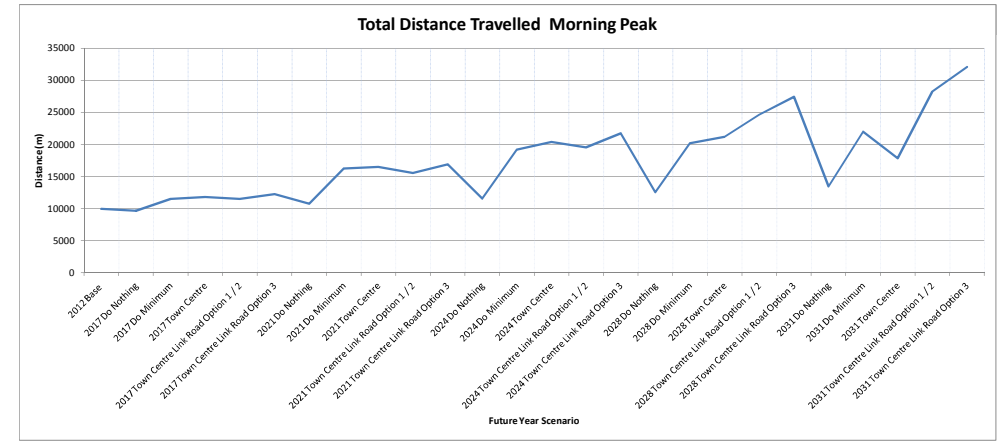
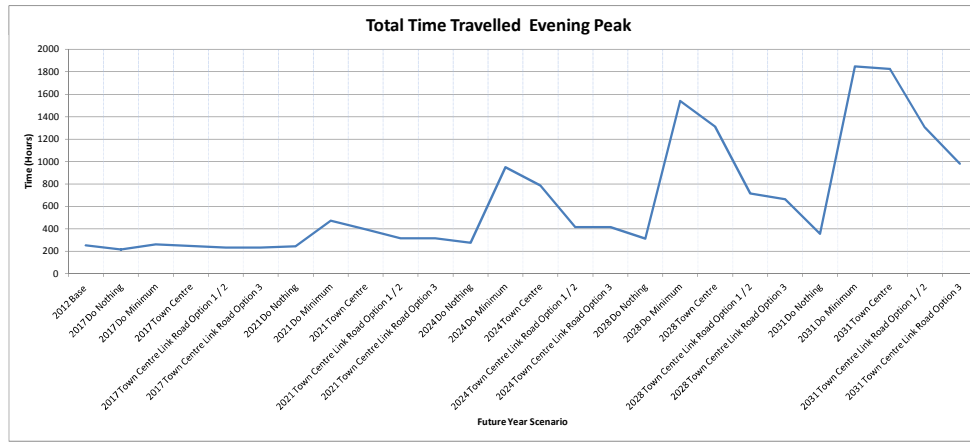
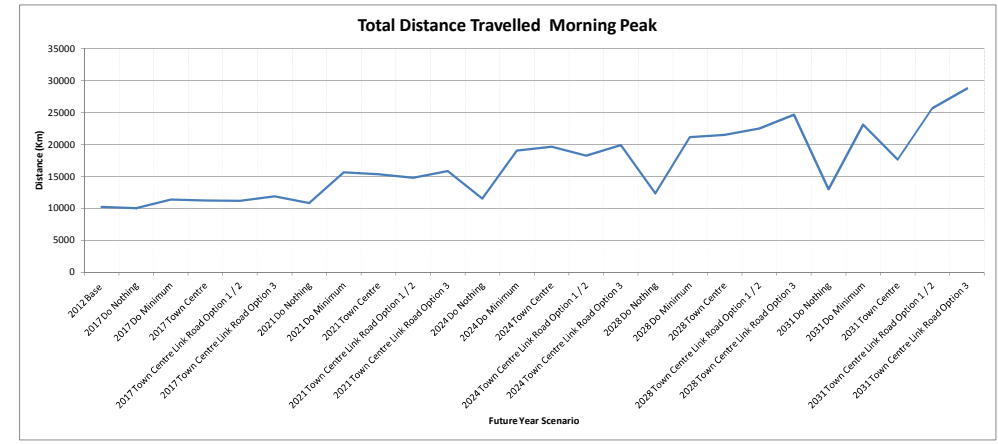
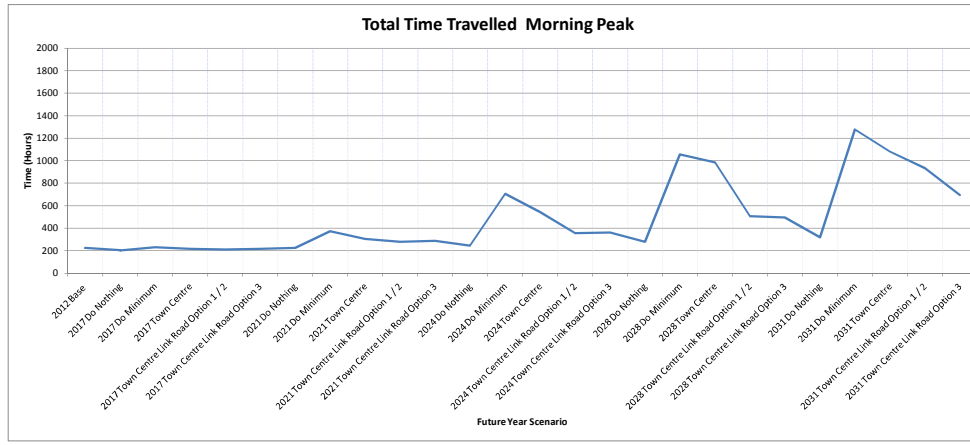


Appendix S – Network Summary Statistics - Low Growth

AM Scenario	Total Time Traveled (Hours)	Total Distance Traveled (km)
2012 Base	225	10185
2017 Do Nothing	204	10003
2017 Do Minimum	230	11383
2017 Town Centre	216	11208
2017 Town Centre Link Road Option 1 / 2	212	11197
2017 Town Centre Link Road Option 3	217	11893
2021 Do Nothing	225	10849
2021 Do Minimum	374	15612
2021 Town Centre	304	15316
2021 Town Centre Link Road Option 1 / 2	280	14792
2021 Town Centre Link Road Option 3	287	15856
2024 Do Nothing	246	11527
2024 Do Minimum	707	19044
2024 Town Centre	544	19627
2024 Town Centre Link Road Option 1 / 2	355	18220
2024 Town Centre Link Road Option 3	361	19870
2028 Do Nothing	280	12331
2028 Do Minimum	1055	21142
2028 Town Centre	984	21479
2028 Town Centre Link Road Option 1 / 2	508	22520
2028 Town Centre Link Road Option 3	495	24629
2031 Do Nothing	318	12960
2031 Do Minimum	1279	23100
2031 Town Centre	1081	17650
2031 Town Centre Link Road Option 1 / 2	933	25633
2031 Town Centre Link Road Option 3	694	28747

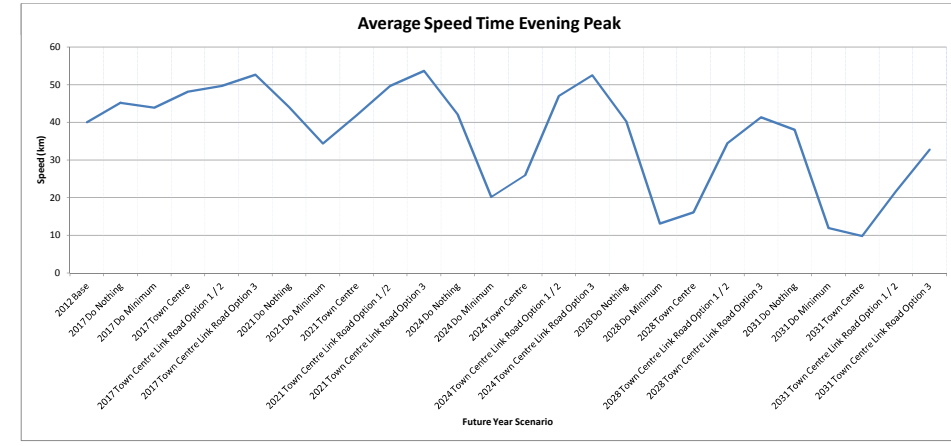
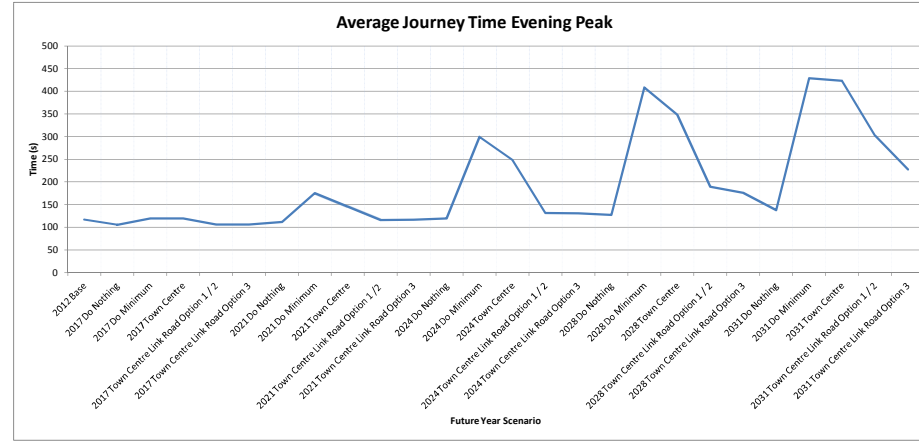
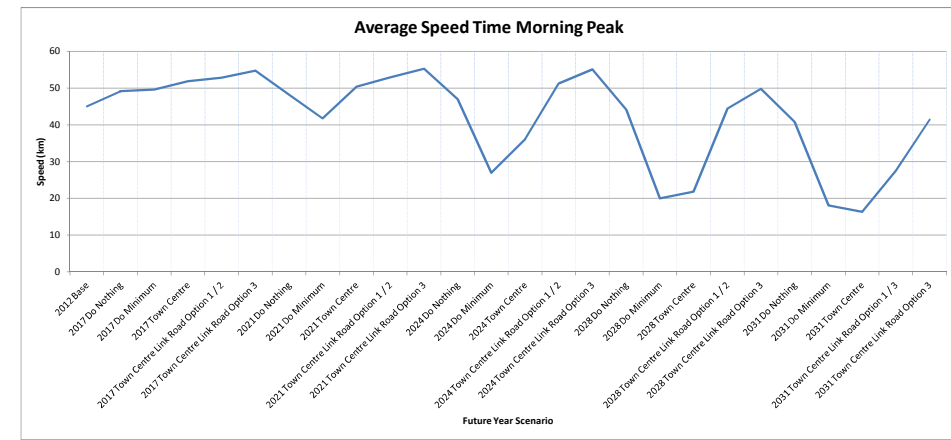
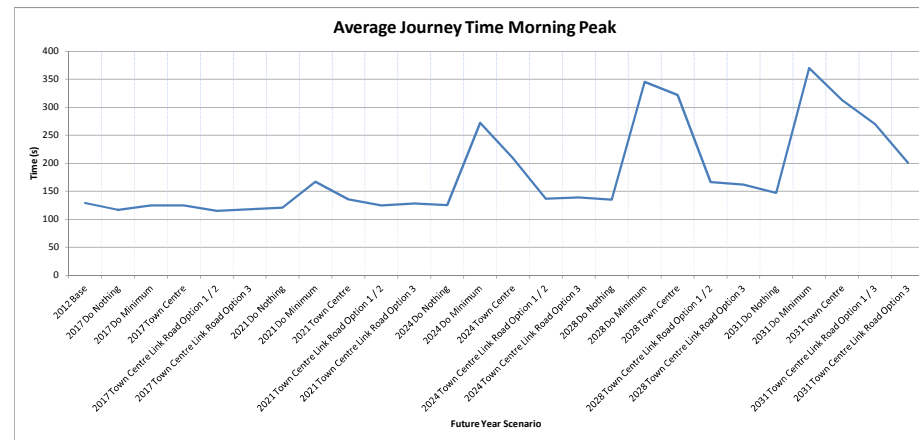
PM Scenario	Total Time Traveled (Hours)	Total Distance Traveled (km)
2012 Base	251	9917
2017 Do Nothing	213	9640
2017 Do Minimum	261	11484
2017 Town Centre	245	11810
2017 Town Centre Link Road Option 1 / 2	231	11491
2017 Town Centre Link Road Option 3	232	12218
2021 Do Nothing	244	10725
2021 Do Minimum	473	16248
2021 Town Centre	393	16470
2021 Town Centre Link Road Option 1 / 2	313	15553
2021 Town Centre Link Road Option 3	315	16906
2024 Do Nothing	274	11542
2024 Do Minimum	949	19160
2024 Town Centre	787	20394
2024 Town Centre Link Road Option 1 / 2	416	19530
2024 Town Centre Link Road Option 3	415	21747
2028 Do Nothing	311	12545
2028 Do Minimum	1539	20184
2028 Town Centre	1313	21156
2028 Town Centre Link Road Option 1 / 2	714	24618
2028 Town Centre Link Road Option 3	663	27425
2031 Do Nothing	354	13445
2031 Do Minimum	1850	21959
2031 Town Centre	1826	17820
2031 Town Centre Link Road Option 1 / 2	1303	28199
2031 Town Centre Link Road Option 3	981	32080



Appendix R, Figure 1 - Low Growth Network Summary Statistics (A11 Traffic removed)

