

Junctions 9			
PICADY 9 - Priority Intersection Module			
Version: 9.5.0.6896			
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Filename: J03_IfieldAvenue_StagelandsJn.j9

Path: U:\London\Projects\237\4\73\05\Modell\Local Junction Modelling\J03_Stagelands\J9

Report generation date: 15/05/2025 09:25:19

- »2025, AM
- »2025, PM
- »2041_WithoutDevs, AM
- »2041_WithoutDevs, PM
- »2041_WithDevs, AM
- »2041_WithDevs, PM

Summary of junction performance

	AM		PM	
	Queue (PCU)	RFC	Queue (PCU)	RFC
2025				
Stream B-C	51.8	1.83	68.5	1.42
Stream B-A	17.1	1.73	88.4	1.42
Stream C-B	83.7	1.35	0.1	0.10
2041_WithoutDevs				
Stream B-C	8.6	1.05	29.7	1.27
Stream B-A	8.3	1.00	36.7	1.25
Stream C-B	18.7	1.05	0.4	0.24
2041_WithDevs				
Stream B-C	40.1	1.72	51.4	1.57
Stream B-A	48.1	1.72	68.4	1.58
Stream C-B	37.0	1.14	0.4	0.27

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	
Location	
Site number	
Date	07/09/2022
Version	
Status	(new file)
Identifier	
Client	
Jobnumber	
Enumerator	SDGNT\AMohammed
Description	

Units

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

Analysis Options

Vehicle length (m)	Calculate Queue Percentiles	Calculate detailed queueing delay	Calculate residual capacity	RFC Threshold	Average Delay threshold (s)	Queue threshold (PCU)
5.75				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)	Results for central hour only	Run automatically
D1	2025	AM	ONE HOUR	07:45	09:15	15	✓	✓
D2	2025	PM	ONE HOUR	16:45	18:15	15	✓	✓
D3	2041_WithoutDevs	AM	ONE HOUR	07:45	09:15	15	✓	✓
D4	2041_WithoutDevs	PM	ONE HOUR	16:45	18:15	15	✓	✓
D5	2041_WithDevs	AM	ONE HOUR	07:45	09:15	15	✓	✓
D6	2041_WithDevs	PM	ONE HOUR	16:45	18:15	15	✓	✓

Analysis Set Details

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

2025, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Demand Sets	D1 - 2025, AM	Time results are shown for central hour only. (Model is run for a 90 minute period.)

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	IfieldAve_Stagelands	T-Junction	Two-way		271.91	F

Junction Network Options

Driving side	Lighting
Left	Normal/unknown

Arms

Arms

Arm	Name	Description	Arm type
A	Ifield Avenue NWest		Major
B	Stagelands Rd		Minor
C	Ifield Avenue SE		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 - Ifield Avenue SE	6.50			120.0		-

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

Minor Arm Geometry

Arm	Minor arm type	Width at give-way (m)	Width at 5m (m)	Width at 10m (m)	Width at 15m (m)	Width at 20m (m)	Estimate flare length	Flare length (PCU)	Visibility to left (m)	Visibility to right (m)
B - Stagelands Rd	One lane plus flare	8.00	6.00	6.00	4.00	3.00		4.00	40	120

Slope / Intercept / Capacity

Priority Intersection Slopes and Intercepts

Junction	Stream	Intercept (PCU/hr)	Slope for A-B	Slope for A-C	Slope for C-A	Slope for C-B
1	B-A	492	0.088	0.222	0.140	0.317
1	B-C	785	0.118	0.298	-	-
1	C-B	643	0.244	0.244	-	-

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)	Results for central hour only	Run automatically
D1	2025	AM	ONE HOUR	07:45	09:15	15	✓	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - Ifield Avenue NWest		ONE HOUR	✓	865	100.000
B - Stagelands Rd		ONE HOUR	✓	382	100.000
C - Ifield Avenue SE		ONE HOUR	✓	896	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Ifield Avenue NWest	B - Stagelands Rd	C - Ifield Avenue SE
From	A - Ifield Avenue NWest	0	493	371
	B - Stagelands Rd	91	0	291
	C - Ifield Avenue SE	392	504	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Ifield Avenue NWest	B - Stagelands Rd	C - Ifield Avenue SE
From	A - Ifield Avenue NWest	0	4	3
	B - Stagelands Rd	1	0	7
	C - Ifield Avenue SE	4	2	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	1.83	648.21	51.8	F	291	291
B-A	1.73	694.66	17.1	F	91	91
C-A					392	392
C-B	1.35	656.31	83.7	F	504	504
A-B					493	493
A-C					371	371

