Junctions 9

ARCADY 9 - Roundabout Module

Version: 9.0.1.4646 []

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Filename: 1486_Junction3_N52-Hoey's-InnerReliefRd.j9
Path: U:\5161486\7 Calcs\72Model
Report generation date: 04/12/2018 10:43:48

Summary of junction performance

	AM				PM			
	Queue (PCU)	Delay (s)	RFC	LOS	Queue (PCU)	Delay (s)	RFC	LOS
	2018							
Arm A	2.0	8.77	0.67	A	1.1	6.10	0.52	A
Arm B	0.4	4.90	0.29	A	0.4	4.20	0.30	A
Arm C	1.2	6.02	0.55	A	1.6	7.30	0.62	A
Arm D	0.7	6.61	0.43	A	0.8	7.25	0.44	A
	Opening Year (DO NOTHING)							
Arm A	2.2	9.41	0.69	A	1.1	6.34	0.53	A
Arm B	0.4	5.07	0.30	A	0.4	4.30	0.31	A
Arm C	1.3	6.30	0.56	A	1.8	7.79	0.64	A
Arm D	0.8	6.89	0.45	A	0.8	7.60	0.46	A
	Opening Year +5 (DO NOTHING)							
Arm A	2.9	11.68	0.75	B	1.1	6.34	0.53	A
Arm B	0.5	5.56	0.33	A	0.4	4.30	0.31	A
Arm C	1.6	7.25	0.61	A	1.8	7.79	0.64	A
Arm D	1.0	7.74	0.49	A	0.8	7.60	0.46	A
	Opening Year +15 (DO NOTHING)							
Arm A	4.8	17.81	0.84	C	1.7	8.43	0.64	A
Arm B	0.6	6.46	0.39	A	0.6	5.06	0.38	A
Arm C	2.2	9.31	0.69	A	3.5	13.52	0.78	B
Arm D	1.3	9.49	0.57	A	1.4	11.02	0.59	B
	Opening Year (DO SOMETHING)							
Arm A	2.4	9.95	0.71	A	1.3	7.01	0.57	A
Arm B	0.5	5.37	0.33	A	0.5	4.50	0.33	A
Arm C	1.6	7.21	0.61	A	1.9	8.38	0.66	A
Arm D	0.9	7.40	0.47	A	1.0	8.28	0.49	A
	Opening Year +5 (DO SOMETHING)							
Arm A	3.2	12.54	0.77	B	1.3	7.01	0.57	A
Arm B	0.6	5.91	0.37	A	0.5	4.50	0.33	A
Arm C	2.0	8.47	0.67	A	1.9	8.38	0.66	A
Arm D	1.1	8.42	0.52	A	1.0	8.28	0.49	A
	Opening Year +15 (DO SOMETHING)							
Arm A	5.4	19.79	0.85	C	2.1	9.66	0.68	A
Arm B	0.7	6.96	0.43	A	0.7	5.34	0.40	A
Arm C	2.9	11.43	0.75	B	4.0	15.29	0.81	C
Arm D	1.4	10.51	0.59	B	1.7	12.49	0.63	B

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

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

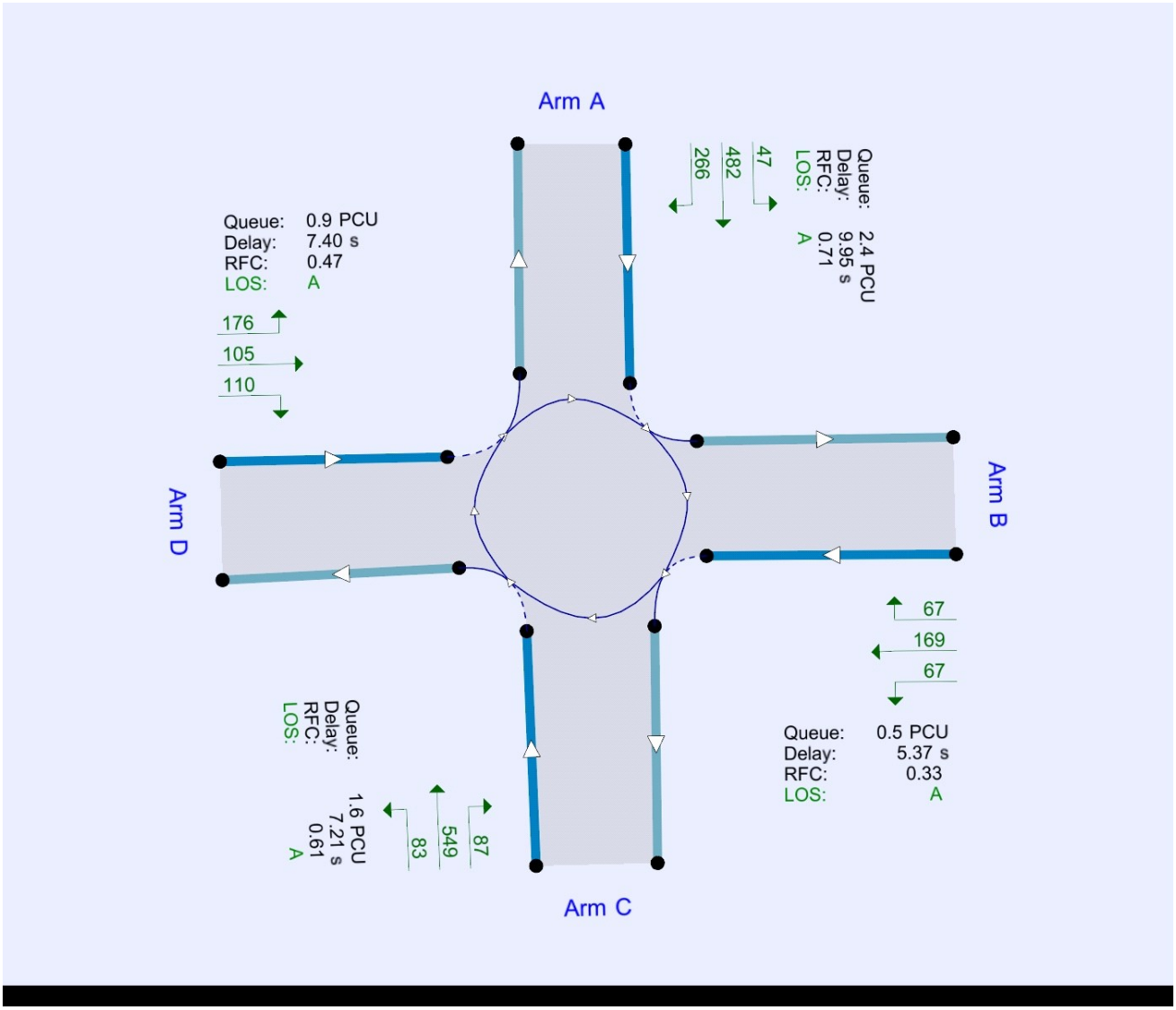
File summary

File Description

Title	Blackrock TTA
Location	Blackrock County Louth
Site number	
Date	07/09/2018
Version	
Status	Planning
Identifier	
Client	Kingsbridge Consultancy Ltd
Jobnumber	5161486
Enumerator	ATKINSMCCARTHY\MCollins
Description	

Units

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



The junction diagram reflects the last run of Junctions.

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	2018	AM	ONE HOUR	08:00	09:30	15
D2	Opening Year (DO NOTHING)	AM	ONE HOUR	08:00	09:30	15
D3	Opening Year (DO NOTHING)	PM	ONE HOUR	08:00	09:30	15
D4	Opening Year +5 (DO NOTHING)	AM	ONE HOUR	08:00	09:30	15
D5	Opening Year +5 (DO NOTHING)	PM	ONE HOUR	08:00	09:30	15
D6	Opening Year +15 (DO NOTHING)	AM	ONE HOUR	08:00	09:30	15
D7	Opening Year +15 (DO NOTHING)	PM	ONE HOUR	08:00	09:30	15
D8	Opening Year (DO SOMETHING)	AM	ONE HOUR	08:00	09:30	15
D9	Opening Year (DO SOMETHING)	PM	ONE HOUR	08:00	09:30	15
D10	Opening Year +5 (DO SOMETHING)	AM	ONE HOUR	08:00	09:30	15
D11	Opening Year +5 (DO SOMETHING)	PM	ONE HOUR	08:00	09:30	15
D12	Opening Year +15 (DO SOMETHING)	AM	ONE HOUR	08:00	09:30	15
D13	Opening Year +15 (DO SOMETHING)	PM	ONE HOUR	08:00	09:30	15
D14	2018	PM	ONE HOUR	08:00	09:30	15

Analysis Set Details

ID	Network flow scaling factor (%)
A1	100.000

2018, AM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction Type	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	7.00	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description
A	ARM	
B	ARM	
C	ARM	
D	Arm	

Roundabout Geometry

Arm	V - Approach road half-width (m)	E - Entry width (m)	l' - Effective flare length (m)	R - Entry radius (m)	D - Inscribed circle diameter (m)	PHI - Conflict (entry) angle (deg)	Exit only
A	4.40	5.80	24.0	26.9	33.2	80.0	
B	3.40	7.20	14.5	26.1	33.2	45.0	
C	4.40	11.30	8.7	27.4	33.2	80.0	
D	3.10	6.10	12.8	19.4	33.2	51.0	

Slope / Intercept / Capacity

Roundabout Slope and Intercept used in model

Arm	Final slope	Final intercept (PCU/hr)
A	0.547	1419
B	0.619	1589
C	0.588	1616
D	0.560	1350

The slope and intercept shown above include any corrections and adjustments.

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	2018	AM	ONE HOUR	08:00	09:30	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	759	100.000
B		✓	269	100.000
C		✓	652	100.000
D		✓	373	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	43	457	259
	B	57	0	65	147
	C	498	85	0	69
	D	171	99	103	0

Vehicle Mix

Heavy Vehicle Percentages

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

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
08:00-08:15	A	571	571
	B	203	203
	C	491	491
	D	281	281
08:15-08:30	A	682	682
	B	242	242
	C	586	586
	D	335	335
08:30-08:45	A	836	836
	B	296	296
	C	718	718
	D	411	411
08:45-09:00	A	836	836
	B	296	296
	C	718	718
	D	411	411
09:00-09:15	A	682	682
	B	242	242
	C	586	586
	D	335	335
09:15-09:30	A	571	571
	B	203	203
	C	491	491
	D	281	281

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
A	0.67	8.77	2.0	A
B	0.29	4.90	0.4	A
C	0.55	6.02	1.2	A
D	0.43	6.61	0.7	A

Main Results for each time segment

08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	571	215	1301	0.439	568	0.8	4.894	A
B	203	613	1209	0.167	202	0.2	3.567	A
C	491	347	1412	0.348	489	0.5	3.891	A
D	281	480	1082	0.260	279	0.3	4.481	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	682	258	1278	0.534	681	1.1	6.019	A
B	242	735	1134	0.213	242	0.3	4.032	A
C	586	416	1372	0.427	585	0.7	4.574	A
D	335	575	1028	0.326	335	0.5	5.187	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	836	315	1246	0.671	832	2.0	8.628	A
B	296	898	1033	0.287	296	0.4	4.879	A
C	718	508	1317	0.545	716	1.2	5.972	A
D	411	703	957	0.429	410	0.7	6.571	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	836	316	1246	0.671	836	2.0	8.772	A
B	296	902	1031	0.287	296	0.4	4.898	A
C	718	510	1316	0.545	718	1.2	6.016	A
D	411	705	956	0.430	411	0.7	6.605	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	682	259	1277	0.534	686	1.2	6.122	A
B	242	740	1131	0.214	242	0.3	4.053	A
C	586	418	1370	0.428	588	0.8	4.613	A
D	335	577	1027	0.326	336	0.5	5.221	A

09:15 - 09:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	571	216	1300	0.440	573	0.8	4.960	A
B	203	618	1206	0.168	203	0.2	3.589	A
C	491	349	1410	0.348	492	0.5	3.921	A
D	281	483	1080	0.260	281	0.4	4.512	A

Opening Year (DO NOTHING), AM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction Type	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	7.40	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	Opening Year (DO NOTHING)	AM	ONE HOUR	08:00	09:30	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	780	100.000
B		✓	277	100.000
C		✓	669	100.000
D		✓	384	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	44	470	266
	B	58	0	67	152
	C	512	87	0	70
	D	176	102	106	0

Vehicle Mix

Heavy Vehicle Percentages

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

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
08:00-08:15	A	587	587
	B	209	209
	C	504	504
	D	289	289
08:15-08:30	A	701	701
	B	249	249
	C	601	601
	D	345	345
08:30-08:45	A	859	859
	B	305	305
	C	737	737
	D	423	423
08:45-09:00	A	859	859
	B	305	305
	C	737	737
	D	423	423
09:00-09:15	A	701	701
	B	249	249
	C	601	601
	D	345	345
09:15-09:30	A	587	587
	B	209	209
	C	504	504
	D	289	289

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
A	0.69	9.41	2.2	A
B	0.30	5.07	0.4	A
C	0.56	6.30	1.3	A
D	0.45	6.89	0.8	A

Main Results for each time segment

08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	587	221	1298	0.453	584	0.8	5.021	A
B	209	630	1199	0.174	208	0.2	3.628	A
C	504	357	1406	0.358	501	0.6	3.969	A
D	289	492	1074	0.269	288	0.4	4.567	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	701	265	1274	0.551	700	1.2	6.253	A
B	249	755	1122	0.222	249	0.3	4.124	A
C	601	427	1365	0.441	601	0.8	4.704	A
D	345	590	1020	0.338	345	0.5	5.326	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	859	324	1241	0.692	855	2.2	9.224	A
B	305	923	1018	0.300	304	0.4	5.042	A
C	737	522	1309	0.563	735	1.3	6.249	A
D	423	722	946	0.447	422	0.8	6.848	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	859	325	1241	0.692	859	2.2	9.410	A
B	305	927	1015	0.300	305	0.4	5.067	A
C	737	524	1308	0.563	737	1.3	6.301	A
D	423	723	945	0.447	423	0.8	6.891	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	701	266	1273	0.551	705	1.2	6.383	A
B	249	761	1118	0.223	250	0.3	4.147	A
C	601	430	1363	0.441	603	0.8	4.750	A
D	345	592	1018	0.339	346	0.5	5.367	A

09:15 - 09:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	587	223	1297	0.453	589	0.8	5.098	A
B	209	636	1196	0.174	209	0.2	3.651	A
C	504	359	1405	0.359	505	0.6	4.005	A
D	289	496	1073	0.270	290	0.4	4.600	A

Opening Year (DO NOTHING), PM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction Type	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	6.76	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	Opening Year (DO NOTHING)	PM	ONE HOUR	08:00	09:30	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	584	100.000
B		✓	337	100.000
C		✓	745	100.000
D		✓	361	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	90	228	266
	B	148	0	87	102
	C	442	187	0	116
	D	203	93	65	0

Vehicle Mix

Heavy Vehicle Percentages

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

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
08:00-08:15	A	440	440
	B	254	254
	C	561	561
	D	272	272
08:15-08:30	A	525	525
	B	303	303
	C	670	670
	D	325	325
08:30-08:45	A	643	643
	B	371	371
	C	820	820
	D	397	397
08:45-09:00	A	643	643
	B	371	371
	C	820	820
	D	397	397
09:00-09:15	A	525	525
	B	303	303
	C	670	670
	D	325	325
09:15-09:30	A	440	440
	B	254	254
	C	561	561
	D	272	272

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
A	0.53	6.34	1.1	A
B	0.31	4.30	0.4	A
C	0.64	7.79	1.8	A
D	0.46	7.60	0.8	A

Main Results for each time segment

08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	440	258	1277	0.344	438	0.5	4.278	A
B	254	419	1330	0.191	253	0.2	3.339	A
C	561	387	1388	0.404	558	0.7	4.322	A
D	272	582	1024	0.265	270	0.4	4.767	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	525	310	1249	0.420	524	0.7	4.961	A
B	303	502	1279	0.237	303	0.3	3.689	A
C	670	463	1343	0.499	668	1.0	5.324	A
D	325	697	960	0.338	324	0.5	5.658	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	643	379	1211	0.531	641	1.1	6.298	A
B	371	614	1209	0.307	371	0.4	4.290	A
C	820	567	1283	0.640	817	1.7	7.687	A
D	397	853	873	0.455	396	0.8	7.536	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	643	380	1211	0.531	643	1.1	6.340	A
B	371	615	1208	0.307	371	0.4	4.300	A
C	820	568	1282	0.640	820	1.8	7.793	A
D	397	855	871	0.456	397	0.8	7.599	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	525	311	1248	0.421	527	0.7	4.999	A
B	303	504	1277	0.237	303	0.3	3.701	A
C	670	465	1342	0.499	673	1.0	5.398	A
D	325	701	957	0.339	326	0.5	5.709	A

09:15 - 09:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	440	260	1276	0.345	440	0.5	4.313	A
B	254	422	1328	0.191	254	0.2	3.351	A
C	561	389	1387	0.404	562	0.7	4.372	A
D	272	586	1022	0.266	272	0.4	4.808	A

Opening Year +5 (DO NOTHING), AM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction Type	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	8.76	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	Opening Year +5 (DO NOTHING)	AM	ONE HOUR	08:00	09:30	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	837	100.000
B		✓	296	100.000
C		✓	717	100.000
D		✓	410	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	47	505	285
	B	62	0	71	163
	C	549	93	0	75
	D	188	109	113	0

Vehicle Mix

Heavy Vehicle Percentages

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

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
08:00-08:15	A	630	630
	B	223	223
	C	540	540
	D	309	309
08:15-08:30	A	752	752
	B	266	266
	C	645	645
	D	369	369
08:30-08:45	A	922	922
	B	326	326
	C	789	789
	D	451	451
08:45-09:00	A	922	922
	B	326	326
	C	789	789
	D	451	451
09:00-09:15	A	752	752
	B	266	266
	C	645	645
	D	369	369
09:15-09:30	A	630	630
	B	223	223
	C	540	540
	D	309	309

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
A	0.75	11.68	2.9	B
B	0.33	5.56	0.5	A
C	0.61	7.25	1.6	A
D	0.49	7.74	1.0	A

Main Results for each time segment

08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	630	236	1289	0.489	626	0.9	5.400	A
B	223	676	1171	0.190	222	0.2	3.790	A
C	540	382	1391	0.388	537	0.6	4.204	A
D	309	528	1055	0.293	307	0.4	4.804	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	752	283	1264	0.595	750	1.4	6.983	A
B	266	810	1088	0.245	266	0.3	4.377	A
C	645	458	1347	0.479	643	0.9	5.109	A
D	369	632	996	0.370	368	0.6	5.722	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	922	346	1229	0.750	916	2.9	11.283	B
B	326	988	977	0.334	325	0.5	5.516	A
C	789	559	1287	0.613	787	1.6	7.157	A
D	451	773	917	0.492	450	1.0	7.675	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	922	347	1229	0.750	921	2.9	11.679	B
B	326	994	974	0.335	326	0.5	5.555	A
C	789	561	1286	0.614	789	1.6	7.248	A
D	451	775	916	0.493	451	1.0	7.744	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	752	284	1263	0.596	758	1.5	7.211	A
B	266	818	1083	0.246	267	0.3	4.413	A
C	645	461	1345	0.479	647	0.9	5.180	A
D	369	635	994	0.371	370	0.6	5.781	A

09:15 - 09:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	630	238	1288	0.489	632	1.0	5.505	A
B	223	682	1167	0.191	223	0.2	3.818	A
C	540	385	1390	0.388	541	0.6	4.249	A
D	309	531	1053	0.293	309	0.4	4.848	A

Opening Year +5 (DO NOTHING), PM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction Type	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	6.76	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	Opening Year +5 (DO NOTHING)	PM	ONE HOUR	08:00	09:30	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	584	100.000
B		✓	337	100.000
C		✓	745	100.000
D		✓	361	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	90	228	266
	B	148	0	87	102
	C	442	187	0	116
	D	203	93	65	0

Vehicle Mix

Heavy Vehicle Percentages

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

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
08:00-08:15	A	440	440
	B	254	254
	C	561	561
	D	272	272
08:15-08:30	A	525	525
	B	303	303
	C	670	670
	D	325	325
08:30-08:45	A	643	643
	B	371	371
	C	820	820
	D	397	397
08:45-09:00	A	643	643
	B	371	371
	C	820	820
	D	397	397
09:00-09:15	A	525	525
	B	303	303
	C	670	670
	D	325	325
09:15-09:30	A	440	440
	B	254	254
	C	561	561
	D	272	272

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
A	0.53	6.34	1.1	A
B	0.31	4.30	0.4	A
C	0.64	7.79	1.8	A
D	0.46	7.60	0.8	A

Main Results for each time segment

08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	440	258	1277	0.344	438	0.5	4.278	A
B	254	419	1330	0.191	253	0.2	3.339	A
C	561	387	1388	0.404	558	0.7	4.322	A
D	272	582	1024	0.265	270	0.4	4.767	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	525	310	1249	0.420	524	0.7	4.961	A
B	303	502	1279	0.237	303	0.3	3.689	A
C	670	463	1343	0.499	668	1.0	5.324	A
D	325	697	960	0.338	324	0.5	5.658	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	643	379	1211	0.531	641	1.1	6.298	A
B	371	614	1209	0.307	371	0.4	4.290	A
C	820	567	1283	0.640	817	1.7	7.687	A
D	397	853	873	0.455	396	0.8	7.536	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	643	380	1211	0.531	643	1.1	6.340	A
B	371	615	1208	0.307	371	0.4	4.300	A
C	820	568	1282	0.640	820	1.8	7.793	A
D	397	855	871	0.456	397	0.8	7.599	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	525	311	1248	0.421	527	0.7	4.999	A
B	303	504	1277	0.237	303	0.3	3.701	A
C	670	465	1342	0.499	673	1.0	5.398	A
D	325	701	957	0.339	326	0.5	5.709	A

09:15 - 09:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	440	260	1276	0.345	440	0.5	4.313	A
B	254	422	1328	0.191	254	0.2	3.351	A
C	561	389	1387	0.404	562	0.7	4.372	A
D	272	586	1022	0.266	272	0.4	4.808	A

Opening Year +15 (DO NOTHING), AM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction Type	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	12.11	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)
D6	Opening Year +15 (DO NOTHING)	AM	ONE HOUR	08:00	09:30	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	919	100.000
B		✓	325	100.000
C		✓	789	100.000
D		✓	448	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	52	556	311
	B	68	0	78	179
	C	604	103	0	82
	D	206	119	123	0

Vehicle Mix

Heavy Vehicle Percentages

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

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
08:00-08:15	A	692	692
	B	245	245
	C	594	594
	D	337	337
08:15-08:30	A	826	826
	B	292	292
	C	709	709
	D	403	403
08:30-08:45	A	1012	1012
	B	358	358
	C	869	869
	D	493	493
08:45-09:00	A	1012	1012
	B	358	358
	C	869	869
	D	493	493
09:00-09:15	A	826	826
	B	292	292
	C	709	709
	D	403	403
09:15-09:30	A	692	692
	B	245	245
	C	594	594
	D	337	337

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
A	0.84	17.81	4.8	C
B	0.39	6.46	0.6	A
C	0.69	9.31	2.2	A
D	0.57	9.49	1.3	A

Main Results for each time segment

08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	692	258	1277	0.542	687	1.2	6.056	A
B	245	740	1131	0.216	244	0.3	4.052	A
C	594	418	1370	0.433	591	0.8	4.602	A
D	337	581	1025	0.329	335	0.5	5.204	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	826	309	1249	0.661	823	1.9	8.391	A
B	292	887	1040	0.281	292	0.4	4.807	A
C	709	500	1322	0.537	708	1.1	5.849	A
D	403	695	961	0.419	402	0.7	6.429	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	1012	378	1212	0.835	1001	4.6	16.325	C
B	358	1079	921	0.389	357	0.6	6.372	A
C	869	610	1257	0.691	865	2.2	9.074	A
D	493	849	874	0.564	491	1.3	9.335	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	1012	380	1211	0.836	1011	4.8	17.805	C
B	358	1089	915	0.391	358	0.6	6.461	A
C	869	614	1255	0.692	869	2.2	9.306	A
D	493	853	872	0.565	493	1.3	9.488	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	826	312	1248	0.662	837	2.0	8.995	A
B	292	901	1031	0.283	293	0.4	4.884	A
C	709	506	1318	0.538	713	1.2	5.990	A
D	403	701	958	0.420	405	0.7	6.535	A

09:15 - 09:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	692	260	1276	0.542	695	1.2	6.233	A
B	245	749	1126	0.217	245	0.3	4.092	A
C	594	422	1368	0.434	596	0.8	4.670	A
D	337	585	1023	0.330	338	0.5	5.269	A

Opening Year +15 (DO NOTHING), PM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction Type	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	10.21	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)
D7	Opening Year +15 (DO NOTHING)	PM	ONE HOUR	08:00	09:30	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	681	100.000
B		✓	394	100.000
C		✓	874	100.000
D		✓	421	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	105	267	309
	B	172	0	102	120
	C	519	218	0	137
	D	237	109	75	0

Vehicle Mix

Heavy Vehicle Percentages

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

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
08:00-08:15	A	513	513
	B	297	297
	C	658	658
	D	317	317
08:15-08:30	A	612	612
	B	354	354
	C	786	786
	D	378	378
08:30-08:45	A	750	750
	B	434	434
	C	962	962
	D	464	464
08:45-09:00	A	750	750
	B	434	434
	C	962	962
	D	464	464
09:00-09:15	A	612	612
	B	354	354
	C	786	786
	D	378	378
09:15-09:30	A	513	513
	B	297	297
	C	658	658
	D	317	317

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
A	0.64	8.43	1.7	A
B	0.38	5.06	0.6	A
C	0.78	13.52	3.5	B
D	0.59	11.02	1.4	B

Main Results for each time segment

08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	513	301	1254	0.409	510	0.7	4.822	A
B	297	487	1287	0.230	295	0.3	3.624	A
C	658	450	1351	0.487	654	0.9	5.138	A
D	317	681	969	0.327	315	0.5	5.490	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	612	360	1221	0.501	611	1.0	5.886	A
B	354	584	1228	0.289	354	0.4	4.118	A
C	786	539	1299	0.605	783	1.5	6.955	A
D	378	815	894	0.423	377	0.7	6.961	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	750	440	1178	0.637	747	1.7	8.295	A
B	434	714	1147	0.378	433	0.6	5.036	A
C	962	660	1228	0.784	955	3.4	12.825	B
D	464	994	793	0.584	461	1.4	10.744	B

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	750	442	1176	0.637	750	1.7	8.431	A
B	434	717	1145	0.379	434	0.6	5.058	A
C	962	662	1227	0.784	962	3.5	13.521	B
D	464	1000	790	0.587	463	1.4	11.016	B