AM Scenario	Matrix Total	Average Journey Time (s)	Average Speed (km)
2012 Base	6297	128.77	45
2017 Do Nothing	6273	116.90	49
2017 Do Minimum		124.66	50
2017 Town Centre		124.66	52
2017 Town Centre Link Road Option 1 / 2	6631	115.11	53
2017 Town Centre Link Road Option 3		117.98	55
2021 Do Nothing	6714	120.81	48
2021 Do Minimum		166.86	42
2021 Town Centre		135.74	50
2021 Town Centre Link Road Option 1 / 2	8065	124.82	53
2021 Town Centre Link Road Option 3		128.05	55
2024 Do Nothing	7047	125.42	47
2024 Do Minimum		272.21	27
2024 Town Centre	9347	209.51	36
2024 Town Centre Link Road Option 1 / 2		136.86	51
2024 Town Centre Link Road Option 3		139.05	55
2028 Do Nothing	7470	134.84	44
2028 Do Minimum		345.40	20
2028 Town Centre		322.01	22
2028 Town Centre Link Road Option 1 / 2	10997	166.20	44
2028 Town Centre Link Road Option 3		161.97	50
2031 Do Nothing	7784	146.91	41
2031 Do Minimum		369.96	18
2031 Town Centre		312.66	16
2031 Town Centre Link Road Option 1 / 3	12449	269.72	27
2031 Town Centre Link Road Option 3		200.75	41

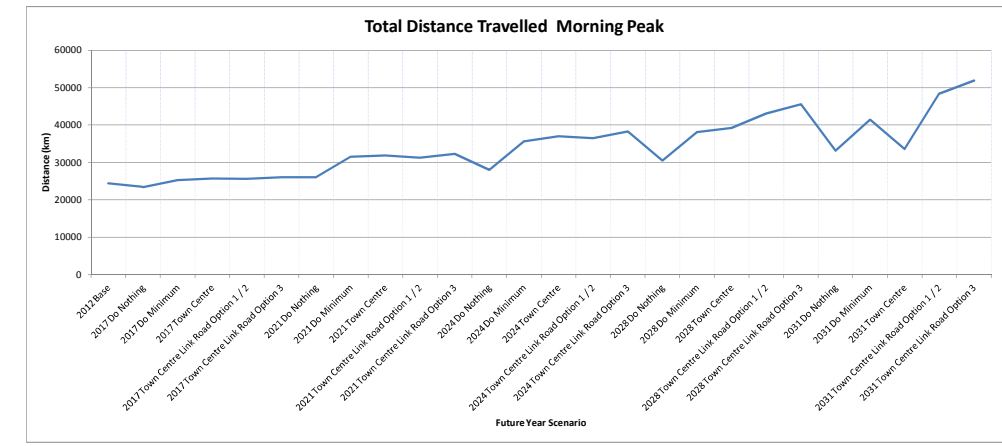
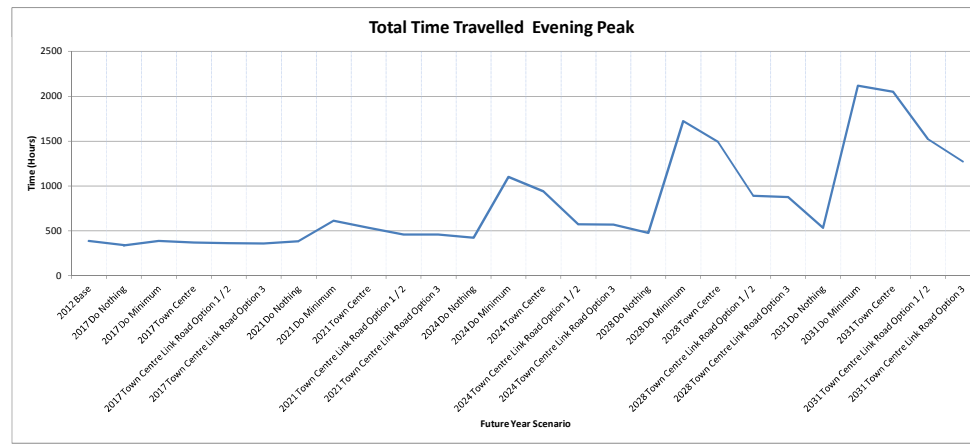
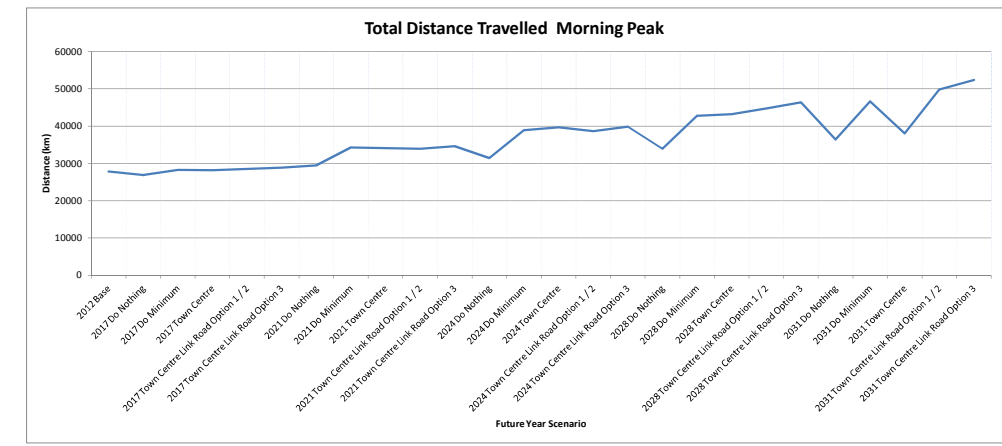
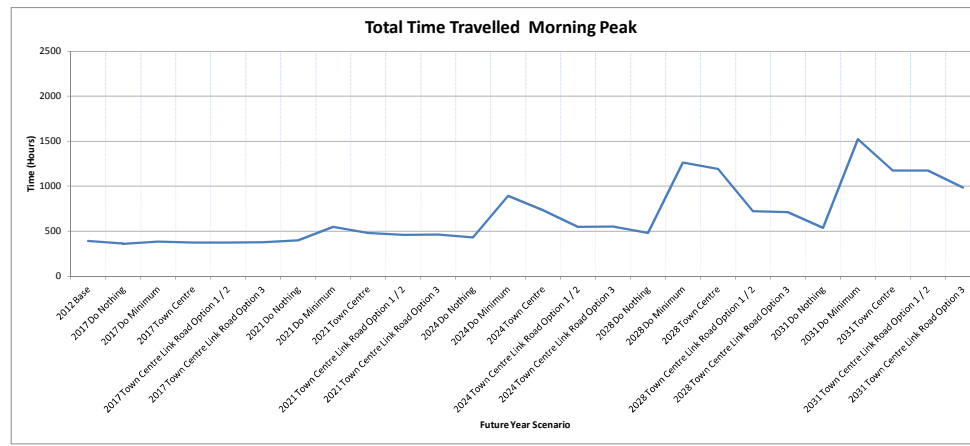
PM Scenario	Total Time Traveled (m)	Average Journey Time (s)	Average Speed (km)
2012 Base	7725	116.84	40
2017 Do Nothing	7274	105.61	45
2017 Do Minimum		119.62	44
2017 Town Centre		119.62	48
2017 Town Centre Link Road Option 1 / 2	7866	105.94	50
2017 Town Centre Link Road Option 3		106.25	53
2021 Do Nothing	7844	111.76	44
2021 Do Minimum		175.32	34
2021 Town Centre		145.78	42
2021 Town Centre Link Road Option 1 / 2	9712	116.09	50
2021 Town Centre Link Road Option 3		116.83	54
2024 Do Nothing	8276	119.17	42
2024 Do Minimum		299.77	20
2024 Town Centre	11402	248.45	26
2024 Town Centre Link Road Option 1 / 2		131.21	47
2024 Town Centre Link Road Option 3		130.88	52
2028 Do Nothing	8829	123.01	40
2028 Do Minimum		408.06	13
2028 Town Centre		347.98	16
2028 Town Centre Link Road Option 1 / 2	13580	189.36	34
2028 Town Centre Link Road Option 3		175.77	41
2031 Do Nothing	9253	137.61	38
2031 Do Minimum		428.74	12
2031 Town Centre		423.23	10
2031 Town Centre Link Road Option 1 / 2	15531	301.99	22
2031 Town Centre Link Road Option 3		227.29	33



Appendix R, Figure 2 - Average Journey Time Summary Statistics (A11 Traffic removed)

AM Scenario	Total Time Traveled (Hours)	Total Distance Traveled (km)
2012 Base	391	27813
2017 Do Nothing	360	26861
2017 Do Minimum	386	28252
2017 Town Centre	374	28197
2017 Town Centre Link Road Option 1 / 2	374	28531
2017 Town Centre Link Road Option 3	376	28846
2021 Do Nothing	398	29471
2021 Do Minimum	549	34231
2021 Town Centre	479	34070
2021 Town Centre Link Road Option 1 / 2	460	33934
2021 Town Centre Link Road Option 3	463	34580
2024 Do Nothing	431	31433
2024 Do Minimum	895	38948
2024 Town Centre	732	39679
2024 Town Centre Link Road Option 1 / 2	549	38680
2024 Town Centre Link Road Option 3	552	39884
2028 Do Nothing	482	33934
2028 Do Minimum	1261	42741
2028 Town Centre	1191	43238
2028 Town Centre Link Road Option 1 / 2	722	44731
2028 Town Centre Link Road Option 3	463	46353
2031 Do Nothing	538	36458
2031 Do Minimum	1521	46599
2031 Town Centre	1176	38035
2031 Town Centre Link Road Option 1 / 2	1174	49793
2031 Town Centre Link Road Option 3	986	52380

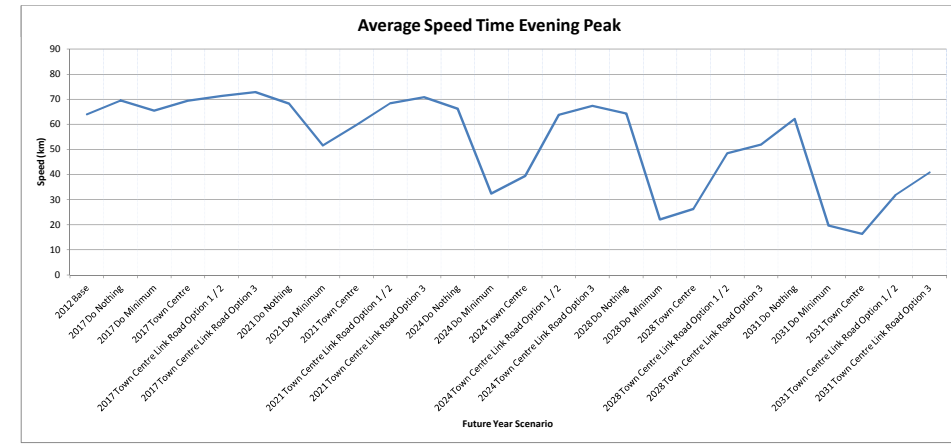
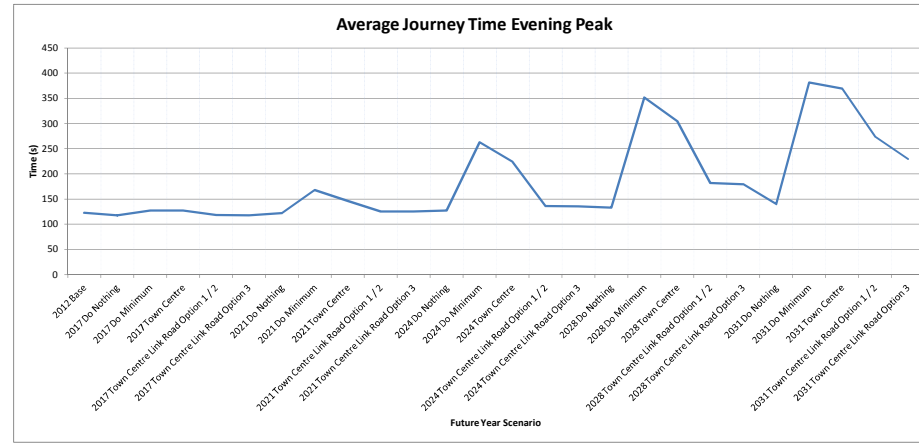
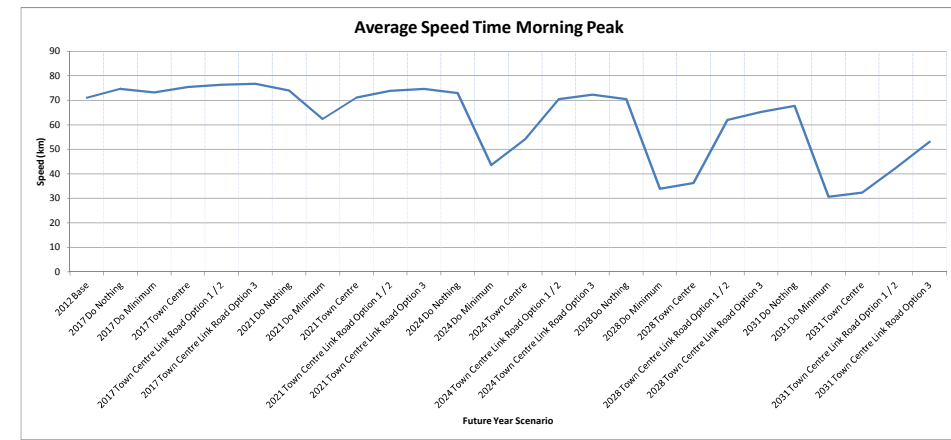
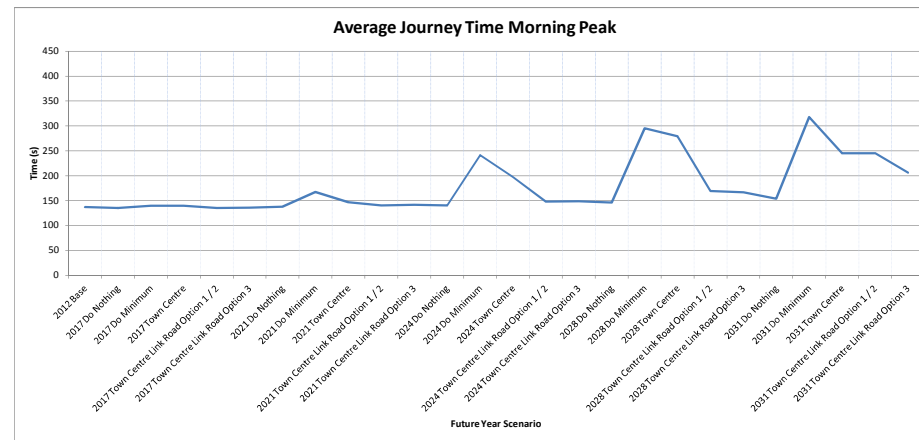
PM Scenario	Total Time Traveled (Hours)	Total Distance Traveled (km)
2012 Base	383	24354
2017 Do Nothing	336	23388
2017 Do Minimum	386	25229
2017 Town Centre	370	25655
2017 Town Centre Link Road Option 1 / 2	359	25620
2017 Town Centre Link Road Option 3	357	26040
2021 Do Nothing	381	26025
2021 Do Minimum	612	31546
2021 Town Centre	533	31878
2021 Town Centre Link Road Option 1 / 2	457	31281
2021 Town Centre Link Road Option 3	456	32295
2024 Do Nothing	423	27996
2024 Do Minimum	1100	35608
2024 Town Centre	938	36966
2024 Town Centre Link Road Option 1 / 2	571	36447
2024 Town Centre Link Road Option 3	569	38289
2028 Do Nothing	474	30529
2028 Do Minimum	1721	38085
2028 Town Centre	1490	39216
2028 Town Centre Link Road Option 1 / 2	889	43108
2028 Town Centre Link Road Option 3	877	45516
2031 Do Nothing	533	33126
2031 Do Minimum	2117	41479
2031 Town Centre	2050	33586
2031 Town Centre Link Road Option 1 / 2	1520	48399
2031 Town Centre Link Road Option 3	1272	51874