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	262	65	558	0.469	260	0.6	0.9	12.897	B
B-A	82	21	182	0.452	81	0.4	0.8	35.472	E
C-A	353	88			353				
C-B	453	113	454	0.998	423	3.2	10.7	79.148	F
A-B	444	111			444				
A-C	334	83			334				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	320	80	304	1.056	280	0.9	11.1	110.973	F
B-A	101	25	97	1.036	83	0.8	5.1	192.544	F
C-A	432	108			432				
C-B	555	139	411	1.349	409	10.7	47.2	274.600	F
A-B	543	136			543				
A-C	409	102			409				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	320	80	175	1.831	174	11.1	47.6	550.483	F
B-A	101	25	58	1.732	57	5.1	16.0	648.787	F
C-A	432	108			432				
C-B	555	139	411	1.349	411	47.2	83.2	564.584	F
A-B	543	136			543				
A-C	409	102			409				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	262	65	246	1.063	245	47.6	51.8	648.212	F
B-A	82	21	80	1.032	78	16.0	17.1	694.662	F
C-A	353	88			353				
C-B	453	113	454	0.998	451	83.2	83.7	656.311	F
A-B	444	111			444				
A-C	334	83			334				

2025, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Demand Sets	D2 - 2025, PM	Time results are shown for central hour only. (Model is run for a 90 minute period.)

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	IfieldAve_Stagelands	T-Junction	Two-way		365.36	F

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)	Results for central hour only	Run automatically
D2	2025	PM	ONE HOUR	16:45	18:15	15	✓	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - Ifield Avenue NWest		ONE HOUR	✓	546	100.000
B - Stagelands Rd		ONE HOUR	✓	765	100.000
C - Ifield Avenue SE		ONE HOUR	✓	422	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
From		A - Ifield Avenue NWest	B - Stagelands Rd	C - Ifield Avenue SE
	A - Ifield Avenue NWest	0	49	497
	B - Stagelands Rd	432	0	334
	C - Ifield Avenue SE	377	45	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
From		A - Ifield Avenue NWest	B - Stagelands Rd	C - Ifield Avenue SE
	A - Ifield Avenue NWest	0	10	4
	B - Stagelands Rd	11	0	1
	C - Ifield Avenue SE	0	34	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	1.42	829.03	68.5	F	334	334
B-A	1.42	825.53	88.4	F	432	432
C-A					377	377
C-B	0.10	10.79	0.1	B	45	45
A-B					49	49
A-C					497	497

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	300	75	284	1.057	263	1.3	10.6	109.376	F
B-A	388	97	373	1.041	350	3.2	12.6	106.821	F
C-A	339	85			339				
C-B	41	10	524	0.077	40	0.1	0.1	9.983	A
A-B	44	11			44				
A-C	447	112			447				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	367	92	260	1.413	258	10.6	37.8	364.489	F
B-A	475	119	334	1.425	332	12.6	48.5	354.688	F
C-A	415	104			415				
C-B	50	12	497	0.100	50	0.1	0.1	10.782	B
A-B	54	13			54				
A-C	548	137			548				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	367	92	259	1.419	259	37.8	65.0	704.659	F
B-A	475	119	334	1.423	334	48.5	83.9	699.363	F
C-A	415	104			415				
C-B	50	12	497	0.100	50	0.1	0.1	10.789	B
A-B	54	13			54				
A-C	548	137			548				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	300	75	287	1.045	286	65.0	68.5	829.035	F
B-A	388	97	371	1.047	370	83.9	88.4	825.531	F
C-A	339	85			339				
C-B	41	10	524	0.077	41	0.1	0.1	9.992	A
A-B	44	11			44				
A-C	447	112			447				

2041_WithoutDevs, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Demand Sets	D3 - 2041_WithoutDevs, AM	Time results are shown for central hour only. (Model is run for a 90 minute period.)

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	IfieldAve_Stagelands	T-Junction	Two-way		56.30	F

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)	Results for central hour only	Run automatically
D3	2041_WithoutDevs	AM	ONE HOUR	07:45	09:15	15	✓	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - Ifield Avenue NWest		ONE HOUR	✓	1033	100.000
B - Stagelands Rd		ONE HOUR	✓	329	100.000
C - Ifield Avenue SE		ONE HOUR	✓	660	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Ifield Avenue NWest	B - Stagelands Rd	C - Ifield Avenue SE
From	A - Ifield Avenue NWest	0	676	358
	B - Stagelands Rd	161	0	168
	C - Ifield Avenue SE	312	348	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Ifield Avenue NWest	B - Stagelands Rd	C - Ifield Avenue SE
From	A - Ifield Avenue NWest	0	3	7
	B - Stagelands Rd	1	0	7
	C - Ifield Avenue SE	4	3	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	1.05	151.85	8.6	F	168	168
B-A	1.00	172.03	8.3	F	161	161
C-A					312	312
C-B	1.05	174.49	18.7	F	348	348
A-B					676	676
A-C					358	358

