
A-D	0			0			
AB-CD	6	812	0.007	6	0.0	4.462	A
AB-C	440			440			
D-ABC	0	368	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	496			496			
C-B	77			77			
CD-AB	174	897	0.194	173	0.5	4.976	A
CD-A	400			400			

16:15 - 16:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	121	197	0.616	117	1.4	43.067	E
B-A	273	302	0.904	258	5.2	67.205	F
A-B	142			142			
A-C	426			426			
A-D	0			0			
AB-CD	9	859	0.010	9	0.0	4.229	A
AB-C	534			534			
D-ABC	0	325	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	608			608			
C-B	95			95			
CD-AB	262	956	0.274	261	0.8	5.188	A
CD-A	441			441			

16:30 - 16:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	121	150	0.808	115	2.9	90.691	F
B-A	273	301	0.908	268	6.4	91.706	F
A-B	142			142			
A-C	426			426			
A-D	0			0			
AB-CD	8	858	0.010	8	0.0	4.238	A
AB-C	533			533			
D-ABC	0	324	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	608			608			
C-B	95			95			
CD-AB	263	957	0.274	262	0.8	5.211	A
CD-A	440			440			

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	99	361	0.274	109	0.4	14.818	B
B-A	223	353	0.632	241	1.9	36.441	E
A-B	116			116			
A-C	348			348			
A-D	0			0			
AB-CD	7	819	0.008	7	0.0	4.437	A
AB-C	450			450			
D-ABC	0	367	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	496			496			
C-B	77			77			
CD-AB	175	898	0.194	176	0.5	5.011	A
CD-A	399			399			

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	83	457	0.181	83	0.2	9.656	A
B-A	187	390	0.479	190	1.0	18.337	C
A-B	97			97			
A-C	291			291			
A-D	0			0			
AB-CD	4	779	0.006	4	0.0	4.655	A
AB-C	370			370			
D-ABC	0	399	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	416			416			
C-B	65			65			
CD-AB	127	858	0.148	127	0.3	4.946	A
CD-A	354			354			

2024 Base + Com Dev + Dev (Adjusted), AM (08:00-09:00)

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A25 / Mid Street / Park Works Road	Left-Right Stagger	Two-way		3.59	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)
D13	2024 Base + Com Dev + Dev (Adjusted)	AM (08:00-09:00)	ONE HOUR	07:45	09:15	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 (Veh/hr)	Scaling Factor (%)
A - High Street (E)		✓	832	100.000
B - Mid Street		✓	266	100.000
C - High Street (W)		✓	429	100.000
D - Park Works Road		✓	6	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	278	551	3
	B - Mid Street	151	0	114	1
	C - High Street (W)	328	100	0	1
	D - Park Works Road	2	3	1	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
From		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
	A - High Street (E)	0	3	4	0
	B - Mid Street	1	0	3	0
	C - High Street (W)	10	1	0	0
	D - Park Works Road	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-CD	0.38	17.76	0.6	C
B-A	0.65	40.32	1.8	E
A-B				
A-C				
A-D				
AB-CD	0.01	4.07	0.0	A
AB-C				
D-ABC	0.01	8.26	0.0	A
C-D				
C-A				
C-B				
CD-AB	0.34	7.80	0.9	A
CD-A				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	87	474	0.183	86	0.2	9.249	A
B-A	114	349	0.326	112	0.5	15.062	C
A-B	209			209			
A-C	415			415			
A-D	2			2			
AB-CD	7	892	0.008	7	0.0	4.066	A
AB-C	496			496			
D-ABC	5	495	0.009	4	0.0	7.335	A
C-D	0.75			0.75			
C-A	247			247			
C-B	75			75			
CD-AB	122	681	0.179	121	0.3	6.428	A
CD-A	204			204			

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	103	429	0.241	103	0.3	11.045	B
B-A	136	310	0.438	135	0.7	20.375	C
A-B	250			250			
A-C	495			495			
A-D	3			3			
AB-CD	10	948	0.010	10	0.0	3.831	A
AB-C	591			591			
D-ABC	5	473	0.011	5	0.0	7.690	A
C-D	0.90			0.90			
C-A	295			295			
C-B	90			90			
CD-AB	163	688	0.238	163	0.5	6.845	A
CD-A	226			226			

