Heavy Vehicle %

		To			
		1 - Coldhams Lane (E)	2 - Beehive Site Access	3 - Coldhams Lane (W)	4 - Cambridge Retail Park
From	1 - Coldhams Lane (E)	0	1	1	0
	2 - Beehive Site Access	3	0	1	0
	3 - Coldhams Lane (W)	1	0	0	0
	4 - Cambridge Retail Park	0	0	0	0

Cyclist %

		To		
		1 - Coldhams Lane (E)	2 - Beehive Site Access	3 - Coldha Lane (
From	1 - Coldhams Lane (E)	0	0	0
	2 - Beehive Site Access	0	0	0
	3 - Coldhams Lane (W)	0	0	0
	4 - Cambridge Retail Park	0	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1 - Coldhams Lane (E)	0.57	9.54	1.6	A	549	823
2 - Beehive Site Access	0.25	5.80	0.6	A	281	421
3 - Coldhams Lane (W)	0.42	4.80	1.4	A	668	1001
4 - Cambridge Retail Park	0.24	9.53	0.6	A	158	237

Main Results for each time segment

07:45 - 08:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	434	108	188	1173	0.370	432	452	480	0.0	1.0	7.297	A
2 - Beehive Site Access	232	58	412	1470	0.158	233	229	208	0.0	0.2	5.080	A
3 - Coldhams Lane (W)	547	137	92	1991	0.275	544	548	554	0.0	0.7	4.127	A
4 - Cambridge Retail Park	131	33	536	971	0.135	132	134	99	0.0	0.3	7.661	A

08:00 - 08:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	536	134	224	1174	0.456	542	557	580	1.0	1.1	7.685	A
2 - Beehive Site Access	280	70	526	1439	0.194	279	280	241	0.2	0.3	5.241	A
3 - Coldhams Lane (W)	654	164	117	1972	0.332	656	651	688	0.7	0.7	4.340	A
4 - Cambridge Retail Park	152	38	650	904	0.168	154	150	123	0.3	0.4	8.195	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	662	165	266	1153	0.574	662	673	717	1.1	1.6	9.543	A
2 - Beehive Site Access	331	83	627	1355	0.244	330	336	301	0.3	0.5	5.801	A
3 - Coldhams Lane (W)	808	202	152	1945	0.416	803	796	805	0.7	1.4	4.768	A
4 - Cambridge Retail Park	182	46	801	810	0.225	182	189	154	0.4	0.5	9.526	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	660	165	254	1204	0.548	660	666	726	1.6	1.6	9.308	A
2 - Beehive Site Access	328	82	636	1327	0.247	329	333	279	0.5	0.6	5.649	A
3 - Coldhams Lane (W)	792	198	141	1983	0.400	789	797	823	1.4	1.2	4.801	A
4 - Cambridge Retail Park	196	49	785	823	0.238	195	192	145	0.5	0.6	9.423	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	544	136	223	1173	0.464	545	557	575	1.6	1.0	7.800	A
2 - Beehive Site Access	282	71	526	1455	0.194	280	285	242	0.6	0.5	5.637	A
3 - Coldhams Lane (W)	644	161	129	1960	0.329	642	661	676	1.2	0.8	4.304	A
4 - Cambridge Retail Park	154	39	642	880	0.175	156	156	129	0.6	0.2	8.334	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	458	115	194	1194	0.384	460	461	490	1.0	0.7	6.850	A
2 - Beehive Site Access	232	58	446	1515	0.153	233	234	208	0.5	0.3	4.998	A
3 - Coldhams Lane (W)	560	140	104	1999	0.280	563	553	574	0.8	0.5	4.156	A
4 - Cambridge Retail Park	133	33	551	958	0.138	133	126	116	0.2	0.2	7.731	A

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

07:45 - 08:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	Entry	1	1	1, 2, 3, 4	218	602	0.363	219	229	0.0	0.4	6.202	A
			2	1, 2, 3, 4	214	602	0.356	213	223	0.0	0.4	6.204	A
		2	1	(1, 2, 3, 4)	434			433	455	0.0	0.2	1.087	A
	Exit	1	1		480			480	481	0.0	0.0	0.000	A
2 - Beehive Site Access	Entry	1	1	1, 2, 3, 4	114	763	0.150	116	114	0.0	0.1	4.838	A
			2	1, 2, 3, 4	118	763	0.154	117	116	0.0	0.2	5.316	A
	Exit	1	1		208			208	207	0.0	0.0	0.000	A
3 - Coldhams Lane (W)	Entry	1	1	1, 2, 3, 4	276	992	0.278	275	276	0.0	0.3	4.132	A
			2	1, 2, 3, 4	272	992	0.274	269	273	0.0	0.4	4.112	A
		2	1	(1, 2, 3, 4)	547			547	551	0.0	0.0	0.005	A
	Exit	1	1		554			554	573	0.0	0.0	0.000	A
4 - Cambridge Retail Park	Entry	1	1	1, 2, 3, 4	69	482	0.142	69	67	0.0	0.1	7.398	A
			2	1, 2, 3, 4	63	482	0.130	63	67	0.0	0.1	7.633	A
		2	1	(1, 2, 3, 4)	131			131	135	0.0	0.0	0.146	A
	Exit	1	1		99			99	102	0.0	0.0	0.000	A

08:00 - 08:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	Entry	1	1	1, 2, 3, 4	266	592	0.450	270	277	0.4	0.4	6.210	A
			2	1, 2, 3, 4	272	592	0.460	272	280	0.4	0.5	6.036	A
		2	1	(1, 2, 3, 4)	536			538	558	0.2	0.3	1.563	A
	Exit	1	1		580			580	578	0.0	0.0	0.000	A
2 - Beehive Site Access	Entry	1	1	1, 2, 3, 4	143	725	0.197	142	141	0.1	0.2	5.171	A
			2	1, 2, 3, 4	137	725	0.189	137	139	0.2	0.2	5.313	A
	Exit	1	1		241			241	240	0.0	0.0	0.000	A
3 - Coldhams Lane (W)	Entry	1	1	1, 2, 3, 4	328	982	0.334	327	327	0.3	0.4	4.407	A
			2	1, 2, 3, 4	326	982	0.332	330	325	0.4	0.3	4.267	A
		2	1	(1, 2, 3, 4)	654			654	651	0.0	0.0	0.003	A
	Exit	1	1		688			688	696	0.0	0.0	0.000	A
4 - Cambridge Retail Park	Entry	1	1	1, 2, 3, 4	76	450	0.168	75	74	0.1	0.3	8.057	A
			2	1, 2, 3, 4	77	450	0.171	79	77	0.1	0.1	7.708	A
		2	1	(1, 2, 3, 4)	152			152	151	0.0	0.0	0.315	A
	Exit	1	1		123			123	125	0.0	0.0	0.000	A

08:15 - 08:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	Entry	1	1	1, 2, 3, 4	334	580	0.576	336	339	0.4	0.5	6.174	A
			2	1, 2, 3, 4	323	580	0.557	326	334	0.5	0.5	6.301	A
		2	1	(1, 2, 3, 4)	662			657	674	0.3	0.6	3.312	A
	Exit	1	1		717			717	713	0.0	0.0	0.000	A
2 - Beehive Site Access	Entry	1	1	1, 2, 3, 4	161	692	0.232	161	170	0.2	0.2	5.702	A
			2	1, 2, 3, 4	170	692	0.246	169	165	0.2	0.3	5.902	A
	Exit	1	1		301			301	299	0.0	0.0	0.000	A
3 - Coldhams Lane (W)	Entry	1	1	1, 2, 3, 4	402	970	0.415	399	396	0.4	0.8	4.681	A
			2	1, 2, 3, 4	406	970	0.419	404	400	0.3	0.7	4.801	A
		2	1	(1, 2, 3, 4)	808			808	798	0.0	0.0	0.027	A
	Exit	1	1		805			805	830	0.0	0.0	0.000	A
4 - Cambridge Retail Park	Entry	1	1	1, 2, 3, 4	99	408	0.242	98	96	0.3	0.3	8.724	A
			2	1, 2, 3, 4	84	408	0.205	84	92	0.1	0.2	9.047	A
		2	1	(1, 2, 3, 4)	182			183	189	0.0	0.0	0.643	A
	Exit	1	1		154			154	151	0.0	0.0	0.000	A

08:30 - 08:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	Entry	1	1	1, 2, 3, 4	332	583	0.569	330	332	0.5	0.6	6.213	A
			2	1, 2, 3, 4	329	583	0.565	330	334	0.5	0.6	6.350	A
		2	1	(1, 2, 3, 4)	660			662	666	0.6	0.4	3.032	A
	Exit	1	1		726			726	722	0.0	0.0	0.000	A
2 - Beehive Site Access	Entry	1	1	1, 2, 3, 4	165	689	0.240	165	165	0.2	0.3	5.565	A
			2	1, 2, 3, 4	163	689	0.236	163	168	0.3	0.3	5.733	A
	Exit	1	1		279			279	289	0.0	0.0	0.000	A
3 - Coldhams Lane (W)	Entry	1	1	1, 2, 3, 4	394	974	0.405	391	396	0.8	0.6	4.838	A
			2	1, 2, 3, 4	398	974	0.409	398	401	0.7	0.5	4.719	A
		2	1	(1, 2, 3, 4)	792			792	796	0.0	0.0	0.021	A
	Exit	1	1		823			823	832	0.0	0.0	0.000	A
4 - Cambridge Retail Park	Entry	1	1	1, 2, 3, 4	97	413	0.234	97	99	0.3	0.3	8.749	A
			2	1, 2, 3, 4	99	413	0.241	99	93	0.2	0.3	9.159	A
		2	1	(1, 2, 3, 4)	196			196	192	0.0	0.0	0.473	A
	Exit	1	1		145			145	145	0.0	0.0	0.000	A

08:45 - 09:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	Entry	1	1	1, 2, 3, 4	266	592	0.448	264	277	0.6	0.5	6.074	A
			2	1, 2, 3, 4	281	592	0.475	281	281	0.6	0.5	6.176	A
		2	1	(1, 2, 3, 4)	544			547	557	0.4	0.0	1.663	A
	Exit	1	1		575			575	589	0.0	0.0	0.000	A
2 - Beehive Site Access	Entry	1	1	1, 2, 3, 4	139	725	0.192	137	143	0.3	0.3	5.645	A
			2	1, 2, 3, 4	143	725	0.198	142	142	0.3	0.2	5.629	A
	Exit	1	1		242			242	246	0.0	0.0	0.000	A
3 - Coldhams Lane (W)	Entry	1	1	1, 2, 3, 4	319	978	0.326	318	328	0.6	0.4	4.292	A
			2	1, 2, 3, 4	326	978	0.333	324	333	0.5	0.3	4.316	A
		2	1	(1, 2, 3, 4)	644			644	659	0.0	0.0	0.003	A
	Exit	1	1		676			676	694	0.0	0.0	0.000	A
4 - Cambridge Retail Park	Entry	1	1	1, 2, 3, 4	76	453	0.168	76	77	0.3	0.1	8.686	A
			2	1, 2, 3, 4	78	453	0.173	80	78	0.3	0.1	7.567	A
		2	1	(1, 2, 3, 4)	154			154	155	0.0	0.0	0.213	A
	Exit	1	1		129			129	130	0.0	0.0	0.000	A

09:00 - 09:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	Entry	1	1	1, 2, 3, 4	228	600	0.379	227	228	0.5	0.4	6.079	A
			2	1, 2, 3, 4	231	600	0.385	233	232	0.5	0.3	5.794	A
		2	1	(1, 2, 3, 4)	458			459	459	0.0	0.1	0.917	A
	Exit	1	1		490			490	489	0.0	0.0	0.000	A
2 - Beehive Site Access	Entry	1	1	1, 2, 3, 4	113	752	0.150	114	116	0.3	0.1	4.989	A
			2	1, 2, 3, 4	119	752	0.158	119	118	0.2	0.1	5.006	A
	Exit	1	1		208			208	210	0.0	0.0	0.000	A
3 - Coldhams Lane (W)	Entry	1	1	1, 2, 3, 4	274	987	0.277	275	271	0.4	0.3	4.162	A
			2	1, 2, 3, 4	286	987	0.290	288	282	0.3	0.2	4.142	A
		2	1	(1, 2, 3, 4)	560			560	552	0.0	0.0	0.004	A
	Exit	1	1		574			574	570	0.0	0.0	0.000	A
4 - Cambridge Retail Park	Entry	1	1	1, 2, 3, 4	66	478	0.137	65	62	0.1	0.1	7.427	A
			2	1, 2, 3, 4	67	478	0.141	67	64	0.1	0.1	7.779	A
		2	1	(1, 2, 3, 4)	133			133	126	0.0	0.0	0.124	A
	Exit	1	1		116			116	106	0.0	0.0	0.000	A

Lane movements: Main Results for each time segment

07:45 - 08:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsig lev se
1 - Coldhams Lane (E)	Entry	1	1	1	0.77	0.19	167	154	0.005	0.77	1	0.0	0.0	6.189	
				2	38	9	655	602	0.062	39	37	0.0	0.1	6.122	
				3	160	40	655	602	0.265	159	168	0.0	0.3	6.247	
				4	20	5	655	599	0.034	20	23	0.0	0.0	6.004	
			2	1	2	0.51	195	176	0.012	2	1	0.0	0.0	5.680	
				2	36	9	655	599	0.060	36	34	0.0	0.1	5.789	
				3	157	39	655	602	0.260	157	166	0.0	0.3	6.420	
				4	19	5	655	601	0.032	18	22	0.0	0.1	5.250	
		2	1	1	3	0.70	-	-	-	3	3	0.0	0.0	0.406	
				2	74	19	-	-	-	74	71	0.0	0.0	1.127	
				3	317	79	-	-	-	316	337	0.0	0.1	1.076	
				4	40	10	-	-	-	40	45	0.0	0.0	1.144	
2 - Beehive Site Access	Entry	1	1	1	19	5	880	732	0.026	19	17	0.0	0.0	5.402	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	91	23	899	761	0.119	92	91	0.0	0.1	4.792	
				4	5	1	670	561	0.008	5	6	0.0	0.0	3.902	
			2	1	18	4	861	720	0.025	18	19	0.0	0.0	5.090	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	93	23	899	761	0.122	92	90	0.0	0.1	5.346	
				4	7	2	670	556	0.013	7	6	0.0	0.0	5.563	
3 - Coldhams Lane (W)	Entry	1	1	1	196	49	1025	992	0.197	195	196	0.0	0.2	4.138	
				2	54	13	1025	991	0.054	53	56	0.0	0.1	4.049	
				3	2	0.38	458	440	0.003	2	2	0.0	0.0	3.942	
				4	25	6	981	948	0.026	25	22	0.0	0.0	4.305	
			2	1	187	47	1025	992	0.188	185	186	0.0	0.3	4.122	
				2	57	14	1025	990	0.058	57	61	0.0	0.0	3.937	
				3	4	1	545	527	0.008	4	3	0.0	0.0	4.065	
				4	23	6	1025	988	0.023	22	22	0.0	0.0	4.520	
		2	1	1	382	96	-	-	-	382	384	0.0	0.0	0.003	
				2	111	28	-	-	-	111	117	0.0	0.0	0.015	
				3	6	1	-	-	-	6	6	0.0	0.0	0.000	
				4	48	12	-	-	-	48	44	0.0	0.0	0.000	
4 - Cambridge Retail Park	Entry	1	1	1	29	7	632	480	0.061	30	30	0.0	0.0	7.875	
				2	12	3	578	438	0.027	11	10	0.0	0.0	6.873	
				3	27	7	632	479	0.057	27	27	0.0	0.1	7.000	
				4	0.77	0.19	134	103	0.007	0.51	0.85	0.0	0.0	9.010	
			2	1	30	8	632	481	0.063	30	30	0.0	0.1	7.768	
				2	11	3	578	437	0.025	11	11	0.0	0.0	8.522	
				3	20	5	632	482	0.042	21	25	0.0	0.0	7.152	
				4	1	0.32	121	94	0.014	1	0.77	0.0	0.0	5.425	
		2	1	1	59	15	-	-	-	59	61	0.0	0.0	0.196	
				2	22	6	-	-	-	22	21	0.0	0.0	0.038	
				3	47	12	-	-	-	47	52	0.0	0.0	0.136	
				4	2	0.51	-	-	-	2	2	0.0	0.0	0.009	