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	612	364	1219	0.502	615	1.0	5.989	A
B	354	588	1225	0.289	355	0.4	4.142	A
C	786	542	1297	0.606	794	1.6	7.253	A
D	378	824	889	0.426	381	0.8	7.126	A

09:15 - 09:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	513	304	1252	0.409	514	0.7	4.885	A
B	297	491	1285	0.231	297	0.3	3.644	A
C	658	453	1349	0.488	660	1.0	5.245	A
D	317	687	966	0.328	318	0.5	5.566	A

Opening Year (DO SOMETHING), AM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction Type	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	7.97	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	Opening Year (DO SOMETHING)	AM	ONE HOUR	08:00	09:30	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	795	100.000
B		✓	303	100.000
C		✓	719	100.000
D		✓	391	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	47	482	266
	B	67	0	67	169
	C	549	87	0	83
	D	176	105	110	0

Vehicle Mix

Heavy Vehicle Percentages

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

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
08:00-08:15	A	599	599
	B	228	228
	C	541	541
	D	294	294
08:15-08:30	A	715	715
	B	272	272
	C	646	646
	D	352	352
08:30-08:45	A	875	875
	B	334	334
	C	792	792
	D	430	430
08:45-09:00	A	875	875
	B	334	334
	C	792	792
	D	430	430
09:00-09:15	A	715	715
	B	272	272
	C	646	646
	D	352	352
09:15-09:30	A	599	599
	B	228	228
	C	541	541
	D	294	294

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
A	0.71	9.95	2.4	A
B	0.33	5.37	0.5	A
C	0.61	7.21	1.6	A
D	0.47	7.40	0.9	A

Main Results for each time segment

08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	599	226	1295	0.462	595	0.9	5.121	A
B	228	642	1191	0.191	227	0.2	3.730	A
C	541	376	1395	0.388	539	0.6	4.194	A
D	294	527	1055	0.279	293	0.4	4.712	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	715	271	1270	0.563	713	1.3	6.441	A
B	272	770	1113	0.245	272	0.3	4.280	A
C	646	450	1351	0.478	645	0.9	5.092	A
D	352	631	997	0.353	351	0.5	5.568	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	875	331	1237	0.708	871	2.3	9.719	A
B	334	940	1007	0.331	333	0.5	5.334	A
C	792	551	1292	0.613	789	1.6	7.119	A
D	430	772	918	0.469	429	0.9	7.344	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	875	332	1237	0.708	875	2.4	9.946	A
B	334	945	1004	0.332	334	0.5	5.366	A
C	792	553	1291	0.613	792	1.6	7.205	A
D	430	774	917	0.470	430	0.9	7.402	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	715	273	1269	0.563	719	1.3	6.591	A
B	272	776	1109	0.246	273	0.3	4.311	A
C	646	453	1349	0.479	649	0.9	5.157	A
D	352	634	995	0.353	353	0.6	5.617	A

09:15 - 09:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	599	228	1294	0.463	600	0.9	5.205	A
B	228	648	1188	0.192	228	0.2	3.751	A
C	541	379	1393	0.389	542	0.6	4.237	A
D	294	530	1053	0.280	295	0.4	4.751	A

Opening Year (DO SOMETHING), PM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction Type	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	7.32	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D9	Opening Year (DO SOMETHING)	PM	ONE HOUR	08:00	09:30	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	621	100.000
B		✓	350	100.000
C		✓	767	100.000
D		✓	384	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	104	251	266
	B	155	0	87	108
	C	457	187	0	123
	D	203	106	75	0

Vehicle Mix

Heavy Vehicle Percentages

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

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
08:00-08:15	A	468	468
	B	263	263
	C	577	577
	D	289	289
08:15-08:30	A	558	558
	B	315	315
	C	690	690
	D	345	345
08:30-08:45	A	684	684
	B	385	385
	C	844	844
	D	423	423
08:45-09:00	A	684	684
	B	385	385
	C	844	844
	D	423	423
09:00-09:15	A	558	558
	B	315	315
	C	690	690
	D	345	345
09:15-09:30	A	468	468
	B	263	263
	C	577	577
	D	289	289

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
A	0.57	7.01	1.3	A
B	0.33	4.50	0.5	A
C	0.66	8.38	1.9	A
D	0.49	8.28	1.0	A

Main Results for each time segment

08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	468	276	1268	0.369	465	0.6	4.473	A
B	263	443	1315	0.200	263	0.2	3.418	A
C	577	397	1383	0.418	575	0.7	4.440	A
D	289	599	1015	0.285	288	0.4	4.938	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	558	330	1238	0.451	557	0.8	5.282	A
B	315	531	1260	0.250	314	0.3	3.806	A
C	690	475	1337	0.516	688	1.1	5.540	A
D	345	717	949	0.364	345	0.6	5.953	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	684	404	1198	0.571	682	1.3	6.952	A
B	385	650	1187	0.325	385	0.5	4.486	A
C	844	581	1274	0.663	841	1.9	8.244	A
D	423	877	859	0.492	421	1.0	8.189	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	684	405	1197	0.571	684	1.3	7.015	A
B	385	652	1186	0.325	385	0.5	4.497	A
C	844	582	1273	0.663	844	1.9	8.384	A
D	423	880	858	0.493	423	1.0	8.278	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	558	332	1237	0.451	560	0.8	5.336	A
B	315	534	1258	0.250	315	0.3	3.820	A
C	690	477	1336	0.516	693	1.1	5.631	A
D	345	721	946	0.365	347	0.6	6.020	A

09:15 - 09:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	468	278	1267	0.369	468	0.6	4.516	A
B	263	447	1313	0.201	264	0.3	3.432	A
C	577	399	1381	0.418	579	0.7	4.495	A
D	289	603	1013	0.286	290	0.4	4.987	A

Opening Year +5 (DO SOMETHING), AM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction Type	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	9.58	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	Opening Year +5 (DO SOMETHING)	AM	ONE HOUR	08:00	09:30	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	852	100.000
B		✓	322	100.000
C		✓	767	100.000
D		✓	418	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	51	516	285
	B	71	0	71	180
	C	586	93	0	88
	D	188	113	117	0

Vehicle Mix

Heavy Vehicle Percentages

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

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
08:00-08:15	A	641	641
	B	242	242
	C	577	577
	D	315	315
08:15-08:30	A	766	766
	B	289	289
	C	690	690
	D	376	376
08:30-08:45	A	938	938
	B	355	355
	C	844	844
	D	460	460
08:45-09:00	A	938	938
	B	355	355
	C	844	844
	D	460	460
09:00-09:15	A	766	766
	B	289	289
	C	690	690
	D	376	376
09:15-09:30	A	641	641
	B	242	242
	C	577	577
	D	315	315

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
A	0.77	12.54	3.2	B
B	0.37	5.91	0.6	A
C	0.67	8.47	2.0	A
D	0.52	8.42	1.1	A

Main Results for each time segment

08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	641	242	1286	0.499	637	1.0	5.517	A
B	242	687	1164	0.208	241	0.3	3.899	A
C	577	401	1380	0.418	575	0.7	4.456	A
D	315	562	1036	0.304	313	0.4	4.970	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	766	290	1260	0.608	764	1.5	7.223	A
B	289	823	1080	0.268	289	0.4	4.552	A
C	690	481	1333	0.517	688	1.1	5.568	A
D	376	673	973	0.386	375	0.6	6.009	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	938	354	1225	0.766	932	3.1	12.032	B
B	355	1004	967	0.366	354	0.6	5.857	A
C	844	587	1271	0.665	841	1.9	8.313	A
D	460	822	890	0.517	459	1.1	8.319	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	938	356	1224	0.766	938	3.2	12.535	B
B	355	1010	964	0.368	355	0.6	5.909	A
C	844	590	1269	0.665	844	2.0	8.471	A
D	460	826	888	0.518	460	1.1	8.415	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	766	292	1259	0.608	772	1.6	7.495	A
B	289	832	1074	0.269	290	0.4	4.596	A
C	690	485	1331	0.518	693	1.1	5.675	A
D	376	678	971	0.387	377	0.6	6.086	A

09:15 - 09:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	641	244	1285	0.499	644	1.0	5.634	A
B	242	694	1160	0.209	243	0.3	3.929	A
C	577	405	1378	0.419	579	0.7	4.514	A
D	315	566	1033	0.305	315	0.4	5.022	A

Opening Year +5 (DO SOMETHING), PM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction Type	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	7.32	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D11	Opening Year +5 (DO SOMETHING)	PM	ONE HOUR	08:00	09:30	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	621	100.000
B		✓	350	100.000
C		✓	767	100.000
D		✓	384	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	104	251	266
	B	155	0	87	108
	C	457	187	0	123
	D	203	106	75	0

Vehicle Mix

Heavy Vehicle Percentages

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

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
08:00-08:15	A	468	468
	B	263	263
	C	577	577
	D	289	289
08:15-08:30	A	558	558
	B	315	315
	C	690	690
	D	345	345
08:30-08:45	A	684	684
	B	385	385
	C	844	844
	D	423	423
08:45-09:00	A	684	684
	B	385	385
	C	844	844
	D	423	423
09:00-09:15	A	558	558
	B	315	315
	C	690	690
	D	345	345
09:15-09:30	A	468	468
	B	263	263
	C	577	577
	D	289	289

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
A	0.57	7.01	1.3	A
B	0.33	4.50	0.5	A
C	0.66	8.38	1.9	A
D	0.49	8.28	1.0	A

Main Results for each time segment

08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	468	276	1268	0.369	465	0.6	4.473	A
B	263	443	1315	0.200	263	0.2	3.418	A
C	577	397	1383	0.418	575	0.7	4.440	A
D	289	599	1015	0.285	288	0.4	4.938	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	558	330	1238	0.451	557	0.8	5.282	A
B	315	531	1260	0.250	314	0.3	3.806	A
C	690	475	1337	0.516	688	1.1	5.540	A
D	345	717	949	0.364	345	0.6	5.953	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	684	404	1198	0.571	682	1.3	6.952	A
B	385	650	1187	0.325	385	0.5	4.486	A
C	844	581	1274	0.663	841	1.9	8.244	A
D	423	877	859	0.492	421	1.0	8.189	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	684	405	1197	0.571	684	1.3	7.015	A
B	385	652	1186	0.325	385	0.5	4.497	A
C	844	582	1273	0.663	844	1.9	8.384	A
D	423	880	858	0.493	423	1.0	8.278	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	558	332	1237	0.451	560	0.8	5.336	A
B	315	534	1258	0.250	315	0.3	3.820	A
C	690	477	1336	0.516	693	1.1	5.631	A
D	345	721	946	0.365	347	0.6	6.020	A

09:15 - 09:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	468	278	1267	0.369	468	0.6	4.516	A
B	263	447	1313	0.201	264	0.3	3.432	A
C	577	399	1381	0.418	579	0.7	4.495	A
D	289	603	1013	0.286	290	0.4	4.987	A

Opening Year +15 (DO SOMETHING), AM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction Type	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	13.69	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	Opening Year +15 (DO SOMETHING)	AM	ONE HOUR	08:00	09:30	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	934	100.000
B		✓	352	100.000
C		✓	839	100.000
D		✓	456	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	56	567	311
	B	77	0	78	197
	C	641	103	0	95
	D	206	123	127	0

Vehicle Mix

Heavy Vehicle Percentages

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

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
08:00-08:15	A	703	703
	B	265	265
	C	632	632
	D	343	343
08:15-08:30	A	840	840
	B	316	316
	C	754	754
	D	410	410
08:30-08:45	A	1028	1028
	B	388	388
	C	924	924
	D	502	502
08:45-09:00	A	1028	1028
	B	388	388
	C	924	924
	D	502	502
09:00-09:15	A	840	840
	B	316	316
	C	754	754
	D	410	410
09:15-09:30	A	703	703
	B	265	265
	C	632	632
	D	343	343

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
A	0.85	19.79	5.4	C
B	0.43	6.96	0.7	A
C	0.75	11.43	2.9	B
D	0.59	10.51	1.4	B

Main Results for each time segment

08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	703	264	1274	0.552	698	1.2	6.202	A
B	265	751	1124	0.236	264	0.3	4.179	A
C	632	438	1358	0.465	628	0.9	4.908	A
D	343	615	1006	0.341	341	0.5	5.400	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	840	317	1245	0.674	836	2.0	8.735	A
B	316	900	1032	0.307	316	0.4	5.025	A
C	754	524	1308	0.577	752	1.3	6.462	A
D	410	736	938	0.437	409	0.8	6.794	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	1028	387	1207	0.852	1016	5.1	17.796	C
B	388	1094	912	0.425	386	0.7	6.837	A
C	924	639	1240	0.745	918	2.8	10.979	B
D	502	899	847	0.593	499	1.4	10.282	B

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	1028	389	1206	0.853	1027	5.4	19.793	C
B	388	1105	905	0.428	388	0.7	6.958	A
C	924	644	1238	0.746	923	2.9	11.433	B
D	502	904	844	0.595	502	1.4	10.513	B

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	840	319	1244	0.675	853	2.1	9.497	A
B	316	916	1022	0.310	318	0.5	5.122	A
C	754	531	1304	0.579	760	1.4	6.693	A
D	410	744	934	0.439	413	0.8	6.939	A

09:15 - 09:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	703	267	1273	0.553	707	1.3	6.402	A
B	265	760	1118	0.237	266	0.3	4.223	A
C	632	442	1356	0.466	634	0.9	4.998	A
D	343	620	1003	0.342	344	0.5	5.474	A

Opening Year +15 (DO SOMETHING), PM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction Type	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	11.50	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)
D13	Opening Year +15 (DO SOMETHING)	PM	ONE HOUR	08:00	09:30	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	718	100.000
B		✓	407	100.000
C		✓	895	100.000
D		✓	444	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	119	290	309
	B	179	0	102	126
	C	534	218	0	143
	D	237	121	86	0

Vehicle Mix

Heavy Vehicle Percentages

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

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
08:00-08:15	A	541	541
	B	306	306
	C	674	674
	D	334	334
08:15-08:30	A	645	645
	B	366	366
	C	805	805
	D	399	399
08:30-08:45	A	791	791
	B	448	448
	C	985	985
	D	489	489
08:45-09:00	A	791	791
	B	448	448
	C	985	985
	D	489	489
09:00-09:15	A	645	645
	B	366	366
	C	805	805
	D	399	399
09:15-09:30	A	541	541
	B	306	306
	C	674	674
	D	334	334

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
A	0.68	9.66	2.1	A
B	0.40	5.34	0.7	A
C	0.81	15.29	4.0	C
D	0.63	12.49	1.7	B

Main Results for each time segment

08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	541	318	1245	0.434	538	0.8	5.071	A
B	306	513	1272	0.241	305	0.3	3.719	A
C	674	460	1345	0.501	670	1.0	5.298	A
D	334	697	960	0.348	332	0.5	5.715	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	645	381	1210	0.533	644	1.1	6.343	A
B	366	614	1209	0.303	365	0.4	4.267	A
C	805	551	1292	0.623	802	1.6	7.310	A
D	399	835	883	0.452	398	0.8	7.408	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	791	464	1164	0.679	787	2.0	9.440	A
B	448	750	1125	0.399	447	0.7	5.309	A
C	985	674	1220	0.808	976	3.9	14.278	B
D	489	1017	781	0.626	486	1.6	12.072	B

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	791	468	1163	0.680	790	2.1	9.662	A
B	448	754	1122	0.399	448	0.7	5.339	A
C	985	676	1219	0.809	985	4.0	15.292	C
D	489	1025	776	0.630	489	1.7	12.493	B

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	645	386	1207	0.535	649	1.2	6.492	A
B	366	620	1206	0.303	367	0.4	4.295	A
C	805	554	1290	0.624	814	1.7	7.705	A
D	399	845	877	0.455	402	0.8	7.638	A

09:15 - 09:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	541	321	1243	0.435	542	0.8	5.148	A
B	306	517	1269	0.241	307	0.3	3.742	A
C	674	463	1343	0.502	677	1.0	5.418	A
D	334	703	956	0.350	335	0.5	5.812	A

2018, PM

Data Errors and Warnings

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

Junction Network

Junctions

Junction	Name	Junction Type	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout	6.43	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	2018	PM	ONE HOUR	08:00	09:30	15

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

Demand overview (Traffic)

Arm	Linked arm	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A		✓	569	100.000
B		✓	328	100.000
C		✓	725	100.000
D		✓	352	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		A	B	C	D
From	A	0	88	222	259
	B	144	0	85	99
	C	430	182	0	113
	D	198	91	63	0

Vehicle Mix

Heavy Vehicle Percentages

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

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
08:00-08:15	A	428	428
	B	247	247
	C	546	546
	D	265	265
08:15-08:30	A	512	512
	B	295	295
	C	652	652
	D	316	316
08:30-08:45	A	626	626
	B	361	361
	C	798	798
	D	388	388
08:45-09:00	A	626	626
	B	361	361
	C	798	798
	D	388	388
09:00-09:15	A	512	512
	B	295	295
	C	652	652
	D	316	316
09:15-09:30	A	428	428
	B	247	247
	C	546	546
	D	265	265

Results

Results Summary for whole modelled period

Arm	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
A	0.52	6.10	1.1	A
B	0.30	4.20	0.4	A
C	0.62	7.30	1.6	A
D	0.44	7.25	0.8	A

Main Results for each time segment

08:00 - 08:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	428	252	1281	0.334	426	0.5	4.204	A
B	247	408	1337	0.185	246	0.2	3.297	A
C	546	376	1395	0.391	543	0.6	4.216	A
D	265	567	1033	0.257	264	0.3	4.671	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	512	302	1254	0.408	511	0.7	4.841	A
B	295	488	1287	0.229	295	0.3	3.628	A
C	652	451	1351	0.482	651	0.9	5.132	A
D	316	679	970	0.326	316	0.5	5.497	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	626	369	1217	0.515	625	1.0	6.069	A
B	361	598	1219	0.296	361	0.4	4.191	A
C	798	552	1292	0.618	796	1.6	7.219	A
D	388	830	885	0.438	386	0.8	7.199	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	626	370	1216	0.515	626	1.1	6.104	A
B	361	599	1218	0.296	361	0.4	4.199	A
C	798	553	1291	0.618	798	1.6	7.302	A
D	388	832	884	0.438	388	0.8	7.249	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	512	303	1253	0.408	513	0.7	4.876	A
B	295	490	1286	0.229	295	0.3	3.636	A
C	652	452	1350	0.483	654	0.9	5.196	A
D	316	682	968	0.327	318	0.5	5.544	A

09:15 - 09:30

Arm	Total Demand (PCU/hr)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
A	428	254	1280	0.335	429	0.5	4.237	A
B	247	410	1335	0.185	247	0.2	3.311	A
C	546	378	1393	0.392	547	0.6	4.261	A
D	265	570	1031	0.257	266	0.3	4.707	A

Junctions 9

PICADY 9 - Priority Intersection Module

Version: 9.0.1.4646 []

For sales and distribution information, program advice and maintenance, contact TRL:
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Filename: 1486_Junction4_N52-FinnabarCresent.j9
Path: U:\5161486\7 Calcs\72Model
Report generation date: 04/12/2018 11:53:34

Summary of junction performance

	AM				PM			
	Queue (PCU)	Delay (s)	RFC	LOS	Queue (PCU)	Delay (s)	RFC	LOS
	2018							
Stream B-C	0.3	9.37	0.23	A	0.3	9.10	0.22	A
Stream B-A	0.1	18.03	0.10	C	0.5	17.67	0.34	C
Stream C-AB	0.5	9.82	0.31	A	0.2	7.12	0.20	A
	Opening Year (DO NOTHING)							
Stream B-C	0.3	9.56	0.24	A	0.3	9.28	0.22	A
Stream B-A	0.1	19.03	0.10	C	0.5	18.58	0.36	C
Stream C-AB	0.5	10.11	0.32	B	0.3	7.21	0.20	A
	Opening Year, +5 (DO NOTHING)							
Stream B-C	0.3	9.65	0.24	A	0.3	9.37	0.22	A
Stream B-A	0.1	19.03	0.10	C	0.5	18.58	0.36	C
Stream C-AB	0.5	10.11	0.32	B	0.3	7.21	0.20	A
	Opening Year, +15 (DO NOTHING)							
Stream B-C	0.5	11.32	0.30	B	0.4	10.93	0.28	B
Stream B-A	0.2	28.12	0.16	D	0.9	27.16	0.48	D
Stream C-AB	0.7	12.31	0.40	B	0.3	7.86	0.25	A
	Opening Year, (DO SOMETHING)							
Stream B-C	0.6	12.00	0.35	B	0.4	10.16	0.26	B
Stream B-A	0.6	27.09	0.38	D	0.9	25.46	0.49	D
Stream C-AB	0.6	10.85	0.36	B	0.4	8.33	0.30	A
	Opening Year, +5 (DO SOMETHING)							
Stream B-C	0.6	12.00	0.35	B	0.4	10.25	0.26	B
Stream B-A	0.6	27.09	0.38	D	0.9	25.46	0.49	D
Stream C-AB	0.6	10.85	0.36	B	0.4	8.33	0.30	A
	Opening Year, +15 (DO SOMETHING)							
Stream B-C	0.8	15.73	0.44	C	0.5	12.43	0.33	B
Stream B-A	1.1	51.21	0.54	F	1.8	45.07	0.66	E
Stream C-AB	0.8	13.57	0.45	B	0.5	9.22	0.34	A

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

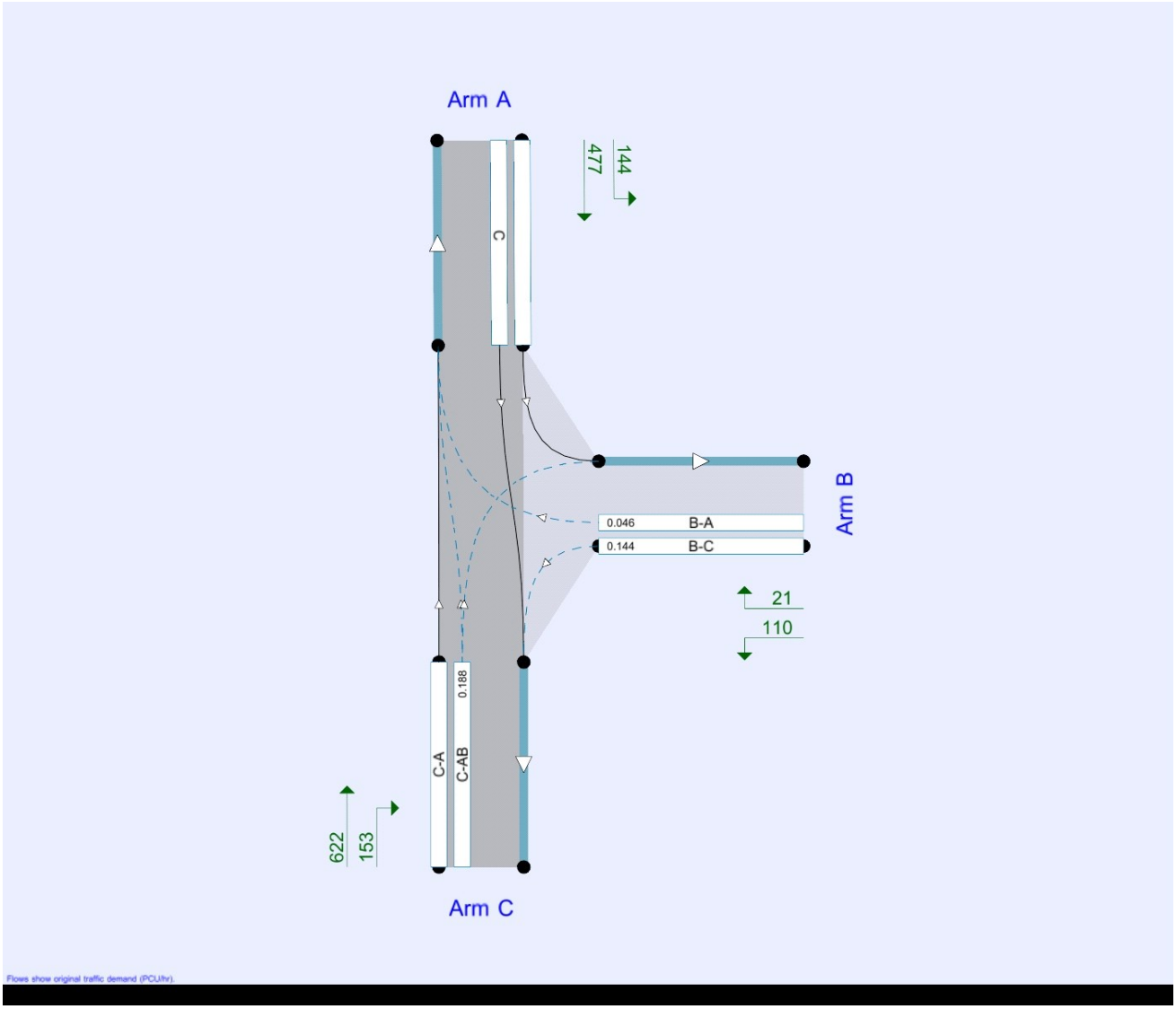
File summary

File Description

Title	Blackrock TTA
Location	Blackrock County Louth
Site number	
Date	22/08/2018
Version	
Status	Planning
Identifier	
Client	Kingsbridge Consultancy Ltd
Jobnumber	5161486
Enumerator	ATKINSMCCARTHY\MCollins
Description	

Units

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



The junction diagram reflects the last run of Junctions.

