

Figure 6.1 - Summary of Junction Assessment Results

Modelling Package	Junction	2010 Base								2017 Base (12 HGVs)						2017 Base (20 HGVs)						2017 Base + Development						Notes			
		AM				PM				AM			PM			AM			PM			AM			PM						
		RFC	MMQ	Q Survey	Delay	RFC	MMQ	Q Survey	Delay	RFC	MMQ	Delay	RFC	MMQ	Delay	RFC	MMQ	Delay	RFC	MMQ	Delay	RFC	MMQ	Delay	RFC	MMQ	Delay				
PICADY	Harrington Lane / Chancel Lane Priority 'T' Junction																														
	From Chancel Lane	0.151	0.29	0	0.180	0.345	0.61	1	0.160	0.317	0.62	0.210	0.490	1.14	0.200	0.320	0.63	0.210	0.490	1.14	0.200	0.351	0.72	0.230	0.599	1.69	0.220				
	From Harrington Lane (North)	0.316	0.52	0	0.150	0.158	0.20	3	0.110	0.463	1.02	0.190	0.319	0.52	0.140	0.467	1.03	0.190	0.319	0.52	0.140	0.579	1.71	0.240	0.355	0.62	0.150				
PICADY	Harrington Lane/Church Hill																														
	From Harrington Lane	0.506	1.02	3	0.200	0.412	0.72	3	0.170	0.576	1.34	0.230	0.423	0.77	0.170	0.612	0.15	0.250	0.423	0.77	0.170	0.598	1.48	0.230	0.461	0.89	0.180				
	From Church Hill North	0.050	0.05	1	0.110	0.220	0.02	0	0.120	0.053	0.06	0.110	0.022	0.02	0.120	0.053	0.06	0.120	0.022	0.02	0.120	0.055	0.06	0.110	0.025	0.03	0.120				
ARCADY	Pinhoe Double Mini Roundabout																														
	Church Hill	0.817	4.20	4	0.690	0.729	2.47	4	0.670	0.981	16.07	2.513	0.805	3.70	0.972	1.018	23.57	3.546	0.805	3.80	0.972	1.004	20.91	3.060	0.852	5.05	1.231				
	B3181 Main Road (N)	0.997	24.42	20	2.047	0.511	1.05	5	0.165	1.116	90.97	6.704	0.596	1.49	0.195	1.122	94.62	6.997	0.596	1.49	0.195	1.122	95.36	7.000	0.605	1.54	0.199				
	Langaton Lane	0.334	0.49	1	0.500	0.094	0.10	0	0.163	0.380	0.60	0.592	0.101	0.11	0.178	0.387	0.62	0.610	0.101	0.11	0.178	0.384	0.61	0.592	0.106	0.12	0.182				
	B3181 Main Road (S)	0.375	0.38	4	0.139	0.211	0.27	5	0.104	0.310	0.45	0.161	0.225	0.29	0.110	0.312	0.45	0.162	0.225	0.29	0.110	0.311	0.45	0.159	0.231	0.30	0.111				
	Station Road	0.276	0.60	2	0.090	0.676	2.08	0	0.164	0.454	0.83	0.102	0.713	2.47	0.184	0.468	0.88	0.106	0.713	2.47	0.184	0.437	0.78	0.097	0.722	2.59	0.190				
PICADY	Beacon Lane / Summer Lane / Pinwood Lane Priority Crossroads Junction																														
	From Summer Lane	0.490	0.93	3	0.160	0.785	3.43	6	0.290	0.525	1.09	0.180	0.822	4.20	0.330							0.547	1.18	0.190	0.860	5.32	0.380				
	From Beacon Lane East	0.005	0.00	2	0.120	0.049	0.05	0	0.120	0.005	0.00	0.120	0.053	0.06	0.120							0.005	0.00	0.120	0.058	0.07	0.130				
	From Pinwood Lane	0.246	0.32	3	0.180	0.096	0.11	0	0.160	0.270	0.36	0.200	0.104	0.12	0.180							0.285	0.39	0.210	0.113	0.13	0.180				
	From Beacon Lane West	0.664	2.75	7	0.330	0.404	0.84	1	0.200	0.700	3.39	0.380	0.417	0.94	0.210							0.719	3.84	0.420	0.424	1.01	0.220				