08:00 - 08:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsig lev se
1 - Coldhams Lane (E)	Entry	1	1	1	2	0.38	195	177	0.009	2	1	0.0	0.0	5.870	
				2	40	10	655	591	0.068	41	42	0.1	0.1	6.175	
				3	199	50	655	592	0.335	203	206	0.3	0.3	6.290	
				4	26	6	655	590	0.044	26	29	0.0	0.0	5.697	
			2	1	2	0.45	181	165	0.011	2	1	0.0	0.0	8.181	
				2	44	11	655	591	0.074	44	43	0.1	0.1	6.095	
				3	201	50	655	592	0.339	200	207	0.3	0.4	6.071	
				4	25	6	655	592	0.043	26	28	0.1	0.0	5.577	
		2	1	1	4	0.89	-	-	-	3	3	0.0	0.0	2.247	
				2	83	21	-	-	-	84	85	0.0	0.0	1.442	
				3	398	100	-	-	-	400	414	0.1	0.2	1.577	
				4	51	13	-	-	-	51	56	0.0	0.0	1.608	
2 - Beehive Site Access	Entry	1	1	1	22	6	880	710	0.031	22	21	0.0	0.1	5.457	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	113	28	899	725	0.157	113	112	0.1	0.1	5.172	
				4	7	2	784	631	0.011	7	7	0.0	0.0	4.363	
			2	1	23	6	899	724	0.032	23	24	0.0	0.0	5.955	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	105	26	899	726	0.145	105	107	0.1	0.1	5.229	
				4	8	2	803	639	0.013	8	9	0.0	0.0	4.622	
3 - Coldhams Lane (W)	Entry	1	1	1	229	57	1025	982	0.233	228	232	0.2	0.4	4.474	
				2	68	17	1025	982	0.069	68	67	0.1	0.1	4.114	
				3	4	1	763	731	0.006	4	4	0.0	0.0	5.006	
				4	27	7	1025	981	0.028	28	24	0.0	0.0	4.477	
			2	1	230	58	1025	982	0.234	232	230	0.3	0.2	4.312	
				2	65	16	1025	981	0.066	65	65	0.0	0.0	4.207	
				3	5	1	676	649	0.007	5	4	0.0	0.0	4.725	
				4	27	7	1025	980	0.028	27	26	0.0	0.0	3.963	
		2	1	1	459	115	-	-	-	459	462	0.0	0.0	0.003	
				2	132	33	-	-	-	132	132	0.0	0.0	0.003	
				3	9	2	-	-	-	9	8	0.0	0.0	0.003	
				4	54	14	-	-	-	54	50	0.0	0.0	0.002	
4 - Cambridge Retail Park	Entry	1	1	1	35	9	632	452	0.077	35	34	0.0	0.1	7.411	
				2	10	3	565	398	0.026	11	11	0.0	0.0	8.558	
				3	30	7	632	449	0.066	28	28	0.1	0.1	8.738	
				4	0.77	0.19	81	56	0.014	0.77	0.68	0.0	0.0	4.529	
			2	1	34	8	632	446	0.076	36	34	0.1	0.0	8.136	
				2	12	3	605	435	0.028	12	13	0.0	0.0	7.364	
				3	30	8	632	449	0.068	30	28	0.0	0.1	7.433	
				4	0.77	0.19	148	108	0.007	0.77	1	0.0	0.0	5.526	
		2	1	1	68	17	-	-	-	68	69	0.0	0.0	0.324	
				2	22	6	-	-	-	22	24	0.0	0.0	0.343	
				3	60	15	-	-	-	60	57	0.0	0.0	0.300	
				4	2	0.38	-	-	-	2	2	0.0	0.0	0.097	

08:15 - 08:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsig lev se
1 - Coldhams Lane (E)	Entry	1	1	1	2	0.45	293	258	0.007	2	2	0.0	0.0	5.645	
				2	53	13	655	581	0.090	52	54	0.1	0.1	6.151	
				3	246	62	655	580	0.425	248	250	0.3	0.4	6.184	
				4	33	8	655	580	0.058	33	33	0.0	0.0	6.179	
			2	1	2	0.57	223	196	0.012	2	2	0.0	0.0	5.467	
				2	53	13	655	581	0.092	54	51	0.1	0.0	6.310	
				3	234	58	655	580	0.403	235	247	0.4	0.3	6.298	
				4	33	8	655	580	0.057	34	35	0.0	0.1	6.347	
		2	1	1	4	1	-	-	-	4	4	0.0	0.0	3.299	
				2	106	27	-	-	-	106	106	0.0	0.1	3.005	
				3	484	121	-	-	-	480	497	0.2	0.5	3.381	
				4	67	17	-	-	-	67	68	0.0	0.1	3.286	
2 - Beehive Site Access	Entry	1	1	1	27	7	899	694	0.039	28	29	0.1	0.0	5.799	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	127	32	899	692	0.183	126	134	0.1	0.1	5.775	
				4	7	2	765	582	0.012	7	8	0.0	0.0	4.124	
			2	1	32	8	899	682	0.047	33	30	0.0	0.0	5.929	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	127	32	899	692	0.184	125	127	0.1	0.3	5.913	
				4	11	3	784	597	0.018	10	8	0.0	0.0	5.650	
3 - Coldhams Lane (W)	Entry	1	1	1	278	70	1025	970	0.287	277	278	0.4	0.5	4.719	
				2	85	21	1025	969	0.087	84	82	0.1	0.1	4.490	
				3	4	0.89	632	598	0.006	4	4	0.0	0.0	3.971	
				4	36	9	1025	970	0.037	35	33	0.0	0.1	4.919	
			2	1	285	71	1025	970	0.294	284	282	0.2	0.4	4.871	
				2	84	21	1025	971	0.086	84	81	0.0	0.1	4.613	
				3	5	1	676	643	0.007	4	4	0.0	0.0	3.940	
				4	33	8	1025	972	0.034	32	32	0.0	0.1	4.775	
		2	1	1	563	141	-	-	-	563	561	0.0	0.0	0.021	
				2	168	42	-	-	-	168	164	0.0	0.0	0.040	
				3	8	2	-	-	-	8	8	0.0	0.0	0.000	
				4	69	17	-	-	-	69	66	0.0	0.0	0.046	
4 - Cambridge Retail Park	Entry	1	1	1	50	13	632	407	0.123	50	46	0.1	0.1	8.622	
				2	11	3	619	399	0.029	12	15	0.0	0.0	9.189	
				3	35	9	632	407	0.087	34	34	0.1	0.1	8.662	
				4	2	0.45	229	150	0.012	2	2	0.0	0.0	8.712	
			2	1	43	11	632	407	0.106	42	44	0.0	0.1	9.383	
				2	14	4	632	407	0.035	15	15	0.0	0.0	8.377	
				3	26	7	632	411	0.063	27	32	0.1	0.0	8.992	
				4	0.51	0.13	94	59	0.009	0.51	0.68	0.0	0.0	4.658	
		2	1	1	93	23	-	-	-	93	91	0.0	0.0	0.677	
				2	25	6	-	-	-	26	30	0.0	0.0	0.510	
				3	62	15	-	-	-	62	66	0.0	0.0	0.666	
				4	2	0.57	-	-	-	2	2	0.0	0.0	0.452	

08:30 - 08:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsig le se
1 - Coldhams Lane (E)	Entry	1	1	1	2	0.38	237	211	0.007	1	2	0.0	0.0	6.970	
				2	47	12	655	583	0.081	47	51	0.1	0.1	6.139	
				3	250	62	655	583	0.428	249	247	0.4	0.5	6.187	
				4	34	8	655	584	0.058	33	32	0.0	0.0	6.489	
			2	1	1	0.32	251	221	0.006	1	2	0.0	0.0	5.212	
				2	52	13	655	585	0.089	52	51	0.0	0.1	6.551	
				3	246	62	655	584	0.422	246	249	0.3	0.4	6.370	
				4	30	7	655	584	0.051	31	32	0.1	0.0	5.944	
		2	1	1	3	0.70	-	-	-	3	4	0.0	0.0	2.629	
				2	100	25	-	-	-	99	102	0.1	0.1	3.147	
				3	493	123	-	-	-	496	497	0.5	0.3	3.023	
				4	64	16	-	-	-	64	64	0.1	0.1	2.951	
2 - Beehive Site Access	Entry	1	1	1	27	7	899	691	0.040	28	26	0.0	0.0	5.608	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	129	32	899	690	0.187	129	130	0.1	0.2	5.590	
				4	9	2	803	616	0.015	9	9	0.0	0.1	5.078	
			2	1	25	6	899	688	0.037	26	28	0.0	0.0	5.578	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	128	32	899	689	0.185	127	130	0.3	0.3	5.742	
				4	10	2	823	629	0.015	10	10	0.0	0.0	6.032	
3 - Coldhams Lane (W)	Entry	1	1	1	287	72	1025	974	0.295	286	286	0.5	0.4	4.845	
				2	76	19	1025	974	0.078	74	77	0.1	0.3	4.903	
				3	2	0.57	611	580	0.004	3	3	0.0	0.0	4.560	
				4	29	7	1003	953	0.030	29	30	0.1	0.0	4.621	
			2	1	286	72	1025	974	0.294	287	285	0.4	0.3	4.718	
				2	77	19	1025	973	0.079	77	82	0.1	0.1	4.801	
				3	3	0.70	632	602	0.005	3	4	0.0	0.0	3.966	
				4	31	8	1025	974	0.032	31	31	0.1	0.0	4.599	
		2	1	1	574	144	-	-	-	574	570	0.0	0.0	0.022	
				2	153	38	-	-	-	153	160	0.0	0.0	0.019	
				3	5	1	-	-	-	5	7	0.0	0.0	0.000	
				4	60	15	-	-	-	60	60	0.0	0.0	0.020	
4 - Cambridge Retail Park	Entry	1	1	1	45	11	632	417	0.107	44	47	0.1	0.1	8.473	
				2	16	4	632	414	0.038	16	16	0.0	0.0	8.674	
				3	35	9	632	412	0.084	34	34	0.1	0.1	9.186	
				4	1	0.32	121	81	0.016	2	0.85	0.0	0.0	8.034	
			2	1	53	13	632	409	0.130	53	46	0.1	0.1	9.606	
				2	13	3	605	396	0.032	13	12	0.0	0.1	8.005	
				3	33	8	632	415	0.079	33	34	0.0	0.1	8.953	
				4	0.77	0.19	67	46	0.017	0.77	0.60	0.0	0.0	10.617	
		2	1	1	98	24	-	-	-	98	93	0.0	0.0	0.450	
				2	29	7	-	-	-	29	29	0.0	0.0	0.703	
				3	68	17	-	-	-	67	69	0.0	0.0	0.421	
				4	2	0.51	-	-	-	2	1	0.0	0.0	0.000	

08:45 - 09:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsig lev ser
1 - Coldhams Lane (E)	Entry	1	1	1	2	0.38	181	163	0.009	2	1	0.0	0.0	7.871	
				2	41	10	655	591	0.069	41	42	0.1	0.1	6.126	
				3	198	49	655	592	0.334	196	205	0.5	0.4	6.036	
				4	26	6	655	593	0.043	26	29	0.0	0.0	6.191	
			2	1	1	0.32	251	226	0.006	1	2	0.0	0.0	4.911	
				2	43	11	655	591	0.073	43	42	0.1	0.1	6.252	
				3	203	51	655	592	0.343	202	208	0.4	0.3	6.240	
				4	34	8	655	591	0.057	34	29	0.0	0.1	5.679	
		2	1	1	3	0.70	-	-	-	3	3	0.0	0.0	2.132	
				2	83	21	-	-	-	84	84	0.1	0.0	1.773	
				3	399	100	-	-	-	401	413	0.3	0.0	1.656	
				4	59	15	-	-	-	59	57	0.1	0.0	1.525	
2 - Beehive Site Access	Entry	1	1	1	21	5	899	726	0.030	22	22	0.0	0.0	5.364	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	112	28	899	726	0.154	110	113	0.2	0.3	5.685	
				4	6	2	784	624	0.010	6	8	0.1	0.0	5.837	
			2	1	28	7	899	728	0.039	28	24	0.0	0.1	5.562	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	108	27	899	724	0.149	107	109	0.3	0.2	5.657	
				4	7	2	765	617	0.012	7	9	0.0	0.0	5.468	
3 - Coldhams Lane (W)	Entry	1	1	1	225	56	1025	978	0.230	226	229	0.4	0.3	4.357	
				2	64	16	1025	979	0.065	63	71	0.3	0.1	4.107	
				3	4	0.96	502	477	0.008	4	3	0.0	0.0	5.156	
				4	26	6	1025	980	0.026	26	26	0.0	0.0	4.126	
			2	1	226	56	1025	978	0.231	225	236	0.3	0.3	4.325	
				2	70	18	1025	979	0.072	70	67	0.1	0.0	4.252	
				3	3	0.64	567	541	0.005	3	3	0.0	0.0	4.712	
				4	27	7	1025	981	0.027	26	27	0.0	0.0	4.352	
		2	1	1	451	113	-	-	-	451	464	0.0	0.0	0.004	
				2	134	34	-	-	-	134	137	0.0	0.0	0.002	
				3	6	2	-	-	-	6	6	0.0	0.0	0.000	
				4	53	13	-	-	-	53	53	0.0	0.0	0.003	
4 - Cambridge Retail Park	Entry	1	1	1	37	9	632	451	0.083	37	37	0.1	0.1	8.524	
				2	14	4	619	437	0.032	14	13	0.0	0.1	8.456	
				3	23	6	632	451	0.051	24	26	0.1	0.0	9.024	
				4	2	0.38	175	122	0.013	2	1	0.0	0.0	8.803	
			2	1	36	9	632	453	0.079	36	38	0.1	0.0	7.618	
				2	11	3	605	425	0.026	11	12	0.1	0.0	7.730	
				3	29	7	632	449	0.065	30	27	0.1	0.0	7.540	
				4	2	0.57	202	143	0.016	2	1	0.0	0.0	5.441	
		2	1	1	73	18	-	-	-	73	74	0.0	0.0	0.174	
				2	25	6	-	-	-	25	25	0.0	0.0	0.280	
				3	52	13	-	-	-	52	53	0.0	0.0	0.243	
				4	4	0.96	-	-	-	4	3	0.0	0.0	0.118	

09:00 - 09:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsig le se
1 - Coldhams Lane (E)	Entry	1	1	1	0.77	0.19	139	127	0.006	0.77	1	0.0	0.0	7.207	
				2	32	8	655	601	0.053	33	35	0.1	0.0	6.240	
				3	169	42	655	601	0.282	168	168	0.4	0.4	6.060	
				4	26	6	655	600	0.043	26	24	0.0	0.0	5.921	
			2	1	2	0.45	153	141	0.013	2	1	0.0	0.0	4.898	
				2	33	8	655	603	0.055	32	38	0.1	0.1	5.772	
				3	172	43	655	602	0.285	175	169	0.3	0.1	5.748	
				4	25	6	655	599	0.041	24	24	0.1	0.1	6.195	
		2	1	1	3	0.64	-	-	-	3	2	0.0	0.0	0.704	
				2	65	16	-	-	-	65	73	0.0	0.0	0.878	
				3	341	85	-	-	-	341	337	0.0	0.1	0.936	
				4	50	13	-	-	-	51	47	0.0	0.0	0.855	
2 - Beehive Site Access	Entry	1	1	1	19	5	880	737	0.025	18	20	0.0	0.1	5.016	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	89	22	899	752	0.118	90	91	0.3	0.1	4.968	
				4	6	1	612	512	0.011	6	5	0.0	0.0	5.243	
			2	1	20	5	880	734	0.027	20	20	0.1	0.0	4.910	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	92	23	899	750	0.123	93	91	0.2	0.1	5.051	
				4	7	2	803	673	0.010	7	7	0.0	0.0	4.677	
3 - Coldhams Lane (W)	Entry	1	1	1	185	46	1025	986	0.188	185	188	0.3	0.2	4.202	
				2	58	14	1025	987	0.058	59	56	0.1	0.1	4.150	
				3	3	0.77	654	630	0.005	3	3	0.0	0.0	4.162	
				4	28	7	1025	986	0.028	28	23	0.0	0.0	3.875	
			2	1	202	50	1025	986	0.204	202	198	0.3	0.1	4.160	
				2	59	15	1025	987	0.060	61	60	0.0	0.0	4.083	
				3	2	0.57	480	463	0.005	2	3	0.0	0.0	4.461	
				4	23	6	1025	985	0.024	23	22	0.0	0.0	4.096	
		2	1	1	387	97	-	-	-	387	385	0.0	0.0	0.004	
				2	117	29	-	-	-	117	115	0.0	0.0	0.007	
				3	5	1	-	-	-	5	6	0.0	0.0	0.000	
				4	51	13	-	-	-	51	45	0.0	0.0	0.000	
4 - Cambridge Retail Park	Entry	1	1	1	34	9	632	477	0.072	34	31	0.1	0.1	7.514	
				2	9	2	605	452	0.020	10	9	0.1	0.0	6.878	
				3	22	5	632	479	0.045	21	21	0.0	0.0	7.430	
				4	0.51	0.13	94	70	0.007	0.51	0.60	0.0	0.0	10.857	
			2	1	30	8	632	478	0.064	30	29	0.0	0.1	7.144	
				2	14	3	632	481	0.028	14	12	0.0	0.0	8.428	
				3	22	6	632	475	0.047	22	23	0.0	0.0	8.331	
				4	0.77	0.19	108	80	0.010	0.77	0.68	0.0	0.0	5.216	
		2	1	1	65	16	-	-	-	65	60	0.0	0.0	0.155	
				2	22	6	-	-	-	23	21	0.0	0.0	0.088	
				3	44	11	-	-	-	44	44	0.0	0.0	0.099	
				4	1	0.32	-	-	-	1	1	0.0	0.0	0.164	