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	127	335	0.377	126	0.6	17.055	C
B-A	166	255	0.653	163	1.7	37.633	E
A-B	306			306			
A-C	607			607			
A-D	3			3			
AB-CD	15	1027	0.015	15	0.0	3.551	A
AB-C	720			720			
D-ABC	7	442	0.015	7	0.0	8.262	A
C-D	1			1			
C-A	361			361			
C-B	110			110			
CD-AB	237	701	0.338	235	0.9	7.714	A
CD-A	240			240			

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	127	329	0.385	127	0.6	17.765	C
B-A	166	254	0.654	166	1.8	40.321	E
A-B	306			306			
A-C	607			607			
A-D	3			3			
AB-CD	15	1028	0.015	15	0.0	3.553	A
AB-C	721			721			
D-ABC	7	442	0.015	7	0.0	8.263	A
C-D	1			1			
C-A	361			361			
C-B	110			110			
CD-AB	237	702	0.338	237	0.9	7.797	A
CD-A	239			239			

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	103	424	0.244	105	0.3	11.316	B
B-A	136	310	0.438	140	0.8	21.563	C
A-B	250			250			
A-C	495			495			
A-D	3			3			
AB-CD	10	949	0.010	10	0.0	3.840	A
AB-C	593			593			
D-ABC	5	473	0.011	5	0.0	7.693	A
C-D	0.90			0.90			
C-A	295			295			
C-B	90			90			
CD-AB	164	689	0.238	166	0.5	6.962	A
CD-A	225			225			

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	87	472	0.183	87	0.2	9.364	A
B-A	114	349	0.326	115	0.5	15.474	C
A-B	209			209			
A-C	415			415			
A-D	2			2			
AB-CD	7	893	0.008	7	0.0	4.070	A
AB-C	497			497			
D-ABC	5	495	0.009	5	0.0	7.337	A
C-D	0.75			0.75			
C-A	247			247			
C-B	75			75			
CD-AB	123	681	0.180	124	0.3	6.502	A
CD-A	203			203			

2024 Base + Com Dev + Dev (Adjusted), PM (17:00-18:00)

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A25 / Mid Street / Park Works Road	Left-Right Stagger	Two-way		7.54	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)
D14	2024 Base + Com Dev + Dev (Adjusted)	PM (17:00-18:00)	ONE HOUR	16:45	18:15	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 (Veh/hr)	Scaling Factor (%)
A - High Street (E)		✓	489	100.000
B - Mid Street		✓	318	100.000
C - High Street (W)		✓	694	100.000
D - Park Works Road		✓	0	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	120	368	1
	B - Mid Street	233	0	84	1
	C - High Street (W)	578	114	0	2
	D - Park Works Road	0	0	0	0

Vehicle Mix

Heavy Vehicle Percentages

From	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
	A - High Street (E)	0	1	3	0
	B - Mid Street	0	0	0	0
	C - High Street (W)	2	2	0	0
	D - Park Works Road	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-CD	0.46	32.07	0.8	D
B-A	0.85	68.13	4.5	F
A-B				
A-C				
A-D				
AB-CD	0.01	4.83	0.0	A
AB-C				
D-ABC	0.00	0.00	0.0	A
C-D				
C-A				
C-B				
CD-AB	0.37	5.93	1.2	A
CD-A				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	64	473	0.135	63	0.2	8.769	A
B-A	175	393	0.446	172	0.8	16.091	C
A-B	90			90			
A-C	277			277			
A-D	0.75			0.75			
AB-CD	3	748	0.004	3	0.0	4.826	A
AB-C	338			338			
D-ABC	0	393	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	435			435			
C-B	86			86			
CD-AB	172	866	0.199	171	0.4	5.174	A
CD-A	349			349			

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	76	410	0.186	76	0.2	10.759	B
B-A	209	356	0.589	207	1.3	23.856	C
A-B	108			108			
A-C	331			331			
A-D	0.90			0.90			
AB-CD	4	777	0.005	4	0.0	4.654	A
AB-C	404			404			
D-ABC	0	361	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	520			520			
C-B	102			102			
CD-AB	240	911	0.263	239	0.7	5.369	A
CD-A	382			382			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	94	235	0.398	92	0.6	24.822	C
B-A	257	303	0.846	246	3.9	55.218	F
A-B	132			132			
A-C	405			405			
A-D	1			1			
AB-CD	6	817	0.007	6	0.0	4.431	A
AB-C	493			493			
D-ABC	0	316	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	636			636			
C-B	126			126			
CD-AB	364	975	0.373	362	1.1	5.894	A
CD-A	398			398			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	94	204	0.458	93	0.8	32.067	D
B-A	257	303	0.847	254	4.5	68.131	F
A-B	132			132			
A-C	405			405			
A-D	1			1			
AB-CD	6	818	0.007	6	0.0	4.431	A
AB-C	494			494			
D-ABC	0	316	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	636			636			
C-B	126			126			
CD-AB	365	976	0.374	365	1.2	5.932	A
CD-A	396			396			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	76	391	0.196	79	0.2	11.609	B
B-A	209	356	0.589	221	1.5	28.786	D
A-B	108			108			
A-C	331			331			
A-D	0.90			0.90			
AB-CD	4	778	0.005	4	0.0	4.655	A
AB-C	407			407			
D-ABC	0	361	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	520			520			
C-B	102			102			
CD-AB	241	913	0.264	243	0.7	5.413	A
CD-A	381			381			