Appendix R, Figure 3 - Low Growth Network Summary Statistics (Including A11 Traffic)

AM Scenario	Matrix Total	Average Journey Time (s)	Average Speed (km)
2012 Base	10304	136.58	71
2017 Do Nothing	9612	134.77	75
2017 Do Minimum		139.40	73
2017 Town Centre		139.40	75
2017 Town Centre Link Road Option 1 / 2	9970	135.03	76
2017 Town Centre Link Road Option 3		135.65	77
2021 Do Nothing	10441	137.34	74
2021 Do Minimum		167.47	62
2021 Town Centre		146.39	71
2021 Town Centre Link Road Option 1 / 2	11791	140.32	74
2021 Town Centre Link Road Option 3		141.42	75
2024 Do Nothing	11057	140.38	73
2024 Do Minimum		241.18	44
2024 Town Centre	13357	197.38	54
2024 Town Centre Link Road Option 1 / 2		148.03	70
2024 Town Centre Link Road Option 3		148.75	72
2028 Do Nothing	11855	146.27	70
2028 Do Minimum		295.21	34
2028 Town Centre	15382	278.82	36
2028 Town Centre Link Road Option 1 / 2		169.02	62
2028 Town Centre Link Road Option 3		166.32	65
2031 Do Nothing	12588	153.86	68
2031 Do Minimum		317.40	31
2031 Town Centre		245.32	32
2031 Town Centre Link Road Option 1 / 2	17252	245.03	42
2031 Town Centre Link Road Option 3		205.68	53

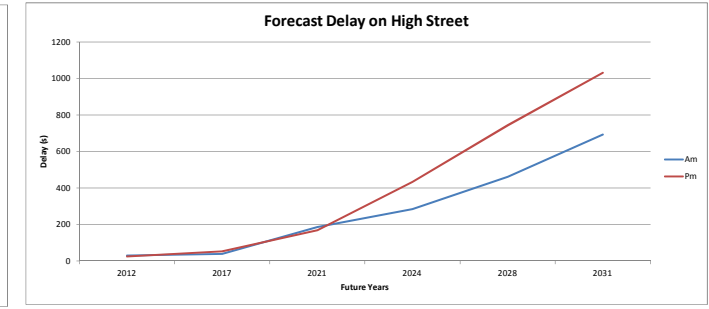
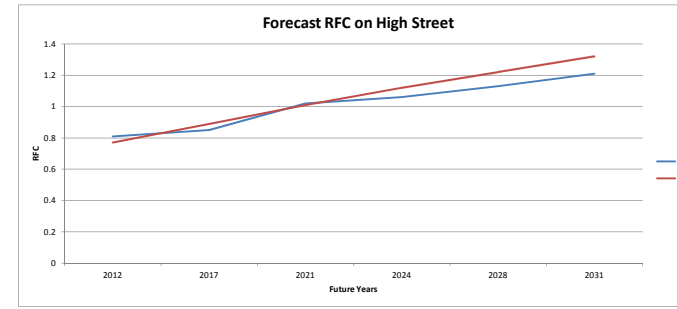
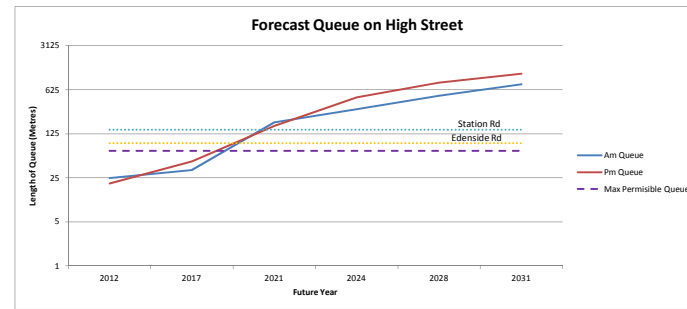
PM Scenario	Total Time Traveled (m)	Average Journey Time (s)	Average Speed (km)
2012 Base	11247	122.53	64
2017 Do Nothing	10320	117.37	70
2017 Do Minimum		127.20	65
2017 Town Centre		127.20	69
2017 Town Centre Link Road Option 1 / 2	10912	118.55	71
2017 Town Centre Link Road Option 3		117.83	73
2021 Do Nothing	11255	121.96	68
2021 Do Minimum		167.91	52
2021 Town Centre		146.31	60
2021 Town Centre Link Road Option 1 / 2	13123	125.35	68
2021 Town Centre Link Road Option 3		125.15	71
2024 Do Nothing	11957	127.29	66
2024 Do Minimum		262.63	32
2024 Town Centre	15083	224.00	39
2024 Town Centre Link Road Option 1 / 2		136.36	64
2024 Town Centre Link Road Option 3		135.73	67
2028 Do Nothing	12869	132.71	64
2028 Do Minimum		351.64	22
2028 Town Centre	17620	304.46	26
2028 Town Centre Link Road Option 1 / 2		181.54	49
2028 Town Centre Link Road Option 3		179.13	52
2031 Do Nothing	13693	140.07	62
2031 Do Minimum		381.67	20
2031 Town Centre	19970	369.59	16
2031 Town Centre Link Road Option 1 / 2		274.03	32
2031 Town Centre Link Road Option 3		229.30	41



Appendix R, Figure 4 - Average Journey Time Summary Statistics (Including A11 Traffic)

Appendix T – RFC for Do-Nothing

		Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2012	High Street	4.13	30.53	0.81	3.38	25.84	0.77
2017	High Street	5.5	38.87	0.85	7.61	52.74	0.89
2021	High Street	31.52	185.93	1.02	27.86	169.44	1.01
2024	High Street	50.75	284.97	1.06	78.36	433.77	1.12
2028	High Street	83.3	461.27	1.13	135	744.28	1.22
2031	High Street	127.09	693.98	1.21	186.5	1032.24	1.32



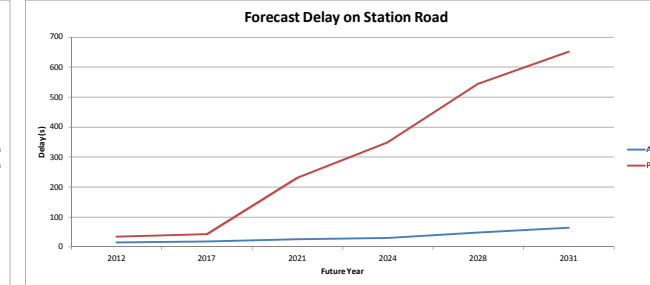
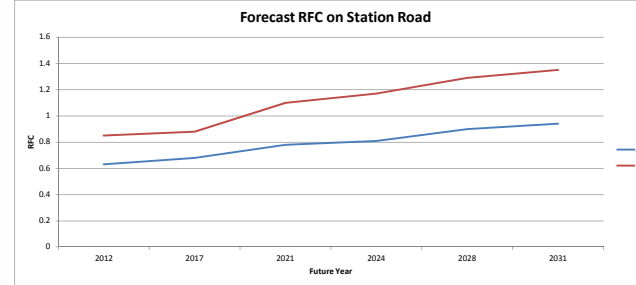
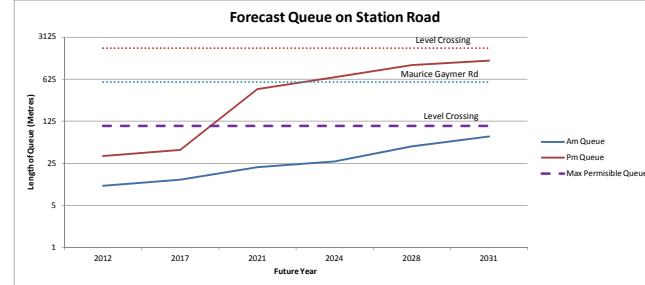
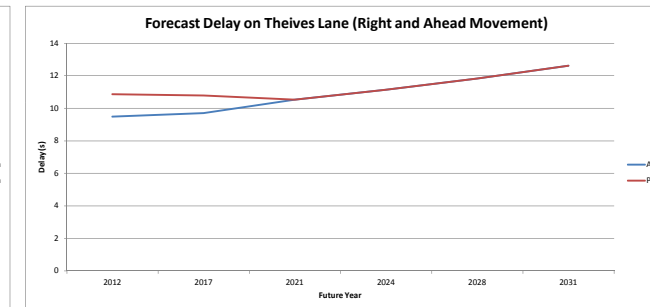
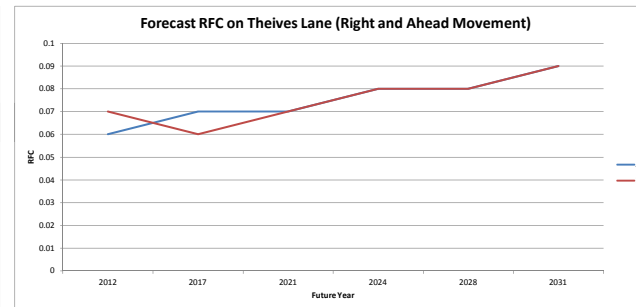
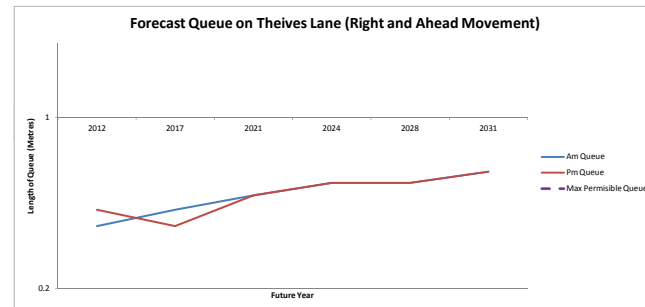
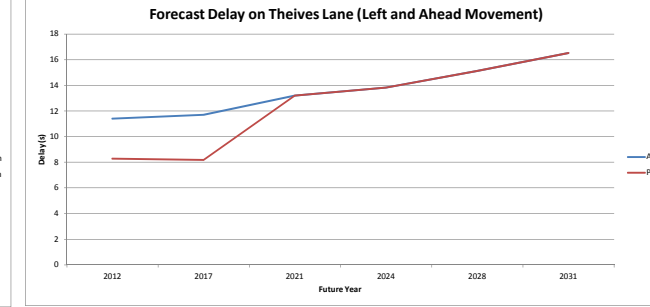
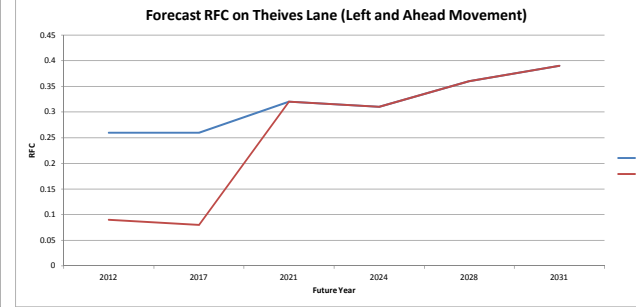
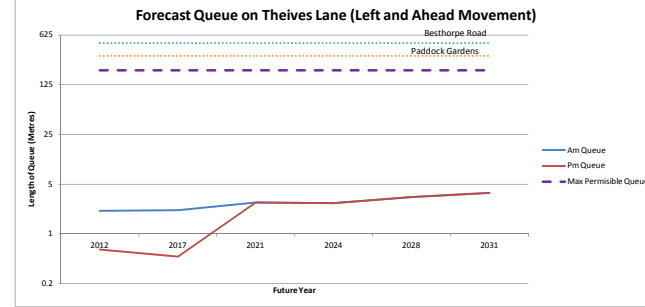
Appendix R, Figure 1, Existing Junction Layout of Exchange Street / Connaught Road / High Street Do-Nothing Scenario



Year	Movement	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2012	Thieves Lane (Left & ahead)	0.35	11.39	0.26	0.1	8.28	0.09
2017	Thieves Lane (Left & ahead)	0.36	11.7	0.26	0.08	8.19	0.08
2021	Thieves Lane (Left & ahead)	0.46	13.2	0.32	0.46	13.2	0.32
2024	Thieves Lane (Left & ahead)	0.45	13.82	0.31	0.45	13.82	0.31
2028	Thieves Lane (Left & ahead)	0.55	15.12	0.36	0.55	15.12	0.36
2031	Thieves Lane (Left & ahead)	0.63	16.51	0.39	0.63	16.51	0.39