2030 Base, PM

Data Errors and Warnings

Severity	Area	Item	Description
Info	Lane Simulation	A1 - [Lane Simulation]	This analysis set uses Lane Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		1, 2, 3, 4	8.72	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	8.72	A

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)	Run automatically
D4	2030 Base	PM	ONE HOUR	16:45	18:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1 - Coldhams Lane (E)		ONE HOUR	✓	651	100.000
2 - Beehive Site Access		ONE HOUR	✓	450	100.000
3 - Coldhams Lane (W)		ONE HOUR	✓	767	100.000
4 - Cambridge Retail Park		ONE HOUR	✓	267	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		1 - Coldhams Lane (E)	2 - Beehive Site Access	3 - Coldhams Lane (W)	4 - Cambridge Retail Park
From	1 - Coldhams Lane (E)	0	159	425	67
	2 - Beehive Site Access	164	0	242	44
	3 - Coldhams Lane (W)	470	230	0	67
	4 - Cambridge Retail Park	108	72	86	1

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80

Heavy Vehicle %

		To			
		1 - Coldhams Lane (E)	2 - Beehive Site Access	3 - Coldhams Lane (W)	4 - Cambridge Retail Park
From	1 - Coldhams Lane (E)	0	1	1	0
	2 - Beehive Site Access	3	0	1	0
	3 - Coldhams Lane (W)	1	0	0	0
	4 - Cambridge Retail Park	0	0	0	0

Cyclist %

		To		
		1 - Coldhams Lane (E)	2 - Beehive Site Access	3 - Coldha Lane (
From	1 - Coldhams Lane (E)	0	0	0
	2 - Beehive Site Access	0	0	0
	3 - Coldhams Lane (W)	0	0	0
	4 - Cambridge Retail Park	0	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1 - Coldhams Lane (E)	0.69	12.64	3.1	B	609	914
2 - Beehive Site Access	0.35	6.46	0.9	A	419	628
3 - Coldhams Lane (W)	0.46	5.57	1.3	A	703	1055
4 - Cambridge Retail Park	0.42	11.85	0.9	B	246	369

Main Results for each time segment

16:45 - 17:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	512	128	297	1158	0.442	518	497	571	0.0	0.9	8.093	A
2 - Beehive Site Access	360	90	463	1501	0.240	361	344	351	0.0	0.4	5.376	A
3 - Coldhams Lane (W)	592	148	224	1841	0.322	587	581	601	0.0	0.9	4.309	A
4 - Cambridge Retail Park	207	52	663	900	0.229	205	196	148	0.0	0.5	8.213	A

17:00 - 17:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	610	153	339	1117	0.546	605	595	672	0.9	1.9	9.142	A
2 - Beehive Site Access	435	109	538	1429	0.304	434	407	406	0.4	0.9	5.583	A
3 - Coldhams Lane (W)	683	171	267	1847	0.370	685	683	705	0.9	0.8	4.604	A
4 - Cambridge Retail Park	225	56	785	840	0.267	226	233	167	0.5	0.4	9.097	A

17:15 - 17:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	707	177	427	1062	0.666	715	697	820	1.9	1.8	11.023	B
2 - Beehive Site Access	468	117	636	1408	0.332	468	479	505	0.9	0.9	6.463	A
3 - Coldhams Lane (W)	850	213	291	1830	0.464	849	841	813	0.8	1.3	5.287	A
4 - Cambridge Retail Park	303	76	942	727	0.417	305	289	198	0.4	0.9	11.818	B

17:30 - 17:45

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	749	187	423	1080	0.694	748	715	814	1.8	3.1	12.644	B
2 - Beehive Site Access	488	122	663	1394	0.350	492	491	508	0.9	0.9	6.237	A
3 - Coldhams Lane (W)	826	206	315	1843	0.448	833	832	840	1.3	1.1	5.570	A
4 - Cambridge Retail Park	293	73	945	740	0.396	293	293	202	0.9	0.8	11.845	B

17:45 - 18:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	584	146	335	1087	0.537	581	590	683	3.1	1.8	9.198	A
2 - Beehive Site Access	418	104	516	1401	0.298	420	407	400	0.9	0.6	5.699	A
3 - Coldhams Lane (W)	689	172	253	1911	0.360	695	697	683	1.1	0.6	4.741	A
4 - Cambridge Retail Park	236	59	784	846	0.279	234	245	164	0.8	0.6	9.798	A

18:00 - 18:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	492	123	287	1102	0.447	492	496	579	1.8	1.0	7.420	A
2 - Beehive Site Access	346	87	429	1497	0.231	343	340	350	0.6	0.5	5.177	A
3 - Coldhams Lane (W)	579	145	208	1932	0.299	575	568	565	0.6	0.8	4.405	A
4 - Cambridge Retail Park	213	53	651	904	0.235	214	207	131	0.6	0.4	8.375	A

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

16:45 - 17:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	Entry	1	1	1, 2, 3, 4	252	571	0.442	255	250	0.0	0.3	6.464	A
			2	1, 2, 3, 4	261	571	0.456	263	247	0.0	0.4	6.310	A
		2	1	(1, 2, 3, 4)	512			513	500	0.0	0.2	1.705	A
	Exit	1	1		571			571	556	0.0	0.0	0.000	A
2 - Beehive Site Access	Entry	1	1	1, 2, 3, 4	181	746	0.242	180	170	0.0	0.2	5.310	A
			2	1, 2, 3, 4	179	746	0.240	181	174	0.0	0.2	5.440	A
	Exit	1	1		351			351	352	0.0	0.0	0.000	A
3 - Coldhams Lane (W)	Entry	1	1	1, 2, 3, 4	303	944	0.321	300	291	0.0	0.4	4.293	A
			2	1, 2, 3, 4	289	944	0.307	287	291	0.0	0.5	4.318	A
		2	1	(1, 2, 3, 4)	592			592	585	0.0	0.0	0.003	A
	Exit	1	1		601			601	572	0.0	0.0	0.000	A
4 - Cambridge Retail Park	Entry	1	1	1, 2, 3, 4	103	447	0.230	101	98	0.0	0.3	7.833	A
			2	1, 2, 3, 4	104	447	0.233	104	98	0.0	0.2	7.953	A
		2	1	(1, 2, 3, 4)	207			207	198	0.0	0.0	0.320	A
	Exit	1	1		148			148	139	0.0	0.0	0.000	A

17:00 - 17:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	Entry	1	1	1, 2, 3, 4	297	559	0.531	298	290	0.3	0.5	6.675	A
			2	1, 2, 3, 4	309	559	0.552	308	305	0.4	0.6	6.447	A
		2	1	(1, 2, 3, 4)	610			606	597	0.2	0.8	2.582	A
	Exit	1	1		672			672	661	0.0	0.0	0.000	A
2 - Beehive Site Access	Entry	1	1	1, 2, 3, 4	221	721	0.306	219	203	0.2	0.5	5.492	A
			2	1, 2, 3, 4	213	721	0.296	215	204	0.2	0.4	5.673	A
	Exit	1	1		406			406	409	0.0	0.0	0.000	A
3 - Coldhams Lane (W)	Entry	1	1	1, 2, 3, 4	339	928	0.365	339	345	0.4	0.4	4.537	A
			2	1, 2, 3, 4	345	928	0.371	345	337	0.5	0.4	4.656	A
		2	1	(1, 2, 3, 4)	683			683	682	0.0	0.0	0.009	A
	Exit	1	1		705			705	687	0.0	0.0	0.000	A
4 - Cambridge Retail Park	Entry	1	1	1, 2, 3, 4	107	413	0.260	110	116	0.3	0.1	8.663	A
			2	1, 2, 3, 4	117	413	0.285	117	117	0.2	0.3	8.231	A
		2	1	(1, 2, 3, 4)	225			225	233	0.0	0.0	0.653	A
	Exit	1	1		167			167	160	0.0	0.0	0.000	A

17:15 - 17:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	Entry	1	1	1, 2, 3, 4	361	535	0.675	359	354	0.5	0.7	6.568	A
			2	1, 2, 3, 4	356	535	0.666	355	343	0.6	0.7	6.810	A
		2	1	(1, 2, 3, 4)	707			717	699	0.8	0.4	4.330	A
	Exit	1	1		820			820	814	0.0	0.0	0.000	A
2 - Beehive Site Access	Entry	1	1	1, 2, 3, 4	230	689	0.334	230	236	0.5	0.5	6.491	A
			2	1, 2, 3, 4	238	689	0.345	238	243	0.4	0.4	6.436	A
	Exit	1	1		505			505	494	0.0	0.0	0.000	A
3 - Coldhams Lane (W)	Entry	1	1	1, 2, 3, 4	422	919	0.459	420	421	0.4	0.7	5.297	A
			2	1, 2, 3, 4	428	919	0.466	429	420	0.4	0.5	5.199	A
		2	1	(1, 2, 3, 4)	850			850	843	0.0	0.0	0.039	A
	Exit	1	1		813			813	803	0.0	0.0	0.000	A
4 - Cambridge Retail Park	Entry	1	1	1, 2, 3, 4	158	369	0.428	159	147	0.1	0.3	9.510	A
			2	1, 2, 3, 4	145	369	0.393	147	142	0.3	0.4	9.781	A
		2	1	(1, 2, 3, 4)	303			303	290	0.0	0.2	2.180	A
	Exit	1	1		198			198	196	0.0	0.0	0.000	A

17:30 - 17:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	Entry	1	1	1, 2, 3, 4	369	536	0.690	371	356	0.7	0.7	6.848	A
			2	1, 2, 3, 4	377	536	0.704	377	359	0.7	0.8	6.861	A
		2	1	(1, 2, 3, 4)	749			747	715	0.4	1.7	5.796	A
	Exit	1	1		814			814	809	0.0	0.0	0.000	A
2 - Beehive Site Access	Entry	1	1	1, 2, 3, 4	241	680	0.354	243	244	0.5	0.4	6.365	A
			2	1, 2, 3, 4	247	680	0.363	249	248	0.4	0.4	6.111	A
	Exit	1	1		508			508	506	0.0	0.0	0.000	A
3 - Coldhams Lane (W)	Entry	1	1	1, 2, 3, 4	422	911	0.463	425	416	0.7	0.6	5.444	A
			2	1, 2, 3, 4	404	911	0.444	408	416	0.5	0.5	5.436	A
		2	1	(1, 2, 3, 4)	826			826	832	0.0	0.0	0.130	A
	Exit	1	1		840			840	820	0.0	0.0	0.000	A
4 - Cambridge Retail Park	Entry	1	1	1, 2, 3, 4	148	368	0.403	147	147	0.3	0.4	9.711	A
			2	1, 2, 3, 4	145	368	0.395	146	146	0.4	0.3	10.208	B
		2	1	(1, 2, 3, 4)	293			293	293	0.2	0.1	1.887	A
	Exit	1	1		202			202	197	0.0	0.0	0.000	A

17:45 - 18:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	Entry	1	1	1, 2, 3, 4	297	560	0.530	297	298	0.7	0.7	6.537	A
			2	1, 2, 3, 4	285	560	0.508	284	293	0.8	0.6	6.752	A
		2	1	(1, 2, 3, 4)	584			582	589	1.7	0.6	2.559	A
	Exit	1	1		683			683	676	0.0	0.0	0.000	A
2 - Beehive Site Access	Entry	1	1	1, 2, 3, 4	212	729	0.292	214	208	0.4	0.3	5.637	A
			2	1, 2, 3, 4	205	729	0.282	206	199	0.4	0.3	5.765	A
	Exit	1	1		400			400	417	0.0	0.0	0.000	A
3 - Coldhams Lane (W)	Entry	1	1	1, 2, 3, 4	350	933	0.375	354	355	0.6	0.3	4.603	A
			2	1, 2, 3, 4	339	933	0.364	341	342	0.5	0.4	4.846	A
		2	1	(1, 2, 3, 4)	689			689	695	0.0	0.0	0.019	A
	Exit	1	1		683			683	683	0.0	0.0	0.000	A
4 - Cambridge Retail Park	Entry	1	1	1, 2, 3, 4	117	413	0.282	116	123	0.4	0.3	8.905	A
			2	1, 2, 3, 4	119	413	0.288	118	123	0.3	0.3	8.890	A
		2	1	(1, 2, 3, 4)	236			236	245	0.1	0.0	0.898	A
	Exit	1	1		164			164	164	0.0	0.0	0.000	A

18:00 - 18:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	Entry	1	1	1, 2, 3, 4	245	574	0.427	244	246	0.7	0.5	6.280	A
			2	1, 2, 3, 4	248	574	0.432	248	250	0.6	0.4	6.131	A
		2	1	(1, 2, 3, 4)	492			493	494	0.6	0.1	1.213	A
	Exit	1	1		579			579	564	0.0	0.0	0.000	A
2 - Beehive Site Access	Entry	1	1	1, 2, 3, 4	176	757	0.232	175	169	0.3	0.3	5.230	A
			2	1, 2, 3, 4	171	757	0.225	169	171	0.3	0.2	5.125	A
	Exit	1	1		350			350	344	0.0	0.0	0.000	A
3 - Coldhams Lane (W)	Entry	1	1	1, 2, 3, 4	290	949	0.305	289	282	0.3	0.4	4.401	A
			2	1, 2, 3, 4	289	949	0.304	288	288	0.4	0.4	4.395	A
		2	1	(1, 2, 3, 4)	579			579	569	0.0	0.0	0.007	A
	Exit	1	1		565			565	574	0.0	0.0	0.000	A
4 - Cambridge Retail Park	Entry	1	1	1, 2, 3, 4	107	450	0.238	109	105	0.3	0.2	7.955	A
			2	1, 2, 3, 4	105	450	0.234	106	102	0.3	0.3	7.988	A
		2	1	(1, 2, 3, 4)	213			213	206	0.0	0.0	0.401	A
	Exit	1	1		131			131	128	0.0	0.0	0.000	A