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	151	38	482	0.314	150	0.3	0.5	11.603	B
B-A	145	36	261	0.554	142	0.6	1.2	30.052	D
C-A	281	70			281				
C-B	312	78	417	0.749	307	1.3	2.7	32.153	D
A-B	607	152			607				
A-C	322	80			322				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	185	46	236	0.784	175	0.5	3.0	56.422	F
B-A	177	44	189	0.935	162	1.2	5.1	99.242	F
C-A	344	86			344				
C-B	383	96	366	1.046	344	2.7	12.3	102.017	F
A-B	744	186			744				
A-C	394	98			394				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	185	46	176	1.050	162	3.0	8.6	151.854	F
B-A	177	44	177	1.002	164	5.1	8.3	172.028	F
C-A	344	86			344				
C-B	383	96	366	1.046	357	12.3	18.7	174.489	F
A-B	744	186			744				
A-C	394	98			394				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	151	38	414	0.365	183	8.6	0.6	18.927	C
B-A	145	36	235	0.616	170	8.3	1.8	69.616	F
C-A	281	70			281				
C-B	312	78	417	0.749	372	18.7	3.8	98.365	F
A-B	607	152			607				
A-C	322	80			322				

2041_WithoutDevs, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Demand Sets	D4 - 2041_WithoutDevs, PM	Time results are shown for central hour only. (Model is run for a 90 minute period.)

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	IfieldAve_Stagelands	T-Junction	Two-way		114.94	F

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)	Results for central hour only	Run automatically
D4	2041_WithoutDevs	PM	ONE HOUR	16:45	18:15	15	✓	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - Ifield Avenue NWest		ONE HOUR	✓	806	100.000
B - Stagelands Rd		ONE HOUR	✓	520	100.000
C - Ifield Avenue SE		ONE HOUR	✓	561	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Ifield Avenue NWest	B - Stagelands Rd	C - Ifield Avenue SE
From	A - Ifield Avenue NWest	0	191	614
	B - Stagelands Rd	288	0	232
	C - Ifield Avenue SE	467	94	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Ifield Avenue NWest	B - Stagelands Rd	C - Ifield Avenue SE
From	A - Ifield Avenue NWest	0	2	0
	B - Stagelands Rd	9	0	1
	C - Ifield Avenue SE	0	15	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	1.27	418.32	29.7	F	232	232
B-A	1.25	412.12	36.7	F	288	288
C-A					467	467
C-B	0.24	12.78	0.4	B	94	94
A-B					191	191
A-C					614	614

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	208	52	356	0.585	205	0.6	1.3	23.695	C
B-A	259	65	318	0.814	250	1.5	3.7	52.143	F
C-A	420	105			420				
C-B	84	21	467	0.181	84	0.2	0.2	10.808	B
A-B	172	43			172				
A-C	552	138			552				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	255	64	201	1.268	193	1.3	16.9	201.988	F
B-A	317	79	256	1.238	249	3.7	20.7	207.434	F
C-A	514	129			514				
C-B	103	26	427	0.242	103	0.2	0.4	12.744	B
A-B	210	53			210				
A-C	677	169			677				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	255	64	205	1.241	204	16.9	29.7	418.319	F
B-A	317	79	255	1.246	253	20.7	36.7	412.121	F
C-A	514	129			514				
C-B	103	26	427	0.242	103	0.4	0.4	12.779	B
A-B	210	53			210				
A-C	677	169			677				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	208	52	247	0.841	239	29.7	21.9	374.581	F
B-A	259	65	307	0.843	298	36.7	26.9	378.488	F
C-A	420	105			420				
C-B	84	21	467	0.181	85	0.4	0.3	10.847	B
A-B	172	43			172				
A-C	552	138			552				

2041_WithDevs, AM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Demand Sets	D5 - 2041_WithDevs, AM	Time results are shown for central hour only. (Model is run for a 90 minute period.)

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	IfieldAve_Stagelands	T-Junction	Two-way		219.71	F

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)	Results for central hour only	Run automatically
D5	2041_WithDevs	AM	ONE HOUR	07:45	09:15	15	✓	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - Ifield Avenue NWest		ONE HOUR	✓	883	100.000
B - Stagelands Rd		ONE HOUR	✓	394	100.000
C - Ifield Avenue SE		ONE HOUR	✓	903	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Ifield Avenue NWest	B - Stagelands Rd	C - Ifield Avenue SE
	From			
	A - Ifield Avenue NWest	0	599	284
	B - Stagelands Rd	216	0	179
	C - Ifield Avenue SE	481	423	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Ifield Avenue NWest	B - Stagelands Rd	C - Ifield Avenue SE
	From			
	A - Ifield Avenue NWest	0	2	3
	B - Stagelands Rd	3	0	6
	C - Ifield Avenue SE	0	2	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	1.72	922.72	40.1	F	179	179
B-A	1.72	917.51	48.1	F	216	216
C-A					481	481
C-B	1.14	275.05	37.0	F	423	423
A-B					599	599
A-C					284	284