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	2018	AM	ONE HOUR	07:45	09:15	15
D2	2018	PM	ONE HOUR	16:45	18:15	15
D3	Opening Year (DO NOTHING)	AM	ONE HOUR	07:45	09:15	15
D4	Opening Year (DO NOTHING)	PM	ONE HOUR	16:45	18:15	15
D5	Opening Year, +5 (DO NOTHING)	AM	ONE HOUR	07:45	09:15	15
D6	Opening Year, +5 (DO NOTHING)	PM	ONE HOUR	16:45	18:15	15
D7	Opening Year, +15 (DO NOTHING)	AM	ONE HOUR	07:45	09:15	15
D8	Opening Year, +15 (DO NOTHING)	PM	ONE HOUR	16:45	18:15	15
D9	Opening Year, (DO SOMETHING)	AM	ONE HOUR	07:45	09:15	15
D10	Opening Year, (DO SOMETHING)	PM	ONE HOUR	16:45	18:15	15
D11	Opening Year, +5 (DO SOMETHING)	AM	ONE HOUR	07:45	09:15	15
D12	Opening Year, +5 (DO SOMETHING)	PM	ONE HOUR	16:45	18:15	15
D13	Opening Year, +15 (DO SOMETHING)	AM	ONE HOUR	07:45	09:15	15
D14	Opening Year, +15 (DO SOMETHING)	PM	ONE HOUR	16:45	18:15	15

Analysis Set Details

ID	Network flow scaling factor (%)
A1	100.000

2018, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
4	untitled	T-Junction	Two-way	1.91	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	N52 (Northern Arm)		Major
B	Finnabar Cresent		Minor
C	N52 (Southern Arm)		Major

Major Arm Geometry

Arm	Width of carriageway (m)	Has kerbed central reserve	Has right turn bay	Width for right turn (m)	Visibility for right turn (m)	Blocks?	Blocking queue (PCU)
C	6.00		✓	2.60	246.0	✓	12.00

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 (Left) (m)	Lane Width (Right) (m)	Visibility to left (m)	Visibility to right (m)
B	Two lanes	3.40	3.25	125	65

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
4	B-A	565	0.103	0.260	0.164	0.372
4	B-C	691	0.106	0.268	-	-
4	C-B	748	0.290	0.290	-	-

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	2018	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	621	100.000
B		✓	131	100.000
C		✓	775	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	144	477
	B	21	0	110
	C	622	153	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	2	8
	B	7	0	4
	C	7	4	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	468	468
	B	99	99
	C	583	583
08:00-08:15	A	558	558
	B	118	118
	C	697	697
08:15-08:30	A	684	684
	B	144	144
	C	853	853
08:30-08:45	A	684	684
	B	144	144
	C	853	853
08:45-09:00	A	558	558
	B	118	118
	C	697	697
09:00-09:15	A	468	468
	B	99	99
	C	583	583

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.23	9.37	0.3	A
B-A	0.10	18.03	0.1	C
C-AB	0.31	9.82	0.5	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	83	577	0.144	82	0.2	7.554	A
B-A	16	341	0.046	16	0.1	11.831	B
C-AB	115	612	0.188	114	0.2	7.505	A
C-A	468			468			
A-B	108			108			
A-C	359			359			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	99	554	0.179	99	0.2	8.222	A
B-A	19	297	0.064	19	0.1	13.833	B
C-AB	138	586	0.235	137	0.3	8.338	A
C-A	559			559			
A-B	129			129			
A-C	429			429			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	121	521	0.233	121	0.3	9.350	A
B-A	23	237	0.098	23	0.1	17.987	C
C-AB	168	550	0.307	168	0.5	9.794	A
C-A	685			685			
A-B	159			159			
A-C	525			525			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	121	521	0.233	121	0.3	9.369	A
B-A	23	237	0.098	23	0.1	18.033	C
C-AB	168	550	0.307	168	0.5	9.823	A
C-A	685			685			
A-B	159			159			
A-C	525			525			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	99	554	0.179	99	0.2	8.245	A
B-A	19	297	0.064	19	0.1	13.876	B
C-AB	138	586	0.235	138	0.3	8.371	A
C-A	559			559			
A-B	129			129			
A-C	429			429			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	83	577	0.144	83	0.2	7.586	A
B-A	16	340	0.046	16	0.1	11.871	B
C-AB	115	612	0.188	116	0.2	7.541	A
C-A	468			468			
A-B	108			108			
A-C	359			359			

2018, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
4	untitled	T-Junction	Two-way	2.61	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	2018	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	369	100.000
B		✓	200	100.000
C		✓	743	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	46	323
	B	94	0	106
	C	630	113	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	7	2
	B	0	0	7
	C	3	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	278	278
	B	151	151
	C	559	559
17:00-17:15	A	332	332
	B	180	180
	C	668	668
17:15-17:30	A	406	406
	B	220	220
	C	818	818
17:30-17:45	A	406	406
	B	220	220
	C	818	818
17:45-18:00	A	332	332
	B	180	180
	C	668	668
18:00-18:15	A	278	278
	B	151	151
	C	559	559

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.22	9.10	0.3	A
B-A	0.34	17.67	0.5	C
C-AB	0.20	7.12	0.2	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	80	594	0.134	79	0.2	7.467	A
B-A	71	389	0.182	70	0.2	11.254	B
C-AB	85	667	0.128	84	0.1	6.172	A
C-A	474			474			
A-B	35			35			
A-C	243			243			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	95	573	0.166	95	0.2	8.063	A
B-A	85	355	0.238	84	0.3	13.296	B
C-AB	102	652	0.156	101	0.2	6.542	A
C-A	566			566			
A-B	41			41			
A-C	290			290			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	117	540	0.216	116	0.3	9.076	A
B-A	103	307	0.337	103	0.5	17.538	C
C-AB	124	630	0.198	124	0.2	7.115	A
C-A	694			694			
A-B	51			51			
A-C	356			356			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	117	540	0.216	117	0.3	9.097	A
B-A	103	307	0.337	103	0.5	17.667	C
C-AB	124	630	0.198	124	0.2	7.120	A
C-A	694			694			
A-B	51			51			
A-C	356			356			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	95	572	0.167	96	0.2	8.088	A
B-A	85	354	0.238	85	0.3	13.409	B
C-AB	102	652	0.156	102	0.2	6.551	A
C-A	566			566			
A-B	41			41			
A-C	290			290			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	80	594	0.134	80	0.2	7.501	A
B-A	71	389	0.182	71	0.2	11.351	B
C-AB	85	667	0.128	85	0.1	6.189	A
C-A	474			474			
A-B	35			35			
A-C	243			243			

Opening Year (DO NOTHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
4	untitled	T-Junction	Two-way	1.96	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	Opening Year (DO NOTHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	638	100.000
B		✓	134	100.000
C		✓	797	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	148	490
	B	21	0	113
	C	639	158	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	2	8
	B	8	0	4
	C	7	4	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	480	480
	B	101	101
	C	600	600
08:00-08:15	A	574	574
	B	120	120
	C	716	716
08:15-08:30	A	702	702
	B	148	148
	C	878	878
08:30-08:45	A	702	702
	B	148	148
	C	878	878
08:45-09:00	A	574	574
	B	120	120
	C	716	716
09:00-09:15	A	480	480
	B	101	101
	C	600	600

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.24	9.56	0.3	A
B-A	0.10	19.03	0.1	C
C-AB	0.32	10.11	0.5	B
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	85	574	0.148	84	0.2	7.635	A
B-A	16	335	0.047	16	0.1	12.180	B
C-AB	119	608	0.195	118	0.3	7.617	A
C-A	481			481			
A-B	111			111			
A-C	369			369			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	102	550	0.185	101	0.2	8.338	A
B-A	19	290	0.065	19	0.1	14.354	B
C-AB	142	581	0.244	142	0.3	8.508	A
C-A	574			574			
A-B	133			133			
A-C	440			440			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	124	516	0.241	124	0.3	9.542	A
B-A	23	228	0.102	23	0.1	18.978	C
C-AB	174	544	0.320	173	0.5	10.081	B
C-A	704			704			
A-B	163			163			
A-C	540			540			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	124	516	0.241	124	0.3	9.562	A
B-A	23	227	0.102	23	0.1	19.030	C
C-AB	174	544	0.320	174	0.5	10.113	B
C-A	704			704			
A-B	163			163			
A-C	540			540			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	102	550	0.185	102	0.2	8.364	A
B-A	19	289	0.065	19	0.1	14.400	B
C-AB	142	581	0.244	143	0.3	8.543	A
C-A	574			574			
A-B	133			133			
A-C	440			440			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	85	574	0.148	85	0.2	7.666	A
B-A	16	334	0.047	16	0.1	12.222	B
C-AB	119	608	0.195	119	0.3	7.657	A
C-A	481			481			
A-B	111			111			
A-C	369			369			

Opening Year (DO NOTHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
4	untitled	T-Junction	Two-way	2.71	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)
D4	Opening Year (DO NOTHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	378	100.000
B		✓	206	100.000
C		✓	763	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	47	331
	B	97	0	109
	C	647	116	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	7	2
	B	0	0	7
	C	4	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	285	285
	B	155	155
	C	574	574
17:00-17:15	A	340	340
	B	185	185
	C	686	686
17:15-17:30	A	416	416
	B	227	227
	C	840	840
17:30-17:45	A	416	416
	B	227	227
	C	840	840
17:45-18:00	A	340	340
	B	185	185
	C	686	686
18:00-18:15	A	285	285
	B	155	155
	C	574	574

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.22	9.28	0.3	A
B-A	0.36	18.58	0.5	C
C-AB	0.20	7.21	0.3	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	82	591	0.139	81	0.2	7.542	A
B-A	73	384	0.190	72	0.2	11.497	B
C-AB	87	665	0.131	87	0.1	6.217	A
C-A	487			487			
A-B	35			35			
A-C	249			249			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	98	569	0.172	98	0.2	8.172	A
B-A	87	349	0.250	87	0.3	13.706	B
C-AB	104	649	0.161	104	0.2	6.603	A
C-A	582			582			
A-B	42			42			
A-C	298			298			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	120	535	0.224	120	0.3	9.257	A
B-A	107	301	0.355	106	0.5	18.420	C
C-AB	128	627	0.204	127	0.3	7.202	A
C-A	712			712			
A-B	52			52			
A-C	364			364			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	120	535	0.224	120	0.3	9.281	A
B-A	107	300	0.355	107	0.5	18.578	C
C-AB	128	627	0.204	128	0.3	7.208	A
C-A	712			712			
A-B	52			52			
A-C	364			364			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	98	568	0.172	98	0.2	8.201	A
B-A	87	349	0.250	88	0.3	13.839	B
C-AB	104	649	0.161	105	0.2	6.614	A
C-A	582			582			
A-B	42			42			
A-C	298			298			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	82	591	0.139	82	0.2	7.575	A
B-A	73	384	0.190	73	0.2	11.603	B
C-AB	87	665	0.131	87	0.2	6.235	A
C-A	487			487			
A-B	35			35			
A-C	249			249			

Opening Year, +5 (DO NOTHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
4	untitled	T-Junction	Two-way	1.97	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	Opening Year, +5 (DO NOTHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	638	100.000
B		✓	134	100.000
C		✓	797	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	148	490
	B	21	0	113
	C	639	158	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	2	8
	B	8	0	5
	C	7	4	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	480	480
	B	101	101
	C	600	600
08:00-08:15	A	574	574
	B	120	120
	C	716	716
08:15-08:30	A	702	702
	B	148	148
	C	878	878
08:30-08:45	A	702	702
	B	148	148
	C	878	878
08:45-09:00	A	574	574
	B	120	120
	C	716	716
09:00-09:15	A	480	480
	B	101	101
	C	600	600

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.24	9.65	0.3	A
B-A	0.10	19.03	0.1	C
C-AB	0.32	10.11	0.5	B
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	85	574	0.148	84	0.2	7.710	A
B-A	16	335	0.047	16	0.1	12.180	B
C-AB	119	608	0.195	118	0.3	7.617	A
C-A	481			481			
A-B	111			111			
A-C	369			369			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	102	550	0.185	101	0.2	8.418	A
B-A	19	290	0.065	19	0.1	14.354	B
C-AB	142	581	0.244	142	0.3	8.508	A
C-A	574			574			
A-B	133			133			
A-C	440			440			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	124	516	0.241	124	0.3	9.635	A
B-A	23	228	0.102	23	0.1	18.978	C
C-AB	174	544	0.320	173	0.5	10.081	B
C-A	704			704			
A-B	163			163			
A-C	540			540			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	124	516	0.241	124	0.3	9.654	A
B-A	23	227	0.102	23	0.1	19.030	C
C-AB	174	544	0.320	174	0.5	10.113	B
C-A	704			704			
A-B	163			163			
A-C	540			540			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	102	550	0.185	102	0.2	8.443	A
B-A	19	289	0.065	19	0.1	14.400	B
C-AB	142	581	0.244	143	0.3	8.543	A
C-A	574			574			
A-B	133			133			
A-C	440			440			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	85	574	0.148	85	0.2	7.742	A
B-A	16	334	0.047	16	0.1	12.222	B
C-AB	119	608	0.195	119	0.3	7.657	A
C-A	481			481			
A-B	111			111			
A-C	369			369			

Opening Year, +5 (DO NOTHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
4	untitled	T-Junction	Two-way	2.72	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	Opening Year, +5 (DO NOTHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	378	100.000
B		✓	206	100.000
C		✓	763	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	47	331
	B	97	0	109
	C	647	116	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	7	2
	B	0	0	8
	C	4	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	285	285
	B	155	155
	C	574	574
17:00-17:15	A	340	340
	B	185	185
	C	686	686
17:15-17:30	A	416	416
	B	227	227
	C	840	840
17:30-17:45	A	416	416
	B	227	227
	C	840	840
17:45-18:00	A	340	340
	B	185	185
	C	686	686
18:00-18:15	A	285	285
	B	155	155
	C	574	574

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.22	9.37	0.3	A
B-A	0.36	18.58	0.5	C
C-AB	0.20	7.21	0.3	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	82	591	0.139	81	0.2	7.613	A
B-A	73	384	0.190	72	0.2	11.497	B
C-AB	87	665	0.131	87	0.1	6.217	A
C-A	487			487			
A-B	35			35			
A-C	249			249			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	98	569	0.172	98	0.2	8.248	A
B-A	87	349	0.250	87	0.3	13.706	B
C-AB	104	649	0.161	104	0.2	6.603	A
C-A	582			582			
A-B	42			42			
A-C	298			298			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	120	535	0.224	120	0.3	9.343	A
B-A	107	301	0.355	106	0.5	18.420	C
C-AB	128	627	0.204	127	0.3	7.202	A
C-A	712			712			
A-B	52			52			
A-C	364			364			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	120	535	0.224	120	0.3	9.367	A
B-A	107	300	0.355	107	0.5	18.578	C
C-AB	128	627	0.204	128	0.3	7.208	A
C-A	712			712			
A-B	52			52			
A-C	364			364			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	98	568	0.172	98	0.2	8.278	A
B-A	87	349	0.250	88	0.3	13.839	B
C-AB	104	649	0.161	105	0.2	6.614	A
C-A	582			582			
A-B	42			42			
A-C	298			298			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	82	591	0.139	82	0.2	7.646	A
B-A	73	384	0.190	73	0.2	11.603	B
C-AB	87	665	0.131	87	0.2	6.235	A
C-A	487			487			
A-B	35			35			
A-C	249			249			

Opening Year, +15 (DO NOTHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
4	untitled	T-Junction	Two-way	2.42	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	Opening Year, +15 (DO NOTHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	752	100.000
B		✓	157	100.000
C		✓	939	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	173	579
	B	25	0	132
	C	754	185	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	3	9
	B	9	0	5
	C	8	4	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	566	566
	B	118	118
	C	707	707
08:00-08:15	A	676	676
	B	141	141
	C	844	844
08:15-08:30	A	828	828
	B	173	173
	C	1034	1034
08:30-08:45	A	828	828
	B	173	173
	C	1034	1034
08:45-09:00	A	676	676
	B	141	141
	C	844	844
09:00-09:15	A	566	566
	B	118	118
	C	707	707

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.30	11.32	0.5	B
B-A	0.16	28.12	0.2	D
C-AB	0.40	12.31	0.7	B
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	99	552	0.180	98	0.2	8.320	A
B-A	19	294	0.064	19	0.1	14.254	B
C-AB	139	584	0.239	138	0.3	8.377	A
C-A	568			568			
A-B	130			130			
A-C	436			436			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	119	523	0.227	118	0.3	9.338	A
B-A	22	240	0.093	22	0.1	17.981	C
C-AB	166	552	0.301	166	0.4	9.687	A
C-A	678			678			
A-B	156			156			
A-C	521			521			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	145	480	0.303	145	0.4	11.271	B
B-A	28	167	0.164	27	0.2	27.904	D
C-AB	204	508	0.401	203	0.7	12.233	B
C-A	830			830			
A-B	190			190			
A-C	637			637			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	145	479	0.303	145	0.5	11.319	B
B-A	28	167	0.165	28	0.2	28.118	D
C-AB	204	508	0.401	204	0.7	12.308	B
C-A	830			830			
A-B	190			190			
A-C	637			637			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	119	523	0.227	119	0.3	9.385	A
B-A	22	240	0.094	23	0.1	18.114	C
C-AB	166	552	0.301	167	0.5	9.759	A
C-A	678			678			
A-B	156			156			
A-C	521			521			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	99	552	0.180	100	0.2	8.369	A
B-A	19	293	0.064	19	0.1	14.333	B
C-AB	139	584	0.239	140	0.3	8.444	A
C-A	568			568			
A-B	130			130			
A-C	436			436			

Opening Year, +15 (DO NOTHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
4	untitled	T-Junction	Two-way	3.49	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	Opening Year, +15 (DO NOTHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	443	100.000
B		✓	240	100.000
C		✓	893	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	56	387
	B	112	0	128
	C	758	135	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	8	2
	B	0	0	9
	C	4	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	334	334
	B	181	181
	C	672	672
17:00-17:15	A	398	398
	B	216	216
	C	803	803
17:15-17:30	A	488	488
	B	264	264
	C	983	983
17:30-17:45	A	488	488
	B	264	264
	C	983	983
17:45-18:00	A	398	398
	B	216	216
	C	803	803
18:00-18:15	A	334	334
	B	181	181
	C	672	672

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.28	10.93	0.4	B
B-A	0.48	27.16	0.9	D
C-AB	0.25	7.86	0.3	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	96	573	0.168	95	0.2	8.209	A
B-A	84	354	0.238	83	0.3	13.245	B
C-AB	102	651	0.156	101	0.2	6.536	A
C-A	571			571			
A-B	42			42			
A-C	291			291			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	115	545	0.211	115	0.3	9.124	A
B-A	101	312	0.322	100	0.5	16.900	C
C-AB	121	632	0.192	121	0.2	7.040	A
C-A	681			681			
A-B	50			50			
A-C	348			348			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	141	501	0.281	140	0.4	10.867	B
B-A	123	256	0.482	122	0.9	26.531	D
C-AB	149	606	0.245	148	0.3	7.854	A
C-A	835			835			
A-B	62			62			
A-C	426			426			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	141	500	0.282	141	0.4	10.929	B
B-A	123	256	0.483	123	0.9	27.156	D
C-AB	149	606	0.245	149	0.3	7.865	A
C-A	835			835			
A-B	62			62			
A-C	426			426			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	115	543	0.212	116	0.3	9.184	A
B-A	101	312	0.322	102	0.5	17.286	C
C-AB	121	632	0.192	122	0.2	7.054	A
C-A	681			681			
A-B	50			50			
A-C	348			348			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	96	572	0.169	97	0.2	8.265	A
B-A	84	353	0.239	85	0.3	13.448	B
C-AB	102	651	0.156	102	0.2	6.559	A
C-A	571			571			
A-B	42			42			
A-C	291			291			

Opening Year, (DO SOMETHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
4	untitled	T-Junction	Two-way	3.39	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	Opening Year, (DO SOMETHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	658	100.000
B		✓	226	100.000
C		✓	817	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	168	490
	B	74	0	152
	C	639	178	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	2	8
	B	2	0	3
	C	7	3	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	495	495
	B	170	170
	C	615	615
08:00-08:15	A	592	592
	B	203	203
	C	734	734
08:15-08:30	A	724	724
	B	249	249
	C	900	900
08:30-08:45	A	724	724
	B	249	249
	C	900	900
08:45-09:00	A	592	592
	B	203	203
	C	734	734
09:00-09:15	A	495	495
	B	170	170
	C	615	615

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.35	12.00	0.6	B
B-A	0.38	27.09	0.6	D
C-AB	0.36	10.85	0.6	B
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	114	555	0.206	113	0.3	8.384	A
B-A	56	327	0.170	55	0.2	13.431	B
C-AB	134	604	0.222	133	0.3	7.850	A
C-A	481			481			
A-B	126			126			
A-C	369			369			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	137	524	0.261	136	0.4	9.552	A
B-A	67	281	0.237	66	0.3	17.056	C
C-AB	160	576	0.278	160	0.4	8.890	A
C-A	574			574			
A-B	151			151			
A-C	440			440			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	167	477	0.351	167	0.5	11.911	B
B-A	81	217	0.375	80	0.6	26.643	D
C-AB	196	538	0.364	195	0.6	10.801	B
C-A	704			704			
A-B	185			185			
A-C	540			540			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	167	476	0.351	167	0.6	11.996	B
B-A	81	217	0.376	81	0.6	27.093	D
C-AB	196	538	0.364	196	0.6	10.846	B
C-A	704			704			
A-B	185			185			
A-C	540			540			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	137	523	0.261	137	0.4	9.629	A
B-A	67	281	0.237	68	0.3	17.332	C
C-AB	160	576	0.278	161	0.4	8.939	A
C-A	574			574			
A-B	151			151			
A-C	440			440			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	114	554	0.207	115	0.3	8.452	A
B-A	56	327	0.170	56	0.2	13.584	B
C-AB	134	604	0.222	134	0.3	7.901	A
C-A	481			481			
A-B	126			126			
A-C	369			369			

Opening Year, (DO SOMETHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
4	untitled	T-Junction	Two-way	3.90	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	Opening Year, (DO SOMETHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	413	100.000
B		✓	245	100.000
C		✓	814	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	82	331
	B	122	0	123
	C	647	167	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	4	2
	B	0	0	6
	C	4	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	311	311
	B	184	184
	C	613	613
17:00-17:15	A	371	371
	B	220	220
	C	732	732
17:15-17:30	A	455	455
	B	270	270
	C	896	896
17:30-17:45	A	455	455
	B	270	270
	C	896	896
17:45-18:00	A	371	371
	B	220	220
	C	732	732
18:00-18:15	A	311	311
	B	184	184
	C	613	613

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.26	10.16	0.4	B
B-A	0.49	25.46	0.9	D
C-AB	0.30	8.33	0.4	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	93	580	0.160	92	0.2	7.812	A
B-A	92	367	0.250	91	0.3	12.945	B
C-AB	126	658	0.191	125	0.2	6.747	A
C-A	487			487			
A-B	62			62			
A-C	249			249			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	111	553	0.200	110	0.3	8.617	A
B-A	110	329	0.334	109	0.5	16.340	C
C-AB	150	640	0.235	150	0.3	7.341	A
C-A	582			582			
A-B	74			74			
A-C	298			298			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	135	512	0.264	135	0.4	10.108	B
B-A	134	276	0.487	133	0.9	24.903	C
C-AB	184	616	0.299	183	0.4	8.314	A
C-A	712			712			
A-B	90			90			
A-C	364			364			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	135	511	0.265	135	0.4	10.157	B
B-A	134	275	0.488	134	0.9	25.462	D
C-AB	184	616	0.299	184	0.4	8.332	A
C-A	712			712			
A-B	90			90			
A-C	364			364			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	111	552	0.200	111	0.3	8.667	A
B-A	110	328	0.334	111	0.5	16.707	C
C-AB	150	640	0.235	151	0.3	7.360	A
C-A	582			582			
A-B	74			74			
A-C	298			298			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	93	579	0.160	93	0.2	7.859	A
B-A	92	367	0.250	93	0.3	13.156	B
C-AB	126	658	0.191	126	0.2	6.778	A
C-A	487			487			
A-B	62			62			
A-C	249			249			

Opening Year, +5 (DO SOMETHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
4	untitled	T-Junction	Two-way	3.39	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D11	Opening Year, +5 (DO SOMETHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	658	100.000
B		✓	226	100.000
C		✓	817	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	168	490
	B	74	0	152
	C	639	178	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	2	8
	B	2	0	3
	C	7	3	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	495	495
	B	170	170
	C	615	615
08:00-08:15	A	592	592
	B	203	203
	C	734	734
08:15-08:30	A	724	724
	B	249	249
	C	900	900
08:30-08:45	A	724	724
	B	249	249
	C	900	900
08:45-09:00	A	592	592
	B	203	203
	C	734	734
09:00-09:15	A	495	495
	B	170	170
	C	615	615

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.35	12.00	0.6	B
B-A	0.38	27.09	0.6	D
C-AB	0.36	10.85	0.6	B
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	114	555	0.206	113	0.3	8.384	A
B-A	56	327	0.170	55	0.2	13.431	B
C-AB	134	604	0.222	133	0.3	7.850	A
C-A	481			481			
A-B	126			126			
A-C	369			369			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	137	524	0.261	136	0.4	9.552	A
B-A	67	281	0.237	66	0.3	17.056	C
C-AB	160	576	0.278	160	0.4	8.890	A
C-A	574			574			
A-B	151			151			
A-C	440			440			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	167	477	0.351	167	0.5	11.911	B
B-A	81	217	0.375	80	0.6	26.643	D
C-AB	196	538	0.364	195	0.6	10.801	B
C-A	704			704			
A-B	185			185			
A-C	540			540			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	167	476	0.351	167	0.6	11.996	B
B-A	81	217	0.376	81	0.6	27.093	D
C-AB	196	538	0.364	196	0.6	10.846	B
C-A	704			704			
A-B	185			185			
A-C	540			540			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	137	523	0.261	137	0.4	9.629	A
B-A	67	281	0.237	68	0.3	17.332	C
C-AB	160	576	0.278	161	0.4	8.939	A
C-A	574			574			
A-B	151			151			
A-C	440			440			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	114	554	0.207	115	0.3	8.452	A
B-A	56	327	0.170	56	0.2	13.584	B
C-AB	134	604	0.222	134	0.3	7.901	A
C-A	481			481			
A-B	126			126			
A-C	369			369			

Opening Year, +5 (DO SOMETHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
4	untitled	T-Junction	Two-way	3.91	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D12	Opening Year, +5 (DO SOMETHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	413	100.000
B		✓	245	100.000
C		✓	814	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	82	331
	B	122	0	123
	C	647	167	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	4	2
	B	0	0	7
	C	4	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	311	311
	B	184	184
	C	613	613
17:00-17:15	A	371	371
	B	220	220
	C	732	732
17:15-17:30	A	455	455
	B	270	270
	C	896	896
17:30-17:45	A	455	455
	B	270	270
	C	896	896
17:45-18:00	A	371	371
	B	220	220
	C	732	732
18:00-18:15	A	311	311
	B	184	184
	C	613	613