Lane movements: Main Results for each time segment

16:45 - 17:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsig lev se
1 - Coldhams Lane (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	58	15	655	570	0.102	59	60	0.0	0.1	6.788	
				3	169	42	655	571	0.296	170	165	0.0	0.2	6.364	
				4	25	6	655	571	0.043	26	25	0.0	0.0	6.356	
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	61	15	655	572	0.106	61	60	0.0	0.1	6.303	
				3	164	41	655	572	0.287	165	159	0.0	0.3	6.330	
				4	35	9	655	573	0.061	37	28	0.0	0.0	6.205	
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	118	30	-	-	-	119	120	0.0	0.1	1.701	
				3	334	84	-	-	-	334	326	0.0	0.1	1.751	
				4	60	15	-	-	-	60	53	0.0	0.0	1.429	
2 - Beehive Site Access	Entry	1	1	1	67	17	899	746	0.089	66	64	0.0	0.1	5.654	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	100	25	899	747	0.134	99	90	0.0	0.2	5.020	
				4	15	4	875	732	0.020	15	16	0.0	0.0	5.614	
			2	1	64	16	899	748	0.086	64	63	0.0	0.1	5.551	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	100	25	899	748	0.133	101	94	0.0	0.1	5.366	
				4	15	4	852	708	0.022	15	17	0.0	0.0	5.437	
3 - Coldhams Lane (W)	Entry	1	1	1	186	47	1025	943	0.197	184	175	0.0	0.3	4.385	
				2	91	23	1025	943	0.097	91	89	0.0	0.1	4.134	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	26	6	1025	944	0.027	25	26	0.0	0.0	4.233	
			2	1	174	44	1025	945	0.184	173	178	0.0	0.3	4.267	
				2	86	21	1025	943	0.091	85	88	0.0	0.2	4.549	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	30	7	1025	945	0.031	29	25	0.0	0.1	3.865	
		2	1	1	360	90	-	-	-	360	355	0.0	0.0	0.003	
				2	177	44	-	-	-	177	178	0.0	0.0	0.003	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	55	14	-	-	-	55	51	0.0	0.0	0.000	
4 - Cambridge Retail Park	Entry	1	1	1	40	10	632	447	0.090	39	37	0.0	0.2	7.888	
				2	27	7	632	448	0.061	28	29	0.0	0.0	7.461	
				3	34	9	632	449	0.077	34	32	0.0	0.1	8.177	
				4	0.95	0.24	83	59	0.016	0.95	0.53	0.0	0.0	3.439	
			2	1	45	11	632	450	0.100	45	39	0.0	0.0	7.731	
				2	28	7	632	448	0.063	27	26	0.0	0.1	7.871	
				3	31	8	632	450	0.069	31	32	0.0	0.1	8.322	
				4	0	0	83	59	0.000	0	0.53	0.0	0.0	5.654	
		2	1	1	85	21	-	-	-	85	77	0.0	0.0	0.339	
				2	55	14	-	-	-	55	56	0.0	0.0	0.270	
				3	65	16	-	-	-	65	65	0.0	0.0	0.348	
				4	0.95	0.24	-	-	-	0.95	1	0.0	0.0	0.000	

17:00 - 17:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsig lev se
1 - Coldhams Lane (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	69	17	655	559	0.123	69	69	0.1	0.1	6.704	
				3	198	50	655	560	0.354	198	193	0.2	0.4	6.684	
				4	30	8	655	559	0.054	30	28	0.0	0.0	6.541	
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	72	18	655	559	0.129	72	72	0.1	0.1	6.364	
				3	202	51	655	560	0.361	202	200	0.3	0.4	6.414	
				4	34	9	655	556	0.062	34	33	0.0	0.1	6.822	
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	143	36	-	-	-	141	141	0.1	0.2	2.624	
				3	403	101	-	-	-	400	394	0.1	0.6	2.565	
				4	64	16	-	-	-	64	61	0.0	0.0	2.596	
2 - Beehive Site Access	Entry	1	1	1	84	21	899	726	0.116	83	75	0.1	0.2	5.758	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	115	29	899	724	0.159	115	107	0.2	0.2	5.296	
				4	22	5	899	726	0.030	21	21	0.0	0.1	5.550	
			2	1	77	19	899	720	0.107	78	74	0.1	0.1	5.898	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	115	29	899	725	0.159	116	111	0.1	0.2	5.512	
				4	21	5	899	719	0.030	21	19	0.0	0.1	5.770	
3 - Coldhams Lane (W)	Entry	1	1	1	210	52	1025	928	0.226	209	209	0.3	0.3	4.486	
				2	99	25	1025	931	0.106	100	107	0.1	0.1	4.584	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	30	8	1025	931	0.032	31	30	0.0	0.0	4.721	
			2	1	211	53	1025	929	0.227	209	206	0.3	0.3	4.657	
				2	104	26	1025	931	0.112	105	102	0.2	0.1	4.693	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	30	7	1025	936	0.032	30	29	0.1	0.0	4.522	
		2	1	1	420	105	-	-	-	420	415	0.0	0.0	0.009	
				2	203	51	-	-	-	203	208	0.0	0.0	0.004	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	60	15	-	-	-	60	59	0.0	0.0	0.018	
4 - Cambridge Retail Park	Entry	1	1	1	41	10	632	420	0.098	42	50	0.2	0.0	8.448	
				2	28	7	632	408	0.068	29	28	0.0	0.0	9.102	
				3	39	10	632	411	0.094	39	38	0.1	0.1	8.638	
				4	0	0	33	22	0.000	0	0.21	0.0	0.0	5.084	
			2	1	51	13	632	413	0.124	51	47	0.0	0.1	8.517	
				2	30	7	632	411	0.072	31	32	0.1	0.1	7.903	
				3	36	9	632	411	0.088	35	38	0.1	0.1	8.171	
				4	0.32	0.08	50	35	0.009	0.32	0.32	0.0	0.0	5.871	
		2	1	1	92	23	-	-	-	92	97	0.0	0.0	0.651	
				2	57	14	-	-	-	57	60	0.0	0.0	0.704	
				3	75	19	-	-	-	75	76	0.0	0.0	0.613	
				4	0.32	0.08	-	-	-	0.32	0.53	0.0	0.0	0.794	

17:15 - 17:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsig le se
1 - Coldhams Lane (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	82	21	655	537	0.154	82	84	0.1	0.2	6.672	
				3	238	60	655	535	0.445	237	232	0.4	0.4	6.566	
				4	40	10	655	536	0.075	40	37	0.0	0.1	6.352	
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	96	24	655	535	0.180	94	84	0.1	0.3	7.101	
				3	226	56	655	535	0.422	227	224	0.4	0.3	6.759	
				4	34	8	655	536	0.063	34	35	0.1	0.1	6.441	
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	176	44	-	-	-	179	169	0.2	0.1	4.190	
				3	459	115	-	-	-	465	457	0.6	0.2	4.486	
				4	72	18	-	-	-	74	73	0.0	0.0	3.694	
2 - Beehive Site Access	Entry	1	1	1	85	21	899	690	0.123	84	84	0.2	0.2	6.400	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	125	31	899	690	0.181	125	126	0.2	0.3	6.475	
				4	20	5	899	686	0.029	21	26	0.1	0.0	6.860	
			2	1	85	21	899	691	0.123	86	88	0.1	0.2	6.712	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	128	32	899	688	0.185	127	131	0.2	0.2	6.270	
				4	25	6	875	667	0.037	25	24	0.1	0.1	6.344	
3 - Coldhams Lane (W)	Entry	1	1	1	263	66	1025	918	0.286	261	261	0.3	0.5	5.332	
				2	123	31	1025	919	0.134	123	124	0.1	0.2	5.237	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	36	9	1025	920	0.039	36	36	0.0	0.1	5.246	
			2	1	263	66	1025	919	0.286	262	259	0.3	0.3	5.134	
				2	125	31	1025	918	0.136	126	123	0.1	0.2	5.338	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	40	10	1025	921	0.043	41	37	0.0	0.0	5.182	
		2	1	1	526	132	-	-	-	526	521	0.0	0.0	0.051	
				2	249	62	-	-	-	249	248	0.0	0.0	0.018	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	75	19	-	-	-	75	73	0.0	0.0	0.024	
4 - Cambridge Retail Park	Entry	1	1	1	67	17	632	372	0.179	65	58	0.0	0.2	9.439	
				2	43	11	632	371	0.116	43	42	0.0	0.1	9.672	
				3	48	12	632	372	0.129	51	46	0.1	0.1	9.468	
				4	0.32	0.08	116	72	0.004	0	0.63	0.0	0.0	8.413	
			2	1	62	15	632	370	0.167	62	63	0.1	0.2	9.451	
				2	36	9	632	364	0.100	37	37	0.1	0.1	10.692	
				3	46	11	632	369	0.124	47	42	0.1	0.1	9.474	
				4	1	0.32	83	50	0.025	1	0.53	0.0	0.0	10.369	
		2	1	1	128	32	-	-	-	128	122	0.0	0.1	2.242	
				2	80	20	-	-	-	79	79	0.0	0.1	1.953	
				3	94	23	-	-	-	94	88	0.0	0.1	2.295	
				4	2	0.39	-	-	-	2	1	0.0	0.0	2.365	

17:30 - 17:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsig le se
1 - Coldhams Lane (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	81	20	655	535	0.151	81	84	0.2	0.2	7.324	
				3	249	62	655	535	0.465	249	234	0.4	0.4	6.685	
				4	40	10	655	530	0.076	41	38	0.1	0.1	6.798	
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	102	25	655	535	0.190	101	93	0.3	0.3	7.018	
				3	237	59	655	536	0.443	239	231	0.3	0.3	6.859	
				4	38	10	655	533	0.072	37	36	0.1	0.2	6.482	
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	181	45	-	-	-	183	177	0.1	0.3	5.658	
				3	487	122	-	-	-	486	465	0.2	1.1	5.889	
				4	81	20	-	-	-	78	74	0.0	0.2	5.539	
2 - Beehive Site Access	Entry	1	1	1	92	23	899	683	0.134	92	90	0.2	0.2	6.414	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	124	31	899	681	0.182	126	131	0.3	0.2	6.367	
				4	25	6	899	690	0.036	25	23	0.0	0.1	6.169	
			2	1	93	23	899	680	0.137	93	95	0.2	0.2	6.211	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	129	32	899	679	0.191	131	127	0.2	0.2	5.920	
				4	24	6	899	683	0.035	24	25	0.1	0.1	6.712	
3 - Coldhams Lane (W)	Entry	1	1	1	256	64	1025	911	0.282	258	248	0.5	0.4	5.476	
				2	126	31	1025	910	0.138	126	128	0.2	0.2	5.363	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	40	10	1025	911	0.044	40	40	0.1	0.1	5.507	
			2	1	251	63	1025	911	0.276	254	261	0.3	0.2	5.447	
				2	121	30	1025	910	0.133	120	122	0.2	0.2	5.390	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	33	8	1025	910	0.036	33	33	0.0	0.1	5.516	
		2	1	1	507	127	-	-	-	507	508	0.0	0.0	0.120	
				2	246	62	-	-	-	246	250	0.0	0.0	0.143	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	72	18	-	-	-	72	74	0.0	0.0	0.152	
4 - Cambridge Retail Park	Entry	1	1	1	60	15	632	368	0.163	59	58	0.2	0.2	9.737	
				2	39	10	632	371	0.106	39	40	0.1	0.1	9.786	
				3	49	12	632	367	0.132	48	49	0.1	0.1	9.590	
				4	0.32	0.08	83	47	0.007	0.32	0.53	0.0	0.0	13.392	
			2	1	57	14	632	368	0.154	57	58	0.2	0.1	10.502	
				2	40	10	632	371	0.108	40	39	0.1	0.1	10.452	
				3	47	12	632	375	0.126	48	49	0.1	0.1	9.753	
				4	0.95	0.24	116	70	0.014	1	0.74	0.0	0.0	4.415	
		2	1	1	117	29	-	-	-	117	116	0.1	0.1	1.814	
				2	79	20	-	-	-	79	79	0.1	0.0	1.634	
				3	96	24	-	-	-	96	98	0.1	0.0	2.170	
				4	1	0.32	-	-	-	1	1	0.0	0.0	2.290	

17:45 - 18:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsig lev ser
1 - Coldhams Lane (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	69	17	655	559	0.123	69	68	0.2	0.2	6.478	
				3	195	49	655	560	0.348	196	201	0.4	0.4	6.630	
				4	33	8	655	559	0.060	32	29	0.1	0.1	6.039	
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	68	17	655	560	0.122	68	73	0.3	0.1	6.903	
				3	186	47	655	561	0.332	186	187	0.3	0.4	6.652	
				4	30	8	655	557	0.054	30	32	0.2	0.1	7.001	
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	137	34	-	-	-	137	141	0.3	0.1	2.553	
				3	382	96	-	-	-	381	388	1.1	0.4	2.584	
				4	63	16	-	-	-	64	60	0.2	0.0	2.420	
2 - Beehive Site Access	Entry	1	1	1	75	19	899	728	0.104	77	75	0.2	0.1	5.510	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	119	30	899	729	0.164	120	112	0.2	0.2	5.659	
				4	18	4	899	732	0.024	17	21	0.1	0.0	5.974	
			2	1	77	19	899	726	0.106	77	71	0.2	0.1	5.783	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	110	27	899	729	0.150	111	107	0.2	0.2	5.882	
				4	19	5	899	727	0.026	19	21	0.1	0.0	5.116	
3 - Coldhams Lane (W)	Entry	1	1	1	221	55	1025	934	0.237	224	222	0.4	0.2	4.610	
				2	103	26	1025	934	0.110	104	106	0.2	0.1	4.660	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	26	6	1025	933	0.028	26	28	0.1	0.0	4.329	
			2	1	209	52	1025	931	0.224	210	205	0.2	0.3	4.796	
				2	93	23	1025	934	0.100	94	104	0.2	0.1	4.945	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	37	9	1025	934	0.039	37	32	0.1	0.0	4.836	
		2	1	1	430	108	-	-	-	431	427	0.0	0.0	0.030	
				2	196	49	-	-	-	196	209	0.0	0.0	0.002	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	63	16	-	-	-	63	59	0.0	0.0	0.000	
4 - Cambridge Retail Park	Entry	1	1	1	51	13	632	414	0.122	51	51	0.2	0.1	8.811	
				2	32	8	632	416	0.077	32	33	0.1	0.1	8.349	
				3	33	8	632	412	0.081	32	39	0.1	0.1	9.502	
				4	0.32	0.08	33	21	0.015	0.32	0.21	0.0	0.0	6.585	
			2	1	45	11	632	418	0.109	45	51	0.1	0.1	8.977	
				2	34	9	632	415	0.083	33	33	0.1	0.1	8.563	
				3	38	10	632	414	0.092	38	38	0.1	0.1	9.055	
				4	0.95	0.24	133	87	0.011	0.95	1	0.0	0.0	9.146	
		2	1	1	96	24	-	-	-	96	101	0.1	0.0	0.954	
				2	67	17	-	-	-	67	66	0.0	0.0	0.788	
				3	72	18	-	-	-	72	77	0.0	0.0	0.911	
				4	1	0.32	-	-	-	1	1	0.0	0.0	1.327	

18:00 - 18:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsig le se
1 - Coldhams Lane (E)	Entry	1	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	61	15	655	575	0.105	62	61	0.2	0.1	6.537	
				3	162	41	655	575	0.282	160	161	0.4	0.3	6.264	
				4	22	6	655	575	0.039	22	24	0.1	0.1	5.730	
			2	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	63	16	655	575	0.109	63	61	0.1	0.1	5.968	
				3	155	39	655	574	0.270	156	163	0.4	0.2	6.234	
				4	30	8	655	574	0.052	29	25	0.1	0.1	5.883	
		2	1	1	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				2	123	31	-	-	-	123	122	0.1	0.0	1.192	
				3	317	79	-	-	-	318	324	0.4	0.1	1.200	
				4	52	13	-	-	-	52	49	0.0	0.0	1.349	
2 - Beehive Site Access	Entry	1	1	1	64	16	899	756	0.084	65	61	0.1	0.1	5.075	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	97	24	899	757	0.128	95	94	0.2	0.2	5.265	
				4	15	4	899	754	0.020	15	14	0.0	0.0	5.655	
			2	1	64	16	899	756	0.085	63	64	0.1	0.1	5.274	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	93	23	899	755	0.123	92	91	0.2	0.1	5.150	
				4	13	3	804	675	0.020	13	15	0.0	0.0	4.348	
3 - Coldhams Lane (W)	Entry	1	1	1	179	45	1025	950	0.189	178	177	0.2	0.3	4.353	
				2	84	21	1025	947	0.088	84	81	0.1	0.1	4.378	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	27	7	1025	952	0.028	27	24	0.0	0.0	4.827	
			2	1	183	46	1025	948	0.193	183	179	0.3	0.2	4.385	
				2	81	20	1025	950	0.085	79	82	0.1	0.2	4.434	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	25	6	998	924	0.027	25	25	0.0	0.1	4.336	
		2	1	1	362	90	-	-	-	362	356	0.0	0.0	0.008	
				2	165	41	-	-	-	165	163	0.0	0.0	0.006	
				3	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				4	52	13	-	-	-	52	50	0.0	0.0	0.000	
4 - Cambridge Retail Park	Entry	1	1	1	46	12	632	452	0.103	48	41	0.1	0.1	7.967	
				2	31	8	632	451	0.069	30	30	0.1	0.1	7.994	
				3	29	7	632	452	0.064	31	32	0.1	0.0	7.903	
				4	0.63	0.16	83	57	0.011	0.63	0.74	0.0	0.0	7.904	
			2	1	43	11	632	449	0.095	43	42	0.1	0.1	7.690	
				2	33	8	632	454	0.073	33	29	0.1	0.1	8.568	
				3	30	7	632	450	0.066	30	32	0.1	0.1	7.840	
				4	0	0	17	13	0.000	0	0.11	0.0	0.0	12.487	
		2	1	1	89	22	-	-	-	89	83	0.0	0.0	0.436	
				2	64	16	-	-	-	64	59	0.0	0.0	0.328	
				3	59	15	-	-	-	59	64	0.0	0.0	0.426	
				4	0.63	0.16	-	-	-	0.63	0.84	0.0	0.0	0.203	

2030 Base + Prop Dev, AM

Data Errors and Warnings

Severity	Area	Item	Description
Info	Lane Simulation	A1 - [Lane Simulation]	This analysis set uses Lane Simulation mode. For detailed information on this mode, please see the User Guide.