Year	Movement	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2012	Thieves Lane (Right & ahead)	0.06	9.5	0.06	0.07	10.87	0.07
2017	Thieves Lane (Right & ahead)	0.07	9.7	0.07	0.06	10.78	0.06
2021	Thieves Lane (Right & ahead)	0.08	10.54	0.07	0.08	10.54	0.07
2024	Thieves Lane (Right & ahead)	0.09	11.14	0.08	0.09	11.14	0.08
2028	Thieves Lane (Right & ahead)	0.09	11.83	0.08	0.09	11.83	0.08
2031	Thieves Lane (Right & ahead)	0.1	12.62	0.09	0.1	12.62	0.09

Year	Movement	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2012	Station Road	1.75	15.35	0.63	5.47	35.16	0.85
2017	Station Road	2.23	18.25	0.68	6.92	43.2	0.88
2021	Station Road	3.57	25.86	0.78	70.85	231	1.1
2024	Station Road	4.44	30.84	0.81	112.51	349.67	1.17
2028	Station Road	7.98	48.65	0.9	178.77	545.19	1.29
2031	Station Road	11.57	64.69	0.94	212.95	651.74	1.35



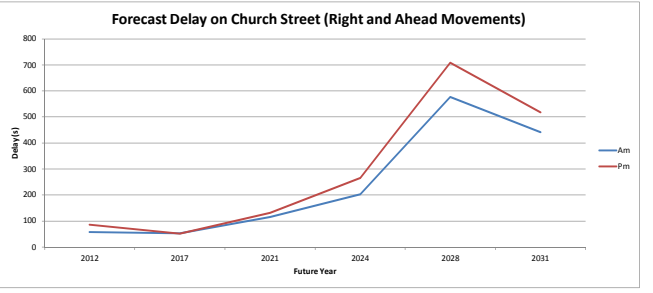
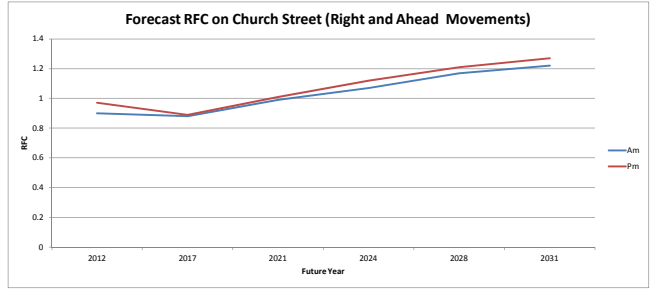
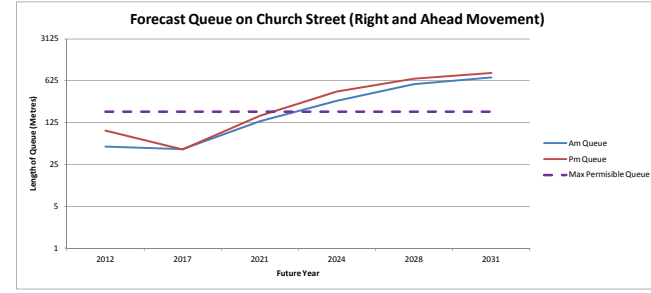
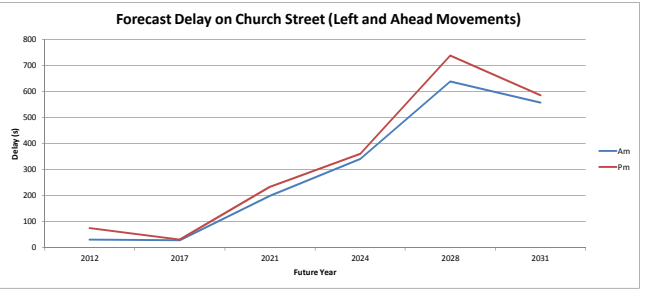
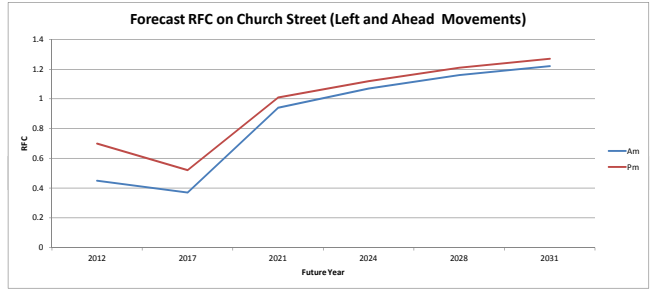
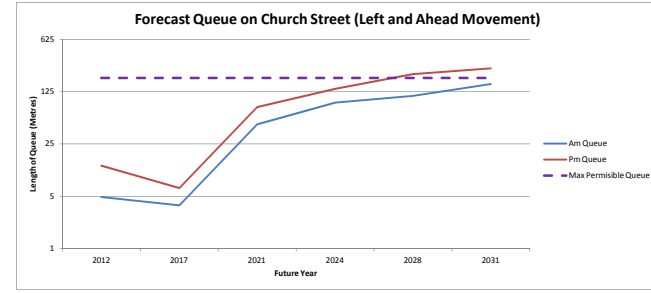
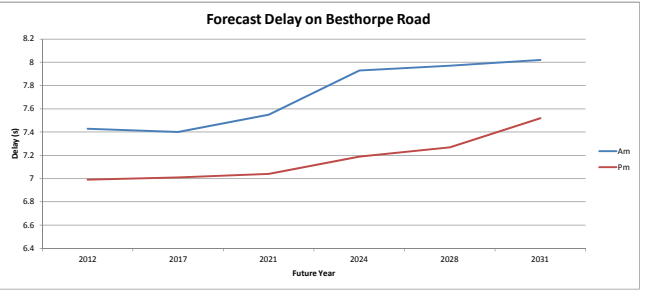
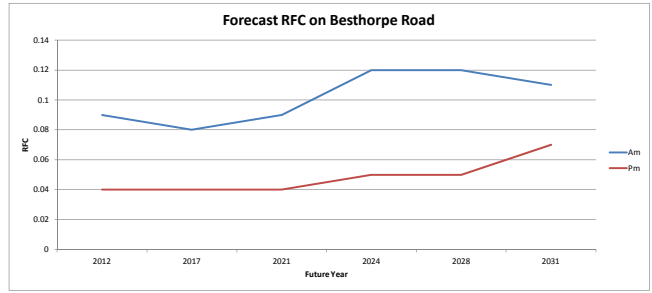
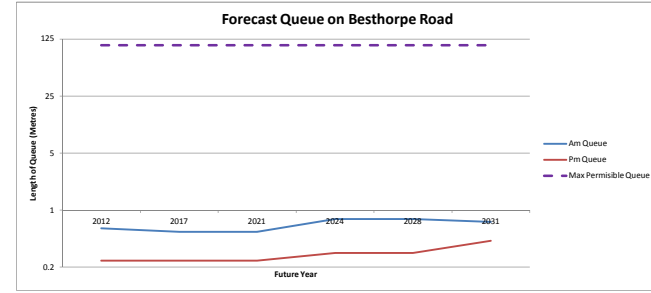
Appendix R, Figure 2, Existing Junction Layout of Surrogate Street / Thieves Lane / Station Road / Connaught Road Do-Nothing Scenario



Year	Location	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2012	Besthorpe Road	0.1	7.43	0.09	0.04	6.99	0.04
2017	Besthorpe Road	0.09	7.4	0.08	0.04	7.01	0.04
2021	Besthorpe Road	0.09	7.55	0.09	0.04	7.04	0.04
2024	Besthorpe Road	0.13	7.93	0.12	0.05	7.19	0.05
2028	Besthorpe Road	0.13	7.97	0.12	0.05	7.27	0.05
2031	Besthorpe Road	0.12	8.02	0.11	0.07	7.52	0.07

Year	Location	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2012	Church Street (Left & Ahead)	0.82	30.61	0.45	2.14	74.59	0.7
2017	Church Street (Left & Ahead)	0.63	27.86	0.37	1.08	30.25	0.52
2021	Church Street (Left & Ahead)	7.64	198.97	0.94	13.03	233.57	1.01
2024	Church Street (Left & Ahead)	14.89	341.01	1.07	22.76	360.69	1.12
2028	Church Street (Left & Ahead)	18.28	638.72	1.16	35.75	737.63	1.21
2031	Church Street (Left & Ahead)	26.47	557.67	1.22	42.83	585.23	1.27

Year	Location	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2012	Church Street (Right & Ahead)	8.32	57.63	0.9	15.29	86.44	0.97
2017	Church Street (Right & Ahead)	7.47	53.19	0.88	7.4	51.89	0.89
2021	Church Street (Right & Ahead)	21.89	115.94	0.99	27.07	131.36	1.01
2024	Church Street (Right & Ahead)	48.03	203.39	1.07	68.62	265.35	1.12
2028	Church Street (Right & Ahead)	91.04	576.96	1.17	112.44	708.54	1.21
2031	Church Street (Right & Ahead)	118.36	442.01	1.22	141.09	517.42	1.27



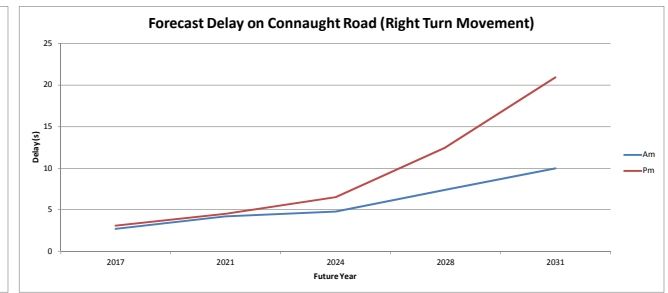
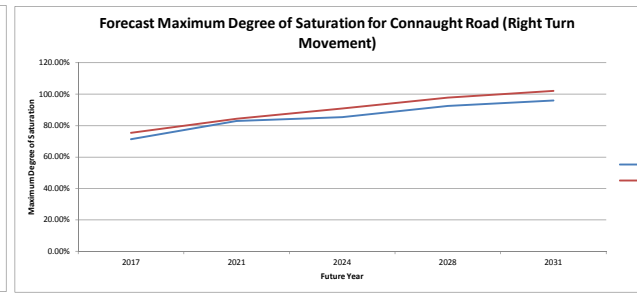
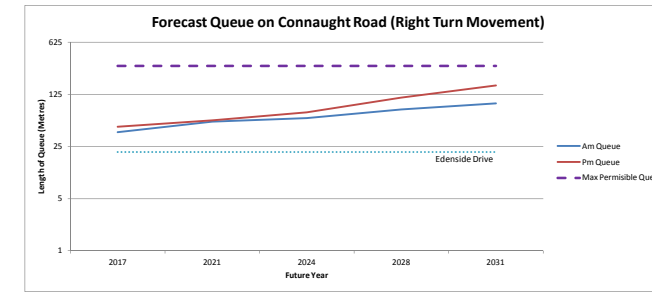
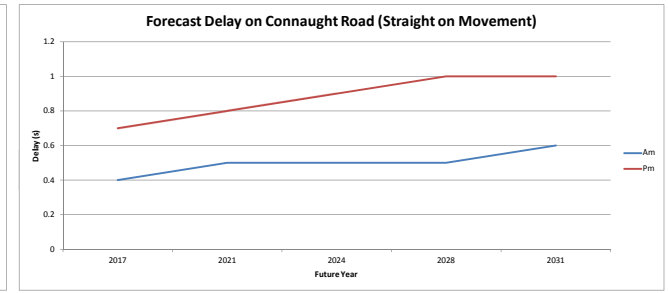
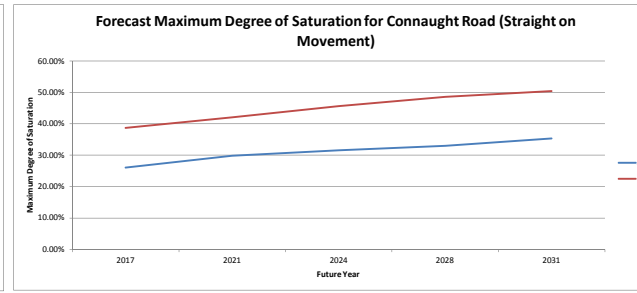
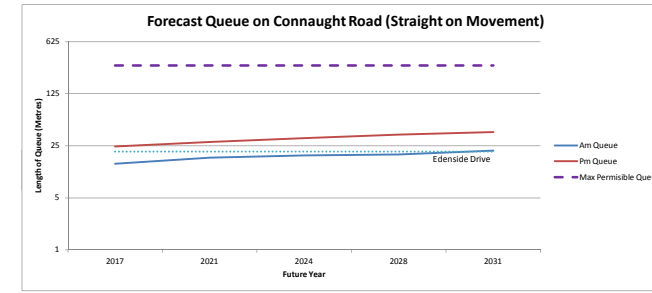
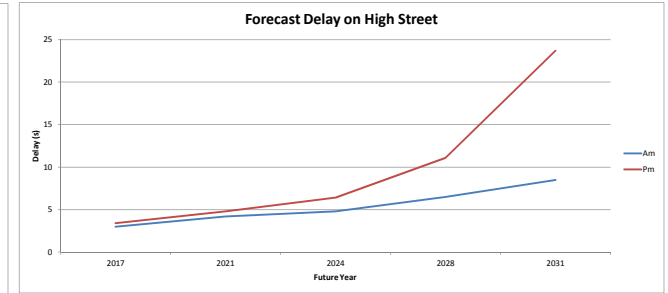
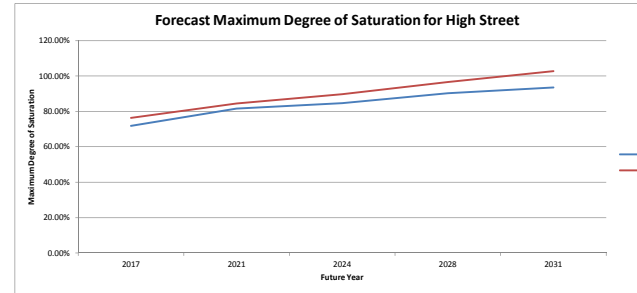
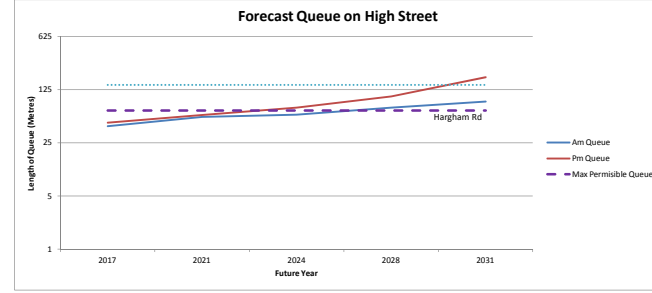
Appendix R, Figure 3, Existing Junction Layout of Norwich Road / Besthorpe Road / Surrogate Street / Church Street Do-Nothing Scenario