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.26	10.25	0.4	B
B-A	0.49	25.46	0.9	D
C-AB	0.30	8.33	0.4	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	93	580	0.160	92	0.2	7.885	A
B-A	92	367	0.250	91	0.3	12.945	B
C-AB	126	658	0.191	125	0.2	6.747	A
C-A	487			487			
A-B	62			62			
A-C	249			249			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	111	553	0.200	110	0.3	8.699	A
B-A	110	329	0.334	109	0.5	16.340	C
C-AB	150	640	0.235	150	0.3	7.341	A
C-A	582			582			
A-B	74			74			
A-C	298			298			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	135	512	0.264	135	0.4	10.203	B
B-A	134	276	0.487	133	0.9	24.903	C
C-AB	184	616	0.299	183	0.4	8.314	A
C-A	712			712			
A-B	90			90			
A-C	364			364			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	135	511	0.265	135	0.4	10.252	B
B-A	134	275	0.488	134	0.9	25.462	D
C-AB	184	616	0.299	184	0.4	8.332	A
C-A	712			712			
A-B	90			90			
A-C	364			364			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	111	552	0.200	111	0.3	8.748	A
B-A	110	328	0.334	111	0.5	16.707	C
C-AB	150	640	0.235	151	0.3	7.360	A
C-A	582			582			
A-B	74			74			
A-C	298			298			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	93	579	0.160	93	0.2	7.933	A
B-A	92	367	0.250	93	0.3	13.156	B
C-AB	126	658	0.191	126	0.2	6.778	A
C-A	487			487			
A-B	62			62			
A-C	249			249			

Opening Year, +15 (DO SOMETHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
4	untitled	T-Junction	Two-way	4.76	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	Opening Year, +15 (DO SOMETHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	772	100.000
B		✓	249	100.000
C		✓	959	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	193	579
	B	77	0	172
	C	754	205	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	2	9
	B	3	0	4
	C	8	4	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	581	581
	B	187	187
	C	722	722
08:00-08:15	A	694	694
	B	224	224
	C	862	862
08:15-08:30	A	850	850
	B	274	274
	C	1056	1056
08:30-08:45	A	850	850
	B	274	274
	C	1056	1056
08:45-09:00	A	694	694
	B	224	224
	C	862	862
09:00-09:15	A	581	581
	B	187	187
	C	722	722

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.44	15.73	0.8	C
B-A	0.54	51.21	1.1	F
C-AB	0.45	13.57	0.8	B
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	129	531	0.244	128	0.3	9.264	A
B-A	58	286	0.202	57	0.3	16.092	C
C-AB	154	579	0.266	153	0.4	8.750	A
C-A	568			568			
A-B	145			145			
A-C	436			436			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	155	493	0.314	154	0.5	11.022	B
B-A	69	232	0.299	69	0.4	22.619	C
C-AB	184	547	0.337	184	0.5	10.299	B
C-A	678			678			
A-B	174			174			
A-C	521			521			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	189	429	0.441	188	0.8	15.422	C
B-A	85	157	0.541	82	1.1	48.062	E
C-AB	226	501	0.450	225	0.8	13.455	B
C-A	830			830			
A-B	212			212			
A-C	637			637			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	189	427	0.443	189	0.8	15.729	C
B-A	85	156	0.542	85	1.1	51.209	F
C-AB	226	501	0.450	226	0.8	13.569	B
C-A	830			830			
A-B	212			212			
A-C	637			637			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	155	491	0.315	156	0.5	11.215	B
B-A	69	231	0.300	72	0.5	23.681	C
C-AB	184	547	0.337	186	0.5	10.402	B
C-A	678			678			
A-B	174			174			
A-C	521			521			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	129	530	0.244	130	0.3	9.376	A
B-A	58	286	0.203	59	0.3	16.395	C
C-AB	154	579	0.266	155	0.4	8.838	A
C-A	568			568			
A-B	145			145			
A-C	436			436			

Opening Year, +15 (DO SOMETHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
4	untitled	T-Junction	Two-way	5.70	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D14	Opening Year, +15 (DO SOMETHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	478	100.000
B		✓	280	100.000
C		✓	944	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	91	387
	B	138	0	142
	C	758	186	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	5	2
	B	0	0	8
	C	4	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	360	360
	B	211	211
	C	711	711
17:00-17:15	A	430	430
	B	252	252
	C	849	849
17:15-17:30	A	526	526
	B	308	308
	C	1039	1039
17:30-17:45	A	526	526
	B	308	308
	C	1039	1039
17:45-18:00	A	430	430
	B	252	252
	C	849	849
18:00-18:15	A	360	360
	B	211	211
	C	711	711

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.33	12.43	0.5	B
B-A	0.66	45.07	1.8	E
C-AB	0.34	9.22	0.5	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	107	559	0.191	106	0.3	8.555	A
B-A	104	337	0.309	102	0.4	15.239	C
C-AB	140	643	0.218	139	0.3	7.120	A
C-A	571			571			
A-B	69			69			
A-C	291			291			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	128	526	0.243	127	0.3	9.740	A
B-A	124	292	0.425	123	0.7	21.153	C
C-AB	167	623	0.268	167	0.4	7.877	A
C-A	681			681			
A-B	82			82			
A-C	348			348			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	156	472	0.332	156	0.5	12.273	B
B-A	152	231	0.659	148	1.7	41.683	E
C-AB	205	595	0.344	204	0.5	9.192	A
C-A	835			835			
A-B	100			100			
A-C	426			426			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	156	469	0.333	156	0.5	12.429	B
B-A	152	230	0.659	152	1.8	45.067	E
C-AB	205	595	0.344	205	0.5	9.221	A
C-A	835			835			
A-B	100			100			
A-C	426			426			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	128	523	0.244	128	0.4	9.865	A
B-A	124	292	0.425	128	0.8	22.540	C
C-AB	167	623	0.268	168	0.4	7.918	A
C-A	681			681			
A-B	82			82			
A-C	348			348			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	107	558	0.192	107	0.3	8.636	A
B-A	104	336	0.309	105	0.5	15.665	C
C-AB	140	643	0.218	140	0.3	7.161	A
C-A	571			571			
A-B	69			69			
A-C	291			291			

Junctions 9

PICADY 9 - Priority Intersection Module

Filename: 1486_Junction5_BlackrockRd-unnamedRd.j9
Path: U:\5161486\7 Calcs\72Model
Report generation date: 04/12/2018 11:59:31

Summary of junction performance

	AM				PM			
	Queue (PCU)	Delay (s)	RFC	LOS	Queue (PCU)	Delay (s)	RFC	LOS
	2018							
Stream B-C	0.1	6.71	0.06	A	0.5	8.41	0.34	A
Stream B-A	0.1	12.68	0.07	B	0.5	13.92	0.33	B
Stream C-AB	0.5	7.12	0.25	A	0.0	4.33	0.03	A
	Opening Year (DO NOTHING)							
Stream B-C	0.1	6.77	0.06	A	0.5	8.62	0.35	A
Stream B-A	0.1	13.06	0.07	B	0.5	14.34	0.35	B
Stream C-AB	0.5	7.22	0.26	A	0.1	4.30	0.04	A
	Opening Year, +5 (DO NOTHING)							
Stream B-C	0.1	6.77	0.06	A	0.5	8.62	0.35	A
Stream B-A	0.1	13.06	0.07	B	0.5	14.34	0.35	B
Stream C-AB	0.5	7.22	0.26	A	0.1	4.32	0.04	A
	Opening Year, +15 (DO NOTHING)							
Stream B-C	0.1	7.30	0.08	A	0.7	10.30	0.43	B
Stream B-A	0.1	15.45	0.10	C	0.8	17.95	0.44	C
Stream C-AB	0.8	8.08	0.33	A	0.1	4.19	0.05	A
	Opening Year, (DO SOMETHING)							
Stream B-C	0.1	8.61	0.08	A	0.7	11.81	0.42	B
Stream B-A	0.3	14.56	0.21	B	1.5	23.64	0.60	C
Stream C-AB	0.6	7.84	0.29	A	0.1	4.18	0.04	A
	Opening Year, +5 (DO SOMETHING)							
Stream B-C	0.1	8.61	0.08	A	0.7	11.81	0.42	B
Stream B-A	0.3	14.56	0.21	B	1.5	23.64	0.60	C
Stream C-AB	0.6	7.86	0.29	A	0.1	4.20	0.04	A
	Opening Year, +15 (DO SOMETHING)							
Stream B-C	0.1	9.35	0.10	A	1.2	17.23	0.56	C
Stream B-A	0.4	18.22	0.26	C	2.5	37.76	0.73	E
Stream C-AB	1.0	9.00	0.38	A	0.1	4.06	0.05	A

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

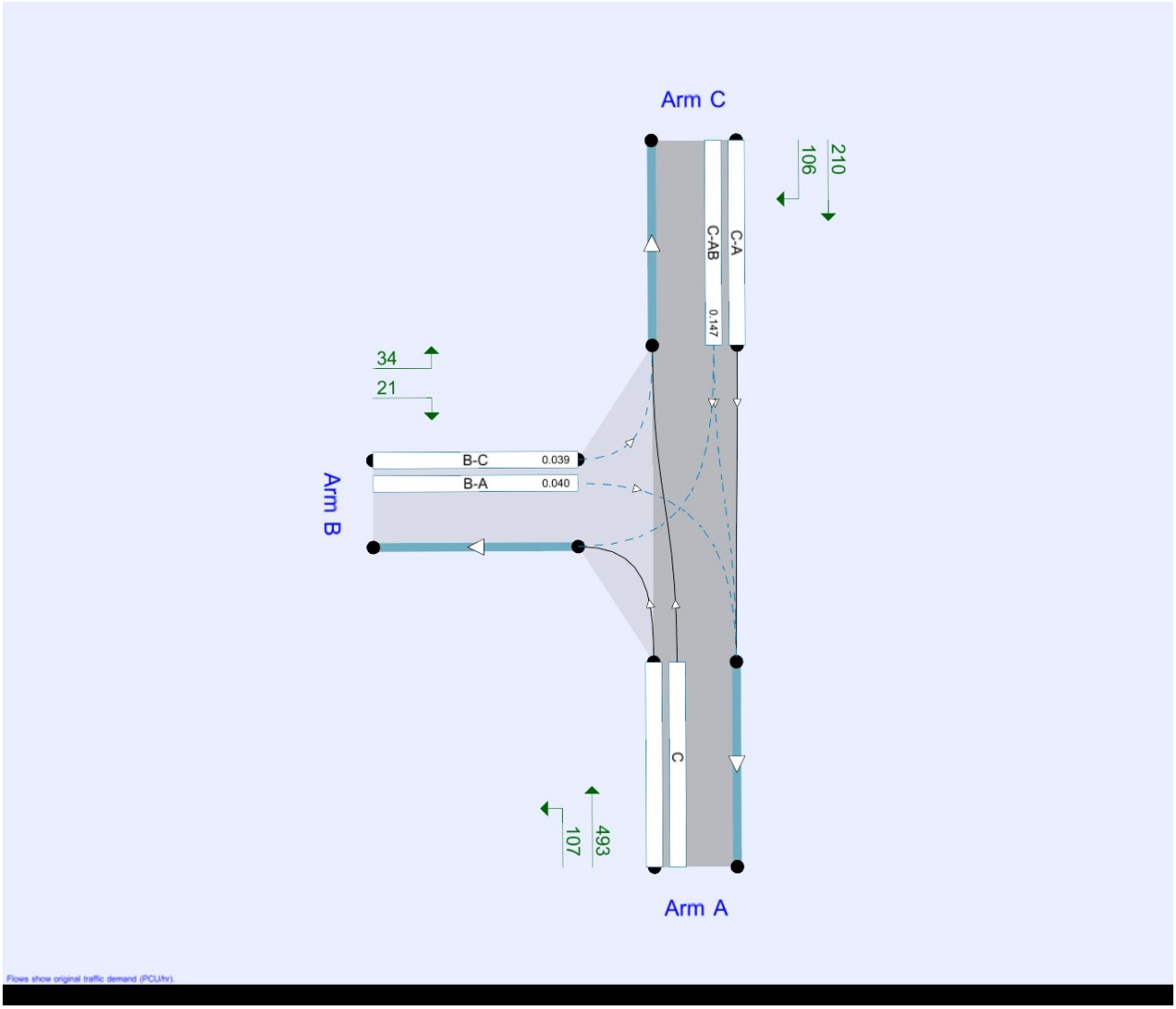
File summary

File Description

Title	Blackrock TTA
Location	Blackrock County Louth
Site number	
Date	22/08/2018
Version	
Status	Planning
Identifier	
Client	Kingsbridge Consultancy Ltd
Jobnumber	5161486
Enumerator	ATKINSMCCARTHY\MCollins
Description	

Units

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



The junction diagram reflects the last run of Junctions.

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	2018	AM	ONE HOUR	07:45	09:15	15
D2	2018	PM	ONE HOUR	16:45	18:15	15
D3	Opening Year (DO NOTHING)	AM	ONE HOUR	07:45	09:15	15
D4	Opening Year (DO NOTHING)	PM	ONE HOUR	16:45	18:15	15
D5	Opening Year, +5 (DO NOTHING)	AM	ONE HOUR	07:45	09:15	15
D6	Opening Year, +5 (DO NOTHING)	PM	ONE HOUR	16:45	18:15	15
D7	Opening Year, +15 (DO NOTHING)	AM	ONE HOUR	07:45	09:15	15
D8	Opening Year, +15 (DO NOTHING)	PM	ONE HOUR	16:45	18:15	15
D9	Opening Year, (DO SOMETHING)	AM	ONE HOUR	07:45	09:15	15
D10	Opening Year, (DO SOMETHING)	PM	ONE HOUR	16:45	18:15	15
D11	Opening Year, +5 (DO SOMETHING)	AM	ONE HOUR	07:45	09:15	15
D12	Opening Year, +5 (DO SOMETHING)	PM	ONE HOUR	16:45	18:15	15
D13	Opening Year, +15 (DO SOMETHING)	AM	ONE HOUR	07:45	09:15	15
D14	Opening Year, +15 (DO SOMETHING)	PM	ONE HOUR	16:45	18:15	15

Analysis Set Details

ID	Network flow scaling factor (%)
A1	100.000

2018, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
5	untitled	T-Junction	Two-way	1.60	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	Blackrock road		Major
B	Unnamed road		Minor
C	Blackrock road		Major

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)
C	6.50			250.0	✓	0.00

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

Minor Arm Geometry

Arm	Minor arm type	Width at give-way (m)	Width at 5m (m)	Width at 10m (m)	Width at 15m (m)	Width at 20m (m)	Estimate flare length	Flare length (PCU)	Visibility to left (m)	Visibility to right (m)
B	One lane plus flare	9.90	8.70	7.80	7.10	5.40		3.65	35	96

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
5	B-A	551	0.098	0.248	0.156	0.354
5	B-C	788	0.118	0.299	-	-
5	C-B	719	0.272	0.272	-	-

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	2018	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	600	100.000
B		✓	55	100.000
C		✓	316	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	107	493
	B	21	0	34
	C	210	106	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	1
	B	7	0	5
	C	8	2	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.06	6.71	0.1	A
B-A	0.07	12.68	0.1	B
C-AB	0.25	7.12	0.5	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	26	661	0.039	25	0.0	5.947	A
B-A	16	398	0.040	16	0.0	10.074	B
C-AB	103	701	0.147	102	0.2	6.202	A
C-A	135			135			
A-B	81			81			
A-C	371			371			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	31	636	0.048	31	0.1	6.247	A
B-A	19	368	0.051	19	0.1	11.030	B
C-AB	131	701	0.187	130	0.3	6.530	A
C-A	153			153			
A-B	96			96			
A-C	443			443			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	37	601	0.062	37	0.1	6.710	A
B-A	23	327	0.071	23	0.1	12.673	B
C-AB	175	701	0.249	174	0.5	7.089	A
C-A	173			173			
A-B	118			118			
A-C	543			543			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	37	601	0.062	37	0.1	6.712	A
B-A	23	327	0.071	23	0.1	12.684	B
C-AB	175	701	0.249	175	0.5	7.118	A
C-A	173			173			
A-B	118			118			
A-C	543			543			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	31	635	0.048	31	0.1	6.253	A
B-A	19	368	0.051	19	0.1	11.042	B
C-AB	131	701	0.187	132	0.3	6.575	A
C-A	153			153			
A-B	96			96			
A-C	443			443			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	26	660	0.039	26	0.0	5.954	A
B-A	16	398	0.040	16	0.0	10.091	B
C-AB	103	702	0.147	104	0.2	6.235	A
C-A	135			135			
A-B	81			81			
A-C	371			371			

2018, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
5	untitled	T-Junction	Two-way	3.13	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	2018	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	263	100.000
B		✓	317	100.000
C		✓	519	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	22	241
	B	118	0	199
	C	505	14	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	10	2
	B	0	0	0
	C	1	11	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.34	8.41	0.5	A
B-A	0.33	13.92	0.5	B
C-AB	0.03	4.33	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	150	697	0.215	149	0.3	6.551	A
B-A	89	439	0.202	88	0.2	10.214	B
C-AB	18	905	0.020	18	0.0	4.327	A
C-A	373			373			
A-B	17			17			
A-C	181			181			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	179	677	0.264	179	0.4	7.224	A
B-A	106	418	0.254	106	0.3	11.510	B
C-AB	24	943	0.026	24	0.0	4.160	A
C-A	442			442			
A-B	20			20			
A-C	217			217			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	219	647	0.338	219	0.5	8.381	A
B-A	130	388	0.334	129	0.5	13.854	B
C-AB	35	998	0.035	35	0.0	3.942	A
C-A	537			537			
A-B	24			24			
A-C	265			265			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	219	647	0.339	219	0.5	8.412	A
B-A	130	389	0.334	130	0.5	13.916	B
C-AB	35	998	0.035	35	0.0	3.930	A
C-A	537			537			
A-B	24			24			
A-C	265			265			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	179	676	0.265	179	0.4	7.258	A
B-A	106	418	0.254	107	0.3	11.575	B
C-AB	24	943	0.026	24	0.0	4.132	A
C-A	442			442			
A-B	20			20			
A-C	217			217			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	150	696	0.215	150	0.3	6.600	A
B-A	89	440	0.202	89	0.3	10.287	B
C-AB	18	905	0.020	18	0.0	4.312	A
C-A	372			372			
A-B	17			17			
A-C	181			181			

Opening Year (DO NOTHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
5	untitled	T-Junction	Two-way	1.63	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	Opening Year (DO NOTHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	616	100.000
B		✓	55	100.000
C		✓	324	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	110	506
	B	21	0	34
	C	215	109	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	1
	B	8	0	5
	C	8	2	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.06	6.77	0.1	A
B-A	0.07	13.06	0.1	B
C-AB	0.26	7.22	0.5	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	26	658	0.039	25	0.0	5.977	A
B-A	16	394	0.040	16	0.0	10.277	B
C-AB	107	701	0.152	106	0.2	6.243	A
C-A	137			137			
A-B	83			83			
A-C	381			381			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	31	632	0.048	31	0.1	6.287	A
B-A	19	363	0.052	19	0.1	11.289	B
C-AB	136	700	0.194	135	0.3	6.594	A
C-A	156			156			
A-B	99			99			
A-C	455			455			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	37	596	0.063	37	0.1	6.767	A
B-A	23	321	0.072	23	0.1	13.045	B
C-AB	182	701	0.259	181	0.5	7.193	A
C-A	175			175			
A-B	121			121			
A-C	557			557			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	37	596	0.063	37	0.1	6.769	A
B-A	23	321	0.072	23	0.1	13.058	B
C-AB	182	701	0.260	182	0.5	7.225	A
C-A	175			175			
A-B	121			121			
A-C	557			557			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	31	631	0.048	31	0.1	6.294	A
B-A	19	363	0.052	19	0.1	11.304	B
C-AB	136	701	0.194	137	0.3	6.642	A
C-A	155			155			
A-B	99			99			
A-C	455			455			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	26	657	0.039	26	0.0	5.987	A
B-A	16	394	0.040	16	0.0	10.295	B
C-AB	107	701	0.153	107	0.2	6.282	A
C-A	137			137			
A-B	83			83			
A-C	381			381			

Opening Year (DO NOTHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

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

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D4	Opening Year (DO NOTHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	271	100.000
B		✓	325	100.000
C		✓	532	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	23	248
	B	121	0	204
	C	518	14	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	11	2
	B	0	0	0
	C	1	11	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.35	8.62	0.5	A
B-A	0.35	14.34	0.5	B
C-AB	0.04	4.30	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	154	694	0.221	152	0.3	6.632	A
B-A	91	436	0.209	90	0.3	10.362	B
C-AB	18	909	0.020	18	0.0	4.301	A
C-A	382			382			
A-B	17			17			
A-C	187			187			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	183	673	0.272	183	0.4	7.341	A
B-A	109	415	0.262	108	0.3	11.740	B
C-AB	25	949	0.026	25	0.0	4.131	A
C-A	453			453			
A-B	21			21			
A-C	223			223			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	225	643	0.349	224	0.5	8.582	A
B-A	133	384	0.347	133	0.5	14.262	B
C-AB	36	1006	0.035	36	0.1	3.911	A
C-A	550			550			
A-B	25			25			
A-C	273			273			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	225	642	0.350	225	0.5	8.617	A
B-A	133	384	0.347	133	0.5	14.338	B
C-AB	36	1006	0.036	36	0.1	3.901	A
C-A	550			550			
A-B	25			25			
A-C	273			273			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	183	672	0.273	184	0.4	7.379	A
B-A	109	415	0.262	109	0.4	11.813	B
C-AB	25	949	0.026	25	0.0	4.105	A
C-A	453			453			
A-B	21			21			
A-C	223			223			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	154	693	0.222	154	0.3	6.678	A
B-A	91	437	0.209	91	0.3	10.440	B
C-AB	19	910	0.020	19	0.0	4.288	A
C-A	382			382			
A-B	17			17			
A-C	187			187			

Opening Year, +5 (DO NOTHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
5	untitled	T-Junction	Two-way	1.63	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	Opening Year, +5 (DO NOTHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	616	100.000
B		✓	55	100.000
C		✓	324	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	110	506
	B	21	0	34
	C	215	109	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	2
	B	8	0	5
	C	8	2	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.06	6.77	0.1	A
B-A	0.07	13.06	0.1	B
C-AB	0.26	7.22	0.5	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	26	658	0.039	25	0.0	5.977	A
B-A	16	394	0.040	16	0.0	10.277	B
C-AB	107	701	0.152	106	0.2	6.243	A
C-A	137			137			
A-B	83			83			
A-C	381			381			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	31	632	0.048	31	0.1	6.287	A
B-A	19	363	0.052	19	0.1	11.289	B
C-AB	136	700	0.194	135	0.3	6.594	A
C-A	156			156			
A-B	99			99			
A-C	455			455			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	37	596	0.063	37	0.1	6.767	A
B-A	23	321	0.072	23	0.1	13.045	B
C-AB	182	701	0.259	181	0.5	7.193	A
C-A	175			175			
A-B	121			121			
A-C	557			557			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	37	596	0.063	37	0.1	6.769	A
B-A	23	321	0.072	23	0.1	13.058	B
C-AB	182	701	0.260	182	0.5	7.225	A
C-A	175			175			
A-B	121			121			
A-C	557			557			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	31	631	0.048	31	0.1	6.294	A
B-A	19	363	0.052	19	0.1	11.304	B
C-AB	136	701	0.194	137	0.3	6.642	A
C-A	155			155			
A-B	99			99			
A-C	455			455			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	26	657	0.039	26	0.0	5.987	A
B-A	16	394	0.040	16	0.0	10.295	B
C-AB	107	701	0.153	107	0.2	6.282	A
C-A	137			137			
A-B	83			83			
A-C	381			381			

Opening Year, +5 (DO NOTHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

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

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D6	Opening Year, +5 (DO NOTHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	271	100.000
B		✓	325	100.000
C		✓	532	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	23	248
	B	121	0	204
	C	518	14	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	11	2
	B	0	0	0
	C	1	12	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.35	8.62	0.5	A
B-A	0.35	14.34	0.5	B
C-AB	0.04	4.32	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	154	694	0.221	152	0.3	6.632	A
B-A	91	436	0.209	90	0.3	10.362	B
C-AB	18	909	0.020	18	0.0	4.322	A
C-A	382			382			
A-B	17			17			
A-C	187			187			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	183	673	0.272	183	0.4	7.341	A
B-A	109	415	0.262	108	0.3	11.740	B
C-AB	25	949	0.026	25	0.0	4.150	A
C-A	453			453			
A-B	21			21			
A-C	223			223			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	225	643	0.349	224	0.5	8.582	A
B-A	133	384	0.347	133	0.5	14.262	B
C-AB	36	1006	0.035	36	0.1	3.926	A
C-A	550			550			
A-B	25			25			
A-C	273			273			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	225	642	0.350	225	0.5	8.617	A
B-A	133	384	0.347	133	0.5	14.338	B
C-AB	36	1006	0.036	36	0.1	3.913	A
C-A	550			550			
A-B	25			25			
A-C	273			273			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	183	672	0.273	184	0.4	7.382	A
B-A	109	415	0.262	109	0.4	11.815	B
C-AB	25	949	0.026	25	0.0	4.121	A
C-A	453			453			
A-B	21			21			
A-C	223			223			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	154	693	0.222	154	0.3	6.678	A
B-A	91	437	0.209	91	0.3	10.442	B
C-AB	19	910	0.020	19	0.0	4.306	A
C-A	382			382			
A-B	17			17			
A-C	187			187			

Opening Year, +15 (DO NOTHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
5	untitled	T-Junction	Two-way	1.94	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	Opening Year, +15 (DO NOTHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	719	100.000
B		✓	65	100.000
C		✓	383	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	128	591
	B	25	0	40
	C	255	128	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	2
	B	9	0	5
	C	9	3	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.08	7.30	0.1	A
B-A	0.10	15.45	0.1	C
C-AB	0.33	8.08	0.8	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	30	635	0.047	30	0.1	6.249	A
B-A	19	367	0.051	19	0.1	11.248	B
C-AB	133	702	0.189	131	0.3	6.586	A
C-A	156			156			
A-B	96			96			
A-C	445			445			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	36	604	0.060	36	0.1	6.651	A
B-A	22	331	0.068	22	0.1	12.702	B
C-AB	171	703	0.244	171	0.5	7.087	A
C-A	173			173			
A-B	115			115			
A-C	531			531			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	44	562	0.078	44	0.1	7.299	A
B-A	28	282	0.098	27	0.1	15.420	C
C-AB	235	706	0.333	234	0.7	8.023	A
C-A	187			187			
A-B	141			141			
A-C	651			651			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	44	562	0.078	44	0.1	7.303	A
B-A	28	281	0.098	28	0.1	15.450	C
C-AB	235	706	0.333	235	0.8	8.082	A
C-A	186			186			
A-B	141			141			
A-C	651			651			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	36	604	0.060	36	0.1	6.661	A
B-A	22	331	0.068	23	0.1	12.729	B
C-AB	172	704	0.244	173	0.5	7.164	A
C-A	173			173			
A-B	115			115			
A-C	531			531			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	30	634	0.047	30	0.1	6.261	A
B-A	19	367	0.051	19	0.1	11.276	B
C-AB	133	703	0.189	134	0.3	6.643	A
C-A	155			155			
A-B	96			96			
A-C	445			445			