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	64	468	0.137	64	0.2	8.919	A
B-A	175	393	0.447	178	0.8	16.980	C
A-B	90			90			
A-C	277			277			
A-D	0.75			0.75			
AB-CD	3	749	0.004	3	0.0	4.827	A
AB-C	339			339			
D-ABC	0	392	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	435			435			
C-B	86			86			
CD-AB	174	867	0.200	175	0.4	5.217	A
CD-A	347			347			

2024 Base + Com Dev + Dev (Adjusted), PM (16:00-17:00)

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A25 / Mid Street / Park Works Road	Left-Right Stagger	Two-way		7.53	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)
D15	2024 Base + Com Dev + Dev (Adjusted)	PM (16:00-17:00)	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 (Veh/hr)	Scaling Factor (%)
A - High Street (E)		✓	492	100.000
B - Mid Street		✓	345	100.000
C - High Street (W)		✓	612	100.000
D - Park Works Road		✓	3	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	125	367	0
	B - Mid Street	240	0	102	3
	C - High Street (W)	527	82	0	3
	D - Park Works Road	1	1	1	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	2	4	0
	B - Mid Street	1	0	1	0
	C - High Street (W)	2	0	0	0
	D - Park Works Road	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-CD	0.50	30.90	1.0	D
B-A	0.84	62.72	4.3	F
A-B				
A-C				
A-D				
AB-CD	0.01	4.71	0.0	A
AB-C				
D-ABC	0.00	0.00	0.0	A
C-D				
C-A				
C-B				
CD-AB	0.25	5.13	0.7	A
CD-A				

Main Results for each time segment

15:45 - 16:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	79	473	0.167	78	0.2	9.093	A
B-A	181	399	0.453	177	0.8	16.032	C
A-B	94			94			
A-C	276			276			
A-D	0			0			
AB-CD	4	769	0.005	4	0.0	4.706	A
AB-C	350			350			
D-ABC	0	406	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	397			397			
C-B	62			62			
CD-AB	116	848	0.137	115	0.3	4.910	A
CD-A	342			342			

16:00 - 16:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	94	412	0.229	94	0.3	11.294	B
B-A	216	365	0.591	214	1.4	23.374	C
A-B	112			112			
A-C	330			330			
A-D	0			0			
AB-CD	6	801	0.007	6	0.0	4.524	A
AB-C	418			418			
D-ABC	0	377	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	474			474			
C-B	74			74			
CD-AB	159	886	0.180	159	0.4	4.954	A
CD-A	388			388			

16:15 - 16:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	116	256	0.452	114	0.8	25.015	D
B-A	264	316	0.835	255	3.8	51.785	F
A-B	138			138			
A-C	404			404			
A-D	0			0			
AB-CD	8	846	0.010	8	0.0	4.293	A
AB-C	509			509			
D-ABC	0	336	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	580			580			
C-B	90			90			
CD-AB	237	941	0.252	236	0.7	5.111	A
CD-A	434			434			

16:30 - 16:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	116	231	0.501	115	1.0	30.903	D
B-A	264	316	0.837	262	4.3	62.717	F
A-B	138			138			
A-C	404			404			
A-D	0			0			
AB-CD	8	847	0.010	8	0.0	4.296	A
AB-C	511			511			
D-ABC	0	336	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	580			580			
C-B	90			90			
CD-AB	237	942	0.252	237	0.7	5.130	A
CD-A	433			433			

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	94	395	0.239	97	0.3	12.172	B
B-A	216	365	0.591	227	1.5	27.737	D
A-B	112			112			
A-C	330			330			
A-D	0			0			
AB-CD	6	803	0.007	6	0.0	4.525	A
AB-C	421			421			
D-ABC	0	377	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	474			474			
C-B	74			74			
CD-AB	160	887	0.180	161	0.4	4.983	A
CD-A	388			388			