		Am			Pm		
		Queue (PCUs)	Delay Per PCU (s)	Deg Sat	Queue (PCUs)	Delay (s)	Deg Sat
2017	High Street	6.9	3	71.90%	7.7	3.4	76.40%
2021	High Street	9.2	4.2	81.60%	9.7	4.8	84.50%
2024	High Street	9.8	4.8	84.70%	12.1	6.4	89.80%
2028	High Street	12.1	6.5	90.20%	17.1	11.1	96.60%
2031	High Street	14.6	8.5	93.60%	30.4	23.7	102.80%

		Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Connaught Road Straight On	2.4	0.4	26.10%	4.1	0.7	38.70%
2021	Connaught Road Straight On	2.9	0.5	29.80%	4.7	0.8	42.10%
2024	Connaught Road Straight On	3.1	0.5	31.60%	5.3	0.9	45.60%
2028	Connaught Road Straight On	3.2	0.5	33.00%	5.9	1	48.60%
2031	Connaught Road Straight On	3.6	0.6	35.30%	6.4	1	50.40%

		Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Connaught Road Right Turn	6.5	2.7	71.40%	7.7	3.1	75.40%
2021	Connaught Road Right Turn	9	4.2	82.90%	9.3	4.5	84.40%
2024	Connaught Road Right Turn	10	4.8	85.50%	12	6.5	90.80%
2028	Connaught Road Right Turn	13.1	7.4	92.50%	18.9	12.5	97.90%
2031	Connaught Road Right Turn	15.7	10	95.90%	27.4	20.9	102.00%



Appendix S, Figure 4, Signalised Junction of Exchanges Street / Connaught Road / High Street Do-Nothing Scenario



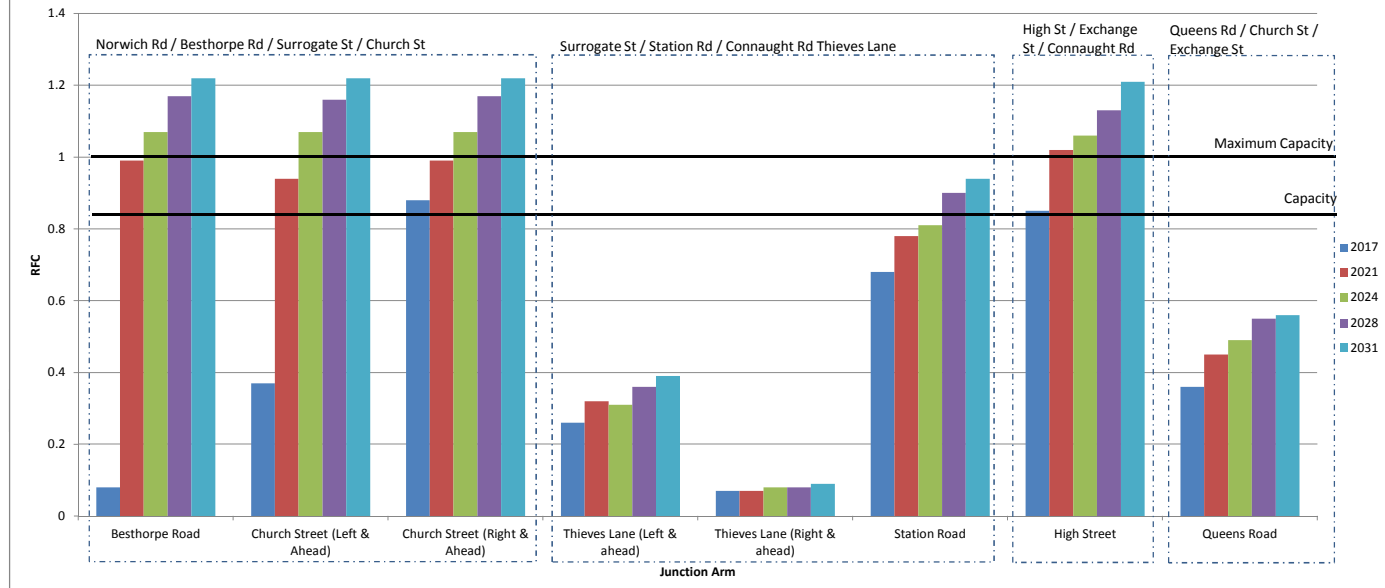
Am Peak

Junction	2			3		1	4	
	Besthorpe Road	Church Street (Left & Ahead)	Church Street (Right & Ahead)	Thieves Lane (Left & ahead)	Thieves Lane (Right & ahead)	Station Road	High Street	Queens Road
2017	0.08	0.37	0.88	0.26	0.07	0.68	0.85	0.36
2021	0.99	0.94	0.99	0.32	0.07	0.78	1.02	0.45
2024	1.07	1.07	1.07	0.31	0.08	0.81	1.06	0.49
2028	1.17	1.16	1.17	0.36	0.08	0.9	1.13	0.55
2031	1.22	1.22	1.22	0.39	0.09	0.94	1.21	0.56

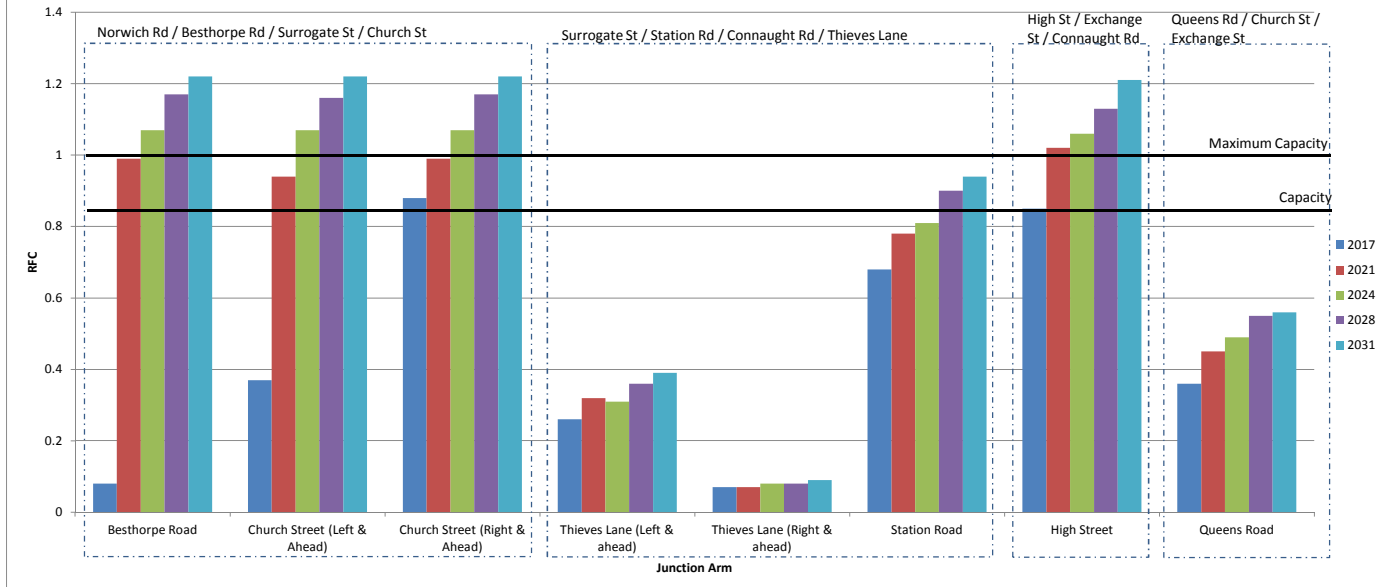
Pm Peak

Junction	2			3		1	4	
	Besthorpe Road	Church Street (Left & Ahead)	Church Street (Right & Ahead)	Thieves Lane (Left & ahead)	Thieves Lane (Right & ahead)	Station Road	High Street	Queens Road
2017	0.04	0.52	0.89	0.08	0.06	0.88	0.89	0.4
2021	0.04	1.01	1.01	0.32	0.07	1.1	1.01	0.52
2024	0.05	1.12	1.12	0.31	0.08	1.17	1.12	0.56
2028	0.05	1.21	1.21	0.36	0.08	1.29	1.22	0.6
2031	0.07	1.27	1.27	0.39	0.09	1.35	1.32	0.63

Forecast RFC Values for Town Centre Junctions Am Peak Period (Do Nothing)



Forecast RFC Values for Town Centre Junctions Pm Peak Period (Do Nothing)



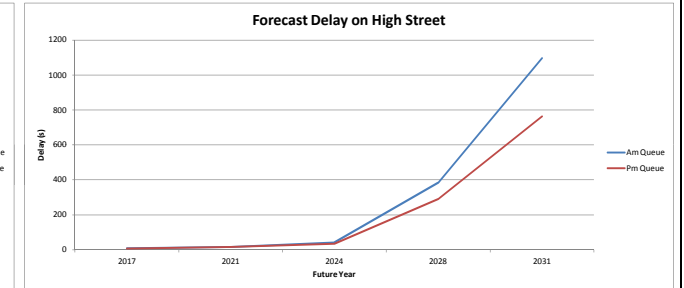
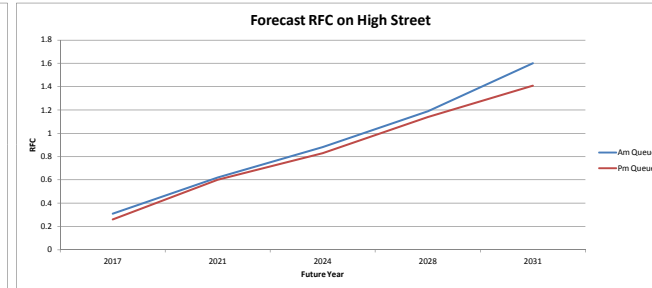
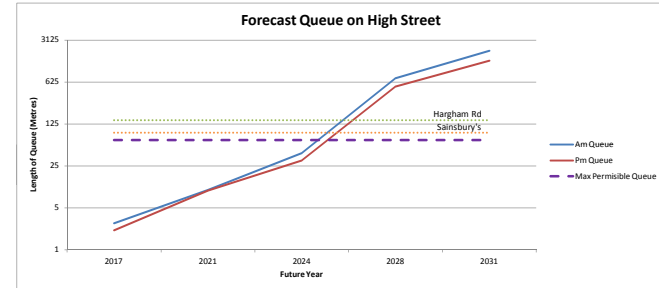
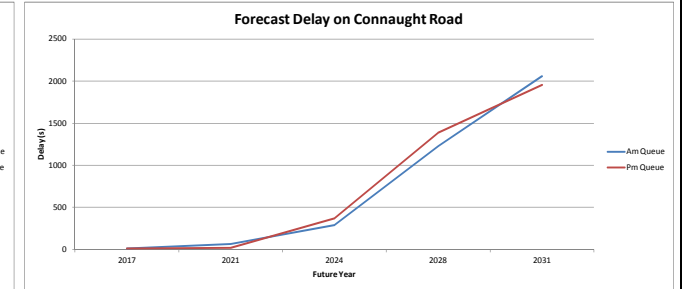
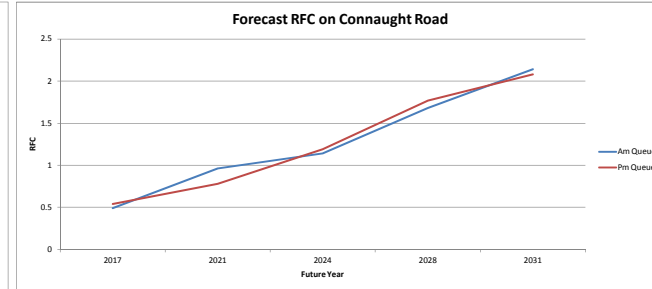
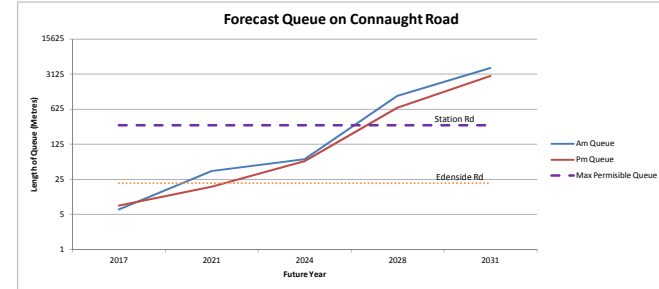
Appendix R, Figure 5, Forecast RFC Values for Town Centre Existing Junction Layouts Do-Nothing Scenario



Appendix U - Town Centre Operating as Priority Control

Year	Location	Am Queue			Pm Queue		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Connaught Road	1.04	9.85	0.49	1.25	9.46	0.54
2021	Connaught Road	6.12	65.46	0.96	2.96	17.98	0.78
2024	Connaught Road	10.44	288.94	1.14	9.62	366.68	1.19
2028	Connaught Road	191.39	1229.55	1.68	111.3	1386.99	1.77
2031	Connaught Road	686.36	2058.69	2.14	477.71	1954.28	2.08

Year	Location	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	High Street	0.46	7.8	0.31	0.35	7.26	0.26
2021	High Street	1.66	15.25	0.62	1.62	15.16	0.6
2024	High Street	6.77	42.37	0.88	5.11	34.58	0.83
2028	High Street	119.93	384.3	1.19	86.99	290.76	1.14
2031	High Street	347.06	1096.14	1.6	235.16	763.18	1.41