Opening Year, +15 (DO NOTHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
5	untitled	T-Junction	Two-way	3.91	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	Opening Year, +15 (DO NOTHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	316	100.000
B		✓	379	100.000
C		✓	621	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	27	289
	B	141	0	238
	C	604	17	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	12	3
	B	0	0	0
	C	1	13	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.43	10.30	0.7	B
B-A	0.44	17.95	0.8	C
C-AB	0.05	4.19	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	179	677	0.265	178	0.4	7.193	A
B-A	106	418	0.254	105	0.3	11.465	B
C-AB	25	943	0.026	25	0.0	4.187	A
C-A	443			443			
A-B	20			20			
A-C	218			218			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	214	651	0.329	213	0.5	8.216	A
B-A	127	392	0.323	126	0.5	13.518	B
C-AB	34	991	0.034	34	0.0	4.003	A
C-A	524			524			
A-B	24			24			
A-C	260			260			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	262	612	0.428	261	0.7	10.220	B
B-A	155	356	0.437	154	0.7	17.768	C
C-AB	51	1059	0.048	50	0.1	3.767	A
C-A	633			633			
A-B	30			30			
A-C	318			318			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	262	611	0.429	262	0.7	10.300	B
B-A	155	356	0.437	155	0.8	17.947	C
C-AB	51	1059	0.048	51	0.1	3.757	A
C-A	633			633			
A-B	30			30			
A-C	318			318			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	214	650	0.329	215	0.5	8.294	A
B-A	127	392	0.323	128	0.5	13.679	B
C-AB	34	991	0.034	34	0.0	3.970	A
C-A	524			524			
A-B	24			24			
A-C	260			260			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	179	676	0.265	180	0.4	7.269	A
B-A	106	418	0.254	107	0.3	11.596	B
C-AB	25	944	0.026	25	0.0	4.169	A
C-A	443			443			
A-B	20			20			
A-C	218			218			

Opening Year, (DO SOMETHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
5	untitled	T-Junction	Two-way	2.01	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)
D9	Opening Year, (DO SOMETHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	787	100.000
B		✓	95	100.000
C		✓	349	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	202	585
	B	61	0	34
	C	240	109	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	1
	B	3	0	5
	C	7	2	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.08	8.61	0.1	A
B-A	0.21	14.56	0.3	B
C-AB	0.29	7.84	0.6	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	26	549	0.047	25	0.1	7.223	A
B-A	46	417	0.110	45	0.1	9.956	A
C-AB	112	682	0.164	111	0.3	6.499	A
C-A	151			151			
A-B	152			152			
A-C	440			440			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	31	519	0.059	31	0.1	7.741	A
B-A	55	377	0.145	55	0.2	11.485	B
C-AB	144	679	0.212	144	0.4	6.958	A
C-A	170			170			
A-B	182			182			
A-C	526			526			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	37	476	0.079	37	0.1	8.605	A
B-A	67	322	0.209	67	0.3	14.501	B
C-AB	198	676	0.292	197	0.6	7.792	A
C-A	187			187			
A-B	222			222			
A-C	644			644			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	37	476	0.079	37	0.1	8.614	A
B-A	67	322	0.209	67	0.3	14.556	B
C-AB	198	677	0.293	198	0.6	7.838	A
C-A	186			186			
A-B	222			222			
A-C	644			644			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	31	518	0.059	31	0.1	7.751	A
B-A	55	377	0.145	55	0.2	11.539	B
C-AB	144	679	0.213	145	0.4	7.022	A
C-A	169			169			
A-B	182			182			
A-C	526			526			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	26	548	0.047	26	0.1	7.232	A
B-A	46	417	0.110	46	0.1	10.003	B
C-AB	112	682	0.164	113	0.3	6.549	A
C-A	151			151			
A-B	152			152			
A-C	440			440			

Opening Year, (DO SOMETHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
5	untitled	T-Junction	Two-way	5.44	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	Opening Year, (DO SOMETHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	350	100.000
B		✓	411	100.000
C		✓	606	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	63	287
	B	207	0	204
	C	592	14	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	4	2
	B	0	0	0
	C	1	11	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.42	11.81	0.7	B
B-A	0.60	23.64	1.5	C
C-AB	0.04	4.18	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	154	617	0.249	152	0.3	7.722	A
B-A	156	446	0.350	154	0.5	12.260	B
C-AB	20	932	0.022	20	0.0	4.182	A
C-A	436			436			
A-B	47			47			
A-C	216			216			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	183	586	0.313	183	0.4	8.919	A
B-A	186	418	0.445	185	0.8	15.359	C
C-AB	28	978	0.028	28	0.0	3.999	A
C-A	517			517			
A-B	57			57			
A-C	258			258			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	225	532	0.422	224	0.7	11.644	B
B-A	228	379	0.601	225	1.4	22.978	C
C-AB	41	1043	0.039	41	0.1	3.765	A
C-A	626			626			
A-B	69			69			
A-C	316			316			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	225	529	0.424	225	0.7	11.812	B
B-A	228	380	0.600	228	1.5	23.642	C
C-AB	41	1043	0.040	41	0.1	3.754	A
C-A	626			626			
A-B	69			69			
A-C	316			316			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	183	583	0.314	184	0.5	9.047	A
B-A	186	419	0.444	189	0.8	15.794	C
C-AB	28	978	0.028	28	0.0	3.971	A
C-A	517			517			
A-B	57			57			
A-C	258			258			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	154	615	0.250	154	0.3	7.818	A
B-A	156	446	0.349	157	0.5	12.495	B
C-AB	20	933	0.022	20	0.0	4.166	A
C-A	436			436			
A-B	47			47			
A-C	216			216			

Opening Year, +5 (DO SOMETHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
5	untitled	T-Junction	Two-way	2.01	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)
D11	Opening Year, +5 (DO SOMETHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	787	100.000
B		✓	95	100.000
C		✓	349	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	202	585
	B	61	0	34
	C	240	109	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	1
	B	3	0	5
	C	8	2	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.08	8.61	0.1	A
B-A	0.21	14.56	0.3	B
C-AB	0.29	7.86	0.6	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	26	549	0.047	25	0.1	7.223	A
B-A	46	417	0.110	45	0.1	9.956	A
C-AB	112	682	0.164	111	0.3	6.514	A
C-A	151			151			
A-B	152			152			
A-C	440			440			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	31	519	0.059	31	0.1	7.741	A
B-A	55	377	0.145	55	0.2	11.485	B
C-AB	144	679	0.212	144	0.4	6.976	A
C-A	170			170			
A-B	182			182			
A-C	526			526			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	37	476	0.079	37	0.1	8.605	A
B-A	67	322	0.209	67	0.3	14.501	B
C-AB	198	676	0.292	197	0.6	7.817	A
C-A	187			187			
A-B	222			222			
A-C	644			644			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	37	476	0.079	37	0.1	8.614	A
B-A	67	322	0.209	67	0.3	14.556	B
C-AB	198	677	0.293	198	0.6	7.864	A
C-A	186			186			
A-B	222			222			
A-C	644			644			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	31	518	0.059	31	0.1	7.751	A
B-A	55	377	0.145	55	0.2	11.537	B
C-AB	144	679	0.213	145	0.4	7.043	A
C-A	169			169			
A-B	182			182			
A-C	526			526			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	26	548	0.047	26	0.1	7.235	A
B-A	46	417	0.110	46	0.1	10.005	B
C-AB	112	682	0.164	113	0.3	6.564	A
C-A	151			151			
A-B	152			152			
A-C	440			440			

Opening Year, +5 (DO SOMETHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
5	untitled	T-Junction	Two-way	5.44	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D12	Opening Year, +5 (DO SOMETHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	350	100.000
B		✓	411	100.000
C		✓	606	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	63	287
	B	207	0	204
	C	592	14	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	4	2
	B	0	0	0
	C	1	12	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.42	11.81	0.7	B
B-A	0.60	23.64	1.5	C
C-AB	0.04	4.20	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	154	617	0.249	152	0.3	7.722	A
B-A	156	446	0.350	154	0.5	12.260	B
C-AB	20	932	0.022	20	0.0	4.200	A
C-A	436			436			
A-B	47			47			
A-C	216			216			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	183	586	0.313	183	0.4	8.919	A
B-A	186	418	0.445	185	0.8	15.359	C
C-AB	28	978	0.028	28	0.0	4.016	A
C-A	517			517			
A-B	57			57			
A-C	258			258			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	225	532	0.422	224	0.7	11.644	B
B-A	228	379	0.601	225	1.4	22.978	C
C-AB	41	1043	0.039	41	0.1	3.778	A
C-A	626			626			
A-B	69			69			
A-C	316			316			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	225	529	0.424	225	0.7	11.812	B
B-A	228	380	0.600	228	1.5	23.642	C
C-AB	41	1043	0.040	41	0.1	3.768	A
C-A	626			626			
A-B	69			69			
A-C	316			316			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	183	583	0.314	184	0.5	9.047	A
B-A	186	419	0.444	189	0.8	15.794	C
C-AB	28	978	0.028	28	0.0	3.984	A
C-A	517			517			
A-B	57			57			
A-C	258			258			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	154	615	0.250	154	0.3	7.818	A
B-A	156	446	0.349	157	0.5	12.493	B
C-AB	20	933	0.022	20	0.0	4.183	A
C-A	436			436			
A-B	47			47			
A-C	216			216			

Opening Year, +15 (DO SOMETHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
5	untitled	T-Junction	Two-way	2.47	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	Opening Year, +15 (DO SOMETHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	890	100.000
B		✓	105	100.000
C		✓	407	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	220	670
	B	65	0	40
	C	279	128	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	1
	B	3	0	5
	C	9	3	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.10	9.35	0.1	A
B-A	0.26	18.22	0.4	C
C-AB	0.38	9.00	1.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	30	533	0.056	30	0.1	7.505	A
B-A	49	384	0.127	48	0.1	11.030	B
C-AB	139	684	0.203	138	0.4	6.900	A
C-A	167			167			
A-B	166			166			
A-C	504			504			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	36	498	0.072	36	0.1	8.170	A
B-A	58	338	0.173	58	0.2	13.227	B
C-AB	183	682	0.268	182	0.5	7.561	A
C-A	183			183			
A-B	198			198			
A-C	602			602			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	44	449	0.098	44	0.1	9.335	A
B-A	72	275	0.260	71	0.4	18.093	C
C-AB	258	682	0.378	256	1.0	8.909	A
C-A	190			190			
A-B	242			242			
A-C	738			738			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	44	448	0.098	44	0.1	9.352	A
B-A	72	275	0.260	72	0.4	18.217	C
C-AB	258	683	0.378	258	1.0	9.003	A
C-A	190			190			
A-B	242			242			
A-C	738			738			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	36	498	0.072	36	0.1	8.189	A
B-A	58	338	0.173	59	0.2	13.323	B
C-AB	183	683	0.268	185	0.6	7.674	A
C-A	183			183			
A-B	198			198			
A-C	602			602			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	30	533	0.057	30	0.1	7.523	A
B-A	49	383	0.128	49	0.2	11.103	B
C-AB	140	684	0.204	141	0.4	6.974	A
C-A	167			167			
A-B	166			166			
A-C	504			504			

Opening Year, +15 (DO SOMETHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
5	untitled	T-Junction	Two-way	8.27	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	Opening Year, +15 (DO SOMETHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	395	100.000
B		✓	465	100.000
C		✓	694	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	67	328
	B	227	0	238
	C	677	17	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	5	2
	B	0	0	0
	C	1	12	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-C	0.56	17.23	1.2	C
B-A	0.73	37.76	2.5	E
C-AB	0.05	4.06	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	179	605	0.296	178	0.4	8.398	A
B-A	171	421	0.406	168	0.7	14.086	B
C-AB	27	967	0.028	27	0.0	4.057	A
C-A	495			495			
A-B	50			50			
A-C	247			247			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	214	565	0.379	213	0.6	10.226	B
B-A	204	390	0.523	203	1.1	19.034	C
C-AB	38	1020	0.037	38	0.1	3.865	A
C-A	586			586			
A-B	60			60			
A-C	295			295			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	262	478	0.548	260	1.2	16.324	C
B-A	250	343	0.728	245	2.4	34.790	D
C-AB	59	1097	0.053	58	0.1	3.626	A
C-A	706			706			
A-B	74			74			
A-C	361			361			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	262	470	0.557	262	1.2	17.233	C
B-A	250	343	0.728	249	2.5	37.758	E
C-AB	59	1097	0.053	59	0.1	3.616	A
C-A	705			705			
A-B	74			74			
A-C	361			361			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	214	559	0.383	216	0.6	10.586	B
B-A	204	391	0.522	209	1.1	20.392	C
C-AB	38	1020	0.037	38	0.1	3.833	A
C-A	586			586			
A-B	60			60			
A-C	295			295			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-C	179	602	0.298	180	0.4	8.555	A
B-A	171	422	0.405	173	0.7	14.545	B
C-AB	27	967	0.028	27	0.0	4.041	A
C-A	495			495			
A-B	50			50			
A-C	247			247			

Junctions 9

PICADY 9 - Priority Intersection Module

Version: 9.0.1.4646 []

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Filename: 1486_Junction9_BlackrockRd-BotharMaol.j9
Path: U:\5161486\7 Calcs\72Model
Report generation date: 04/12/2018 12:07:39

Summary of junction performance

	AM				PM			
	Queue (PCU)	Delay (s)	RFC	LOS	Queue (PCU)	Delay (s)	RFC	LOS
	2018							
Stream B-AC	0.0	7.57	0.03	A	0.0	6.81	0.01	A
Stream C-AB	0.0	0.00	0.00	A	0.0	0.00	0.00	A
	Opening Year (DO NOTHING)							
Stream B-AC	0.0	7.66	0.03	A	0.0	6.86	0.01	A
Stream C-AB	0.0	0.00	0.00	A	0.0	0.00	0.00	A
	Opening Year, +5 (DO NOTHING)							
Stream B-AC	0.0	7.66	0.03	A	0.0	6.86	0.01	A
Stream C-AB	0.0	0.00	0.00	A	0.0	0.00	0.00	A
	Opening Year, +15 (DO NOTHING)							
Stream B-AC	0.0	8.43	0.04	A	0.0	6.94	0.01	A
Stream C-AB	0.0	0.00	0.00	A	0.0	0.00	0.00	A
	Opening Year, (DO SOMETHING)							
Stream B-AC	0.1	8.88	0.07	A	0.0	7.15	0.02	A
Stream C-AB	0.0	5.52	0.01	A	0.0	3.82	0.03	A
	Opening Year, +5 (DO SOMETHING)							
Stream B-AC	0.1	8.88	0.07	A	0.0	7.15	0.02	A
Stream C-AB	0.0	5.52	0.01	A	0.0	3.82	0.03	A
	Opening Year, +15 (DO SOMETHING)							
Stream B-AC	0.1	9.93	0.08	A	0.0	7.73	0.03	A
Stream C-AB	0.0	5.49	0.01	A	0.1	3.65	0.04	A

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

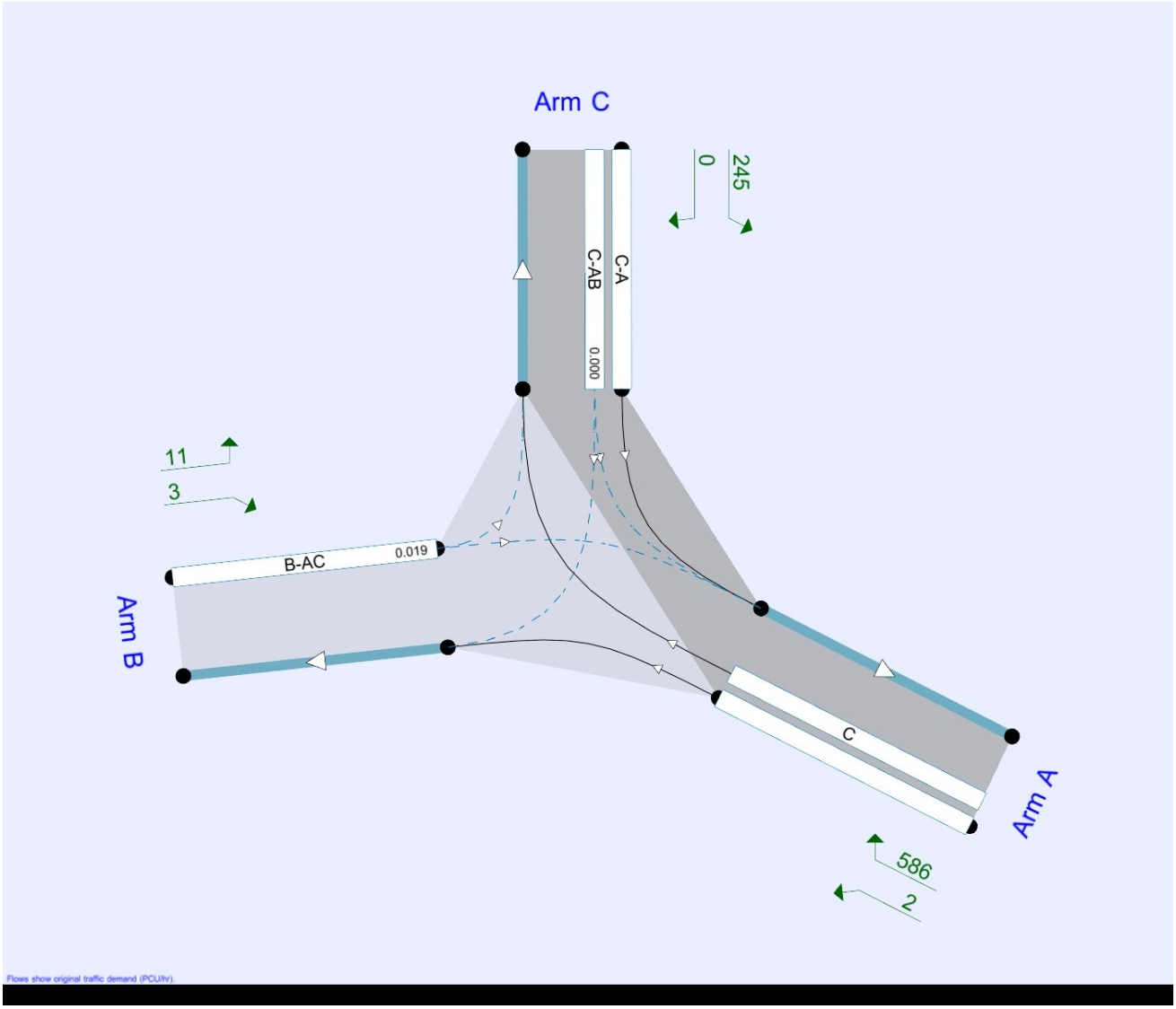
File summary

File Description

Title	Blackrock TTA
Location	Blackrock County Louth
Site number	
Date	22/08/2018
Version	
Status	Planning
Identifier	
Client	Kingsbridge Consultancy Ltd
Jobnumber	5161486
Enumerator	ATKINSMCCARTHY\MCollins
Description	

Units

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



The junction diagram reflects the last run of Junctions.

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	2018	AM	ONE HOUR	07:45	09:15	15
D2	2018	PM	ONE HOUR	16:45	18:15	15
D3	Opening Year (DO NOTHING)	AM	ONE HOUR	07:45	09:15	15
D4	Opening Year (DO NOTHING)	PM	ONE HOUR	16:45	18:15	15
D5	Opening Year, +5 (DO NOTHING)	AM	ONE HOUR	07:45	09:15	15
D6	Opening Year, +5 (DO NOTHING)	PM	ONE HOUR	16:45	18:15	15
D7	Opening Year, +15 (DO NOTHING)	AM	ONE HOUR	07:45	09:15	15
D8	Opening Year, +15 (DO NOTHING)	PM	ONE HOUR	16:45	18:15	15
D9	Opening Year, (DO SOMETHING)	AM	ONE HOUR	07:45	09:15	15
D10	Opening Year, (DO SOMETHING)	PM	ONE HOUR	16:45	18:15	15
D11	Opening Year, +5 (DO SOMETHING)	AM	ONE HOUR	07:45	09:15	15
D12	Opening Year, +5 (DO SOMETHING)	PM	ONE HOUR	16:45	18:15	15
D13	Opening Year, +15 (DO SOMETHING)	AM	ONE HOUR	07:45	09:15	15
D14	Opening Year, +15 (DO SOMETHING)	PM	ONE HOUR	16:45	18:15	15

Analysis Set Details

ID	Network flow scaling factor (%)
A1	100.000

2018, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
9	untitled	T-Junction	Two-way	0.13	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	Blackrock road		Major
B	Unnamed road		Minor
C	Blackrock road		Major

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)
C	6.00			107.0	✓	0.00

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

Minor Arm Geometry

Arm	Minor arm type	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B	One lane	3.20	82	135

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
9	B-A	584	0.106	0.269	0.169	0.384
9	B-C	723	0.111	0.280	-	-
9	C-B	636	0.246	0.246	-	-

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	2018	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	588	100.000
B		✓	14	100.000
C		✓	245	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	2	586
	B	3	0	11
	C	245	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	1
	B	0	0	0
	C	4	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.03	7.57	0.0	A
C-AB	0.00	0.00	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	11	554	0.019	10	0.0	6.622	A
C-AB	0	527	0.000	0	0.0	0.000	A
C-A	184			184			
A-B	2			2			
A-C	441			441			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	13	528	0.024	13	0.0	6.988	A
C-AB	0	506	0.000	0	0.0	0.000	A
C-A	220			220			
A-B	2			2			
A-C	527			527			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	15	491	0.031	15	0.0	7.570	A
C-AB	0	476	0.000	0	0.0	0.000	A
C-A	270			270			
A-B	2			2			
A-C	645			645			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	15	491	0.031	15	0.0	7.570	A
C-AB	0	476	0.000	0	0.0	0.000	A
C-A	270			270			
A-B	2			2			
A-C	645			645			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	13	528	0.024	13	0.0	6.991	A
C-AB	0	506	0.000	0	0.0	0.000	A
C-A	220			220			
A-B	2			2			
A-C	527			527			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	11	554	0.019	11	0.0	6.625	A
C-AB	0	527	0.000	0	0.0	0.000	A
C-A	184			184			
A-B	2			2			
A-C	441			441			

2018, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
9	untitled	T-Junction	Two-way	0.04	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	2018	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	205	100.000
B		✓	5	100.000
C		✓	583	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	1	204
	B	2	0	3
	C	583	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	3
	B	0	0	0
	C	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.01	6.81	0.0	A
C-AB	0.00	0.00	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	4	576	0.007	4	0.0	6.292	A
C-AB	0	598	0.000	0	0.0	0.000	A
C-A	439			439			
A-B	0.75			0.75			
A-C	154			154			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	4	558	0.008	4	0.0	6.497	A
C-AB	0	591	0.000	0	0.0	0.000	A
C-A	524			524			
A-B	0.90			0.90			
A-C	183			183			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	6	534	0.010	5	0.0	6.813	A
C-AB	0	580	0.000	0	0.0	0.000	A
C-A	642			642			
A-B	1			1			
A-C	225			225			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	6	534	0.010	6	0.0	6.813	A
C-AB	0	580	0.000	0	0.0	0.000	A
C-A	642			642			
A-B	1			1			
A-C	225			225			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	4	558	0.008	5	0.0	6.498	A
C-AB	0	591	0.000	0	0.0	0.000	A
C-A	524			524			
A-B	0.90			0.90			
A-C	183			183			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	4	576	0.007	4	0.0	6.295	A
C-AB	0	598	0.000	0	0.0	0.000	A
C-A	439			439			
A-B	0.75			0.75			
A-C	154			154			

Opening Year (DO NOTHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
9	untitled	T-Junction	Two-way	0.12	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	Opening Year (DO NOTHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	604	100.000
B		✓	14	100.000
C		✓	252	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	2	602
	B	3	0	11
	C	252	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	1
	B	0	0	0
	C	4	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.03	7.66	0.0	A
C-AB	0.00	0.00	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	11	550	0.019	10	0.0	6.668	A
C-AB	0	524	0.000	0	0.0	0.000	A
C-A	190			190			
A-B	2			2			
A-C	453			453			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	13	523	0.024	13	0.0	7.049	A
C-AB	0	502	0.000	0	0.0	0.000	A
C-A	227			227			
A-B	2			2			
A-C	541			541			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	15	485	0.032	15	0.0	7.659	A
C-AB	0	472	0.000	0	0.0	0.000	A
C-A	277			277			
A-B	2			2			
A-C	663			663			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	15	485	0.032	15	0.0	7.659	A
C-AB	0	472	0.000	0	0.0	0.000	A
C-A	277			277			
A-B	2			2			
A-C	663			663			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	13	523	0.024	13	0.0	7.052	A
C-AB	0	502	0.000	0	0.0	0.000	A
C-A	227			227			
A-B	2			2			
A-C	541			541			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	11	550	0.019	11	0.0	6.671	A
C-AB	0	524	0.000	0	0.0	0.000	A
C-A	190			190			
A-B	2			2			
A-C	453			453			

Opening Year (DO NOTHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
9	untitled	T-Junction	Two-way	0.04	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	Opening Year (DO NOTHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	211	100.000
B		✓	5	100.000
C		✓	599	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	1	210
	B	2	0	3
	C	599	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	3
	B	0	0	0
	C	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.01	6.86	0.0	A
C-AB	0.00	0.00	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	4	573	0.007	4	0.0	6.320	A
C-AB	0	597	0.000	0	0.0	0.000	A
C-A	451			451			
A-B	0.75			0.75			
A-C	158			158			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	4	555	0.008	4	0.0	6.534	A
C-AB	0	589	0.000	0	0.0	0.000	A
C-A	538			538			
A-B	0.90			0.90			
A-C	189			189			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	6	530	0.010	5	0.0	6.864	A
C-AB	0	579	0.000	0	0.0	0.000	A
C-A	660			660			
A-B	1			1			
A-C	231			231			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	6	530	0.010	6	0.0	6.864	A
C-AB	0	579	0.000	0	0.0	0.000	A
C-A	660			660			
A-B	1			1			
A-C	231			231			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	4	555	0.008	5	0.0	6.534	A
C-AB	0	589	0.000	0	0.0	0.000	A
C-A	538			538			
A-B	0.90			0.90			
A-C	189			189			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	4	573	0.007	4	0.0	6.322	A
C-AB	0	597	0.000	0	0.0	0.000	A
C-A	451			451			
A-B	0.75			0.75			
A-C	158			158			