Junction Network

Junctions

Junction	Name	Junction type	Use circulating lanes	Arm order	Junction Delay (s)	Junction LOS
1	untitled	Standard Roundabout		1, 2, 3, 4	6.03	A

Junction Network

Driving side	Lighting	Network delay (s)	Network LOS
Left	Normal/unknown	6.03	A

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)	Run automatically
D5	2030 Base + Prop Dev	AM	ONE HOUR	07:45	09:15	15	✓

Demand overview (Traffic)

Arm	Linked arm	Profile type	Use O-D data	Average Demand (PCU/hr)	Scaling Factor (%)
1 - Coldhams Lane (E)		ONE HOUR	✓	533	100.000
2 - Beehive Site Access		ONE HOUR	✓	5	100.000
3 - Coldhams Lane (W)		ONE HOUR	✓	623	100.000
4 - Cambridge Retail Park		ONE HOUR	✓	143	100.000

Origin-Destination Data

Demand (PCU/hr)

		To			
		1 - Coldhams Lane (E)	2 - Beehive Site Access	3 - Coldhams Lane (W)	4 - Cambridge Retail Park
From	1 - Coldhams Lane (E)	3	13	457	60
	2 - Beehive Site Access	1	0	4	0
	3 - Coldhams Lane (W)	515	45	7	56
	4 - Cambridge Retail Park	81	0	60	2

Vehicle Mix

HV data entry mode	PCU Factor for a HV (PCU)
HV Percentages	2.00

Junction	PCU factor for a cyclist	PCU factor for a cyclist in controlling flow
1	0.20	0.80

Heavy Vehicle %

		To			
		1 - Coldhams Lane (E)	2 - Beehive Site Access	3 - Coldhams Lane (W)	4 - Cambridge Retail Park
From	1 - Coldhams Lane (E)	0	1	1	0
	2 - Beehive Site Access	3	0	1	0
	3 - Coldhams Lane (W)	1	0	0	0
	4 - Cambridge Retail Park	0	0	0	0

Cyclist %

		To		
		1 - Coldhams Lane (E)	2 - Beehive Site Access	3 - Coldha Lane (
From	1 - Coldhams Lane (E)	0	0	0
	2 - Beehive Site Access	0	0	0
	3 - Coldhams Lane (W)	0	0	0
	4 - Cambridge Retail Park	0	0	0

Results

Results Summary for whole modelled period

Arm	Max RFC	Max Delay (s)	Max Queue (PCU)	Max LOS	Average Demand (PCU/hr)	Total Junction Arrivals (PCU)
1 - Coldhams Lane (E)	0.48	7.44	1.2	A	490	735
2 - Beehive Site Access	0.00	5.55	0.0	A	5	7
3 - Coldhams Lane (W)	0.35	4.33	0.9	A	572	857
4 - Cambridge Retail Park	0.17	8.21	0.4	A	130	194

Main Results for each time segment

07:45 - 08:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	406	101	89	1245	0.326	403	396	454	0.0	0.9	6.434	A
2 - Beehive Site Access	3	0.77	449	1553	0.002	3	5	44	0.0	0.0	4.746	A
3 - Coldhams Lane (W)	472	118	46	1995	0.236	471	475	406	0.0	0.6	3.951	A
4 - Cambridge Retail Park	111	28	432	1023	0.109	111	108	85	0.0	0.2	7.225	A

08:00 - 08:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	476	119	107	1265	0.376	475	473	526	0.9	1.1	6.866	A
2 - Beehive Site Access	4	1	527	1462	0.003	4	4	55	0.0	0.0	5.407	A
3 - Coldhams Lane (W)	550	137	59	1995	0.276	548	553	473	0.6	0.7	3.979	A
4 - Cambridge Retail Park	127	32	505	975	0.130	128	125	102	0.2	0.2	7.299	A

08:15 - 08:30

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	583	146	121	1244	0.469	583	585	666	1.1	1.2	7.369	A
2 - Beehive Site Access	4	0.98	643	1380	0.003	4	5	61	0.0	0.0	4.906	A
3 - Coldhams Lane (W)	695	174	69	1974	0.352	693	684	578	0.7	0.9	4.330	A
4 - Cambridge Retail Park	156	39	633	911	0.171	154	157	129	0.2	0.4	8.173	A

08:30 - 08:45

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	590	147	122	1238	0.476	594	586	660	1.2	1.1	7.443	A
2 - Beehive Site Access	6	1	653	1383	0.004	6	6	63	0.0	0.0	5.549	A
3 - Coldhams Lane (W)	681	170	73	1993	0.342	682	689	586	0.9	0.7	4.305	A
4 - Cambridge Retail Park	156	39	626	939	0.166	156	159	129	0.4	0.4	8.212	A

08:45 - 09:00

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	480	120	98	1251	0.384	481	486	538	1.1	0.7	6.737	A
2 - Beehive Site Access	5	1	527	1435	0.004	5	5	51	0.0	0.0	5.411	A
3 - Coldhams Lane (W)	563	141	60	2026	0.278	564	563	472	0.7	0.7	4.106	A
4 - Cambridge Retail Park	123	31	514	995	0.123	122	125	111	0.4	0.3	7.332	A

09:00 - 09:15

Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Circulating flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Throughput (exit side) (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	405	101	81	1245	0.326	408	404	455	0.7	0.7	6.490	A
2 - Beehive Site Access	5	1	447	1525	0.003	5	5	41	0.0	0.0	4.745	A
3 - Coldhams Lane (W)	469	117	50	2033	0.231	471	468	402	0.7	0.4	3.918	A
4 - Cambridge Retail Park	106	26	431	1012	0.104	105	105	90	0.3	0.2	7.020	A

Lane Results

Lane Level notation: Lane Level 1 is always closest to the junction.

Lanes: Main Results for each time segment

07:45 - 08:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	Entry	1	1	1, 2, 3, 4	204	630	0.324	203	200	0.0	0.4	5.660	A
			2	1, 2, 3, 4	202	630	0.321	200	196	0.0	0.4	5.933	A
		2	1	(1, 2, 3, 4)	406			406	399	0.0	0.1	0.639	A
	Exit	1	1		454			454	457	0.0	0.0	0.000	A
2 - Beehive Site Access	Entry	1	1	1, 2, 3, 4	1	751	0.002	1	2	0.0	0.0	5.560	A
			2	1, 2, 3, 4	2	751	0.002	2	2	0.0	0.0	3.959	A
	Exit	1	1		44			44	43	0.0	0.0	0.000	A
3 - Coldhams Lane (W)	Entry	1	1	1, 2, 3, 4	234	1008	0.232	234	238	0.0	0.3	3.972	A
			2	1, 2, 3, 4	238	1008	0.236	238	237	0.0	0.3	3.929	A
		2	1	(1, 2, 3, 4)	472			472	477	0.0	0.0	0.001	A
	Exit	1	1		406			406	396	0.0	0.0	0.000	A
4 - Cambridge Retail Park	Entry	1	1	1, 2, 3, 4	55	511	0.107	55	54	0.0	0.1	7.237	A
			2	1, 2, 3, 4	56	511	0.110	56	54	0.0	0.1	7.045	A
		2	1	(1, 2, 3, 4)	111			111	109	0.0	0.0	0.084	A
	Exit	1	1		85			85	87	0.0	0.0	0.000	A

08:00 - 08:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	Entry	1	1	1, 2, 3, 4	236	625	0.378	235	235	0.4	0.5	5.852	A
			2	1, 2, 3, 4	240	625	0.383	239	239	0.4	0.5	5.727	A
		2	1	(1, 2, 3, 4)	476			476	474	0.1	0.2	1.075	A
	Exit	1	1		526			526	532	0.0	0.0	0.000	A
2 - Beehive Site Access	Entry	1	1	1, 2, 3, 4	2	725	0.003	2	2	0.0	0.0	5.589	A
			2	1, 2, 3, 4	2	725	0.003	2	2	0.0	0.0	5.153	A
	Exit	1	1		55			55	52	0.0	0.0	0.000	A
3 - Coldhams Lane (W)	Entry	1	1	1, 2, 3, 4	274	1003	0.273	273	276	0.3	0.3	4.041	A
			2	1, 2, 3, 4	276	1003	0.275	275	277	0.3	0.4	3.913	A
		2	1	(1, 2, 3, 4)	550			550	554	0.0	0.0	0.002	A
	Exit	1	1		473			473	469	0.0	0.0	0.000	A
4 - Cambridge Retail Park	Entry	1	1	1, 2, 3, 4	65	491	0.133	66	62	0.1	0.1	7.442	A
			2	1, 2, 3, 4	62	491	0.126	62	63	0.1	0.1	6.929	A
		2	1	(1, 2, 3, 4)	127			127	126	0.0	0.0	0.115	A
	Exit	1	1		102			102	103	0.0	0.0	0.000	A

08:15 - 08:30

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	Entry	1	1	1, 2, 3, 4	293	621	0.472	293	294	0.5	0.4	5.818	A
			2	1, 2, 3, 4	290	621	0.467	289	290	0.5	0.4	5.834	A
		2	1	(1, 2, 3, 4)	583			583	584	0.2	0.3	1.542	A
	Exit	1	1		666			666	659	0.0	0.0	0.000	A
2 - Beehive Site Access	Entry	1	1	1, 2, 3, 4	2	687	0.003	2	2	0.0	0.0	5.131	A
			2	1, 2, 3, 4	2	687	0.003	2	2	0.0	0.0	4.648	A
	Exit	1	1		61			61	62	0.0	0.0	0.000	A
3 - Coldhams Lane (W)	Entry	1	1	1, 2, 3, 4	346	1000	0.346	345	340	0.3	0.5	4.308	A
			2	1, 2, 3, 4	350	1000	0.350	348	343	0.4	0.4	4.323	A
		2	1	(1, 2, 3, 4)	695			695	684	0.0	0.0	0.015	A
	Exit	1	1		578			578	580	0.0	0.0	0.000	A
4 - Cambridge Retail Park	Entry	1	1	1, 2, 3, 4	79	455	0.173	78	79	0.1	0.2	7.877	A
			2	1, 2, 3, 4	77	455	0.168	76	78	0.1	0.2	7.912	A
		2	1	(1, 2, 3, 4)	156			155	158	0.0	0.0	0.275	A
	Exit	1	1		129			129	129	0.0	0.0	0.000	A

08:30 - 08:45

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	Entry	1	1	1, 2, 3, 4	295	621	0.476	297	293	0.4	0.4	5.834	A
			2	1, 2, 3, 4	297	621	0.478	297	293	0.4	0.5	5.777	A
		2	1	(1, 2, 3, 4)	590			592	586	0.3	0.2	1.640	A
	Exit	1	1		660			660	666	0.0	0.0	0.000	A
2 - Beehive Site Access	Entry	1	1	1, 2, 3, 4	2	683	0.004	2	3	0.0	0.0	4.283	A
			2	1, 2, 3, 4	3	683	0.005	3	3	0.0	0.0	6.678	A
	Exit	1	1		63			63	64	0.0	0.0	0.000	A
3 - Coldhams Lane (W)	Entry	1	1	1, 2, 3, 4	338	998	0.339	340	344	0.5	0.3	4.286	A
			2	1, 2, 3, 4	342	998	0.343	342	345	0.4	0.4	4.311	A
		2	1	(1, 2, 3, 4)	681			681	688	0.0	0.0	0.006	A
	Exit	1	1		586			586	582	0.0	0.0	0.000	A
4 - Cambridge Retail Park	Entry	1	1	1, 2, 3, 4	80	457	0.175	79	80	0.2	0.2	7.826	A
			2	1, 2, 3, 4	76	457	0.166	77	79	0.2	0.2	8.077	A
		2	1	(1, 2, 3, 4)	156			156	159	0.0	0.0	0.254	A
	Exit	1	1		129			129	127	0.0	0.0	0.000	A

08:45 - 09:00

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	Entry	1	1	1, 2, 3, 4	240	628	0.382	239	242	0.4	0.4	5.746	A
			2	1, 2, 3, 4	241	628	0.385	242	244	0.5	0.2	5.728	A
		2	1	(1, 2, 3, 4)	480			481	485	0.2	0.0	1.001	A
	Exit	1	1		538			538	541	0.0	0.0	0.000	A
2 - Beehive Site Access	Entry	1	1	1, 2, 3, 4	3	725	0.004	3	3	0.0	0.0	4.799	A
			2	1, 2, 3, 4	3	725	0.004	2	2	0.0	0.0	6.073	A
	Exit	1	1		51			51	54	0.0	0.0	0.000	A
3 - Coldhams Lane (W)	Entry	1	1	1, 2, 3, 4	285	1003	0.284	285	280	0.3	0.4	4.134	A
			2	1, 2, 3, 4	278	1003	0.277	279	283	0.4	0.3	4.078	A
		2	1	(1, 2, 3, 4)	563			563	563	0.0	0.0	0.000	A
	Exit	1	1		472			472	475	0.0	0.0	0.000	A
4 - Cambridge Retail Park	Entry	1	1	1, 2, 3, 4	61	488	0.125	60	61	0.2	0.1	7.262	A
			2	1, 2, 3, 4	62	488	0.126	62	64	0.2	0.2	7.284	A
		2	1	(1, 2, 3, 4)	123			123	125	0.0	0.0	0.073	A
	Exit	1	1		111			111	109	0.0	0.0	0.000	A

09:00 - 09:15

Arm	Side	Lane level	Lane	Destination arms	Total Demand (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsignalised level of service
1 - Coldhams Lane (E)	Entry	1	1	1, 2, 3, 4	206	632	0.327	207	203	0.4	0.3	5.776	A
			2	1, 2, 3, 4	200	632	0.316	200	201	0.2	0.3	5.848	A
		2	1	(1, 2, 3, 4)	405			406	404	0.0	0.1	0.678	A
	Exit	1	1		455			455	450	0.0	0.0	0.000	A
2 - Beehive Site Access	Entry	1	1	1, 2, 3, 4	3	751	0.004	3	3	0.0	0.0	4.235	A
			2	1, 2, 3, 4	2	751	0.003	2	2	0.0	0.0	5.488	A
	Exit	1	1		41			41	41	0.0	0.0	0.000	A
3 - Coldhams Lane (W)	Entry	1	1	1, 2, 3, 4	229	1007	0.227	230	234	0.4	0.2	3.893	A
			2	1, 2, 3, 4	240	1007	0.238	241	234	0.3	0.2	3.944	A
		2	1	(1, 2, 3, 4)	469			469	467	0.0	0.0	0.000	A
	Exit	1	1		402			402	402	0.0	0.0	0.000	A
4 - Cambridge Retail Park	Entry	1	1	1, 2, 3, 4	54	512	0.106	54	53	0.1	0.1	6.949	A
			2	1, 2, 3, 4	52	512	0.101	51	52	0.2	0.1	6.963	A
		2	1	(1, 2, 3, 4)	106			106	105	0.0	0.0	0.064	A
	Exit	1	1		90			90	89	0.0	0.0	0.000	A