Appendix U, Figure 1, Priority Junction of Exchanges Street / Connaught Road / High Street
Town Centre Improvements Scenario - Priority Junctions



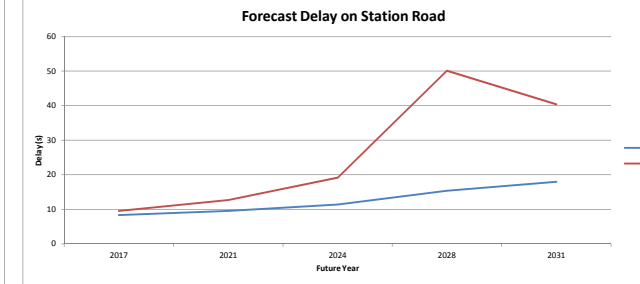
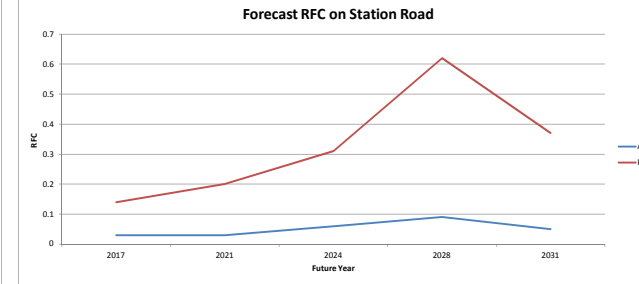
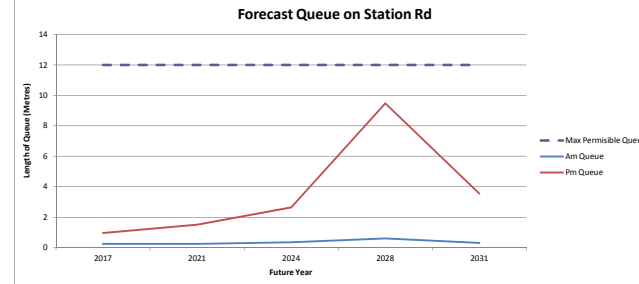
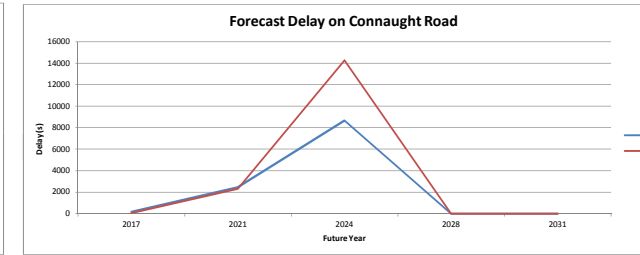
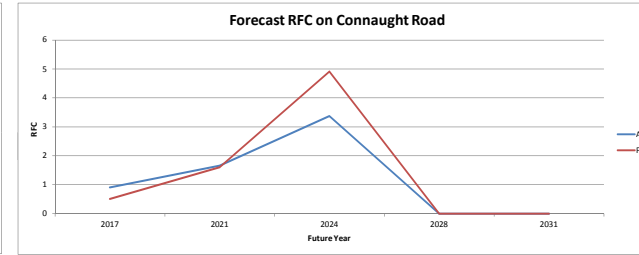
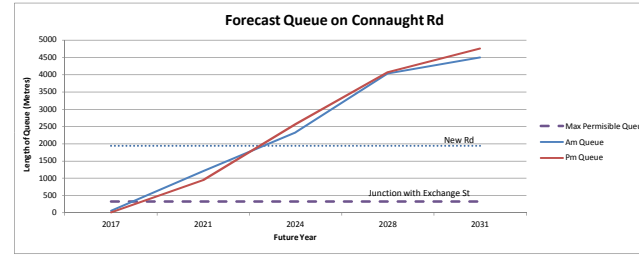
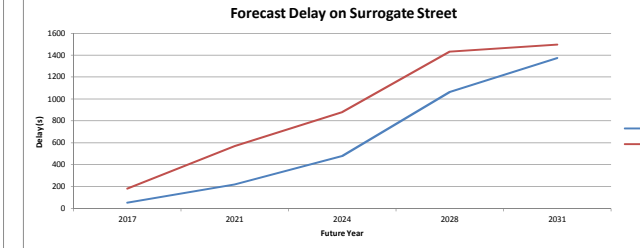
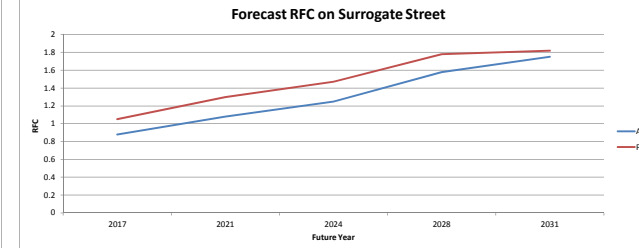
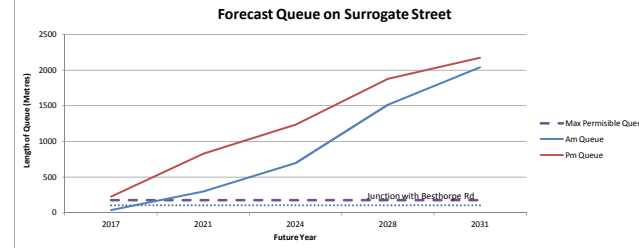
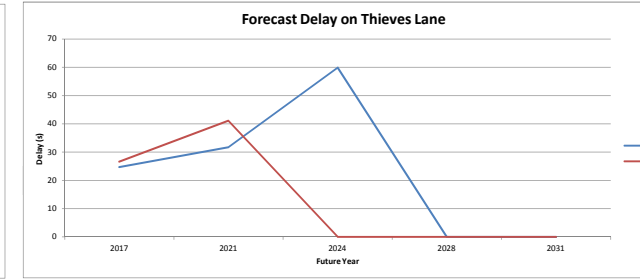
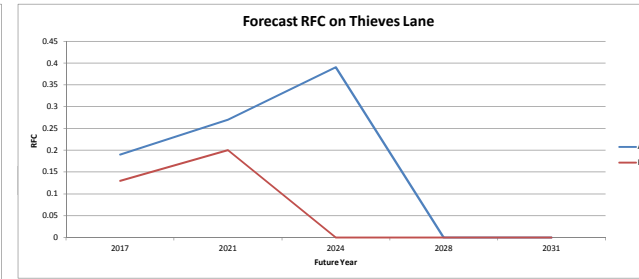
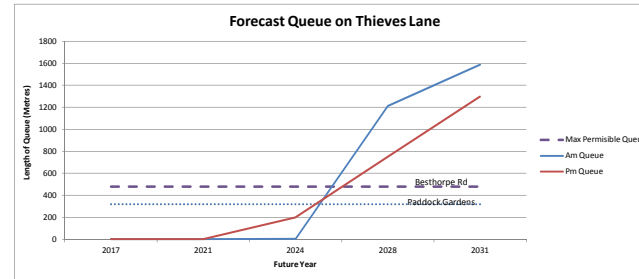
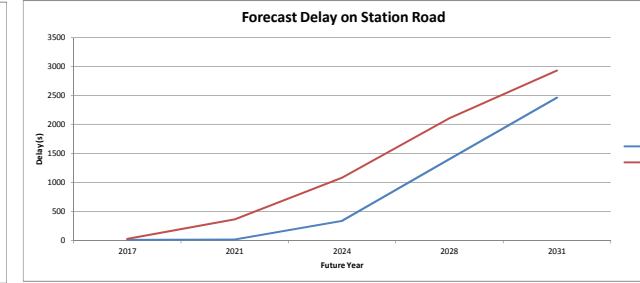
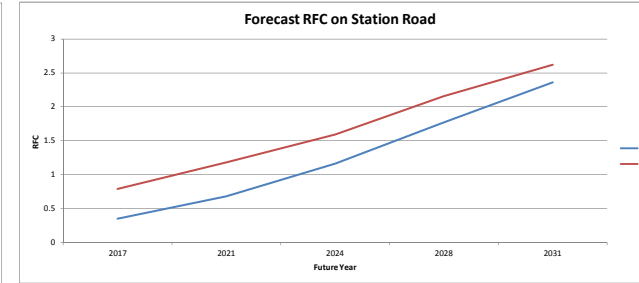
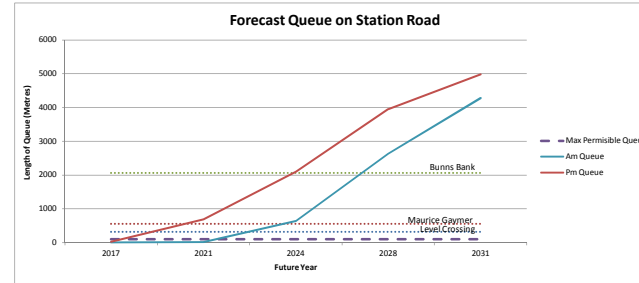
Year	Location	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Station Road to Connaught Rd	0.54	8.5	0.35	3.63	25.78	0.79
2021	Station Road to Connaught Rd	2.13	17.83	0.68	114.67	361.11	1.18
2024	Station Road to Connaught Rd	106.27	334.44	1.16	350.94	1078.64	1.59
2028	Station Road to Connaught Rd	439.37	1402.94	1.77	657.64	2106.02	2.16
2031	Station Road to Connaught Rd	714	2461.77	2.36	830.65	2929.67	2.62

Year	Location	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Thieves Lane	0.34	24.76	0.19	0.25	26.62	0.13
2021	Thieves Lane	0.52	31.69	0.27	0.44	41.13	0.2
2024	Thieves Lane	1.01	59.92	0.39	33.3	-	-
2028	Thieves Lane	202	-	-	124.7	-	-
2031	Thieves Lane	264.7	-	-	216.1	-	-

Year	Location	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Surrogate St to Connaught Rd	6.68	50.94	0.88	38.14	181.25	1.05
2021	Surrogate St to Connaught Rd	49.45	218.9	1.08	137.94	568.3	1.3
2024	Surrogate St to Connaught Rd	116.35	480.4	1.25	206.02	880.95	1.47
2028	Surrogate St to Connaught Rd	252.82	1065.06	1.58	312.9	1433.37	1.78
2031	Surrogate St to Connaught Rd	340.19	1372.84	1.75	362.93	1496.98	1.82

Year	Location	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Connaught Rd Combined Movements	9.92	158.88	0.91	2.01	50.56	0.51
2021	Connaught Rd Combined Movements	201.56	2480.71	1.66	158.4	2305.16	1.6
2024	Connaught Rd Combined Movements	387.8	8674.9	3.37	428.48	14239.41	4.91
2028	Connaught Rd Combined Movements	672.1	-	-	678.7	-	-
2031	Connaught Rd Combined Movements	749.3	-	-	792.1	-	-

Year	Location	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Station Road to Thieves Lane	0.04	8.33	0.03	0.16	9.54	0.14
2021	Station Road to Thieves Lane	0.04	9.53	0.03	0.25	12.66	0.2
2024	Station Road to Thieves Lane	0.06	11.36	0.06	0.44	19.18	0.31
2028	Station Road to Thieves Lane	0.1	15.34	0.09	1.58	50.14	0.62
2031	Station Road to Thieves Lane	0.05	17.94	0.05	0.59	40.42	0.37



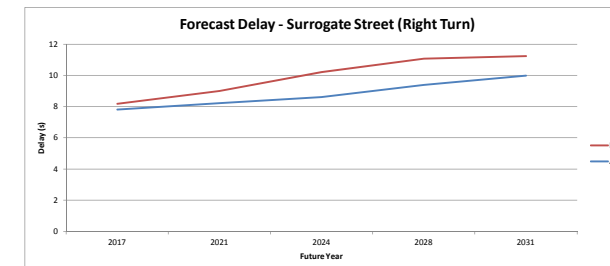
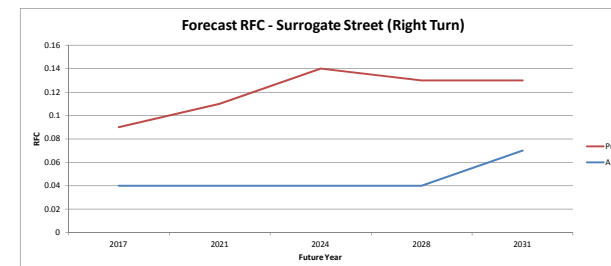
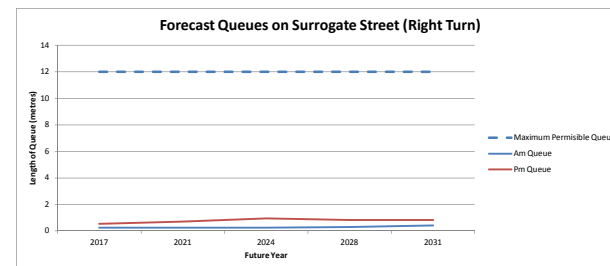
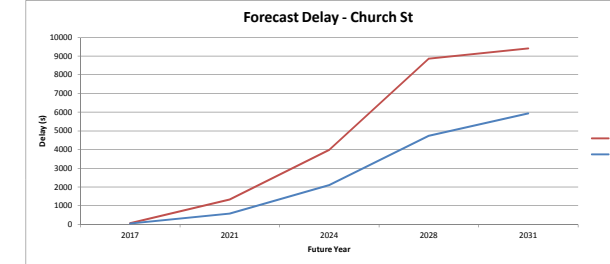
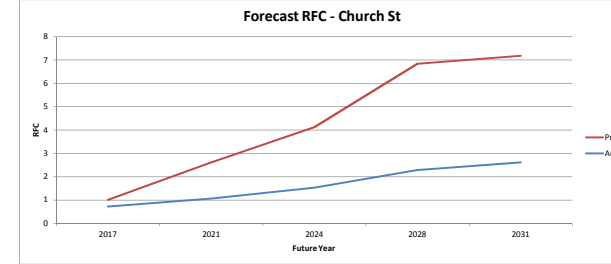
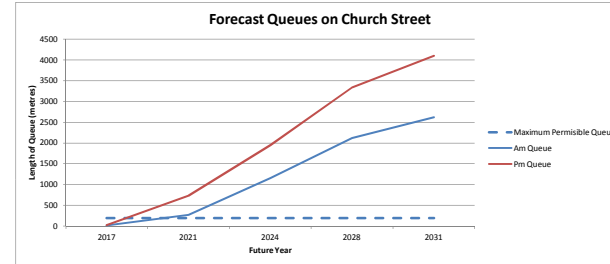
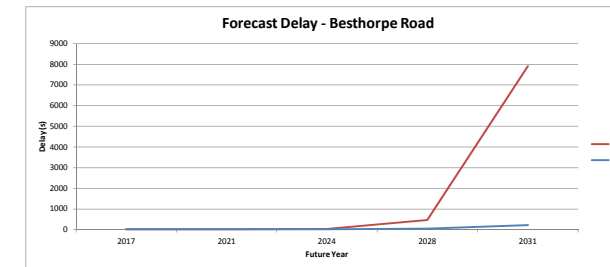
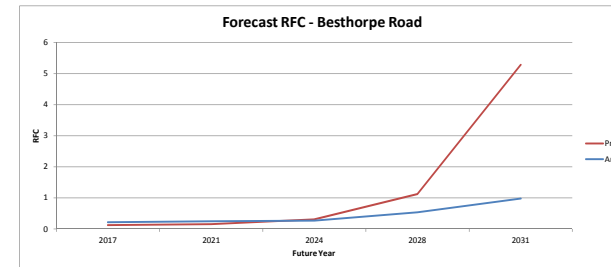
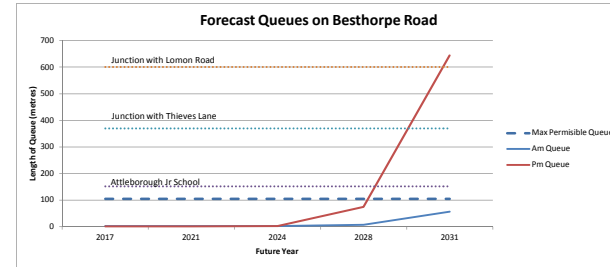
Appendix U, Figure 2, Priority Junction of Surrogate Street / Thieves Lane / Station Road / Connaught Road Town Centre Improvements Scenario - Priority Junctions