Opening Year, +5 (DO NOTHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
9	untitled	T-Junction	Two-way	0.12	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	Opening Year, +5 (DO NOTHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	604	100.000
B		✓	14	100.000
C		✓	252	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	2	602
	B	3	0	11
	C	252	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	1
	B	0	0	0
	C	4	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.03	7.66	0.0	A
C-AB	0.00	0.00	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	11	550	0.019	10	0.0	6.668	A
C-AB	0	524	0.000	0	0.0	0.000	A
C-A	190			190			
A-B	2			2			
A-C	453			453			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	13	523	0.024	13	0.0	7.049	A
C-AB	0	502	0.000	0	0.0	0.000	A
C-A	227			227			
A-B	2			2			
A-C	541			541			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	15	485	0.032	15	0.0	7.659	A
C-AB	0	472	0.000	0	0.0	0.000	A
C-A	277			277			
A-B	2			2			
A-C	663			663			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	15	485	0.032	15	0.0	7.659	A
C-AB	0	472	0.000	0	0.0	0.000	A
C-A	277			277			
A-B	2			2			
A-C	663			663			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	13	523	0.024	13	0.0	7.052	A
C-AB	0	502	0.000	0	0.0	0.000	A
C-A	227			227			
A-B	2			2			
A-C	541			541			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	11	550	0.019	11	0.0	6.671	A
C-AB	0	524	0.000	0	0.0	0.000	A
C-A	190			190			
A-B	2			2			
A-C	453			453			

Opening Year, +5 (DO NOTHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
9	untitled	T-Junction	Two-way	0.04	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	Opening Year, +5 (DO NOTHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	211	100.000
B		✓	5	100.000
C		✓	599	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	1	210
	B	2	0	3
	C	599	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	3
	B	0	0	0
	C	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.01	6.86	0.0	A
C-AB	0.00	0.00	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	4	573	0.007	4	0.0	6.320	A
C-AB	0	597	0.000	0	0.0	0.000	A
C-A	451			451			
A-B	0.75			0.75			
A-C	158			158			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	4	555	0.008	4	0.0	6.534	A
C-AB	0	589	0.000	0	0.0	0.000	A
C-A	538			538			
A-B	0.90			0.90			
A-C	189			189			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	6	530	0.010	5	0.0	6.864	A
C-AB	0	579	0.000	0	0.0	0.000	A
C-A	660			660			
A-B	1			1			
A-C	231			231			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	6	530	0.010	6	0.0	6.864	A
C-AB	0	579	0.000	0	0.0	0.000	A
C-A	660			660			
A-B	1			1			
A-C	231			231			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	4	555	0.008	5	0.0	6.534	A
C-AB	0	589	0.000	0	0.0	0.000	A
C-A	538			538			
A-B	0.90			0.90			
A-C	189			189			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	4	573	0.007	4	0.0	6.322	A
C-AB	0	597	0.000	0	0.0	0.000	A
C-A	451			451			
A-B	0.75			0.75			
A-C	158			158			

Opening Year, +15 (DO NOTHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
9	untitled	T-Junction	Two-way	0.14	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)
D7	Opening Year, +15 (DO NOTHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	704	100.000
B		✓	17	100.000
C		✓	295	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	2	702
	B	4	0	13
	C	295	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	1
	B	0	0	0
	C	4	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.04	8.43	0.0	A
C-AB	0.00	0.00	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	13	523	0.024	13	0.0	7.057	A
C-AB	0	505	0.000	0	0.0	0.000	A
C-A	222			222			
A-B	2			2			
A-C	529			529			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	15	491	0.031	15	0.0	7.570	A
C-AB	0	480	0.000	0	0.0	0.000	A
C-A	265			265			
A-B	2			2			
A-C	631			631			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	19	446	0.042	19	0.0	8.428	A
C-AB	0	445	0.000	0	0.0	0.000	A
C-A	325			325			
A-B	2			2			
A-C	773			773			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	19	446	0.042	19	0.0	8.430	A
C-AB	0	445	0.000	0	0.0	0.000	A
C-A	325			325			
A-B	2			2			
A-C	773			773			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	15	491	0.031	15	0.0	7.575	A
C-AB	0	480	0.000	0	0.0	0.000	A
C-A	265			265			
A-B	2			2			
A-C	631			631			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	13	523	0.024	13	0.0	7.060	A
C-AB	0	505	0.000	0	0.0	0.000	A
C-A	222			222			
A-B	2			2			
A-C	529			529			

Opening Year, +15 (DO NOTHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
9	untitled	T-Junction	Two-way	0.04	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	Opening Year, +15 (DO NOTHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	246	100.000
B		✓	6	100.000
C		✓	698	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	1	245
	B	2	0	4
	C	698	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	3
	B	0	0	0
	C	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.01	6.94	0.0	A
C-AB	0.00	0.00	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	5	574	0.008	4	0.0	6.318	A
C-AB	0	590	0.000	0	0.0	0.000	A
C-A	525			525			
A-B	0.75			0.75			
A-C	184			184			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	5	554	0.010	5	0.0	6.560	A
C-AB	0	581	0.000	0	0.0	0.000	A
C-A	627			627			
A-B	0.90			0.90			
A-C	220			220			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	7	525	0.013	7	0.0	6.941	A
C-AB	0	569	0.000	0	0.0	0.000	A
C-A	769			769			
A-B	1			1			
A-C	270			270			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	7	525	0.013	7	0.0	6.941	A
C-AB	0	569	0.000	0	0.0	0.000	A
C-A	769			769			
A-B	1			1			
A-C	270			270			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	5	554	0.010	5	0.0	6.560	A
C-AB	0	581	0.000	0	0.0	0.000	A
C-A	627			627			
A-B	0.90			0.90			
A-C	220			220			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	5	574	0.008	5	0.0	6.321	A
C-AB	0	590	0.000	0	0.0	0.000	A
C-A	525			525			
A-B	0.75			0.75			
A-C	184			184			

Opening Year, (DO SOMETHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
9	untitled	T-Junction	Two-way	0.24	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	Opening Year, (DO SOMETHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	766	100.000
B		✓	26	100.000
C		✓	317	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	3	763
	B	5	0	21
	C	313	4	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	1
	B	0	0	0
	C	3	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.07	8.88	0.1	A
C-AB	0.01	5.52	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	20	517	0.038	19	0.0	7.227	A
C-AB	5	665	0.007	5	0.0	5.509	A
C-A	234			234			
A-B	2			2			
A-C	574			574			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	23	483	0.048	23	0.1	7.834	A
C-AB	6	675	0.009	6	0.0	5.445	A
C-A	279			279			
A-B	3			3			
A-C	686			686			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	29	434	0.066	29	0.1	8.875	A
C-AB	9	691	0.013	9	0.0	5.350	A
C-A	340			340			
A-B	3			3			
A-C	840			840			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	29	434	0.066	29	0.1	8.876	A
C-AB	9	691	0.013	9	0.0	5.358	A
C-A	340			340			
A-B	3			3			
A-C	840			840			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	23	483	0.048	23	0.1	7.839	A
C-AB	6	675	0.009	6	0.0	5.458	A
C-A	279			279			
A-B	3			3			
A-C	686			686			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	20	517	0.038	20	0.0	7.232	A
C-AB	5	665	0.007	5	0.0	5.515	A
C-A	234			234			
A-B	2			2			
A-C	574			574			

Opening Year, (DO SOMETHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
9	untitled	T-Junction	Two-way	0.17	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)
D10	Opening Year, (DO SOMETHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	287	100.000
B		✓	10	100.000
C		✓	758	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	3	284
	B	3	0	7
	C	749	9	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	2
	B	0	0	0
	C	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.02	7.15	0.0	A
C-AB	0.03	3.82	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	8	569	0.013	7	0.0	6.407	A
C-AB	16	964	0.017	16	0.0	3.819	A
C-A	554			554			
A-B	2			2			
A-C	214			214			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	9	547	0.016	9	0.0	6.692	A
C-AB	23	1032	0.023	23	0.0	3.591	A
C-A	658			658			
A-B	3			3			
A-C	255			255			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	11	514	0.021	11	0.0	7.152	A
C-AB	37	1127	0.033	37	0.0	3.324	A
C-A	798			798			
A-B	3			3			
A-C	313			313			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	11	514	0.021	11	0.0	7.152	A
C-AB	37	1127	0.033	37	0.0	3.326	A
C-A	798			798			
A-B	3			3			
A-C	313			313			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	9	547	0.016	9	0.0	6.696	A
C-AB	23	1032	0.023	23	0.0	3.595	A
C-A	658			658			
A-B	3			3			
A-C	255			255			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	8	569	0.013	8	0.0	6.410	A
C-AB	16	964	0.017	16	0.0	3.821	A
C-A	554			554			
A-B	2			2			
A-C	214			214			

Opening Year, +5 (DO SOMETHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
9	untitled	T-Junction	Two-way	0.24	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D11	Opening Year, +5 (DO SOMETHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	766	100.000
B		✓	26	100.000
C		✓	317	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	3	763
	B	5	0	21
	C	313	4	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	1
	B	0	0	0
	C	3	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.07	8.88	0.1	A
C-AB	0.01	5.52	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	20	517	0.038	19	0.0	7.227	A
C-AB	5	665	0.007	5	0.0	5.509	A
C-A	234			234			
A-B	2			2			
A-C	574			574			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	23	483	0.048	23	0.1	7.834	A
C-AB	6	675	0.009	6	0.0	5.445	A
C-A	279			279			
A-B	3			3			
A-C	686			686			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	29	434	0.066	29	0.1	8.875	A
C-AB	9	691	0.013	9	0.0	5.350	A
C-A	340			340			
A-B	3			3			
A-C	840			840			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	29	434	0.066	29	0.1	8.876	A
C-AB	9	691	0.013	9	0.0	5.358	A
C-A	340			340			
A-B	3			3			
A-C	840			840			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	23	483	0.048	23	0.1	7.839	A
C-AB	6	675	0.009	6	0.0	5.458	A
C-A	279			279			
A-B	3			3			
A-C	686			686			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	20	517	0.038	20	0.0	7.232	A
C-AB	5	665	0.007	5	0.0	5.515	A
C-A	234			234			
A-B	2			2			
A-C	574			574			

Opening Year, +5 (DO SOMETHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
9	untitled	T-Junction	Two-way	0.17	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)
D12	Opening Year, +5 (DO SOMETHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	287	100.000
B		✓	10	100.000
C		✓	758	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	3	284
	B	3	0	7
	C	749	9	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	2
	B	0	0	0
	C	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.02	7.15	0.0	A
C-AB	0.03	3.82	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	8	569	0.013	7	0.0	6.407	A
C-AB	16	964	0.017	16	0.0	3.819	A
C-A	554			554			
A-B	2			2			
A-C	214			214			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	9	547	0.016	9	0.0	6.692	A
C-AB	23	1032	0.023	23	0.0	3.591	A
C-A	658			658			
A-B	3			3			
A-C	255			255			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	11	514	0.021	11	0.0	7.152	A
C-AB	37	1127	0.033	37	0.0	3.324	A
C-A	798			798			
A-B	3			3			
A-C	313			313			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	11	514	0.021	11	0.0	7.152	A
C-AB	37	1127	0.033	37	0.0	3.326	A
C-A	798			798			
A-B	3			3			
A-C	313			313			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	9	547	0.016	9	0.0	6.696	A
C-AB	23	1032	0.023	23	0.0	3.595	A
C-A	658			658			
A-B	3			3			
A-C	255			255			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	8	569	0.013	8	0.0	6.410	A
C-AB	16	964	0.017	16	0.0	3.821	A
C-A	554			554			
A-B	2			2			
A-C	214			214			

Opening Year, +15 (DO SOMETHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
9	untitled	T-Junction	Two-way	0.26	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)
D13	Opening Year, +15 (DO SOMETHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	868	100.000
B		✓	29	100.000
C		✓	360	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	4	864
	B	6	0	23
	C	356	4	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	1
	B	0	0	0
	C	4	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.08	9.93	0.1	A
C-AB	0.01	5.49	0.0	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	22	491	0.045	22	0.0	7.678	A
C-AB	5	672	0.007	5	0.0	5.479	A
C-A	266			266			
A-B	3			3			
A-C	650			650			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	26	451	0.058	26	0.1	8.474	A
C-AB	7	685	0.010	7	0.0	5.399	A
C-A	317			317			
A-B	4			4			
A-C	777			777			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	32	394	0.081	32	0.1	9.926	A
C-AB	10	705	0.014	10	0.0	5.283	A
C-A	386			386			
A-B	4			4			
A-C	951			951			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	32	394	0.081	32	0.1	9.932	A
C-AB	10	705	0.014	10	0.0	5.292	A
C-A	386			386			
A-B	4			4			
A-C	951			951			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	26	451	0.058	26	0.1	8.482	A
C-AB	7	685	0.010	7	0.0	5.417	A
C-A	317			317			
A-B	4			4			
A-C	777			777			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	22	491	0.045	22	0.0	7.682	A
C-AB	5	672	0.007	5	0.0	5.488	A
C-A	266			266			
A-B	3			3			
A-C	650			650			

Opening Year, +15 (DO SOMETHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
9	untitled	T-Junction	Two-way	0.18	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	Opening Year, +15 (DO SOMETHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	323	100.000
B		✓	12	100.000
C		✓	858	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	3	320
	B	4	0	8
	C	849	9	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	2
	B	0	0	0
	C	1	0	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.03	7.73	0.0	A
C-AB	0.04	3.65	0.1	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	9	545	0.017	9	0.0	6.712	A
C-AB	18	1011	0.018	18	0.0	3.650	A
C-A	628			628			
A-B	2			2			
A-C	241			241			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	11	518	0.021	11	0.0	7.092	A
C-AB	27	1088	0.025	27	0.0	3.414	A
C-A	744			744			
A-B	3			3			
A-C	288			288			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	13	479	0.028	13	0.0	7.730	A
C-AB	45	1198	0.038	45	0.1	3.144	A
C-A	899			899			
A-B	3			3			
A-C	352			352			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	13	479	0.028	13	0.0	7.730	A
C-AB	45	1198	0.038	45	0.1	3.148	A
C-A	899			899			
A-B	3			3			
A-C	352			352			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	11	518	0.021	11	0.0	7.093	A
C-AB	27	1088	0.025	27	0.0	3.420	A
C-A	744			744			
A-B	3			3			
A-C	288			288			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	9	545	0.017	9	0.0	6.713	A
C-AB	19	1011	0.018	19	0.0	3.655	A
C-A	627			627			
A-B	2			2			
A-C	241			241			

Junctions 9

PICADY 9 - Priority Intersection Module

Version: 9.0.1.4646 []

For sales and distribution information, program advice and maintenance, contact TRL:
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Filename: 1486_Junction10_DevAccess1.j9
Path: U:\5161486\7 Calcs\72Model
Report generation date: 04/12/2018 12:11:20

Summary of junction performance

	AM				PM			
	Queue (PCU)	Delay (s)	RFC	LOS	Queue (PCU)	Delay (s)	RFC	LOS
	2018							
Stream B-AC	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Stream C-AB	0.0	0.00	0.00	A	0.0	0.00	0.00	A
	Opening Year (DO NOTHING)							
Stream B-AC	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Stream C-AB	0.0	0.00	0.00	A	0.0	0.00	0.00	A
	Opening Year, +5 (DO NOTHING)							
Stream B-AC	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Stream C-AB	0.0	0.00	0.00	A	0.0	0.00	0.00	A
	Opening Year, +15 (DO NOTHING)							
Stream B-AC	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Stream C-AB	0.0	0.00	0.00	A	0.0	0.00	0.00	A
	Opening Year, (DO SOMETHING)							
Stream B-AC	1.1	17.52	0.52	C	0.3	9.73	0.23	A
Stream C-AB	0.4	6.74	0.17	A	1.7	6.98	0.48	A
	Opening Year, +5 (DO SOMETHING)							
Stream B-AC	1.1	17.52	0.52	C	0.3	9.73	0.23	A
Stream C-AB	0.4	6.74	0.17	A	1.7	7.02	0.48	A
	Opening Year, +15 (DO SOMETHING)							
Stream B-AC	1.3	20.80	0.56	C	0.3	10.36	0.24	B
Stream C-AB	0.4	6.80	0.19	A	2.4	7.54	0.54	A

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

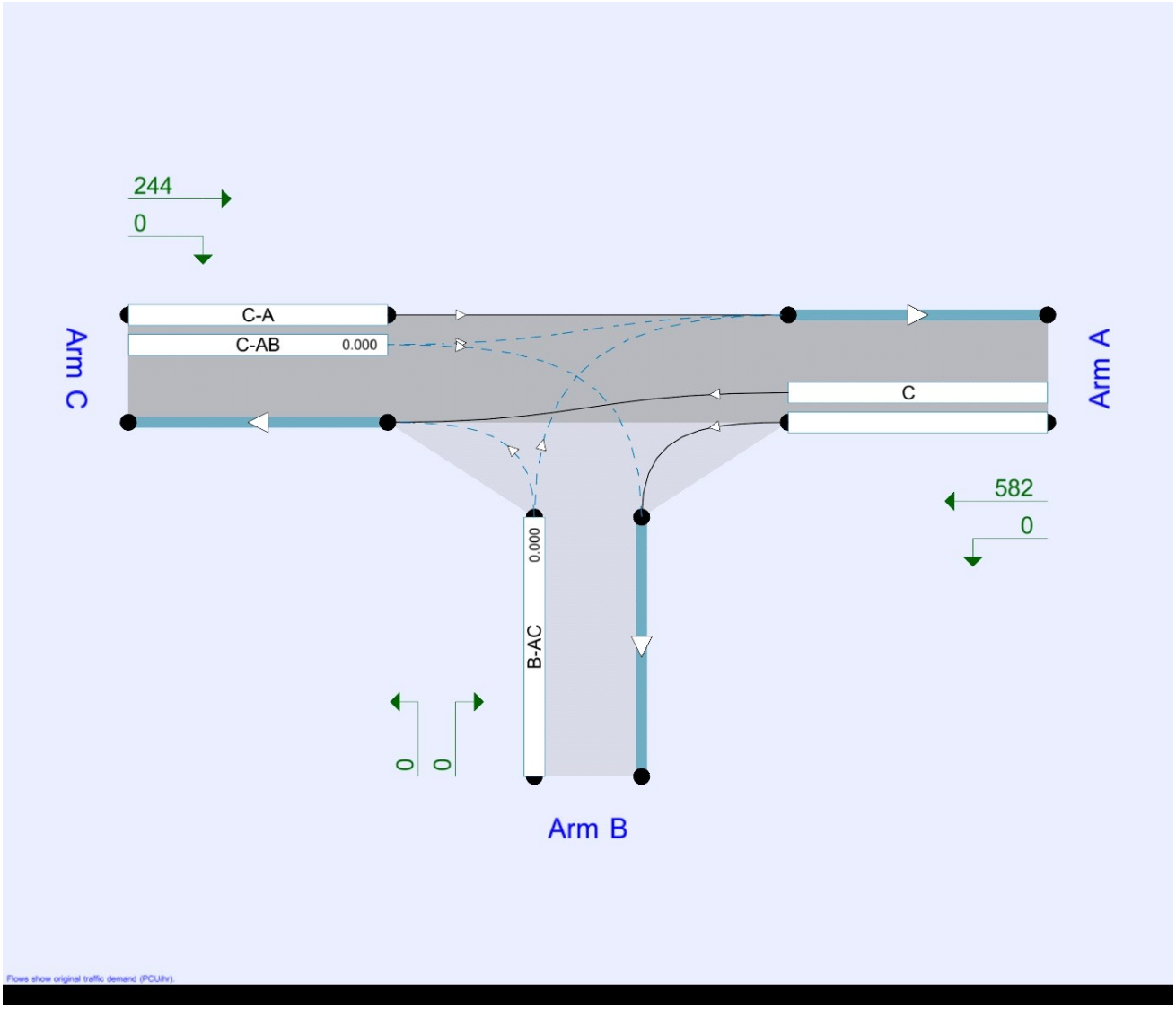
File summary

File Description

Title	Blackrock TTA
Location	Blackrock County Louth
Site number	
Date	19/01/2018
Version	
Status	Planning
Identifier	
Client	Kingsbridge Consultancy Ltd
Jobnumber	5161486
Enumerator	ATKINSMCCARTHY\MCollins
Description	

Units

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



The junction diagram reflects the last run of Junctions.

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	2018	AM	ONE HOUR	07:45	09:15	15
D2	2018	PM	ONE HOUR	16:45	18:15	15
D3	Opening Year (DO NOTHING)	AM	ONE HOUR	07:45	09:15	15
D4	Opening Year (DO NOTHING)	PM	ONE HOUR	16:45	18:15	15
D5	Opening Year, +5 (DO NOTHING)	AM	ONE HOUR	07:45	09:15	15
D6	Opening Year, +5 (DO NOTHING)	PM	ONE HOUR	16:45	18:15	15
D7	Opening Year, +15 (DO NOTHING)	AM	ONE HOUR	07:45	09:15	15
D8	Opening Year, +15 (DO NOTHING)	PM	ONE HOUR	16:45	18:15	15
D9	Opening Year, (DO SOMETHING)	AM	ONE HOUR	07:45	09:15	15
D10	Opening Year, (DO SOMETHING)	PM	ONE HOUR	16:45	18:15	15
D11	Opening Year, +5 (DO SOMETHING)	AM	ONE HOUR	07:45	09:15	15
D12	Opening Year, +5 (DO SOMETHING)	PM	ONE HOUR	16:45	18:15	15
D13	Opening Year, +15 (DO SOMETHING)	AM	ONE HOUR	07:45	09:15	15
D14	Opening Year, +15 (DO SOMETHING)	PM	ONE HOUR	16:45	18:15	15

Analysis Set Details

ID	Network flow scaling factor (%)
A1	100.000

2018, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	0.00	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	R172 North		Major
B	Proposed Dev		Minor
C	R172 South		Major

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)
C	6.00			83.0	✓	0.00

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

Minor Arm Geometry

Arm	Minor arm type	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B	One lane	3.00	65	41

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
10	B-A	519	0.095	0.239	0.150	0.341
10	B-C	650	0.100	0.252	-	-
10	C-B	622	0.241	0.241	-	-

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	2018	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	582	100.000
B		✓	0	100.000
C		✓	244	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	0	582
	B	0	0	0
	C	244	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	3
	B	0	0	0
	C	7	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	438	438
	B	0	0
	C	184	184
08:00-08:15	A	523	523
	B	0	0
	C	219	219
08:15-08:30	A	641	641
	B	0	0
	C	269	269
08:30-08:45	A	641	641
	B	0	0
	C	269	269
08:45-09:00	A	523	523
	B	0	0
	C	219	219
09:00-09:15	A	438	438
	B	0	0
	C	184	184

Results

Results Summary for whole modelled period

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

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	450	0.000	0	0.0	0.000	A
C-AB	0	516	0.000	0	0.0	0.000	A
C-A	184			184			
A-B	0			0			
A-C	438			438			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	425	0.000	0	0.0	0.000	A
C-AB	0	496	0.000	0	0.0	0.000	A
C-A	219			219			
A-B	0			0			
A-C	523			523			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	391	0.000	0	0.0	0.000	A
C-AB	0	468	0.000	0	0.0	0.000	A
C-A	269			269			
A-B	0			0			
A-C	641			641			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	391	0.000	0	0.0	0.000	A
C-AB	0	468	0.000	0	0.0	0.000	A
C-A	269			269			
A-B	0			0			
A-C	641			641			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	425	0.000	0	0.0	0.000	A
C-AB	0	496	0.000	0	0.0	0.000	A
C-A	219			219			
A-B	0			0			
A-C	523			523			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	450	0.000	0	0.0	0.000	A
C-AB	0	516	0.000	0	0.0	0.000	A
C-A	184			184			
A-B	0			0			
A-C	438			438			

2018, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	0.00	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	2018	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	201	100.000
B		✓	0	100.000
C		✓	588	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	0	201
	B	0	0	0
	C	588	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	6
	B	0	0	0
	C	4	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	151	151
	B	0	0
	C	443	443
17:00-17:15	A	181	181
	B	0	0
	C	529	529
17:15-17:30	A	221	221
	B	0	0
	C	647	647
17:30-17:45	A	221	221
	B	0	0
	C	647	647
17:45-18:00	A	181	181
	B	0	0
	C	529	529
18:00-18:15	A	151	151
	B	0	0
	C	443	443

Results

Results Summary for whole modelled period

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

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	495	0.000	0	0.0	0.000	A
C-AB	0	586	0.000	0	0.0	0.000	A
C-A	443			443			
A-B	0			0			
A-C	151			151			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	479	0.000	0	0.0	0.000	A
C-AB	0	578	0.000	0	0.0	0.000	A
C-A	529			529			
A-B	0			0			
A-C	181			181			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	455	0.000	0	0.0	0.000	A
C-AB	0	569	0.000	0	0.0	0.000	A
C-A	647			647			
A-B	0			0			
A-C	221			221			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	455	0.000	0	0.0	0.000	A
C-AB	0	569	0.000	0	0.0	0.000	A
C-A	647			647			
A-B	0			0			
A-C	221			221			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	479	0.000	0	0.0	0.000	A
C-AB	0	578	0.000	0	0.0	0.000	A
C-A	529			529			
A-B	0			0			
A-C	181			181			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	495	0.000	0	0.0	0.000	A
C-AB	0	586	0.000	0	0.0	0.000	A
C-A	443			443			
A-B	0			0			
A-C	151			151			

Opening Year (DO NOTHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	0.00	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	Opening Year (DO NOTHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	598	100.000
B		✓	0	100.000
C		✓	251	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	0	598
	B	0	0	0
	C	251	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	3
	B	0	0	0
	C	7	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	450	450
	B	0	0
	C	189	189
08:00-08:15	A	538	538
	B	0	0
	C	226	226
08:15-08:30	A	658	658
	B	0	0
	C	276	276
08:30-08:45	A	658	658
	B	0	0
	C	276	276
08:45-09:00	A	538	538
	B	0	0
	C	226	226
09:00-09:15	A	450	450
	B	0	0
	C	189	189

Results

Results Summary for whole modelled period

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

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	447	0.000	0	0.0	0.000	A
C-AB	0	514	0.000	0	0.0	0.000	A
C-A	189			189			
A-B	0			0			
A-C	450			450			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	421	0.000	0	0.0	0.000	A
C-AB	0	492	0.000	0	0.0	0.000	A
C-A	226			226			
A-B	0			0			
A-C	538			538			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	385	0.000	0	0.0	0.000	A
C-AB	0	463	0.000	0	0.0	0.000	A
C-A	276			276			
A-B	0			0			
A-C	658			658			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	385	0.000	0	0.0	0.000	A
C-AB	0	463	0.000	0	0.0	0.000	A
C-A	276			276			
A-B	0			0			
A-C	658			658			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	421	0.000	0	0.0	0.000	A
C-AB	0	492	0.000	0	0.0	0.000	A
C-A	226			226			
A-B	0			0			
A-C	538			538			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	447	0.000	0	0.0	0.000	A
C-AB	0	514	0.000	0	0.0	0.000	A
C-A	189			189			
A-B	0			0			
A-C	450			450			