Lane movements: Main Results for each time segment

07:45 - 08:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsig lev se
1 - Coldhams Lane (E)	Entry	1	1	1	0.83	0.21	188	181	0.005	0.83	1	0.0	0.0	5.369	
				2	4	0.98	493	475	0.008	4	5	0.0	0.0	5.644	
				3	177	44	655	630	0.281	177	173	0.0	0.3	5.652	
				4	22	5	655	630	0.035	22	22	0.0	0.0	5.741	
			2	1	1	0.36	143	138	0.010	1	0.99	0.0	0.0	5.388	
				2	5	1	460	443	0.012	5	5	0.0	0.0	4.695	
				3	175	44	655	630	0.278	174	167	0.0	0.4	5.919	
				4	20	5	655	631	0.032	20	23	0.0	0.1	6.319	
		2	1	1	2	0.56	-	-	-	2	2	0.0	0.0	1.099	
				2	9	2	-	-	-	9	10	0.0	0.0	0.667	
				3	352	88	-	-	-	352	342	0.0	0.1	0.629	
				4	42	11	-	-	-	42	45	0.0	0.0	0.684	
2 - Beehive Site Access	Entry	1	1	1	0.12	0.03	71	59	0.002	0.12	0.40	0.0	0.0	8.103	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	1	0.33	365	308	0.004	1	2	0.0	0.0	5.073	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
			2	1	0.59	0.15	98	83	0.007	0.59	0.44	0.0	0.0	3.316	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	1	0.27	356	300	0.004	1	2	0.0	0.0	4.110	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
3 - Coldhams Lane (W)	Entry	1	1	1	196	49	1025	1008	0.194	196	198	0.0	0.2	3.964	
				2	16	4	1015	997	0.016	16	16	0.0	0.0	4.197	
				3	2	0.50	487	479	0.004	2	3	0.0	0.0	4.063	
				4	21	5	1015	997	0.021	20	21	0.0	0.0	3.866	
			2	1	194	48	1025	1008	0.192	194	196	0.0	0.2	3.922	
				2	19	5	984	967	0.020	19	17	0.0	0.0	3.978	
				3	3	0.74	426	418	0.007	3	2	0.0	0.0	4.139	
				4	22	5	1025	1007	0.022	22	21	0.0	0.0	3.929	
		2	1	1	389	97	-	-	-	389	397	0.0	0.0	0.000	
				2	35	9	-	-	-	35	34	0.0	0.0	0.003	
				3	5	1	-	-	-	5	5	0.0	0.0	0.000	
				4	43	11	-	-	-	43	42	0.0	0.0	0.002	
4 - Cambridge Retail Park	Entry	1	1	1	30	7	632	511	0.058	30	29	0.0	0.1	7.298	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	25	6	632	512	0.048	25	24	0.0	0.0	7.225	
				4	0.48	0.12	94	75	0.006	0.48	0.67	0.0	0.0	5.006	
			2	1	32	8	632	510	0.064	32	30	0.0	0.1	7.064	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	23	6	626	507	0.046	24	23	0.0	0.0	6.996	
				4	0.59	0.15	94	76	0.008	0.71	0.67	0.0	0.0	7.845	
		2	1	1	62	16	-	-	-	62	60	0.0	0.0	0.093	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	48	12	-	-	-	48	48	0.0	0.0	0.074	
				4	1	0.27	-	-	-	1	1	0.0	0.0	0.013	

08:00 - 08:15

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsig lev se
1 - Coldhams Lane (E)	Entry	1	1	1	0.95	0.24	169	161	0.006	0.95	1	0.0	0.0	4.750	
				2	6	2	493	472	0.013	6	6	0.0	0.0	6.719	
				3	203	51	655	625	0.325	202	202	0.3	0.4	5.851	
				4	26	7	655	627	0.041	26	25	0.0	0.0	5.697	
			2	1	1	0.30	227	218	0.005	1	2	0.0	0.0	4.836	
				2	6	1	506	483	0.012	6	6	0.0	0.0	5.297	
				3	204	51	655	625	0.327	204	203	0.4	0.4	5.743	
				4	28	7	655	626	0.045	29	28	0.1	0.0	5.747	
		2	1	1	2	0.53	-	-	-	2	3	0.0	0.0	0.986	
				2	12	3	-	-	-	12	12	0.0	0.0	1.010	
				3	407	102	-	-	-	407	406	0.1	0.1	1.093	
				4	55	14	-	-	-	54	53	0.0	0.0	0.956	
2 - Beehive Site Access	Entry	1	1	1	0.48	0.12	98	80	0.006	0.48	0.51	0.0	0.0	5.763	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	2	0.50	347	280	0.007	2	2	0.0	0.0	5.546	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
			2	1	0	0	27	21	0.000	0	0.16	0.0	0.0	1.728	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	2	0.48	267	216	0.009	2	2	0.0	0.0	5.410	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
3 - Coldhams Lane (W)	Entry	1	1	1	227	57	1025	1003	0.226	226	230	0.2	0.3	4.082	
				2	21	5	1025	1004	0.021	21	19	0.0	0.0	3.765	
				3	3	0.74	497	487	0.006	3	3	0.0	0.0	4.129	
				4	23	6	1015	994	0.023	23	24	0.0	0.0	3.860	
			2	1	228	57	1025	1003	0.228	228	229	0.2	0.3	3.888	
				2	22	5	1025	1002	0.022	22	21	0.0	0.0	3.933	
				3	3	0.74	558	547	0.005	3	3	0.0	0.0	3.684	
				4	22	6	1015	994	0.023	22	24	0.0	0.0	4.168	
		2	1	1	455	114	-	-	-	455	460	0.0	0.0	0.002	
				2	43	11	-	-	-	43	40	0.0	0.0	0.001	
				3	6	1	-	-	-	6	6	0.0	0.0	0.000	
				4	46	11	-	-	-	46	48	0.0	0.0	0.000	
4 - Cambridge Retail Park	Entry	1	1	1	36	9	632	491	0.074	37	35	0.1	0.0	7.454	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	28	7	632	494	0.056	28	26	0.0	0.0	7.372	
				4	1	0.30	119	94	0.013	1	0.87	0.0	0.0	9.089	
			2	1	33	8	632	492	0.067	32	34	0.1	0.1	7.030	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	29	7	632	492	0.058	29	28	0.0	0.0	6.746	
				4	0.48	0.12	119	93	0.005	0.48	0.91	0.0	0.0	8.681	
		2	1	1	69	17	-	-	-	69	70	0.0	0.0	0.116	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	56	14	-	-	-	56	54	0.0	0.0	0.114	
				4	2	0.42	-	-	-	2	2	0.0	0.0	0.137	

08:15 - 08:30

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsig lev se
1 - Coldhams Lane (E)	Entry	1	1	1	2	0.59	259	246	0.010	2	2	0.0	0.0	5.768	
				2	7	2	538	510	0.014	7	7	0.0	0.0	5.390	
				3	255	64	655	621	0.410	255	254	0.4	0.4	5.821	
				4	29	7	655	622	0.046	29	32	0.0	0.0	5.888	
			2	1	1	0.33	214	202	0.006	1	2	0.0	0.0	5.835	
				2	6	1	473	448	0.013	6	6	0.0	0.0	5.754	
				3	249	62	655	621	0.401	248	249	0.4	0.4	5.834	
				4	33	8	655	621	0.054	34	33	0.0	0.0	5.848	
		2	1	1	4	0.92	-	-	-	4	4	0.0	0.0	1.545	
				2	13	3	-	-	-	13	13	0.0	0.0	1.418	
				3	505	126	-	-	-	504	503	0.1	0.3	1.564	
				4	62	16	-	-	-	62	65	0.0	0.0	1.395	
2 - Beehive Site Access	Entry	1	1	1	0	0	89	69	0.000	0	0.40	0.0	0.0	6.736	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	2	0.45	356	273	0.007	2	2	0.0	0.0	4.828	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
			2	1	0.36	0.09	89	69	0.005	0.36	0.48	0.0	0.0	3.915	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	2	0.45	285	221	0.008	2	2	0.0	0.0	4.831	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
3 - Coldhams Lane (W)	Entry	1	1	1	285	71	1025	1000	0.285	285	281	0.3	0.4	4.314	
				2	24	6	1025	1000	0.024	24	24	0.0	0.0	4.050	
				3	4	1	670	655	0.006	4	4	0.0	0.0	4.373	
				4	32	8	1025	998	0.032	32	32	0.0	0.0	4.438	
			2	1	290	73	1025	1000	0.291	289	284	0.3	0.4	4.351	
				2	24	6	1025	999	0.024	24	25	0.0	0.0	4.117	
				3	4	0.92	599	583	0.006	4	4	0.0	0.0	3.959	
				4	32	8	1025	999	0.032	32	31	0.0	0.0	4.271	
		2	1	1	576	144	-	-	-	576	566	0.0	0.0	0.015	
				2	48	12	-	-	-	48	48	0.0	0.0	0.018	
				3	8	2	-	-	-	8	8	0.0	0.0	0.000	
				4	64	16	-	-	-	64	62	0.0	0.0	0.011	
4 - Cambridge Retail Park	Entry	1	1	1	44	11	632	456	0.097	44	44	0.0	0.1	8.057	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	33	8	632	458	0.073	33	34	0.0	0.1	7.719	
				4	1	0.30	156	116	0.010	1	1	0.0	0.0	5.633	
			2	1	45	11	632	456	0.098	45	46	0.1	0.1	8.029	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	31	8	632	458	0.068	30	31	0.0	0.1	7.711	
				4	0.95	0.24	138	101	0.009	0.95	0.91	0.0	0.0	9.006	
		2	1	1	89	22	-	-	-	89	90	0.0	0.0	0.292	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	64	16	-	-	-	64	66	0.0	0.0	0.254	
				4	2	0.53	-	-	-	2	2	0.0	0.0	0.205	

08:30 - 08:45

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsig lev se
1 - Coldhams Lane (E)	Entry	1	1	1	1	0.33	188	178	0.007	1	1	0.0	0.0	6.055	
				2	11	3	551	521	0.021	11	8	0.0	0.0	5.694	
				3	250	62	655	621	0.403	251	252	0.4	0.4	5.860	
				4	33	8	655	620	0.054	34	32	0.0	0.1	5.657	
			2	1	1	0.36	227	214	0.007	1	2	0.0	0.0	5.924	
				2	6	2	532	502	0.012	6	7	0.0	0.0	5.743	
				3	255	64	655	620	0.411	256	251	0.4	0.4	5.816	
				4	34	8	655	619	0.055	34	33	0.0	0.1	5.483	
		2	1	1	3	0.68	-	-	-	3	3	0.0	0.0	0.822	
				2	17	4	-	-	-	17	15	0.0	0.0	1.736	
				3	503	126	-	-	-	505	503	0.3	0.2	1.631	
				4	67	17	-	-	-	67	65	0.0	0.0	1.722	
2 - Beehive Site Access	Entry	1	1	1	0.36	0.09	89	67	0.005	0.36	0.40	0.0	0.0	4.692	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	2	0.53	365	279	0.008	2	2	0.0	0.0	4.210	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
			2	1	0.83	0.21	134	102	0.008	0.83	0.83	0.0	0.0	6.596	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	2	0.62	392	302	0.008	2	2	0.0	0.0	6.701	
				4	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
3 - Coldhams Lane (W)	Entry	1	1	1	283	71	1025	999	0.284	284	285	0.4	0.3	4.308	
				2	21	5	1025	998	0.021	22	24	0.0	0.0	4.255	
				3	4	0.92	599	584	0.006	4	4	0.0	0.0	3.763	
				4	30	8	1025	998	0.030	31	31	0.0	0.0	4.167	
			2	1	284	71	1025	998	0.285	284	287	0.4	0.4	4.323	
				2	25	6	1025	998	0.025	25	24	0.0	0.0	4.422	
				3	4	0.98	639	623	0.006	4	4	0.0	0.0	3.581	
				4	29	7	1025	998	0.030	29	29	0.0	0.0	4.210	
		2	1	1	568	142	-	-	-	568	571	0.0	0.0	0.006	
				2	46	11	-	-	-	46	49	0.0	0.0	0.011	
				3	8	2	-	-	-	8	8	0.0	0.0	0.003	
				4	60	15	-	-	-	60	60	0.0	0.0	0.002	
4 - Cambridge Retail Park	Entry	1	1	1	47	12	632	456	0.104	47	47	0.1	0.1	7.819	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	32	8	632	457	0.069	31	32	0.1	0.1	7.857	
				4	0.83	0.21	138	100	0.008	0.95	0.95	0.0	0.0	7.145	
			2	1	42	10	632	457	0.091	41	44	0.1	0.1	8.071	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	34	8	632	456	0.074	35	34	0.1	0.0	8.132	
				4	0.95	0.24	150	106	0.009	0.95	1	0.0	0.0	6.606	
		2	1	1	89	22	-	-	-	89	91	0.0	0.0	0.219	
				2	0	0	0	0	0.000	0	0	0.0	0.0	0.000	
				3	65	16	-	-	-	65	66	0.0	0.0	0.300	
				4	2	0.45	-	-	-	2	2	0.0	0.0	0.275	

08:45 - 09:00

Arm	Side	Lane level	Lane	To Arm	Total Demand (PCU/hr)	Junction Arrivals (PCU)	Simulation max flow (PCU/hr)	Capacity (PCU/hr)	RFC	Throughput (PCU/hr)	Average throughput (PCU/hr)	Start queue (PCU)	End queue (PCU)	Delay (s)	Unsig lev se
1 - Coldhams Lane (E)	Entry	1	1	1	1	0.33	169	161	0.008	1	1	0.0	0.0	4.924	
				2	5	1	545	521	0.011	5	6	0.0	0.0	6.440	
				3	204	51	655	627	0.325	204	206	0.4	0.3	5.752	
				4	29	7	655	626	0.047	29	29	0.1	0.1	5.591	
			2	1	1	0.36	201	192	0.007	1	1	0.0	0.0	6.164	
				2	6	1	519	495	0.011	6	6	0.0	0.0	6.919	
				3	209	52	655	627	0.332	209	207	0.4	0.2	5.668	
				4	26	6	655	627	0.041	26	29	0.1	0.0	5.868	
		2	1	1	3	0.68	-	-	-	3	3	0.0	0.0	1.255	
				2	11	3	-	-	-	11	12	0.0	0.0	1.101	
				3	411	103	-	-	-	413	412	0.2	0.0	0.998	
				4	55	14	-	-	-	55	58	0.0	0.0	0.989	