	Am			Pm			
	Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC	
2017	Besthorpe Road	0.26	13.89	0.21	0.14	14.09	0.12
2021	Besthorpe Road	0.34	18.1	0.25	0.18	18.56	0.15
2024	Besthorpe Road	0.36	21.85	0.27	0.44	34.59	0.31
2028	Besthorpe Road	1.12	46.2	0.53	12.33	475.91	1.12
2031	Besthorpe Road	9.43	221.02	0.98	107.3	7906.62	5.29

	Am			Pm			
	Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC	
2017	Church Street	2.74	47.5	0.72	4.2	61.73	1.01
2021	Church Street	45.63	577.03	1.06	121.86	1339.43	2.62
2024	Church Street	193.42	2094.71	1.53	324.5	3991.3	4.12
2028	Church Street	352.79	4746.67	2.28	555.67	8862.18	6.84
2031	Church Street	437.01	5934.64	2.61	683.15	9416.36	7.18

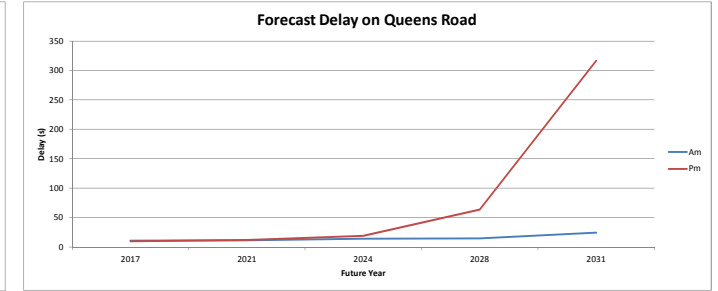
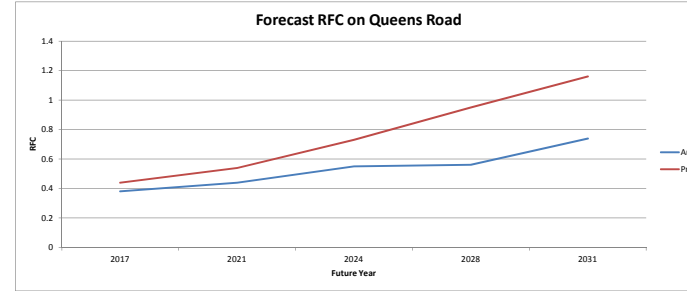
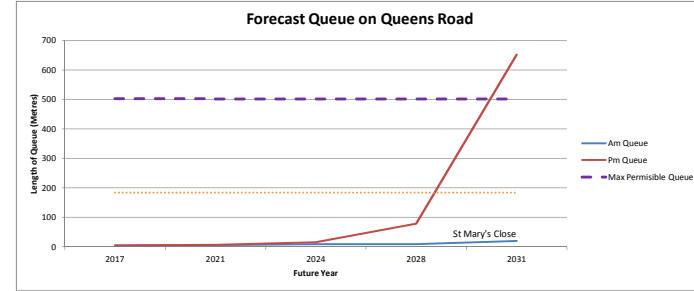
	Am			Pm			
	Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC	
2017	Surrogate Street - Right Turn	0.04	7.81	0.04	0.09	8.18	0.09
2021	Surrogate Street - Right Turn	0.04	8.22	0.04	0.12	9	0.11
2024	Surrogate Street - Right Turn	0.04	8.62	0.04	0.16	10.21	0.14
2028	Surrogate Street - Right Turn	0.05	9.4	0.04	0.14	11.07	0.13
2031	Surrogate Street - Right Turn	0.07	9.99	0.07	0.14	11.25	0.13



Appendix U, Figure 3, Priority Junction of Norwich Road / Besthorpe Road / Surrogate Street / Church Street
Town Centre Improvements Scenario - Priority Junctions



		Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Queens Road	0.79	10.55	0.38	0.84	9.63	0.44
2021	Queens Road	0.95	11.34	0.44	1.24	11.58	0.54
2024	Queens Road	1.47	14.09	0.55	2.7	19.05	0.73
2028	Queens Road	1.48	14.69	0.56	13.07	63.35	0.95
2031	Queens Road	3.25	24.48	0.74	108.71	316.67	1.16



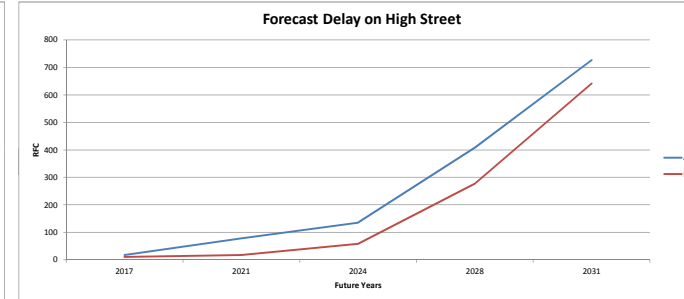
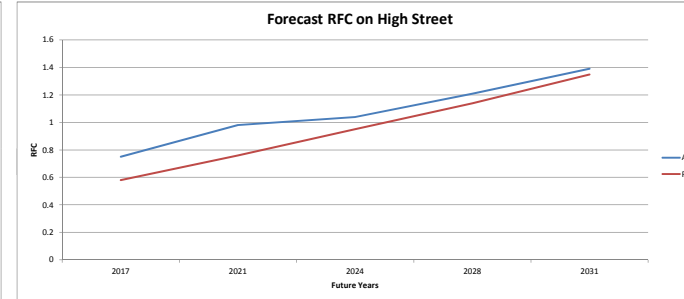
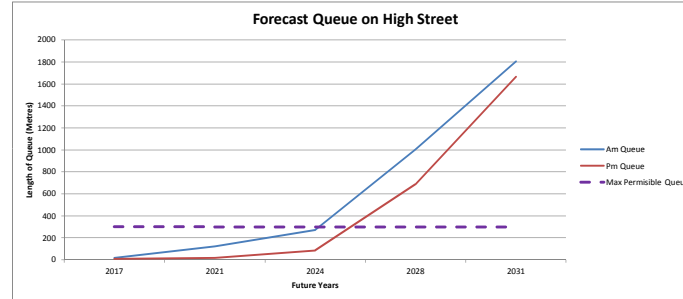
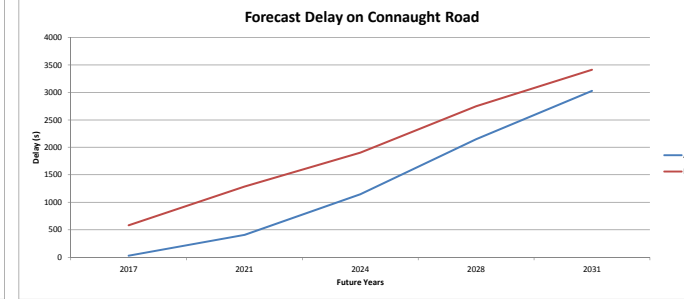
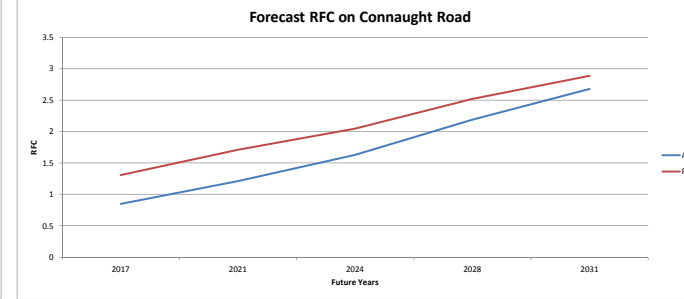
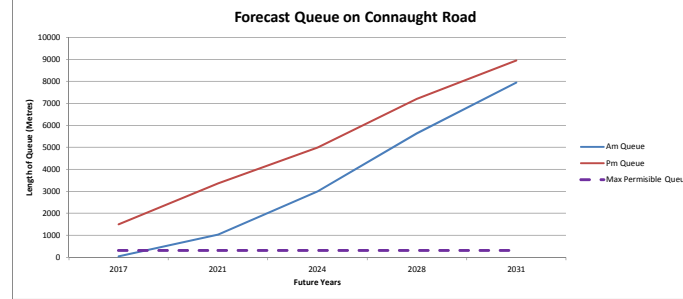
Appendix U, Figure 4, Existing Junction Layout of Queens Road / Church Street / Exchange Street
Town Centre Improvements Scenario - Priority Junctions



Appendix V – Town Centre Operating as Roundabout Junctions

		Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Connaught Rd	5.31	27.73	0.85	249.49	580.72	1.31
2021	Connaught Rd	170.72	404.25	1.21	559.48	1284.5	1.71
2024	Connaught Rd	499.62	1148.11	1.63	831	1902.83	2.05
2028	Connaught Rd	938.87	2148.5	2.19	1201.69	2747.77	2.52
2031	Connaught Rd	1325.62	3030.26	2.68	1492.56	3411.04	2.89

		Am Queue			Pm Queue		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	High Street	2.96	17.64	0.75	1.37	10.31	0.58
2021	High Street	20.4	77.71	0.98	3.11	17.83	0.76
2024	High Street	45.14	135.55	1.04	14.33	58.05	0.95
2028	High Street	167.54	408.06	1.21	114.77	277.18	1.14
2031	High Street	300.7	726.82	1.39	277.54	641.47	1.35