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	79	468	0.169	80	0.2	9.267	A
B-A	181	399	0.453	183	0.9	16.899	C
A-B	94			94			
A-C	276			276			
A-D	0			0			
AB-CD	4	770	0.005	4	0.0	4.708	A
AB-C	352			352			
D-ABC	0	406	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	397			397			
C-B	62			62			
CD-AB	117	849	0.138	117	0.3	4.937	A
CD-A	342			342			

2029 Future Base + Com Dev + Dev (Adjusted), AM (08:00-09:00)

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A25 / Mid Street / Park Works Road	Left-Right Stagger	Two-way		4.17	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)
D16	2029 Future Base + Com Dev + Dev (Adjusted)	AM (08:00-09:00)	ONE HOUR	07:45	09:15	15

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

Demand overview (Traffic)

Am	Linked arm	Use O-D data	Average Demand (Veh/hr)	Scaling Factor (%)
A - High Street (E)		✓	857	100.000
B - Mid Street		✓	274	100.000
C - High Street (W)		✓	441	100.000
D - Park Works Road		✓	6	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	287	567	3
	B - Mid Street	156	0	117	1
	C - High Street (W)	337	103	0	1
	D - Park Works Road	2	3	1	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	3	4	0
	B - Mid Street	1	0	3	0
	C - High Street (W)	10	1	0	0
	D - Park Works Road	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-CD	0.43	20.77	0.7	C
B-A	0.70	47.87	2.2	E
A-B				
A-C				
A-D				
AB-CD	0.02	4.03	0.0	A
AB-C				
D-ABC	0.02	8.36	0.0	A
C-D				
C-A				
C-B				
CD-AB	0.36	8.01	1.0	A
CD-A				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	89	468	0.190	88	0.2	9.460	A
B-A	117	344	0.342	115	0.5	15.651	C
A-B	216			216			
A-C	427			427			
A-D	2			2			
AB-CD	7	900	0.008	7	0.0	4.030	A
AB-C	510			510			
D-ABC	5	492	0.009	4	0.0	7.382	A
C-D	0.75			0.75			
C-A	254			254			
C-B	78			78			
CD-AB	128	681	0.187	126	0.4	6.483	A
CD-A	207			207			

08:00 - 08:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	106	419	0.253	106	0.3	11.488	B
B-A	140	303	0.462	139	0.8	21.723	C
A-B	258			258			
A-C	510			510			
A-D	3			3			
AB-CD	10	958	0.010	10	0.0	3.792	A
AB-C	608			608			
D-ABC	5	470	0.011	5	0.0	7.753	A
C-D	0.90			0.90			
C-A	303			303			
C-B	93			93			
CD-AB	172	689	0.249	171	0.5	6.937	A
CD-A	228			228			

08:15 - 08:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	130	312	0.416	129	0.7	19.443	C
B-A	172	246	0.699	167	2.0	43.432	E
A-B	316			316			
A-C	624			624			
A-D	3			3			
AB-CD	16	1040	0.015	16	0.0	3.510	A
AB-C	740			740			
D-ABC	7	437	0.015	7	0.0	8.356	A
C-D	1			1			
C-A	371			371			
C-B	113			113			
CD-AB	250	703	0.356	249	1.0	7.913	A
CD-A	240			240			

08:30 - 08:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	130	303	0.429	130	0.7	20.773	C
B-A	172	245	0.701	171	2.2	47.866	E
A-B	316			316			
A-C	624			624			
A-D	3			3			
AB-CD	16	1041	0.015	16	0.0	3.514	A
AB-C	741			741			
D-ABC	7	437	0.015	7	0.0	8.358	A
C-D	1			1			
C-A	371			371			
C-B	113			113			
CD-AB	251	704	0.357	251	1.0	8.008	A
CD-A	239			239			

08:45 - 09:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	106	412	0.257	108	0.4	11.879	B
B-A	140	303	0.462	145	0.9	23.448	C
A-B	258			258			
A-C	510			510			
A-D	3			3			
AB-CD	10	959	0.011	10	0.0	3.799	A
AB-C	610			610			
D-ABC	5	470	0.011	5	0.0	7.755	A
C-D	0.90			0.90			
C-A	303			303			
C-B	93			93			
CD-AB	172	690	0.250	174	0.6	7.068	A
CD-A	228			228			