PICADY	Calthorpe Road / Beacon Lane Priority 'T' Junction																														
	From Beacon Road	0.288	0.40	2	0.210	0.415	0.70	4	0.230	0.331	0.49	0.240	0.460	0.83	0.260							0.372	0.58	0.270	0.511	1.02	0.290				
	From Calthorpe Road West	0.560	1.25	3	0.230	0.410	0.69	2	0.180	0.606	1.49	0.260	0.428	0.74	0.190							0.627	1.63	0.280	0.437	0.76	0.200				
LINSIG	Pinhoe Road / Beacon Lane Signalised Junction																														
	Beacon Lane (both directions)	75.4%	8.00	5	45.0	60.7%	4.00	4	39.5	83.6%	9.30	55.300	62.2%	4.50	41.100							86.5%	9.90	60.000	64.3%	4.60	42.200				
	Pinhoe Road East (RT + Ahead)	77.2%	17.00	17	21.8	94.6%	19.00	19	40.6	84.3%	21.60	24.400	101.4%	35.20	85.900							85.2%	22.30	25.000	101.4%	35.80	86.100				
	Pinhoe Road West (LT + Ahead)	76.5%	16.00	7	29.7	92.4%	25.00	10	45.1	77.2%	16.60	27.000	100.2%	39.90	83.700							77.8%	17.00	27.300	101.7%	44.90	100.900				
ARCADY	Stoke Arms Roundabout																														
	Stoke Hill	0.690	2.23	25	0.120	0.330	0.49	5	0.080	0.726	2.59	0.190	0.386	0.63	0.100							0.740	2.78	0.203	0.406	0.68	0.106				
	Prince Charles Road	0.760	3.05	10	0.180	0.620	1.63	8	0.110	0.881	6.41	0.554	0.670	1.99	0.169							0.942	10.84	0.875	0.700	2.29	0.185				
	Mount Pleasant Road	0.640	1.75	8	0.210	0.780	3.31	9	0.240	0.726	2.49	0.440	0.820	4.16	0.507							0.765	2.98	0.530	0.853	5.09	0.617				
	Old Tiverton Road	0.290	0.40	2	0.100	0.640	1.71	15	0.170	0.310	0.45	0.126	0.674	2.00	0.290							0.324	0.47	0.131	0.714	2.37	0.337				
	Union Road	0.390	0.63	3	0.100	0.680	2.02	25	0.190	0.421	0.72	0.118	0.771	3.15	0.419							0.435	0.76	0.122	0.826	4.26	0.551				
LINSIG	Pinhoe Road / Venny Bridge Signalised Junction																														
	Pinhoe Road West (LT + Ahead)																									91.0%	13.90	36.100	91.7%	18.20	34.100
	Pinhoe Road West (Ahead)																									26.4%	1.90	13.200	47.4%	2.60	11.500
	Venny Bridge																									92.1%	15.20	78.300	87.4%	11.50	73.200
	Pinhoe Road East (Ahead)																									88.1%	17.40	21.600	77.8%	19.80	13.900
	Pinhoe Road East (RT)																									88.0%	9.40	105.200	89.1%	11.40	71.400
PICADY	Eastern Site Access Priority 'T' Junction																														
	From Site Access																									0.219	0.28	0.190	0.111	0.12	0.180
	From Harrington Lane																									0.033	0.03	0.120	0.066	0.08	0.130
PICADY	Western Site Access Priority 'T' Junction																														
	From Site Access																									0.219	0.28	0.190	0.111	0.12	0.180
	From Harrington Lane																									0.034	0.03	0.120	0.064	0.07	0.120