Main Results for each time segment

08:00 - 08:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	161	40	377	0.427	159	0.4	0.8	17.418	C
B-A	194	48	244	0.794	186	1.1	3.0	57.691	F
C-A	432	108			432				
C-B	380	95	450	0.844	370	1.9	4.3	41.469	E
A-B	538	135			538				
A-C	255	64			255				

08:15 - 08:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	197	49	132	1.489	127	0.8	18.4	326.708	F
B-A	237	59	165	1.438	161	3.0	22.0	337.221	F
C-A	529	132			529				
C-B	465	116	406	1.145	396	4.3	21.7	141.117	F
A-B	659	165			659				
A-C	313	78			313				

08:30 - 08:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	197	49	115	1.715	115	18.4	39.0	805.186	F
B-A	237	59	138	1.717	138	22.0	46.9	797.131	F
C-A	529	132			529				
C-B	465	116	406	1.145	404	21.7	37.0	275.047	F
A-B	659	165			659				
A-C	313	78			313				

08:45 - 09:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	161	40	158	1.017	157	39.0	40.1	922.725	F
B-A	194	48	190	1.018	189	46.9	48.1	917.511	F
C-A	432	108			432				
C-B	380	95	450	0.844	438	37.0	22.5	247.629	F
A-B	538	135			538				
A-C	255	64			255				

2041_WithDevs, PM

Data Errors and Warnings

Severity	Area	Item	Description
Warning	Demand Sets	D6 - 2041_WithDevs, PM	Time results are shown for central hour only. (Model is run for a 90 minute period.)

Junction Network

Junctions

Junction	Name	Junction type	Major road direction	Use circulating lanes	Junction Delay (s)	Junction LOS
1	IfieldAve_Stagelands	T-Junction	Two-way		216.77	F

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)	Results for central hour only	Run automatically
D6	2041_WithDevs	PM	ONE HOUR	16:45	18:15	15	✓	✓

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

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
A - Ifield Avenue NWest		ONE HOUR	✓	868	100.000
B - Stagelands Rd		ONE HOUR	✓	522	100.000
C - Ifield Avenue SE		ONE HOUR	✓	809	100.000

Origin-Destination Data

Demand (PCU/hr)

	To			
		A - Ifield Avenue NWest	B - Stagelands Rd	C - Ifield Avenue SE
From	A - Ifield Avenue NWest	0	258	609
	B - Stagelands Rd	299	0	223
	C - Ifield Avenue SE	709	100	0

Vehicle Mix

Heavy Vehicle Percentages

	To			
		A - Ifield Avenue NWest	B - Stagelands Rd	C - Ifield Avenue SE
From	A - Ifield Avenue NWest	0	1	0
	B - Stagelands Rd	4	0	2
	C - Ifield Avenue SE	0	15	0

Results

Results Summary for whole modelled period

Stream	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
B-C	1.57	913.69	51.4	F	223	223
B-A	1.58	907.10	68.4	F	299	299
C-A					709	709
C-B	0.27	13.79	0.4	B	100	100
A-B					258	258
A-C					609	609

Main Results for each time segment

17:00 - 17:15

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	201	50	203	0.990	177	0.6	6.5	106.117	F
B-A	269	67	276	0.974	247	2.0	7.4	95.263	F
C-A	638	159			638				
C-B	90	23	453	0.199	90	0.2	0.3	11.382	B
A-B	232	58			232				
A-C	548	137			548				

17:15 - 17:30

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	246	61	158	1.559	156	6.5	28.9	448.361	F
B-A	329	82	208	1.583	207	7.4	38.1	426.451	F
C-A	781	195			781				
C-B	110	28	410	0.269	110	0.3	0.4	13.744	B
A-B	284	71			284				
A-C	671	168			671				

17:30 - 17:45

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	246	61	156	1.572	156	28.9	51.4	834.137	F
B-A	329	82	208	1.581	208	38.1	68.4	823.039	F
C-A	781	195			781				
C-B	110	28	410	0.269	110	0.4	0.4	13.790	B
A-B	284	71			284				
A-C	671	168			671				

17:45 - 18:00

Stream	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
B-C	201	50	206	0.977	201	51.4	51.3	913.689	F
B-A	269	67	275	0.980	270	68.4	68.2	907.099	F
C-A	638	159			638				
C-B	90	23	453	0.199	91	0.4	0.3	11.432	B
A-B	232	58			232				
A-C	548	137			548				