09:00 - 09:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	89	465	0.191	89	0.2	9.593	A
B-A	117	343	0.342	119	0.5	16.147	C
A-B	216			216			
A-C	427			427			
A-D	2			2			
AB-CD	7	901	0.008	7	0.0	4.033	A
AB-C	511			511			
D-ABC	5	492	0.009	5	0.0	7.383	A
C-D	0.75			0.75			
C-A	254			254			
C-B	78			78			
CD-AB	128	682	0.188	129	0.4	6.567	A
CD-A	207			207			

2029 Future Base + Com Dev + Dev (Adjusted), PM (17:00-18:00)

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A25 / Mid Street / Park Works Road	Left-Right Stagger	Two-way		10.90	B

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)
D17	2029 Future Base + Com Dev + Dev (Adjusted)	PM (17:00-18:00)	ONE HOUR	16:45	18:15	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 (Veh/hr)	Scaling Factor (%)
A - High Street (E)		✓	504	100.000
B - Mid Street		✓	327	100.000
C - High Street (W)		✓	716	100.000
D - Park Works Road		✓	0	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	124	379	1
	B - Mid Street	240	0	86	1
	C - High Street (W)	596	118	0	2
	D - Park Works Road	0	0	0	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	1	3	0
	B - Mid Street	0	0	0	0
	C - High Street (W)	2	2	0	0
	D - Park Works Road	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-CD	0.71	77.42	1.9	F
B-A	0.90	90.26	6.1	F
A-B				
A-C				
A-D				
AB-CD	0.01	4.80	0.0	A
AB-C				
D-ABC	0.00	0.00	0.0	A
C-D				
C-A				
C-B				
CD-AB	0.40	6.10	1.3	A
CD-A				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	65	466	0.141	65	0.2	8.970	A
B-A	181	387	0.467	177	0.8	16.889	C
A-B	93			93			
A-C	285			285			
A-D	0.75			0.75			
AB-CD	3	752	0.004	3	0.0	4.803	A
AB-C	348			348			
D-ABC	0	388	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	449			449			
C-B	89			89			
CD-AB	183	873	0.209	181	0.5	5.198	A
CD-A	355			355			

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	78	395	0.198	78	0.2	11.351	B
B-A	216	349	0.619	213	1.5	26.022	D
A-B	111			111			
A-C	341			341			
A-D	0.90			0.90			
AB-CD	4	781	0.005	4	0.0	4.626	A
AB-C	416			416			
D-ABC	0	355	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	536			536			
C-B	106			106			
CD-AB	256	920	0.278	255	0.7	5.425	A
CD-A	386			386			

17:15 - 17:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	96	185	0.518	93	1.0	37.982	E
B-A	264	294	0.898	250	5.0	67.019	F
A-B	137			137			
A-C	417			417			
A-D	1			1			
AB-CD	6	823	0.007	6	0.0	4.402	A
AB-C	506			506			
D-ABC	0	308	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	656			656			
C-B	130			130			
CD-AB	391	987	0.397	389	1.3	6.053	A
CD-A	395			395			

17:30 - 17:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	96	135	0.710	92	1.9	77.423	F
B-A	264	293	0.900	260	6.1	90.259	F
A-B	137			137			
A-C	417			417			
A-D	1			1			
AB-CD	6	822	0.007	6	0.0	4.409	A
AB-C	505			505			
D-ABC	0	308	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	656			656			
C-B	130			130			
CD-AB	393	988	0.398	393	1.3	6.100	A
CD-A	393			393			

17:45 - 18:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	78	364	0.215	85	0.3	13.201	B
B-A	216	348	0.621	233	1.8	35.229	E
A-B	111			111			
A-C	341			341			
A-D	0.90			0.90			
AB-CD	4	786	0.005	4	0.0	4.609	A
AB-C	422			422			
D-ABC	0	354	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	536			536			
C-B	106			106			
CD-AB	257	921	0.279	259	0.7	5.479	A
CD-A	385			385			

18:00 - 18:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	65	459	0.143	66	0.2	9.161	A
B-A	181	387	0.467	184	0.9	18.027	C
A-B	93			93			
A-C	285			285			
A-D	0.75			0.75			
AB-CD	3	753	0.004	3	0.0	4.803	A
AB-C	349			349			
D-ABC	0	387	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	449			449			
C-B	89			89			
CD-AB	184	874	0.211	185	0.5	5.242	A
CD-A	353			353			