Basic Results Summary

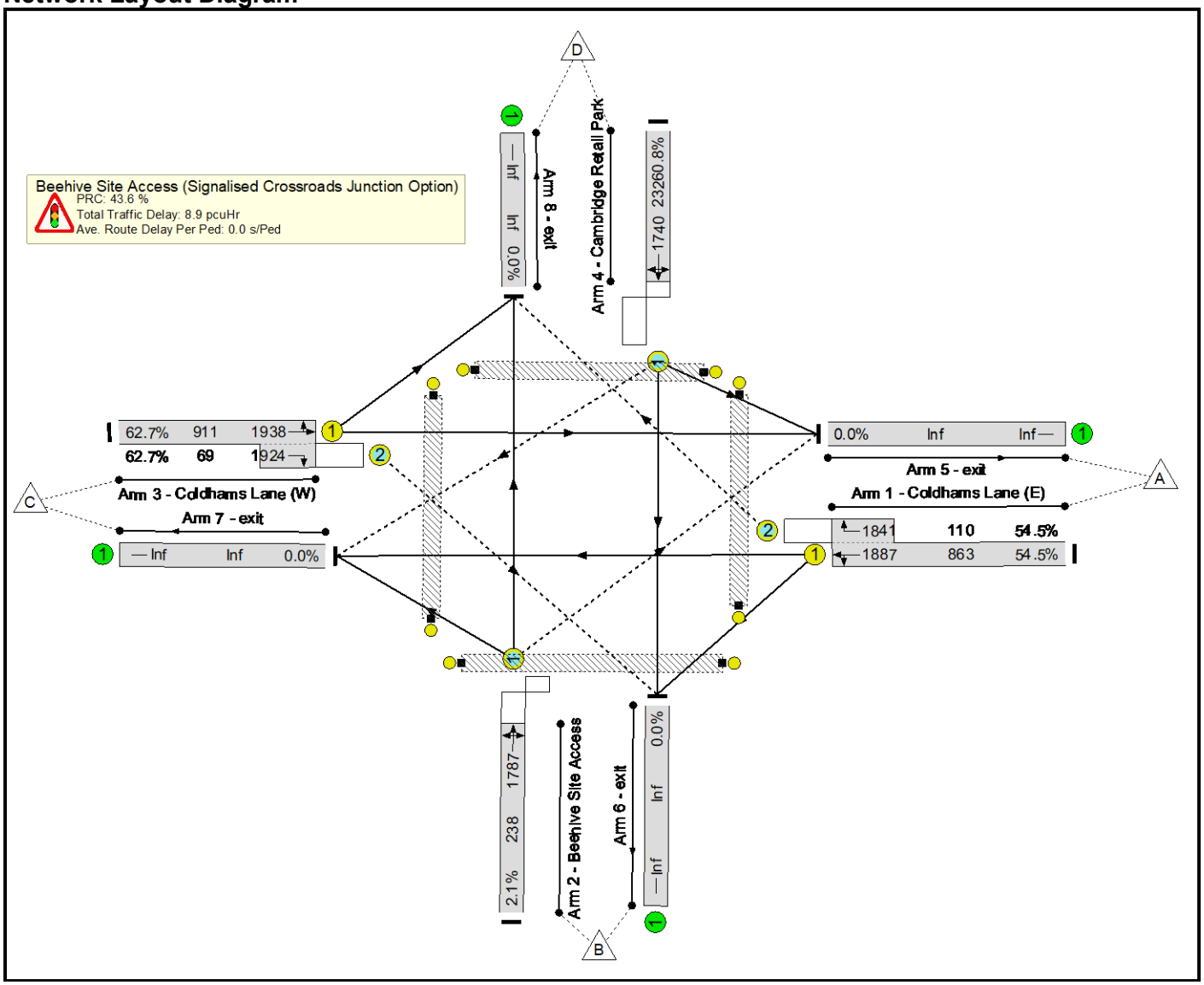
User and Project Details

Project:	**Beehive Redevelopment**
Title:	**Site Access CYCLOPS Signalised Crossroad Junction**
Location:	Beehive Centre, Cambridge
Client:	Railway Pension Nominees Limited
Design Layout Ref:	WIE-17469-SA-05-0073-P02
Date Started:	July 2024
Date Completed:	July 2024
Model Assumptions:	Based on a concept drawing design so model will be subject to change
Checked By:	MS
Checked By Date:	July 2024
Additional detail:	
File name:	Beehive Site Access (Cyclops).lsg3x
Author:	JH
Company:	Waterman Infrastructure and Environment
Address:	Pickfords Wharf, Clink Street, London, SE1 9DG

Basic Results Summary

Scenario 1: 'S1 (TA Flows) AM Peak' (FG1: 'Scenario 1 AM Peak', Plan 1: 'Network Control Plan 1')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Site Access CYCLOPS Signalised Crossroad Junction	-	-	-		-	-	-	-	-	-	**62.7%**	**162**	**0**	**3**	**8.9**	-	-
Beehive Site Access (Signalised Crossroads Junction Option)	-	-	-		-	-	-	-	-	-	**62.7%**	**162**	**0**	**3**	**8.9**	-	-
1/1+1/2	Coldhams Lane (E) Left Ahead Right	U+O	A		1	44	-	530	1887:1841	863+110	54.5 : 54.5%	59	0	1	3.0	20.2	8.9
2/1	Beehive Site Access Right Left Ahead	O	B		1	11	-	5	1787	238	2.1%	1	0	0	0.1	42.0	0.1
3/1+3/2	Coldhams Lane (W) Ahead Right Left	U+O	C		1	44	-	614	1938:1924	911+69	62.7 : 62.7%	43	0	0	3.6	21.4	11.7
4/1	Cambridge Retail Park Left Ahead Right	O	D		1	11	-	141	1740	232	60.8%	59	0	1	2.2	56.4	4.1
Ped Link: P1	Coldhams Lane (E) crossing	-	E		1	6	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Beehive Site Access	-	F		1	7	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P3	Coldhams Lane (W) crossing	-	G		1	7	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P4	CRP crossing	-	H		1	6	-	0	-	0	0.0%	-	-	-	-	-	-

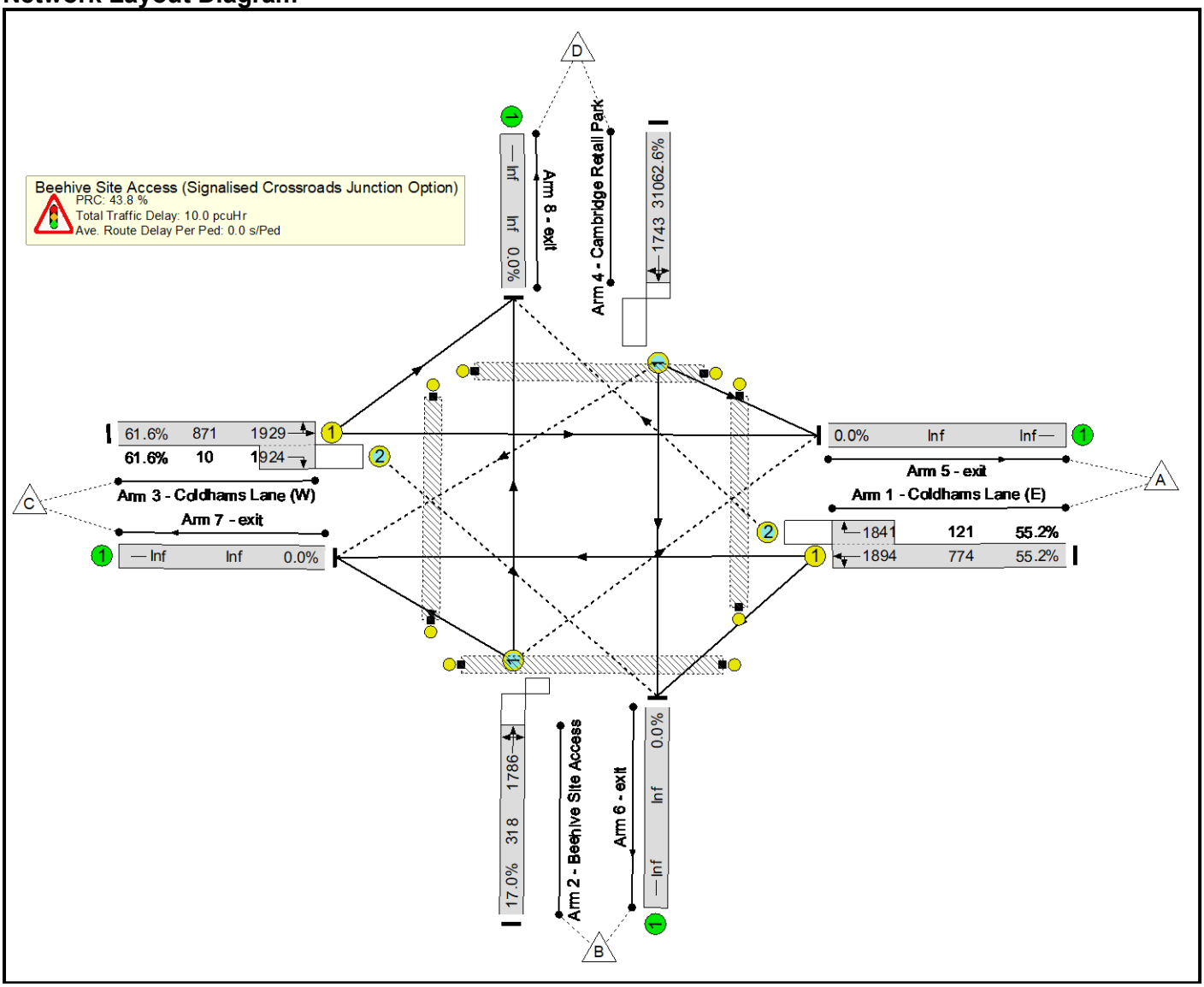
C1 PRC for Signalled Lanes (%): 43.6 Total Delay for Signalled Lanes (pcuHr): 8.89 Cycle Time (s): 90

PRC Over All Lanes (%): 43.6 Total Delay Over All Lanes(pcuHr): 8.89

Basic Results Summary

Scenario 2: 'S1 (TA Flows) PM Peak' (FG2: 'Scenario 1 PM Peak', Plan 1: 'Network Control Plan 1')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Site Access CYCLOPS Signalised Crossroad Junction	-	-	-		-	-	-	-	-	-	**62.6%**	**168**	**0**	**3**	**10.0**	-	-
Beehive Site Access (Signalised Crossroads Junction Option)	-	-	-		-	-	-	-	-	-	**62.6%**	**168**	**0**	**3**	**10.0**	-	-
1/1+1/2	Coldhams Lane (E) Left Ahead Right	U+O	A		1	40	-	494	1894:1841	774+121	55.2 : 55.2%	66	0	1	3.2	23.1	8.8
2/1	Beehive Site Access Right Left Ahead	O	B		1	15	-	54	1786	318	17.0%	12	0	0	0.6	38.3	1.2
3/1+3/2	Coldhams Lane (W) Ahead Right Left	U+O	C		1	40	-	543	1929:1924	871+10	61.6 : 61.6%	6	0	0	3.6	23.9	11.0
4/1	Cambridge Retail Park Left Ahead Right	O	D		1	15	-	194	1743	310	62.6%	84	0	2	2.7	49.8	5.3
Ped Link: P1	Coldhams Lane (E) crossing	-	E		1	6	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Beehive Site Access	-	F		1	7	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P3	Coldhams Lane (W) crossing	-	G		1	7	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P4	CRP crossing	-	H		1	6	-	0	-	0	0.0%	-	-	-	-	-	-

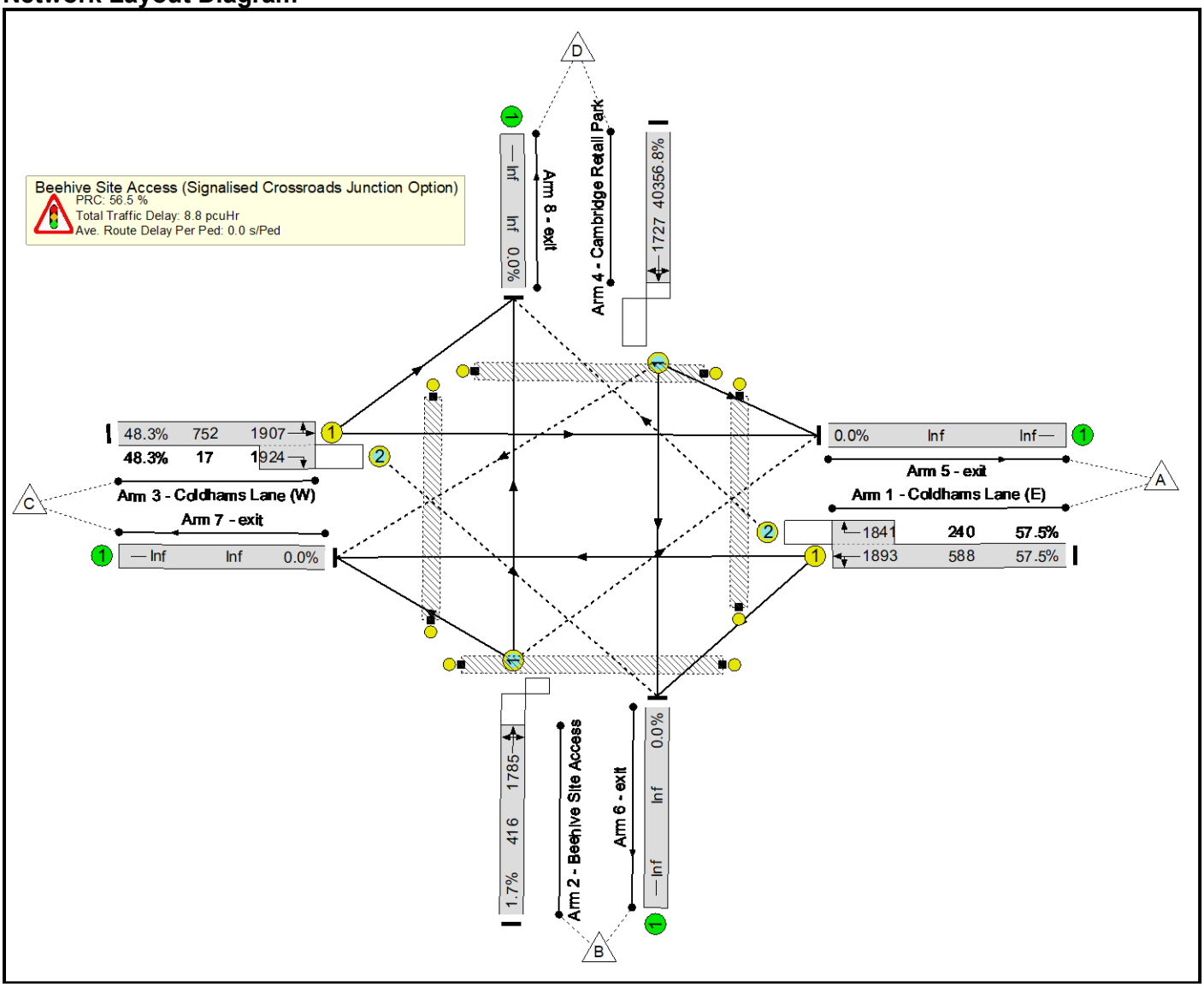
C1 PRC for Signalled Lanes (%): 43.8 Total Delay for Signalled Lanes (pcuHr): 10.02 Cycle Time (s): 90

PRC Over All Lanes (%): 43.8 Total Delay Over All Lanes(pcuHr): 10.02

Basic Results Summary

Scenario 3: 'S1 (TA Flows) SAT Peak' (FG3: 'Scenario 1 SAT Peak', Plan 1: 'Network Control Plan 1')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Site Access CYCLOPS Signalised Crossroad Junction	-	-	-		-	-	-	-	-	-	**57.5%**	**227**	**0**	**3**	**8.8**	-	-
Beehive Site Access (Signalised Crossroads Junction Option)	-	-	-		-	-	-	-	-	-	**57.5%**	**227**	**0**	**3**	**8.8**	-	-
1/1+1/2	Coldhams Lane (E) Left Ahead Right	U+O	A		1	35	-	476	1893:1841	588+240	57.5 : 57.5%	136	0	2	3.6	27.3	7.9
2/1	Beehive Site Access Right Left Ahead	O	B		1	20	-	7	1785	416	1.7%	2	0	0	0.1	31.2	0.1
3/1+3/2	Coldhams Lane (W) Ahead Right Left	U+O	C		1	35	-	371	1907:1924	752+17	48.3 : 48.3%	8	0	0	2.5	24.6	7.2
4/1	Cambridge Retail Park Left Ahead Right	O	D		1	20	-	229	1727	403	56.8%	80	0	2	2.6	40.8	5.7
Ped Link: P1	Coldhams Lane (E) crossing	-	E		1	6	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Beehive Site Access	-	F		1	7	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P3	Coldhams Lane (W) crossing	-	G		1	7	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P4	CRP crossing	-	H		1	6	-	0	-	0	0.0%	-	-	-	-	-	-