Opening Year (DO NOTHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	0.00	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	Opening Year (DO NOTHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	207	100.000
B		✓	0	100.000
C		✓	604	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	0	207
	B	0	0	0
	C	604	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	6
	B	0	0	0
	C	4	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	156	156
	B	0	0
	C	455	455
17:00-17:15	A	186	186
	B	0	0
	C	543	543
17:15-17:30	A	228	228
	B	0	0
	C	665	665
17:30-17:45	A	228	228
	B	0	0
	C	665	665
17:45-18:00	A	186	186
	B	0	0
	C	543	543
18:00-18:15	A	156	156
	B	0	0
	C	455	455

Results

Results Summary for whole modelled period

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

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	493	0.000	0	0.0	0.000	A
C-AB	0	584	0.000	0	0.0	0.000	A
C-A	455			455			
A-B	0			0			
A-C	156			156			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	476	0.000	0	0.0	0.000	A
C-AB	0	577	0.000	0	0.0	0.000	A
C-A	543			543			
A-B	0			0			
A-C	186			186			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	451	0.000	0	0.0	0.000	A
C-AB	0	567	0.000	0	0.0	0.000	A
C-A	665			665			
A-B	0			0			
A-C	228			228			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	451	0.000	0	0.0	0.000	A
C-AB	0	567	0.000	0	0.0	0.000	A
C-A	665			665			
A-B	0			0			
A-C	228			228			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	476	0.000	0	0.0	0.000	A
C-AB	0	577	0.000	0	0.0	0.000	A
C-A	543			543			
A-B	0			0			
A-C	186			186			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	493	0.000	0	0.0	0.000	A
C-AB	0	584	0.000	0	0.0	0.000	A
C-A	455			455			
A-B	0			0			
A-C	156			156			

Opening Year, +5 (DO NOTHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	0.00	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	Opening Year, +5 (DO NOTHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	598	100.000
B		✓	0	100.000
C		✓	251	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	0	598
	B	0	0	0
	C	251	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	3
	B	0	0	0
	C	7	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	450	450
	B	0	0
	C	189	189
08:00-08:15	A	538	538
	B	0	0
	C	226	226
08:15-08:30	A	658	658
	B	0	0
	C	276	276
08:30-08:45	A	658	658
	B	0	0
	C	276	276
08:45-09:00	A	538	538
	B	0	0
	C	226	226
09:00-09:15	A	450	450
	B	0	0
	C	189	189

Results

Results Summary for whole modelled period

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

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	447	0.000	0	0.0	0.000	A
C-AB	0	514	0.000	0	0.0	0.000	A
C-A	189			189			
A-B	0			0			
A-C	450			450			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	421	0.000	0	0.0	0.000	A
C-AB	0	492	0.000	0	0.0	0.000	A
C-A	226			226			
A-B	0			0			
A-C	538			538			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	385	0.000	0	0.0	0.000	A
C-AB	0	463	0.000	0	0.0	0.000	A
C-A	276			276			
A-B	0			0			
A-C	658			658			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	385	0.000	0	0.0	0.000	A
C-AB	0	463	0.000	0	0.0	0.000	A
C-A	276			276			
A-B	0			0			
A-C	658			658			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	421	0.000	0	0.0	0.000	A
C-AB	0	492	0.000	0	0.0	0.000	A
C-A	226			226			
A-B	0			0			
A-C	538			538			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	447	0.000	0	0.0	0.000	A
C-AB	0	514	0.000	0	0.0	0.000	A
C-A	189			189			
A-B	0			0			
A-C	450			450			

Opening Year, +5 (DO NOTHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	0.00	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	Opening Year, +5 (DO NOTHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	207	100.000
B		✓	0	100.000
C		✓	604	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	0	207
	B	0	0	0
	C	604	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	6
	B	0	0	0
	C	5	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	156	156
	B	0	0
	C	455	455
17:00-17:15	A	186	186
	B	0	0
	C	543	543
17:15-17:30	A	228	228
	B	0	0
	C	665	665
17:30-17:45	A	228	228
	B	0	0
	C	665	665
17:45-18:00	A	186	186
	B	0	0
	C	543	543
18:00-18:15	A	156	156
	B	0	0
	C	455	455

Results

Results Summary for whole modelled period

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

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	493	0.000	0	0.0	0.000	A
C-AB	0	584	0.000	0	0.0	0.000	A
C-A	455			455			
A-B	0			0			
A-C	156			156			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	476	0.000	0	0.0	0.000	A
C-AB	0	577	0.000	0	0.0	0.000	A
C-A	543			543			
A-B	0			0			
A-C	186			186			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	451	0.000	0	0.0	0.000	A
C-AB	0	567	0.000	0	0.0	0.000	A
C-A	665			665			
A-B	0			0			
A-C	228			228			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	451	0.000	0	0.0	0.000	A
C-AB	0	567	0.000	0	0.0	0.000	A
C-A	665			665			
A-B	0			0			
A-C	228			228			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	476	0.000	0	0.0	0.000	A
C-AB	0	577	0.000	0	0.0	0.000	A
C-A	543			543			
A-B	0			0			
A-C	186			186			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	493	0.000	0	0.0	0.000	A
C-AB	0	584	0.000	0	0.0	0.000	A
C-A	455			455			
A-B	0			0			
A-C	156			156			

Opening Year, +15 (DO NOTHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	0.00	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	Opening Year, +15 (DO NOTHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	700	100.000
B		✓	0	100.000
C		✓	296	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	0	700
	B	0	0	0
	C	296	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	4
	B	0	0	0
	C	8	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	527	527
	B	0	0
	C	223	223
08:00-08:15	A	629	629
	B	0	0
	C	266	266
08:15-08:30	A	771	771
	B	0	0
	C	326	326
08:30-08:45	A	771	771
	B	0	0
	C	326	326
08:45-09:00	A	629	629
	B	0	0
	C	266	266
09:00-09:15	A	527	527
	B	0	0
	C	223	223

Results

Results Summary for whole modelled period

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

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	424	0.000	0	0.0	0.000	A
C-AB	0	495	0.000	0	0.0	0.000	A
C-A	223			223			
A-B	0			0			
A-C	527			527			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	394	0.000	0	0.0	0.000	A
C-AB	0	470	0.000	0	0.0	0.000	A
C-A	266			266			
A-B	0			0			
A-C	629			629			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	351	0.000	0	0.0	0.000	A
C-AB	0	436	0.000	0	0.0	0.000	A
C-A	326			326			
A-B	0			0			
A-C	771			771			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	351	0.000	0	0.0	0.000	A
C-AB	0	436	0.000	0	0.0	0.000	A
C-A	326			326			
A-B	0			0			
A-C	771			771			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	394	0.000	0	0.0	0.000	A
C-AB	0	470	0.000	0	0.0	0.000	A
C-A	266			266			
A-B	0			0			
A-C	629			629			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	424	0.000	0	0.0	0.000	A
C-AB	0	495	0.000	0	0.0	0.000	A
C-A	223			223			
A-B	0			0			
A-C	527			527			

Opening Year, +15 (DO NOTHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	0.00	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	Opening Year, +15 (DO NOTHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	243	100.000
B		✓	0	100.000
C		✓	709	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	0	243
	B	0	0	0
	C	709	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	7
	B	0	0	0
	C	5	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	183	183
	B	0	0
	C	534	534
17:00-17:15	A	218	218
	B	0	0
	C	637	637
17:15-17:30	A	268	268
	B	0	0
	C	781	781
17:30-17:45	A	268	268
	B	0	0
	C	781	781
17:45-18:00	A	218	218
	B	0	0
	C	637	637
18:00-18:15	A	183	183
	B	0	0
	C	534	534

Results

Results Summary for whole modelled period

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

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	478	0.000	0	0.0	0.000	A
C-AB	0	578	0.000	0	0.0	0.000	A
C-A	534			534			
A-B	0			0			
A-C	183			183			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	457	0.000	0	0.0	0.000	A
C-AB	0	569	0.000	0	0.0	0.000	A
C-A	637			637			
A-B	0			0			
A-C	218			218			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	428	0.000	0	0.0	0.000	A
C-AB	0	558	0.000	0	0.0	0.000	A
C-A	781			781			
A-B	0			0			
A-C	268			268			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	428	0.000	0	0.0	0.000	A
C-AB	0	558	0.000	0	0.0	0.000	A
C-A	781			781			
A-B	0			0			
A-C	268			268			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	457	0.000	0	0.0	0.000	A
C-AB	0	569	0.000	0	0.0	0.000	A
C-A	637			637			
A-B	0			0			
A-C	218			218			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	478	0.000	0	0.0	0.000	A
C-AB	0	578	0.000	0	0.0	0.000	A
C-A	534			534			
A-B	0			0			
A-C	183			183			

Opening Year, (DO SOMETHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	3.69	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	Opening Year, (DO SOMETHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	619	100.000
B		✓	202	100.000
C		✓	314	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	**B**	**C**
From	**A**	0	20	599
	B	40	0	162
	C	253	61	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	**B**	**C**
From	**A**	0	0	3
	B	0	0	0
	C	7	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	466	466
	B	152	152
	C	236	236
08:00-08:15	A	556	556
	B	182	182
	C	282	282
08:15-08:30	A	682	682
	B	222	222
	C	346	346
08:30-08:45	A	682	682
	B	222	222
	C	346	346
08:45-09:00	A	556	556
	B	182	182
	C	282	282
09:00-09:15	A	466	466
	B	152	152
	C	236	236

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.52	17.52	1.1	C
C-AB	0.17	6.74	0.4	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	152	490	0.310	150	0.4	10.550	B
C-AB	65	646	0.101	64	0.2	6.312	A
C-A	171			171			
A-B	15			15			
A-C	451			451			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	182	464	0.391	181	0.6	12.681	B
C-AB	84	654	0.129	84	0.2	6.458	A
C-A	198			198			
A-B	18			18			
A-C	538			538			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	222	428	0.520	221	1.0	17.258	C
C-AB	116	666	0.174	115	0.4	6.717	A
C-A	230			230			
A-B	22			22			
A-C	660			660			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	222	428	0.520	222	1.1	17.521	C
C-AB	116	666	0.174	116	0.4	6.745	A
C-A	230			230			
A-B	22			22			
A-C	660			660			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	182	464	0.391	183	0.7	12.898	B
C-AB	85	654	0.129	85	0.2	6.509	A
C-A	198			198			
A-B	18			18			
A-C	538			538			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	152	490	0.311	153	0.5	10.714	B
C-AB	65	646	0.101	66	0.2	6.342	A
C-A	171			171			
A-B	15			15			
A-C	451			451			

Opening Year, (DO SOMETHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	3.31	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	Opening Year, (DO SOMETHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	237	100.000
B		✓	99	100.000
C		✓	757	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	29	208
	B	24	0	75
	C	606	151	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	6
	B	0	0	0
	C	4	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	178	178
	B	75	75
	C	570	570
17:00-17:15	A	213	213
	B	89	89
	C	681	681
17:15-17:30	A	261	261
	B	109	109
	C	833	833
17:30-17:45	A	261	261
	B	109	109
	C	833	833
17:45-18:00	A	213	213
	B	89	89
	C	681	681
18:00-18:15	A	178	178
	B	75	75
	C	570	570

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.23	9.73	0.3	A
C-AB	0.48	6.98	1.7	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	75	527	0.141	74	0.2	7.932	A
C-AB	234	888	0.263	231	0.6	5.583	A
C-A	336			336			
A-B	22			22			
A-C	157			157			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	89	508	0.175	89	0.2	8.588	A
C-AB	323	944	0.343	322	0.9	5.932	A
C-A	357			357			
A-B	26			26			
A-C	187			187			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	109	479	0.227	109	0.3	9.699	A
C-AB	485	1021	0.475	482	1.7	6.880	A
C-A	348			348			
A-B	32			32			
A-C	229			229			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	109	479	0.228	109	0.3	9.726	A
C-AB	487	1022	0.477	487	1.7	6.979	A
C-A	346			346			
A-B	32			32			
A-C	229			229			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	89	507	0.175	89	0.2	8.617	A
C-AB	325	946	0.344	328	1.0	6.043	A
C-A	355			355			
A-B	26			26			
A-C	187			187			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	75	527	0.142	75	0.2	7.970	A
C-AB	236	890	0.265	237	0.6	5.666	A
C-A	334			334			
A-B	22			22			
A-C	157			157			

Opening Year, +5 (DO SOMETHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	3.69	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D11	Opening Year, +5 (DO SOMETHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	619	100.000
B		✓	202	100.000
C		✓	314	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	20	599
	B	40	0	162
	C	253	61	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	3
	B	0	0	0
	C	7	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	466	466
	B	152	152
	C	236	236
08:00-08:15	A	556	556
	B	182	182
	C	282	282
08:15-08:30	A	682	682
	B	222	222
	C	346	346
08:30-08:45	A	682	682
	B	222	222
	C	346	346
08:45-09:00	A	556	556
	B	182	182
	C	282	282
09:00-09:15	A	466	466
	B	152	152
	C	236	236

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.52	17.52	1.1	C
C-AB	0.17	6.74	0.4	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	152	490	0.310	150	0.4	10.550	B
C-AB	65	646	0.101	64	0.2	6.312	A
C-A	171			171			
A-B	15			15			
A-C	451			451			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	182	464	0.391	181	0.6	12.681	B
C-AB	84	654	0.129	84	0.2	6.458	A
C-A	198			198			
A-B	18			18			
A-C	538			538			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	222	428	0.520	221	1.0	17.258	C
C-AB	116	666	0.174	115	0.4	6.717	A
C-A	230			230			
A-B	22			22			
A-C	660			660			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	222	428	0.520	222	1.1	17.521	C
C-AB	116	666	0.174	116	0.4	6.745	A
C-A	230			230			
A-B	22			22			
A-C	660			660			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	182	464	0.391	183	0.7	12.898	B
C-AB	85	654	0.129	85	0.2	6.509	A
C-A	198			198			
A-B	18			18			
A-C	538			538			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	152	490	0.311	153	0.5	10.714	B
C-AB	65	646	0.101	66	0.2	6.342	A
C-A	171			171			
A-B	15			15			
A-C	451			451			

Opening Year, +5 (DO SOMETHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

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

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D12	Opening Year, +5 (DO SOMETHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	237	100.000
B		✓	99	100.000
C		✓	757	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	29	208
	B	24	0	75
	C	606	151	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	6
	B	0	0	0
	C	5	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	178	178
	B	75	75
	C	570	570
17:00-17:15	A	213	213
	B	89	89
	C	681	681
17:15-17:30	A	261	261
	B	109	109
	C	833	833
17:30-17:45	A	261	261
	B	109	109
	C	833	833
17:45-18:00	A	213	213
	B	89	89
	C	681	681
18:00-18:15	A	178	178
	B	75	75
	C	570	570

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.23	9.73	0.3	A
C-AB	0.48	7.02	1.7	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	75	527	0.141	74	0.2	7.932	A
C-AB	234	888	0.263	231	0.6	5.610	A
C-A	336			336			
A-B	22			22			
A-C	157			157			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	89	508	0.175	89	0.2	8.588	A
C-AB	323	944	0.343	322	0.9	5.964	A
C-A	357			357			
A-B	26			26			
A-C	187			187			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	109	479	0.227	109	0.3	9.699	A
C-AB	485	1021	0.475	482	1.7	6.919	A
C-A	348			348			
A-B	32			32			
A-C	229			229			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	109	479	0.228	109	0.3	9.726	A
C-AB	487	1022	0.477	487	1.7	7.023	A
C-A	346			346			
A-B	32			32			
A-C	229			229			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	89	507	0.175	89	0.2	8.619	A
C-AB	325	946	0.344	328	1.0	6.078	A
C-A	355			355			
A-B	26			26			
A-C	187			187			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	75	527	0.142	75	0.2	7.969	A
C-AB	236	890	0.265	237	0.6	5.697	A
C-A	334			334			
A-B	22			22			
A-C	157			157			

Opening Year, +15 (DO SOMETHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	3.84	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	Opening Year, +15 (DO SOMETHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	721	100.000
B		✓	202	100.000
C		✓	359	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	20	701
	B	40	0	162
	C	298	61	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	4
	B	0	0	0
	C	8	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	543	543
	B	152	152
	C	270	270
08:00-08:15	A	648	648
	B	182	182
	C	323	323
08:15-08:30	A	794	794
	B	222	222
	C	395	395
08:30-08:45	A	794	794
	B	222	222
	C	395	395
08:45-09:00	A	648	648
	B	182	182
	C	323	323
09:00-09:15	A	543	543
	B	152	152
	C	270	270

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.56	20.80	1.3	C
C-AB	0.19	6.80	0.4	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	152	468	0.325	150	0.5	11.249	B
C-AB	70	654	0.107	69	0.2	6.309	A
C-A	200			200			
A-B	15			15			
A-C	528			528			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	182	438	0.415	181	0.7	13.941	B
C-AB	92	665	0.139	92	0.3	6.470	A
C-A	230			230			
A-B	18			18			
A-C	630			630			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	222	395	0.563	220	1.2	20.339	C
C-AB	130	681	0.192	130	0.4	6.766	A
C-A	265			265			
A-B	22			22			
A-C	772			772			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	222	395	0.563	222	1.3	20.803	C
C-AB	131	681	0.192	131	0.4	6.804	A
C-A	265			265			
A-B	22			22			
A-C	772			772			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	182	438	0.415	184	0.7	14.277	B
C-AB	93	665	0.139	93	0.3	6.533	A
C-A	230			230			
A-B	18			18			
A-C	630			630			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	152	468	0.325	153	0.5	11.455	B
C-AB	70	655	0.107	71	0.2	6.356	A
C-A	200			200			
A-B	15			15			
A-C	528			528			

Opening Year, +15 (DO SOMETHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	3.58	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	Opening Year, +15 (DO SOMETHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	274	100.000
B		✓	99	100.000
C		✓	862	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	29	245
	B	24	0	75
	C	711	151	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	7
	B	0	0	0
	C	5	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	206	206
	B	75	75
	C	649	649
17:00-17:15	A	246	246
	B	89	89
	C	775	775
17:15-17:30	A	302	302
	B	109	109
	C	949	949
17:30-17:45	A	302	302
	B	109	109
	C	949	949
17:45-18:00	A	246	246
	B	89	89
	C	775	775
18:00-18:15	A	206	206
	B	75	75
	C	649	649

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.24	10.36	0.3	B
C-AB	0.54	7.54	2.4	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	75	514	0.145	74	0.2	8.169	A
C-AB	265	937	0.283	262	0.7	5.477	A
C-A	384			384			
A-B	22			22			
A-C	184			184			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	89	491	0.181	89	0.2	8.942	A
C-AB	377	1003	0.376	376	1.2	5.927	A
C-A	398			398			
A-B	26			26			
A-C	220			220			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	109	457	0.238	109	0.3	10.318	B
C-AB	591	1095	0.540	586	2.3	7.359	A
C-A	358			358			
A-B	32			32			
A-C	270			270			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	109	457	0.239	109	0.3	10.356	B
C-AB	595	1098	0.542	595	2.4	7.538	A
C-A	354			354			
A-B	32			32			
A-C	270			270			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	89	490	0.181	89	0.2	8.983	A
C-AB	381	1007	0.378	386	1.2	6.091	A
C-A	394			394			
A-B	26			26			
A-C	220			220			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	75	513	0.145	75	0.2	8.213	A
C-AB	268	940	0.285	270	0.8	5.577	A
C-A	381			381			
A-B	22			22			
A-C	184			184			

Junctions 9

PICADY 9 - Priority Intersection Module

Version: 9.0.1.4646 []

For sales and distribution information, program advice and maintenance, contact TRL:
Tel: +44 (0)1344 770758 email: software@trl.co.uk Web: http://www.trlsoftware.co.uk

Filename: 1486_Junction10_DevAccess1.j9
Path: U:\5161486\7 Calcs\72Model
Report generation date: 04/12/2018 12:11:20

Summary of junction performance

	AM				PM			
	Queue (PCU)	Delay (s)	RFC	LOS	Queue (PCU)	Delay (s)	RFC	LOS
	2018							
Stream B-AC	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Stream C-AB	0.0	0.00	0.00	A	0.0	0.00	0.00	A
	Opening Year (DO NOTHING)							
Stream B-AC	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Stream C-AB	0.0	0.00	0.00	A	0.0	0.00	0.00	A
	Opening Year, +5 (DO NOTHING)							
Stream B-AC	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Stream C-AB	0.0	0.00	0.00	A	0.0	0.00	0.00	A
	Opening Year, +15 (DO NOTHING)							
Stream B-AC	0.0	0.00	0.00	A	0.0	0.00	0.00	A
Stream C-AB	0.0	0.00	0.00	A	0.0	0.00	0.00	A
	Opening Year, (DO SOMETHING)							
Stream B-AC	1.1	17.52	0.52	C	0.3	9.73	0.23	A
Stream C-AB	0.4	6.74	0.17	A	1.7	6.98	0.48	A
	Opening Year, +5 (DO SOMETHING)							
Stream B-AC	1.1	17.52	0.52	C	0.3	9.73	0.23	A
Stream C-AB	0.4	6.74	0.17	A	1.7	7.02	0.48	A
	Opening Year, +15 (DO SOMETHING)							
Stream B-AC	1.3	20.80	0.56	C	0.3	10.36	0.24	B
Stream C-AB	0.4	6.80	0.19	A	2.4	7.54	0.54	A

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

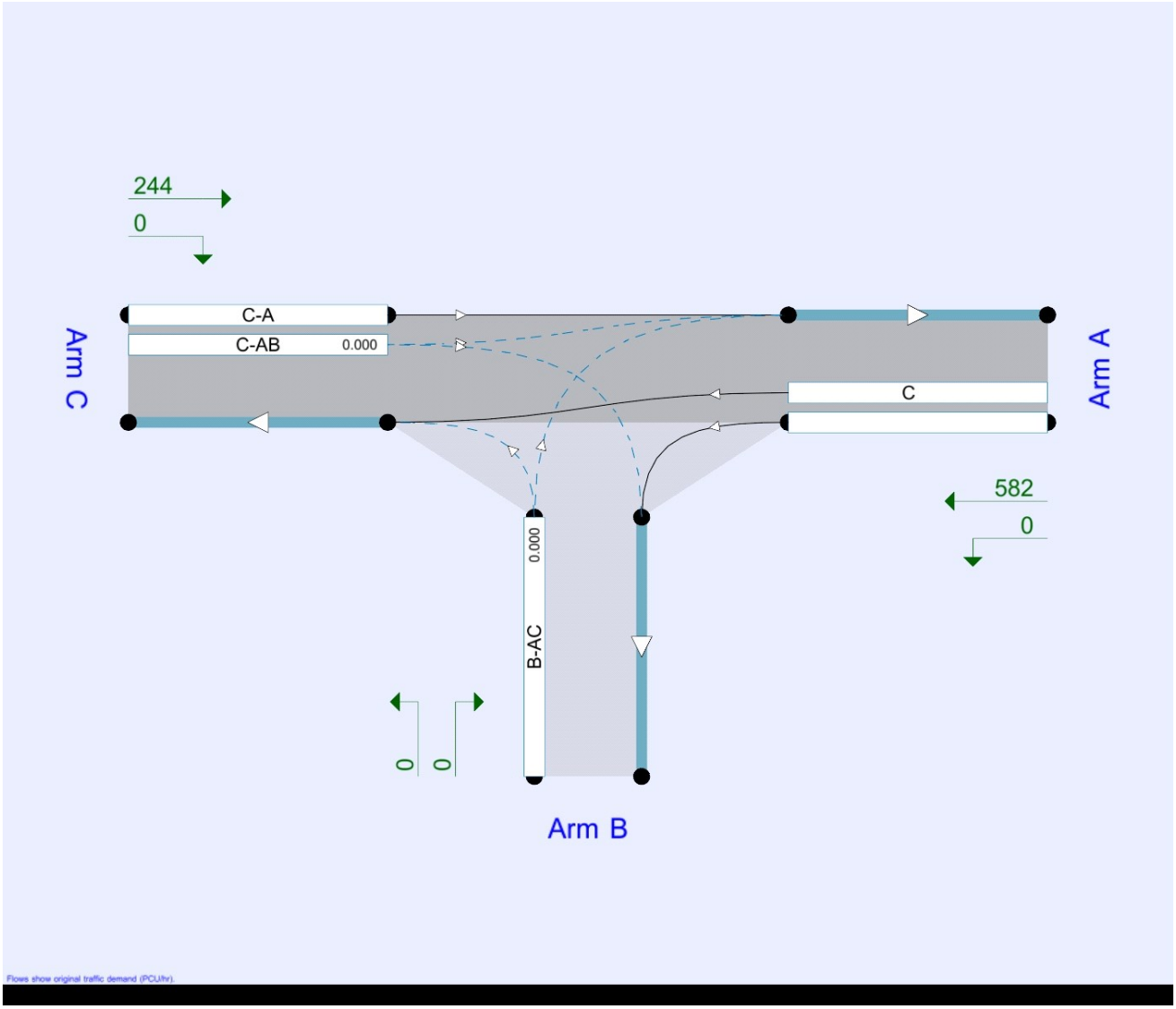
File summary

File Description

Title	Blackrock TTA
Location	Blackrock County Louth
Site number	
Date	19/01/2018
Version	
Status	Planning
Identifier	
Client	Kingsbridge Consultancy Ltd
Jobnumber	5161486
Enumerator	ATKINSMCCARTHY\MCollins
Description	

Units

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



The junction diagram reflects the last run of Junctions.