2029 Future Base + Com Dev + Dev (Adjusted), PM (16:00-17:00)

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	A25 / Mid Street / Park Works Road	Left-Right Stagger	Two-way		10.74	B

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)
D18	2029 Future Base + Com Dev + Dev (Adjusted)	PM (16:00-17:00)	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 (Veh/hr)	Scaling Factor (%)
A - High Street (E)		✓	507	100.000
B - Mid Street		✓	356	100.000
C - High Street (W)		✓	631	100.000
D - Park Works Road		✓	3	100.000

Origin-Destination Data

Demand (Veh/hr)

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	129	378	0
	B - Mid Street	248	0	105	3
	C - High Street (W)	543	85	0	3
	D - Park Works Road	1	1	1	0

Vehicle Mix

Heavy Vehicle Percentages

	To				
		A - High Street (E)	B - Mid Street	C - High Street (W)	D - Park Works Road
From	A - High Street (E)	0	2	4	0
	B - Mid Street	1	0	1	0
	C - High Street (W)	2	0	0	0
	D - Park Works Road	0	0	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (Veh)	Max LOS
B-CD	0.70	62.22	1.9	F
B-A	0.89	82.95	5.8	F
A-B				
A-C				
A-D				
AB-CD	0.01	4.68	0.0	A
AB-C				
D-ABC	0.00	0.00	0.0	A
C-D				
C-A				
C-B				
CD-AB	0.27	5.19	0.7	A
CD-A				

Main Results for each time segment

15:45 - 16:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	81	465	0.175	80	0.2	9.336	A
B-A	187	394	0.474	183	0.9	16.838	C
A-B	97			97			
A-C	285			285			
A-D	0			0			
AB-CD	4	773	0.005	4	0.0	4.679	A
AB-C	361			361			
D-ABC	0	401	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	409			409			
C-B	64			64			
CD-AB	123	854	0.144	122	0.3	4.916	A
CD-A	350			350			

16:00 - 16:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	97	397	0.245	97	0.3	11.978	B
B-A	223	359	0.622	220	1.5	25.520	D
A-B	116			116			
A-C	340			340			
A-D	0			0			
AB-CD	6	806	0.007	6	0.0	4.492	A
AB-C	431			431			
D-ABC	0	371	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	488			488			
C-B	76			76			
CD-AB	169	893	0.190	169	0.4	4.974	A
CD-A	395			395			

16:15 - 16:30

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	119	211	0.564	115	1.2	36.586	E
B-A	273	308	0.888	260	4.8	62.850	F
A-B	142			142			
A-C	416			416			
A-D	0			0			
AB-CD	8	852	0.010	8	0.0	4.260	A
AB-C	523			523			
D-ABC	0	329	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	598			598			
C-B	94			94			
CD-AB	254	951	0.267	253	0.7	5.166	A
CD-A	437			437			

16:30 - 16:45

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	119	171	0.697	116	1.9	62.224	F
B-A	273	307	0.890	269	5.8	82.948	F
A-B	142			142			
A-C	416			416			
A-D	0			0			
AB-CD	8	853	0.010	8	0.0	4.265	A
AB-C	524			524			
D-ABC	0	329	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	598			598			
C-B	94			94			
CD-AB	255	951	0.268	255	0.7	5.190	A
CD-A	437			437			

16:45 - 17:00

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	97	370	0.263	103	0.4	13.829	B
B-A	223	358	0.623	239	1.8	33.569	D
A-B	116			116			
A-C	340			340			
A-D	0			0			
AB-CD	6	811	0.008	6	0.0	4.480	A
AB-C	437			437			
D-ABC	0	371	0.000	0	0.0	0.000	A
C-D	3			3			
C-A	488			488			
C-B	76			76			
CD-AB	170	894	0.190	171	0.5	5.004	A
CD-A	395			395			

17:00 - 17:15

Stream	Total Demand (Veh/hr)	Capacity (Veh/hr)	RFC	Throughput (Veh/hr)	End queue (Veh)	Delay (s)	Unsignalised level of service
B-CD	81	459	0.177	82	0.2	9.552	A
B-A	187	394	0.474	190	0.9	17.954	C
A-B	97			97			
A-C	285			285			
A-D	0			0			
AB-CD	4	774	0.006	4	0.0	4.682	A
AB-C	362			362			
D-ABC	0	401	0.000	0	0.0	0.000	A
C-D	2			2			
C-A	409			409			
C-B	64			64			
CD-AB	124	854	0.145	124	0.3	4.947	A
CD-A	349			349			