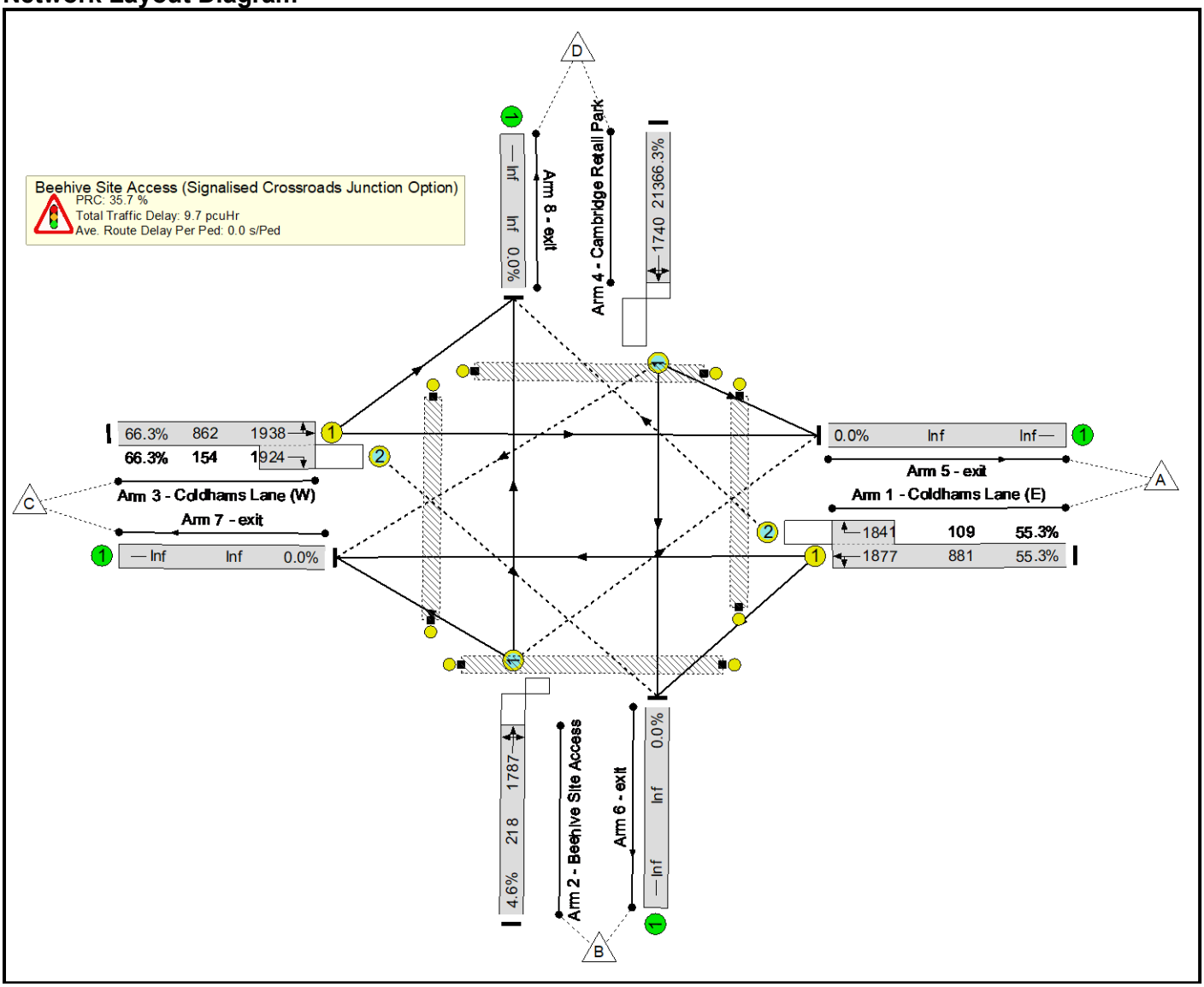
C1 PRC for Signalled Lanes (%): 56.5 Total Delay for Signalled Lanes (pcuHr): 8.80 Cycle Time (s): 90

PRC Over All Lanes (%): 56.5 Total Delay Over All Lanes(pcuHr): 8.80

Basic Results Summary

Scenario 4: 'S3 (11.5% Car MS) AM Peak' (FG4: 'Scenario 3 AM Peak', Plan 1: 'Network Control Plan 1')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Site Access CYCLOPS Signalised Crossroad Junction	**-**	**-**	**-**		**-**	**-**	**-**	**-**	**-**	**-**	**66.3%**	**221**	**0**	**3**	**9.7**	**-**	**-**
Beehive Site Access (Signalised Crossroads Junction Option)	**-**	**-**	**-**		**-**	**-**	**-**	**-**	**-**	**-**	**66.3%**	**221**	**0**	**3**	**9.7**	**-**	**-**
1/1+1/2	Coldhams Lane (E) Left Ahead Right	U+O	A		1	45	-	547	1877:1841	881+109	55.3 : 55.3%	59	0	1	3.0	19.8	9.1
2/1	Beehive Site Access Right Left Ahead	O	B		1	10	-	10	1787	218	4.6%	2	0	0	0.1	43.8	0.2
3/1+3/2	Coldhams Lane (W) Ahead Right Left	U+O	C		1	45	-	673	1938:1924	862+154	66.3 : 66.3%	101	0	1	4.1	21.9	12.5
4/1	Cambridge Retail Park Left Ahead Right	O	D		1	10	-	141	1740	213	66.3%	59	0	1	2.4	62.4	4.3
Ped Link: P1	Coldhams Lane (E) crossing	-	E		1	6	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Beehive Site Access	-	F		1	7	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P3	Coldhams Lane (W) crossing	-	G		1	7	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P4	CRP crossing	-	H		1	6	-	0	-	0	0.0%	-	-	-	-	-	-

C1

PRC for Signalled Lanes (%): 35.7
PRC Over All Lanes (%): 35.7

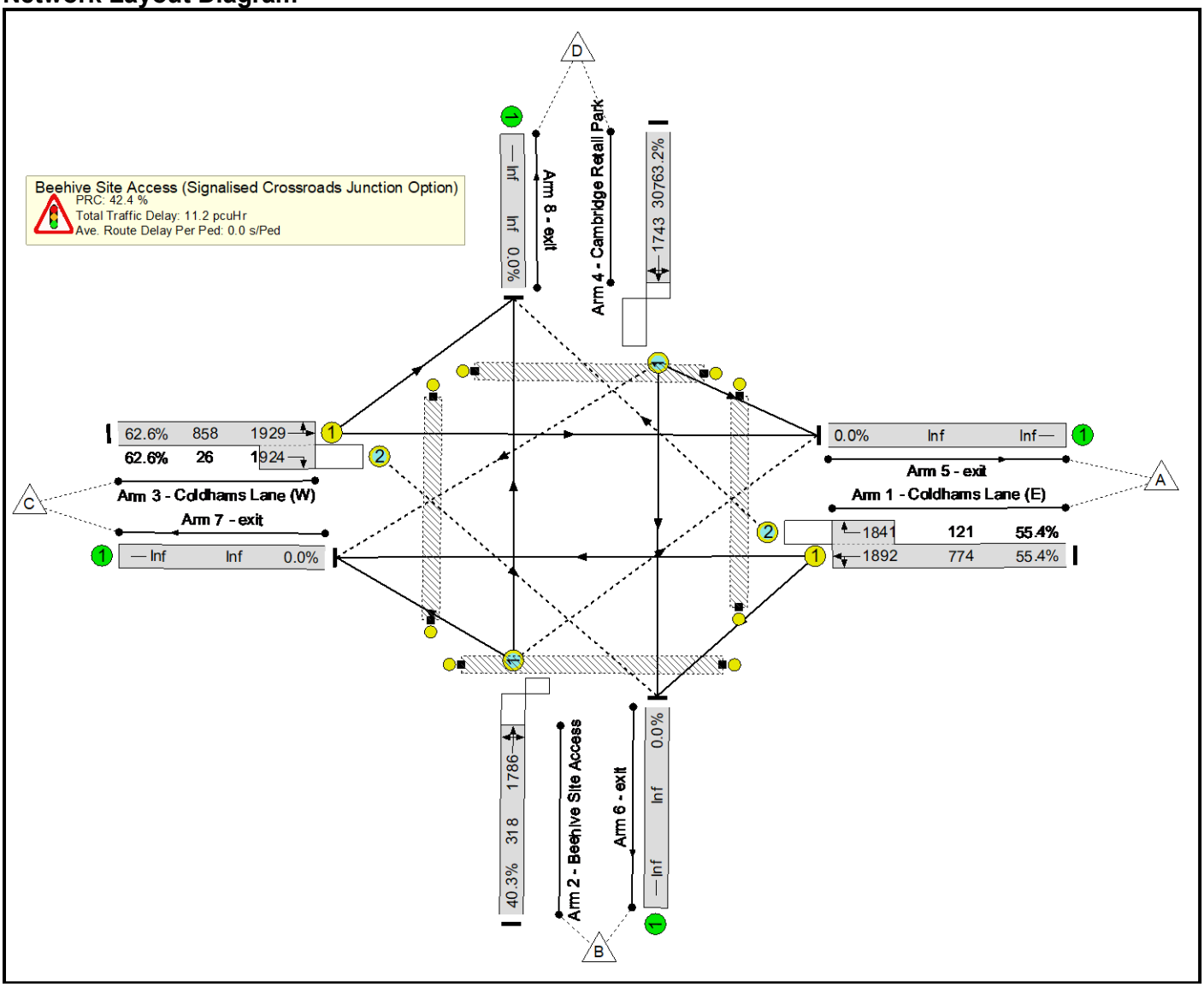
Total Delay for Signalled Lanes (pcuHr): 9.66
Total Delay Over All Lanes(pcuHr): 9.66

Cycle Time (s): 90

Basic Results Summary

Scenario 5: 'S3 (11.5% Car MS) PM Peak' (FG5: 'Scenario 3 PM Peak', Plan 1: 'Network Control Plan 1')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Site Access CYCLOPS Signalised Crossroad Junction	**-**	**-**	**-**		**-**	**-**	**-**	**-**	**-**	**-**	**63.2%**	**195**	**0**	**3**	**11.2**	**-**	**-**
Beehive Site Access (Signalised Crossroads Junction Option)	**-**	**-**	**-**		**-**	**-**	**-**	**-**	**-**	**-**	**63.2%**	**195**	**0**	**3**	**11.2**	**-**	**-**
1/1+1/2	Coldhams Lane (E) Left Ahead Right	U+O	A		1	40	-	496	1892:1841	774+121	55.4 : 55.4%	66	0	1	3.2	23.2	8.8
2/1	Beehive Site Access Right Left Ahead	O	B		1	15	-	128	1786	318	40.3%	28	0	1	1.5	42.3	3.1
3/1+3/2	Coldhams Lane (W) Ahead Right Left	U+O	C		1	40	-	553	1929:1924	858+26	62.6 : 62.6%	16	0	0	3.7	24.1	11.2
4/1	Cambridge Retail Park Left Ahead Right	O	D		1	15	-	194	1743	307	63.2%	84	0	2	2.8	51.5	5.3
Ped Link: P1	Coldhams Lane (E) crossing	-	E		1	6	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Beehive Site Access	-	F		1	7	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P3	Coldhams Lane (W) crossing	-	G		1	7	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P4	CRP crossing	-	H		1	6	-	0	-	0	0.0%	-	-	-	-	-	-

C1

PRC for Signalled Lanes (%): 42.4
PRC Over All Lanes (%): 42.4

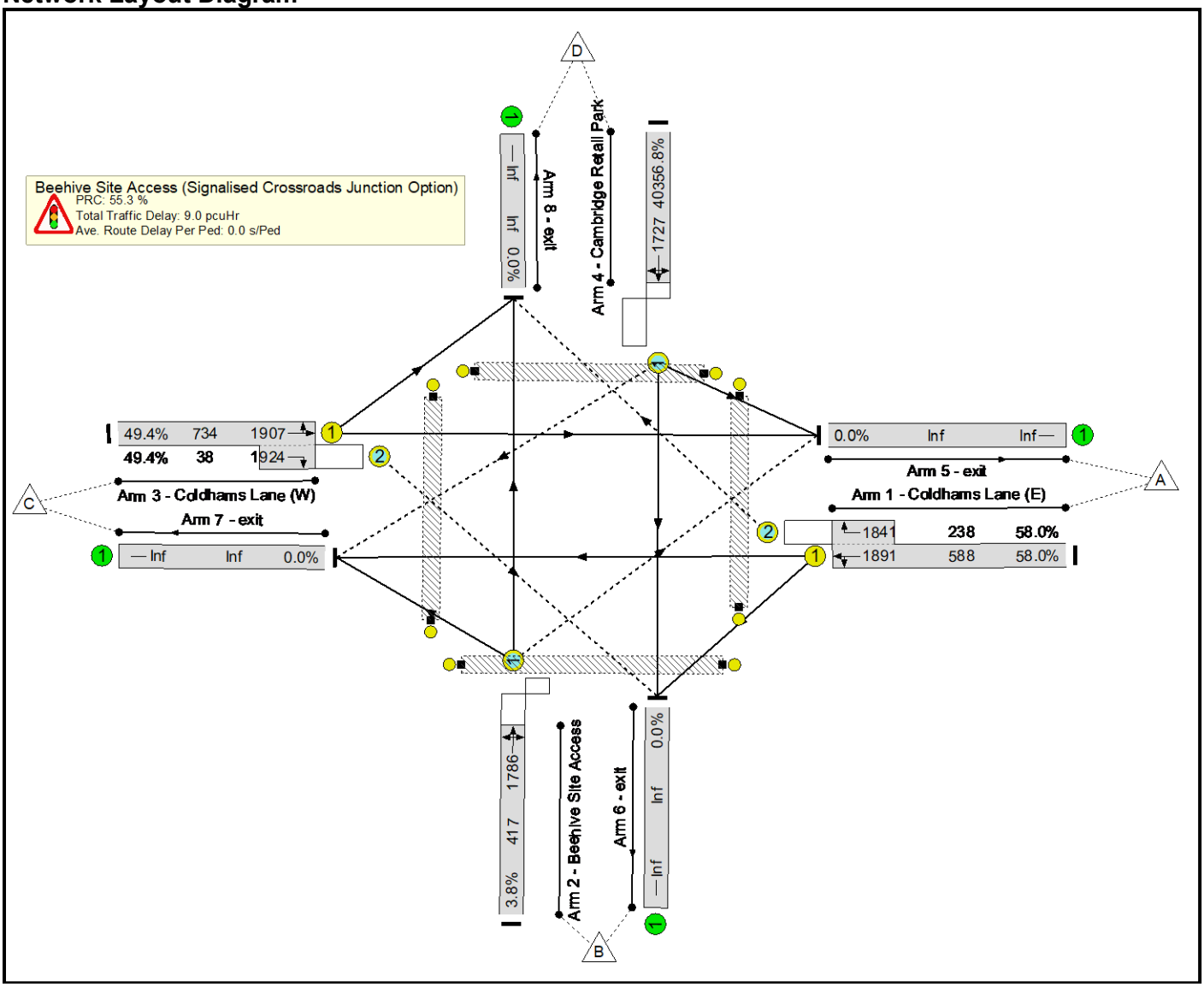
Total Delay for Signalled Lanes (pcuHr): 11.18
Total Delay Over All Lanes(pcuHr): 11.18

Cycle Time (s): 90

Basic Results Summary

Scenario 6: 'S3 (11.5% Car MS) SAT Peak' (FG6: 'Scenario 3 SAT Peak', Plan 1: 'Network Control Plan 1')

Network Layout Diagram



Basic Results Summary

Network Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network: Site Access CYCLOPS Signalised Crossroad Junction	-	-	-		-	-	-	-	-	-	**58.0%**	**239**	**0**	**4**	**9.0**	-	-
Beehive Site Access (Signalised Crossroads Junction Option)	-	-	-		-	-	-	-	-	-	**58.0%**	**239**	**0**	**4**	**9.0**	-	-
1/1+1/2	Coldhams Lane (E) Left Ahead Right	U+O	A		1	35	-	479	1891:1841	588+238	58.0 : 58.0%	136	0	2	3.6	27.4	8.0
2/1	Beehive Site Access Right Left Ahead	O	B		1	20	-	16	1786	417	3.8%	4	0	0	0.1	31.4	0.3
3/1+3/2	Coldhams Lane (W) Ahead Right Left	U+O	C		1	35	-	382	1907:1924	734+38	49.4 : 49.4%	19	0	0	2.6	24.9	7.3
4/1	Cambridge Retail Park Left Ahead Right	O	D		1	20	-	229	1727	403	56.8%	80	0	2	2.6	40.8	5.7
Ped Link: P1	Coldhams Lane (E) crossing	-	E		1	6	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P2	Beehive Site Access	-	F		1	7	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P3	Coldhams Lane (W) crossing	-	G		1	7	-	0	-	0	0.0%	-	-	-	-	-	-
Ped Link: P4	CRP crossing	-	H		1	6	-	0	-	0	0.0%	-	-	-	-	-	-

C1 PRC for Signalled Lanes (%): 55.3 Total Delay for Signalled Lanes (pcuHr): 9.01 Cycle Time (s): 90

PRC Over All Lanes (%): 55.3 Total Delay Over All Lanes(pcuHr): 9.01

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