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	2018	AM	ONE HOUR	07:45	09:15	15
D2	2018	PM	ONE HOUR	16:45	18:15	15
D3	Opening Year (DO NOTHING)	AM	ONE HOUR	07:45	09:15	15
D4	Opening Year (DO NOTHING)	PM	ONE HOUR	16:45	18:15	15
D5	Opening Year, +5 (DO NOTHING)	AM	ONE HOUR	07:45	09:15	15
D6	Opening Year, +5 (DO NOTHING)	PM	ONE HOUR	16:45	18:15	15
D7	Opening Year, +15 (DO NOTHING)	AM	ONE HOUR	07:45	09:15	15
D8	Opening Year, +15 (DO NOTHING)	PM	ONE HOUR	16:45	18:15	15
D9	Opening Year, (DO SOMETHING)	AM	ONE HOUR	07:45	09:15	15
D10	Opening Year, (DO SOMETHING)	PM	ONE HOUR	16:45	18:15	15
D11	Opening Year, +5 (DO SOMETHING)	AM	ONE HOUR	07:45	09:15	15
D12	Opening Year, +5 (DO SOMETHING)	PM	ONE HOUR	16:45	18:15	15
D13	Opening Year, +15 (DO SOMETHING)	AM	ONE HOUR	07:45	09:15	15
D14	Opening Year, +15 (DO SOMETHING)	PM	ONE HOUR	16:45	18:15	15

Analysis Set Details

ID	Network flow scaling factor (%)
A1	100.000

2018, AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	0.00	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	R172 North		Major
B	Proposed Dev		Minor
C	R172 South		Major

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)
C	6.00			83.0	✓	0.00

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

Minor Arm Geometry

Arm	Minor arm type	Lane width (m)	Visibility to left (m)	Visibility to right (m)
B	One lane	3.00	65	41

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
10	B-A	519	0.095	0.239	0.150	0.341
10	B-C	650	0.100	0.252	-	-
10	C-B	622	0.241	0.241	-	-

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	2018	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	582	100.000
B		✓	0	100.000
C		✓	244	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	0	582
	B	0	0	0
	C	244	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	3
	B	0	0	0
	C	7	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	438	438
	B	0	0
	C	184	184
08:00-08:15	A	523	523
	B	0	0
	C	219	219
08:15-08:30	A	641	641
	B	0	0
	C	269	269
08:30-08:45	A	641	641
	B	0	0
	C	269	269
08:45-09:00	A	523	523
	B	0	0
	C	219	219
09:00-09:15	A	438	438
	B	0	0
	C	184	184

Results

Results Summary for whole modelled period

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

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	450	0.000	0	0.0	0.000	A
C-AB	0	516	0.000	0	0.0	0.000	A
C-A	184			184			
A-B	0			0			
A-C	438			438			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	425	0.000	0	0.0	0.000	A
C-AB	0	496	0.000	0	0.0	0.000	A
C-A	219			219			
A-B	0			0			
A-C	523			523			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	391	0.000	0	0.0	0.000	A
C-AB	0	468	0.000	0	0.0	0.000	A
C-A	269			269			
A-B	0			0			
A-C	641			641			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	391	0.000	0	0.0	0.000	A
C-AB	0	468	0.000	0	0.0	0.000	A
C-A	269			269			
A-B	0			0			
A-C	641			641			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	425	0.000	0	0.0	0.000	A
C-AB	0	496	0.000	0	0.0	0.000	A
C-A	219			219			
A-B	0			0			
A-C	523			523			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	450	0.000	0	0.0	0.000	A
C-AB	0	516	0.000	0	0.0	0.000	A
C-A	184			184			
A-B	0			0			
A-C	438			438			

2018, PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	0.00	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	2018	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	201	100.000
B		✓	0	100.000
C		✓	588	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	0	201
	B	0	0	0
	C	588	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	6
	B	0	0	0
	C	4	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	151	151
	B	0	0
	C	443	443
17:00-17:15	A	181	181
	B	0	0
	C	529	529
17:15-17:30	A	221	221
	B	0	0
	C	647	647
17:30-17:45	A	221	221
	B	0	0
	C	647	647
17:45-18:00	A	181	181
	B	0	0
	C	529	529
18:00-18:15	A	151	151
	B	0	0
	C	443	443

Results

Results Summary for whole modelled period

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

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	495	0.000	0	0.0	0.000	A
C-AB	0	586	0.000	0	0.0	0.000	A
C-A	443			443			
A-B	0			0			
A-C	151			151			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	479	0.000	0	0.0	0.000	A
C-AB	0	578	0.000	0	0.0	0.000	A
C-A	529			529			
A-B	0			0			
A-C	181			181			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	455	0.000	0	0.0	0.000	A
C-AB	0	569	0.000	0	0.0	0.000	A
C-A	647			647			
A-B	0			0			
A-C	221			221			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	455	0.000	0	0.0	0.000	A
C-AB	0	569	0.000	0	0.0	0.000	A
C-A	647			647			
A-B	0			0			
A-C	221			221			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	479	0.000	0	0.0	0.000	A
C-AB	0	578	0.000	0	0.0	0.000	A
C-A	529			529			
A-B	0			0			
A-C	181			181			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	495	0.000	0	0.0	0.000	A
C-AB	0	586	0.000	0	0.0	0.000	A
C-A	443			443			
A-B	0			0			
A-C	151			151			

Opening Year (DO NOTHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	0.00	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	Opening Year (DO NOTHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	598	100.000
B		✓	0	100.000
C		✓	251	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	0	598
	B	0	0	0
	C	251	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	3
	B	0	0	0
	C	7	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	450	450
	B	0	0
	C	189	189
08:00-08:15	A	538	538
	B	0	0
	C	226	226
08:15-08:30	A	658	658
	B	0	0
	C	276	276
08:30-08:45	A	658	658
	B	0	0
	C	276	276
08:45-09:00	A	538	538
	B	0	0
	C	226	226
09:00-09:15	A	450	450
	B	0	0
	C	189	189

Results

Results Summary for whole modelled period

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

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	447	0.000	0	0.0	0.000	A
C-AB	0	514	0.000	0	0.0	0.000	A
C-A	189			189			
A-B	0			0			
A-C	450			450			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	421	0.000	0	0.0	0.000	A
C-AB	0	492	0.000	0	0.0	0.000	A
C-A	226			226			
A-B	0			0			
A-C	538			538			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	385	0.000	0	0.0	0.000	A
C-AB	0	463	0.000	0	0.0	0.000	A
C-A	276			276			
A-B	0			0			
A-C	658			658			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	385	0.000	0	0.0	0.000	A
C-AB	0	463	0.000	0	0.0	0.000	A
C-A	276			276			
A-B	0			0			
A-C	658			658			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	421	0.000	0	0.0	0.000	A
C-AB	0	492	0.000	0	0.0	0.000	A
C-A	226			226			
A-B	0			0			
A-C	538			538			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	447	0.000	0	0.0	0.000	A
C-AB	0	514	0.000	0	0.0	0.000	A
C-A	189			189			
A-B	0			0			
A-C	450			450			

Opening Year (DO NOTHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	0.00	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	Opening Year (DO NOTHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	207	100.000
B		✓	0	100.000
C		✓	604	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	0	207
	B	0	0	0
	C	604	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	6
	B	0	0	0
	C	4	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	156	156
	B	0	0
	C	455	455
17:00-17:15	A	186	186
	B	0	0
	C	543	543
17:15-17:30	A	228	228
	B	0	0
	C	665	665
17:30-17:45	A	228	228
	B	0	0
	C	665	665
17:45-18:00	A	186	186
	B	0	0
	C	543	543
18:00-18:15	A	156	156
	B	0	0
	C	455	455

Results

Results Summary for whole modelled period

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

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	493	0.000	0	0.0	0.000	A
C-AB	0	584	0.000	0	0.0	0.000	A
C-A	455			455			
A-B	0			0			
A-C	156			156			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	476	0.000	0	0.0	0.000	A
C-AB	0	577	0.000	0	0.0	0.000	A
C-A	543			543			
A-B	0			0			
A-C	186			186			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	451	0.000	0	0.0	0.000	A
C-AB	0	567	0.000	0	0.0	0.000	A
C-A	665			665			
A-B	0			0			
A-C	228			228			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	451	0.000	0	0.0	0.000	A
C-AB	0	567	0.000	0	0.0	0.000	A
C-A	665			665			
A-B	0			0			
A-C	228			228			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	476	0.000	0	0.0	0.000	A
C-AB	0	577	0.000	0	0.0	0.000	A
C-A	543			543			
A-B	0			0			
A-C	186			186			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	493	0.000	0	0.0	0.000	A
C-AB	0	584	0.000	0	0.0	0.000	A
C-A	455			455			
A-B	0			0			
A-C	156			156			

Opening Year, +5 (DO NOTHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	0.00	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	Opening Year, +5 (DO NOTHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	598	100.000
B		✓	0	100.000
C		✓	251	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	0	598
	B	0	0	0
	C	251	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	3
	B	0	0	0
	C	7	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	450	450
	B	0	0
	C	189	189
08:00-08:15	A	538	538
	B	0	0
	C	226	226
08:15-08:30	A	658	658
	B	0	0
	C	276	276
08:30-08:45	A	658	658
	B	0	0
	C	276	276
08:45-09:00	A	538	538
	B	0	0
	C	226	226
09:00-09:15	A	450	450
	B	0	0
	C	189	189

Results

Results Summary for whole modelled period

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

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	447	0.000	0	0.0	0.000	A
C-AB	0	514	0.000	0	0.0	0.000	A
C-A	189			189			
A-B	0			0			
A-C	450			450			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	421	0.000	0	0.0	0.000	A
C-AB	0	492	0.000	0	0.0	0.000	A
C-A	226			226			
A-B	0			0			
A-C	538			538			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	385	0.000	0	0.0	0.000	A
C-AB	0	463	0.000	0	0.0	0.000	A
C-A	276			276			
A-B	0			0			
A-C	658			658			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	385	0.000	0	0.0	0.000	A
C-AB	0	463	0.000	0	0.0	0.000	A
C-A	276			276			
A-B	0			0			
A-C	658			658			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	421	0.000	0	0.0	0.000	A
C-AB	0	492	0.000	0	0.0	0.000	A
C-A	226			226			
A-B	0			0			
A-C	538			538			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	447	0.000	0	0.0	0.000	A
C-AB	0	514	0.000	0	0.0	0.000	A
C-A	189			189			
A-B	0			0			
A-C	450			450			

Opening Year, +5 (DO NOTHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	0.00	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	Opening Year, +5 (DO NOTHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	207	100.000
B		✓	0	100.000
C		✓	604	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	0	207
	B	0	0	0
	C	604	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	6
	B	0	0	0
	C	5	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	156	156
	B	0	0
	C	455	455
17:00-17:15	A	186	186
	B	0	0
	C	543	543
17:15-17:30	A	228	228
	B	0	0
	C	665	665
17:30-17:45	A	228	228
	B	0	0
	C	665	665
17:45-18:00	A	186	186
	B	0	0
	C	543	543
18:00-18:15	A	156	156
	B	0	0
	C	455	455

Results

Results Summary for whole modelled period

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

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	493	0.000	0	0.0	0.000	A
C-AB	0	584	0.000	0	0.0	0.000	A
C-A	455			455			
A-B	0			0			
A-C	156			156			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	476	0.000	0	0.0	0.000	A
C-AB	0	577	0.000	0	0.0	0.000	A
C-A	543			543			
A-B	0			0			
A-C	186			186			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	451	0.000	0	0.0	0.000	A
C-AB	0	567	0.000	0	0.0	0.000	A
C-A	665			665			
A-B	0			0			
A-C	228			228			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	451	0.000	0	0.0	0.000	A
C-AB	0	567	0.000	0	0.0	0.000	A
C-A	665			665			
A-B	0			0			
A-C	228			228			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	476	0.000	0	0.0	0.000	A
C-AB	0	577	0.000	0	0.0	0.000	A
C-A	543			543			
A-B	0			0			
A-C	186			186			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	493	0.000	0	0.0	0.000	A
C-AB	0	584	0.000	0	0.0	0.000	A
C-A	455			455			
A-B	0			0			
A-C	156			156			

Opening Year, +15 (DO NOTHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	0.00	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	Opening Year, +15 (DO NOTHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	700	100.000
B		✓	0	100.000
C		✓	296	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	0	700
	B	0	0	0
	C	296	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	4
	B	0	0	0
	C	8	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	527	527
	B	0	0
	C	223	223
08:00-08:15	A	629	629
	B	0	0
	C	266	266
08:15-08:30	A	771	771
	B	0	0
	C	326	326
08:30-08:45	A	771	771
	B	0	0
	C	326	326
08:45-09:00	A	629	629
	B	0	0
	C	266	266
09:00-09:15	A	527	527
	B	0	0
	C	223	223

Results

Results Summary for whole modelled period

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

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	424	0.000	0	0.0	0.000	A
C-AB	0	495	0.000	0	0.0	0.000	A
C-A	223			223			
A-B	0			0			
A-C	527			527			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	394	0.000	0	0.0	0.000	A
C-AB	0	470	0.000	0	0.0	0.000	A
C-A	266			266			
A-B	0			0			
A-C	629			629			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	351	0.000	0	0.0	0.000	A
C-AB	0	436	0.000	0	0.0	0.000	A
C-A	326			326			
A-B	0			0			
A-C	771			771			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	351	0.000	0	0.0	0.000	A
C-AB	0	436	0.000	0	0.0	0.000	A
C-A	326			326			
A-B	0			0			
A-C	771			771			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	394	0.000	0	0.0	0.000	A
C-AB	0	470	0.000	0	0.0	0.000	A
C-A	266			266			
A-B	0			0			
A-C	629			629			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	424	0.000	0	0.0	0.000	A
C-AB	0	495	0.000	0	0.0	0.000	A
C-A	223			223			
A-B	0			0			
A-C	527			527			

Opening Year, +15 (DO NOTHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	0.00	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	Opening Year, +15 (DO NOTHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	243	100.000
B		✓	0	100.000
C		✓	709	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	0	243
	B	0	0	0
	C	709	0	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	7
	B	0	0	0
	C	5	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	183	183
	B	0	0
	C	534	534
17:00-17:15	A	218	218
	B	0	0
	C	637	637
17:15-17:30	A	268	268
	B	0	0
	C	781	781
17:30-17:45	A	268	268
	B	0	0
	C	781	781
17:45-18:00	A	218	218
	B	0	0
	C	637	637
18:00-18:15	A	183	183
	B	0	0
	C	534	534

Results

Results Summary for whole modelled period

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

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	478	0.000	0	0.0	0.000	A
C-AB	0	578	0.000	0	0.0	0.000	A
C-A	534			534			
A-B	0			0			
A-C	183			183			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	457	0.000	0	0.0	0.000	A
C-AB	0	569	0.000	0	0.0	0.000	A
C-A	637			637			
A-B	0			0			
A-C	218			218			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	428	0.000	0	0.0	0.000	A
C-AB	0	558	0.000	0	0.0	0.000	A
C-A	781			781			
A-B	0			0			
A-C	268			268			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	428	0.000	0	0.0	0.000	A
C-AB	0	558	0.000	0	0.0	0.000	A
C-A	781			781			
A-B	0			0			
A-C	268			268			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	457	0.000	0	0.0	0.000	A
C-AB	0	569	0.000	0	0.0	0.000	A
C-A	637			637			
A-B	0			0			
A-C	218			218			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	0	478	0.000	0	0.0	0.000	A
C-AB	0	578	0.000	0	0.0	0.000	A
C-A	534			534			
A-B	0			0			
A-C	183			183			

Opening Year, (DO SOMETHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	3.69	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	Opening Year, (DO SOMETHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	619	100.000
B		✓	202	100.000
C		✓	314	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	**B**	**C**
From	**A**	0	20	599
	B	40	0	162
	C	253	61	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	**B**	**C**
From	**A**	0	0	3
	B	0	0	0
	C	7	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	466	466
	B	152	152
	C	236	236
08:00-08:15	A	556	556
	B	182	182
	C	282	282
08:15-08:30	A	682	682
	B	222	222
	C	346	346
08:30-08:45	A	682	682
	B	222	222
	C	346	346
08:45-09:00	A	556	556
	B	182	182
	C	282	282
09:00-09:15	A	466	466
	B	152	152
	C	236	236

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.52	17.52	1.1	C
C-AB	0.17	6.74	0.4	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	152	490	0.310	150	0.4	10.550	B
C-AB	65	646	0.101	64	0.2	6.312	A
C-A	171			171			
A-B	15			15			
A-C	451			451			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	182	464	0.391	181	0.6	12.681	B
C-AB	84	654	0.129	84	0.2	6.458	A
C-A	198			198			
A-B	18			18			
A-C	538			538			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	222	428	0.520	221	1.0	17.258	C
C-AB	116	666	0.174	115	0.4	6.717	A
C-A	230			230			
A-B	22			22			
A-C	660			660			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	222	428	0.520	222	1.1	17.521	C
C-AB	116	666	0.174	116	0.4	6.745	A
C-A	230			230			
A-B	22			22			
A-C	660			660			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	182	464	0.391	183	0.7	12.898	B
C-AB	85	654	0.129	85	0.2	6.509	A
C-A	198			198			
A-B	18			18			
A-C	538			538			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	152	490	0.311	153	0.5	10.714	B
C-AB	65	646	0.101	66	0.2	6.342	A
C-A	171			171			
A-B	15			15			
A-C	451			451			

Opening Year, (DO SOMETHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	3.31	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	Opening Year, (DO SOMETHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	237	100.000
B		✓	99	100.000
C		✓	757	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	29	208
	B	24	0	75
	C	606	151	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	6
	B	0	0	0
	C	4	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	178	178
	B	75	75
	C	570	570
17:00-17:15	A	213	213
	B	89	89
	C	681	681
17:15-17:30	A	261	261
	B	109	109
	C	833	833
17:30-17:45	A	261	261
	B	109	109
	C	833	833
17:45-18:00	A	213	213
	B	89	89
	C	681	681
18:00-18:15	A	178	178
	B	75	75
	C	570	570

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.23	9.73	0.3	A
C-AB	0.48	6.98	1.7	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	75	527	0.141	74	0.2	7.932	A
C-AB	234	888	0.263	231	0.6	5.583	A
C-A	336			336			
A-B	22			22			
A-C	157			157			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	89	508	0.175	89	0.2	8.588	A
C-AB	323	944	0.343	322	0.9	5.932	A
C-A	357			357			
A-B	26			26			
A-C	187			187			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	109	479	0.227	109	0.3	9.699	A
C-AB	485	1021	0.475	482	1.7	6.880	A
C-A	348			348			
A-B	32			32			
A-C	229			229			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	109	479	0.228	109	0.3	9.726	A
C-AB	487	1022	0.477	487	1.7	6.979	A
C-A	346			346			
A-B	32			32			
A-C	229			229			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	89	507	0.175	89	0.2	8.617	A
C-AB	325	946	0.344	328	1.0	6.043	A
C-A	355			355			
A-B	26			26			
A-C	187			187			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	75	527	0.142	75	0.2	7.970	A
C-AB	236	890	0.265	237	0.6	5.666	A
C-A	334			334			
A-B	22			22			
A-C	157			157			

Opening Year, +5 (DO SOMETHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	3.69	A

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D11	Opening Year, +5 (DO SOMETHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	619	100.000
B		✓	202	100.000
C		✓	314	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	20	599
	B	40	0	162
	C	253	61	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	3
	B	0	0	0
	C	7	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	466	466
	B	152	152
	C	236	236
08:00-08:15	A	556	556
	B	182	182
	C	282	282
08:15-08:30	A	682	682
	B	222	222
	C	346	346
08:30-08:45	A	682	682
	B	222	222
	C	346	346
08:45-09:00	A	556	556
	B	182	182
	C	282	282
09:00-09:15	A	466	466
	B	152	152
	C	236	236

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.52	17.52	1.1	C
C-AB	0.17	6.74	0.4	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	152	490	0.310	150	0.4	10.550	B
C-AB	65	646	0.101	64	0.2	6.312	A
C-A	171			171			
A-B	15			15			
A-C	451			451			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	182	464	0.391	181	0.6	12.681	B
C-AB	84	654	0.129	84	0.2	6.458	A
C-A	198			198			
A-B	18			18			
A-C	538			538			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	222	428	0.520	221	1.0	17.258	C
C-AB	116	666	0.174	115	0.4	6.717	A
C-A	230			230			
A-B	22			22			
A-C	660			660			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	222	428	0.520	222	1.1	17.521	C
C-AB	116	666	0.174	116	0.4	6.745	A
C-A	230			230			
A-B	22			22			
A-C	660			660			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	182	464	0.391	183	0.7	12.898	B
C-AB	85	654	0.129	85	0.2	6.509	A
C-A	198			198			
A-B	18			18			
A-C	538			538			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	152	490	0.311	153	0.5	10.714	B
C-AB	65	646	0.101	66	0.2	6.342	A
C-A	171			171			
A-B	15			15			
A-C	451			451			

Opening Year, +5 (DO SOMETHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

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

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Traffic Demand

Demand Set Details

ID	Scenario name	Time Period name	Traffic profile type	Start time (HH:mm)	Finish time (HH:mm)	Time segment length (min)
D12	Opening Year, +5 (DO SOMETHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	237	100.000
B		✓	99	100.000
C		✓	757	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	29	208
	B	24	0	75
	C	606	151	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	6
	B	0	0	0
	C	5	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	178	178
	B	75	75
	C	570	570
17:00-17:15	A	213	213
	B	89	89
	C	681	681
17:15-17:30	A	261	261
	B	109	109
	C	833	833
17:30-17:45	A	261	261
	B	109	109
	C	833	833
17:45-18:00	A	213	213
	B	89	89
	C	681	681
18:00-18:15	A	178	178
	B	75	75
	C	570	570

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.23	9.73	0.3	A
C-AB	0.48	7.02	1.7	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	75	527	0.141	74	0.2	7.932	A
C-AB	234	888	0.263	231	0.6	5.610	A
C-A	336			336			
A-B	22			22			
A-C	157			157			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	89	508	0.175	89	0.2	8.588	A
C-AB	323	944	0.343	322	0.9	5.964	A
C-A	357			357			
A-B	26			26			
A-C	187			187			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	109	479	0.227	109	0.3	9.699	A
C-AB	485	1021	0.475	482	1.7	6.919	A
C-A	348			348			
A-B	32			32			
A-C	229			229			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	109	479	0.228	109	0.3	9.726	A
C-AB	487	1022	0.477	487	1.7	7.023	A
C-A	346			346			
A-B	32			32			
A-C	229			229			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	89	507	0.175	89	0.2	8.619	A
C-AB	325	946	0.344	328	1.0	6.078	A
C-A	355			355			
A-B	26			26			
A-C	187			187			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	75	527	0.142	75	0.2	7.969	A
C-AB	236	890	0.265	237	0.6	5.697	A
C-A	334			334			
A-B	22			22			
A-C	157			157			

Opening Year, +15 (DO SOMETHING), AM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	3.84	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	Opening Year, +15 (DO SOMETHING)	AM	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 (PCU/hr)	Scaling Factor (%)
A		✓	721	100.000
B		✓	202	100.000
C		✓	359	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	20	701
	B	40	0	162
	C	298	61	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	4
	B	0	0	0
	C	8	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
07:45-08:00	A	543	543
	B	152	152
	C	270	270
08:00-08:15	A	648	648
	B	182	182
	C	323	323
08:15-08:30	A	794	794
	B	222	222
	C	395	395
08:30-08:45	A	794	794
	B	222	222
	C	395	395
08:45-09:00	A	648	648
	B	182	182
	C	323	323
09:00-09:15	A	543	543
	B	152	152
	C	270	270

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.56	20.80	1.3	C
C-AB	0.19	6.80	0.4	A
C-A				
A-B				
A-C				

Main Results for each time segment

07:45 - 08:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	152	468	0.325	150	0.5	11.249	B
C-AB	70	654	0.107	69	0.2	6.309	A
C-A	200			200			
A-B	15			15			
A-C	528			528			

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	182	438	0.415	181	0.7	13.941	B
C-AB	92	665	0.139	92	0.3	6.470	A
C-A	230			230			
A-B	18			18			
A-C	630			630			

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	222	395	0.563	220	1.2	20.339	C
C-AB	130	681	0.192	130	0.4	6.766	A
C-A	265			265			
A-B	22			22			
A-C	772			772			

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	222	395	0.563	222	1.3	20.803	C
C-AB	131	681	0.192	131	0.4	6.804	A
C-A	265			265			
A-B	22			22			
A-C	772			772			

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	182	438	0.415	184	0.7	14.277	B
C-AB	93	665	0.139	93	0.3	6.533	A
C-A	230			230			
A-B	18			18			
A-C	630			630			

09:00 - 09:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	152	468	0.325	153	0.5	11.455	B
C-AB	70	655	0.107	71	0.2	6.356	A
C-A	200			200			
A-B	15			15			
A-C	528			528			

Opening Year, +15 (DO SOMETHING), PM

Data Errors and Warnings

No errors or warnings

Junction Network

Junctions

Junction	Name	Junction Type	Major road direction	Junction Delay (s)	Junction LOS
10	untitled	T-Junction	Two-way	3.58	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	Opening Year, +15 (DO SOMETHING)	PM	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 (PCU/hr)	Scaling Factor (%)
A		✓	274	100.000
B		✓	99	100.000
C		✓	862	100.000

Origin-Destination Data

Demand (PCU/hr)

		To		
		A	B	C
From	A	0	29	245
	B	24	0	75
	C	711	151	0

Vehicle Mix

Heavy Vehicle Percentages

		To		
		A	B	C
From	A	0	0	7
	B	0	0	0
	C	5	0	0

Detailed Demand Data

Demand for each time segment

Time Segment	Arm	Demand (PCU/hr)	Demand in PCU (PCU/hr)
16:45-17:00	A	206	206
	B	75	75
	C	649	649
17:00-17:15	A	246	246
	B	89	89
	C	775	775
17:15-17:30	A	302	302
	B	109	109
	C	949	949
17:30-17:45	A	302	302
	B	109	109
	C	949	949
17:45-18:00	A	246	246
	B	89	89
	C	775	775
18:00-18:15	A	206	206
	B	75	75
	C	649	649

Results

Results Summary for whole modelled period

Stream	Max RFC	Max delay (s)	Max Queue (PCU)	Max LOS
B-AC	0.24	10.36	0.3	B
C-AB	0.54	7.54	2.4	A
C-A				
A-B				
A-C				

Main Results for each time segment

16:45 - 17:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	75	514	0.145	74	0.2	8.169	A
C-AB	265	937	0.283	262	0.7	5.477	A
C-A	384			384			
A-B	22			22			
A-C	184			184			

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	89	491	0.181	89	0.2	8.942	A
C-AB	377	1003	0.376	376	1.2	5.927	A
C-A	398			398			
A-B	26			26			
A-C	220			220			

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	109	457	0.238	109	0.3	10.318	B
C-AB	591	1095	0.540	586	2.3	7.359	A
C-A	358			358			
A-B	32			32			
A-C	270			270			

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	109	457	0.239	109	0.3	10.356	B
C-AB	595	1098	0.542	595	2.4	7.538	A
C-A	354			354			
A-B	32			32			
A-C	270			270			

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	89	490	0.181	89	0.2	8.983	A
C-AB	381	1007	0.378	386	1.2	6.091	A
C-A	394			394			
A-B	26			26			
A-C	220			220			

18:00 - 18:15

Stream	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	End queue (PCU)	Delay (s)	LOS
B-AC	75	513	0.145	75	0.2	8.213	A
C-AB	268	940	0.285	270	0.8	5.577	A
C-A	381			381			
A-B	22			22			
A-C	184			184			