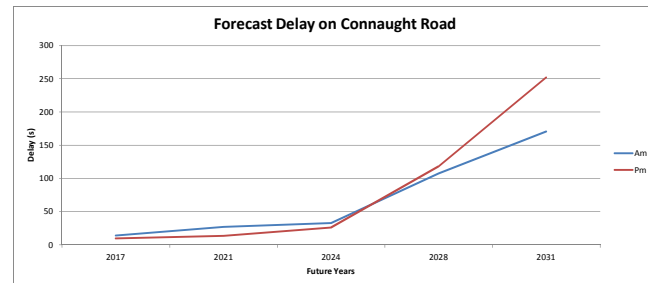
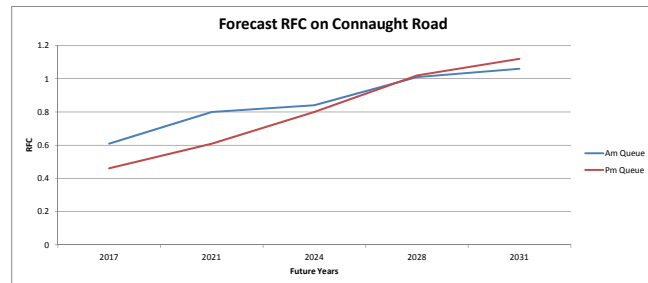
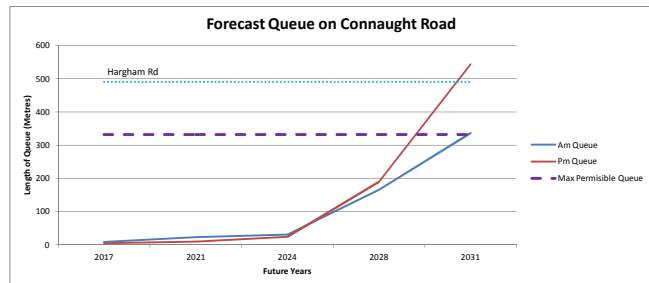
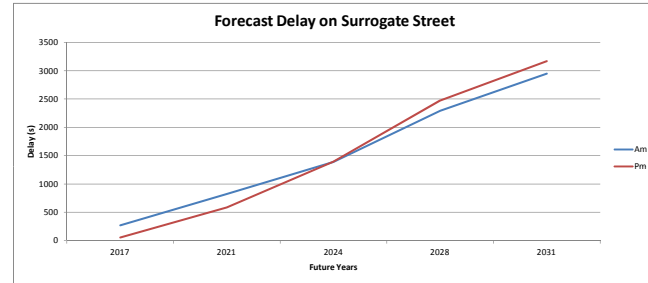
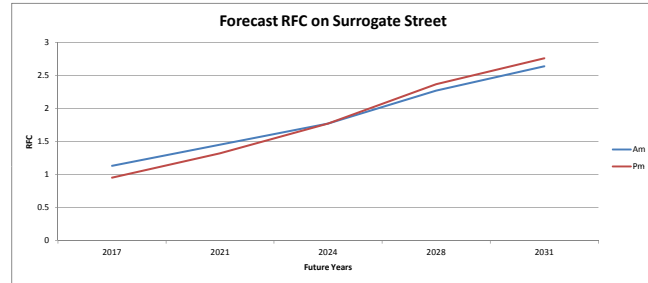
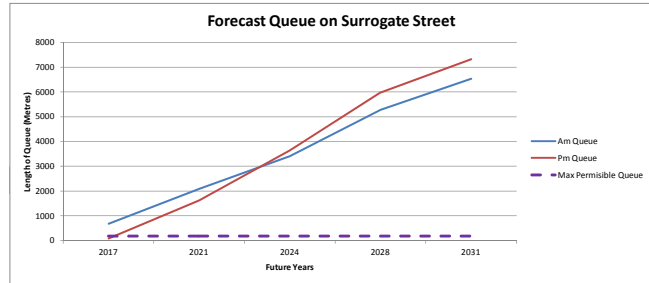
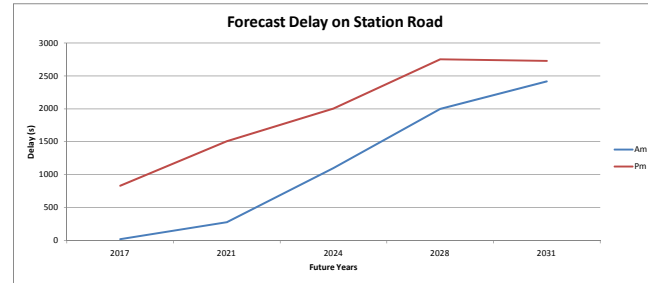
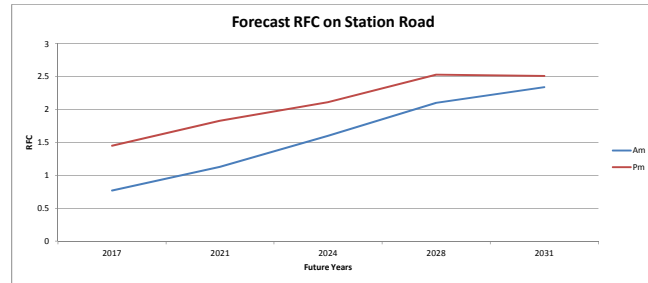
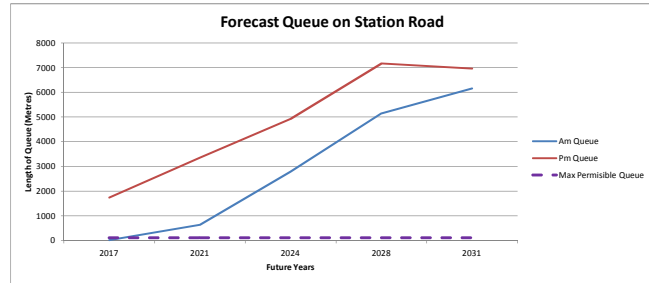
Appendix V, Figure 1, Roundabout Junction of Exchanges Street / Connaught Road / High Street
Town Centre Improvements Scenario - Roundabout Junctions



Year	Road	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Station Rd	3.29	21.01	0.77	288.65	831.02	1.45
2021	Station Rd	105.41	277.07	1.13	559.4	1506.17	1.83
2024	Station Rd	464.83	1099.8	1.6	821.11	2001.48	2.11
2028	Station Rd	857.95	1997.88	2.1	1193.76	2753.17	2.53
2031	Station Rd	1026.29	2413.56	2.34	1159.16	2724.88	2.51

Year	Road	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Surrogate St	112.34	267.8	1.13	14.39	52.81	0.95
2021	Surrogate St	347.11	819.83	1.45	270.8	585.09	1.32
2024	Surrogate St	566.66	1390.53	1.77	605.63	1392.84	1.77
2028	Surrogate St	881.07	2293.56	2.27	996.74	2473.62	2.37
2031	Surrogate St	1089.02	2952.36	2.64	1221.72	3171.6	2.76

Year	Road	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Connaught Rd	1.52	13.86	0.61	0.85	9.87	0.46
2021	Connaught Rd	3.86	27.19	0.8	1.58	13.72	0.61
2024	Connaught Rd	5.18	32.8	0.84	3.96	26	0.8
2028	Connaught Rd	27.61	107.55	1.01	31.73	118.27	1.02
2031	Connaught Rd	56.06	170.7	1.06	90.7	252.17	1.12



Appendix V, Figure 2, Roundabout Junction of Surrogate Street / Station Road / Connaught Road
Town Centre Improvements Scenario - Roundabout Junctions

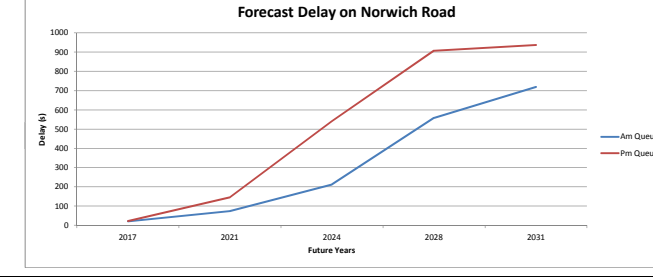
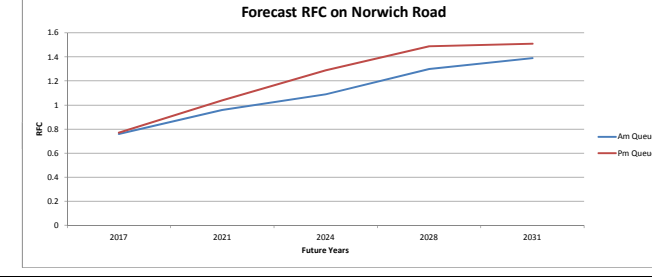
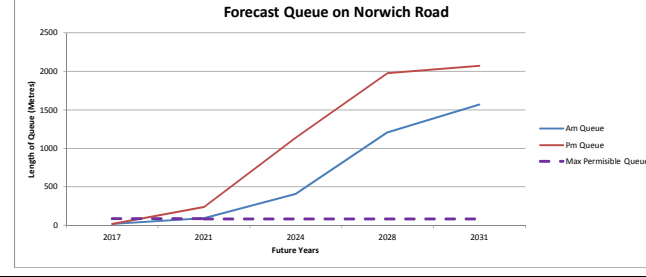
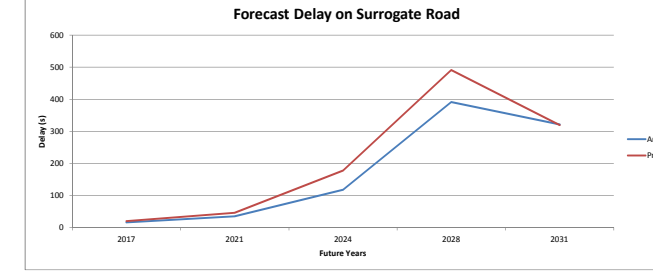
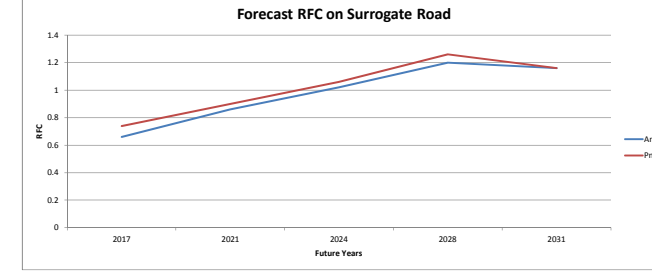
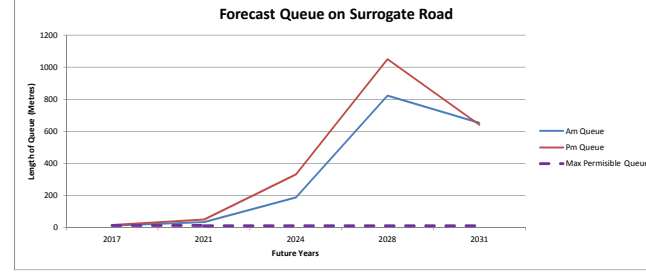
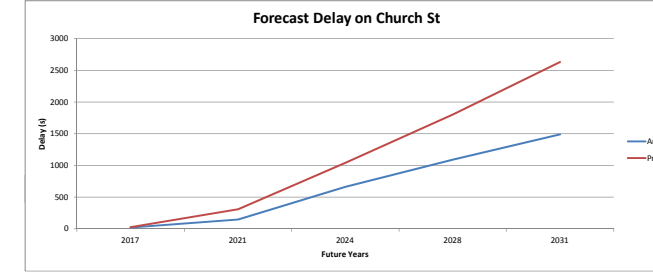
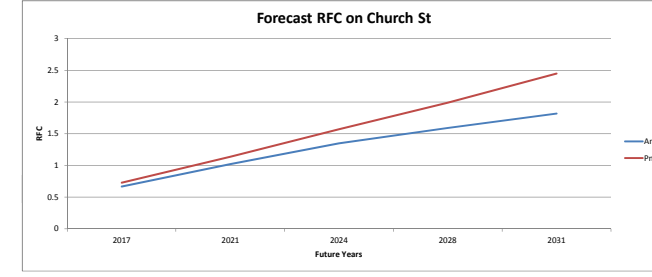
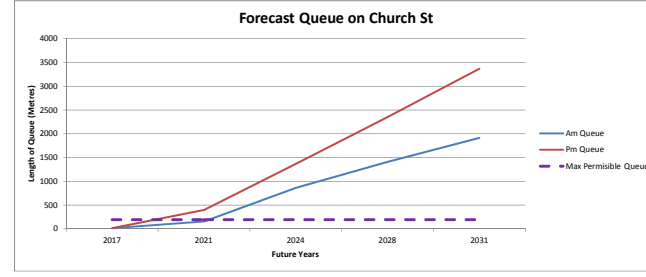
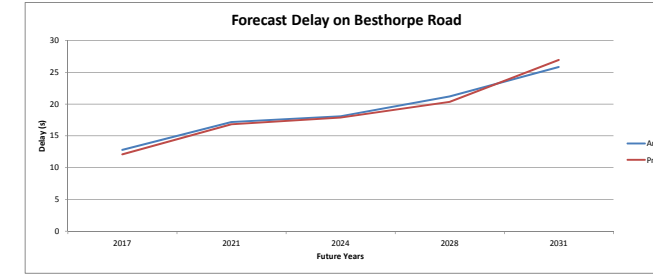
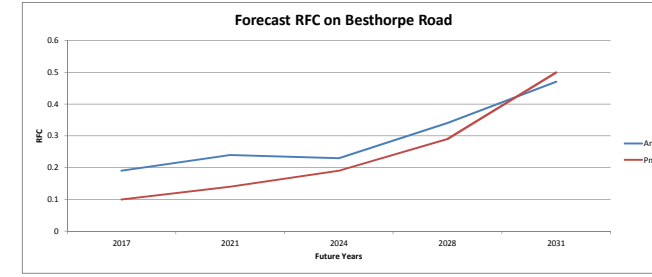
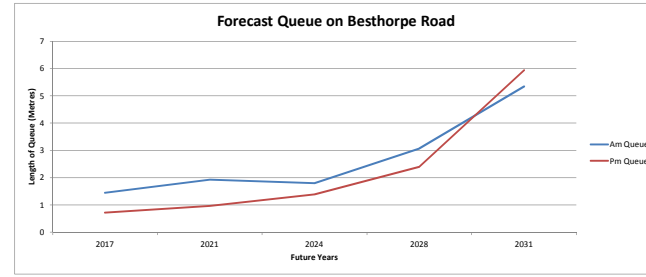


Year	Road	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Besthorpe Road	0.24	12.8	0.19	0.12	12.1	0.1
2021	Besthorpe Road	0.32	17.15	0.24	0.16	16.8	0.14
2024	Besthorpe Road	0.3	18.1	0.23	0.23	17.87	0.19
2028	Besthorpe Road	0.51	21.19	0.34	0.4	20.32	0.29
2031	Besthorpe Road	0.89	25.83	0.47	0.99	26.95	0.5

Year	Road	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Church Street	1.96	20.94	0.67	2.58	25.78	0.73
2021	Church Street	25.83	148.01	1.02	66.78	307.51	1.14
2024	Church Street	143.7	662.76	1.35	227.82	1042.33	1.57
2028	Church Street	234.39	1090.66	1.59	391.65	1806.1	1.99
2031	Church Street	318.77	1492.82	1.82	561.33	2634.64	2.45

Year	Road	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Surrogate Street - Right Turn	1.96	15.91	0.66	2.77	19.99	0.74
2021	Surrogate Street - Right Turn	5.93	35.7	0.86	8.39	46.33	0.9
2024	Surrogate Street - Right Turn	31.5	118.58	1.02	55.29	177.87	1.06
2028	Surrogate Street - Right Turn	137.23	391.3	1.2	175.1	492.94	1.26
2031	Surrogate Street - Right Turn	109.01	322.1	1.16	107.05	319.46	1.16

Year	Road	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Norwich Road	3.08	20.71	0.76	3.27	22.36	0.77
2021	Norwich Road	15.24	73.19	0.96	40.06	146.04	1.04
2024	Norwich Road	68.27	212.36	1.09	190.05	540.93	1.29
2028	Norwich Road	201.33	557.86	1.3	329.49	907.59	1.49
2031	Norwich Road	261.3	719.39	1.39	345.75	937.93	1.51

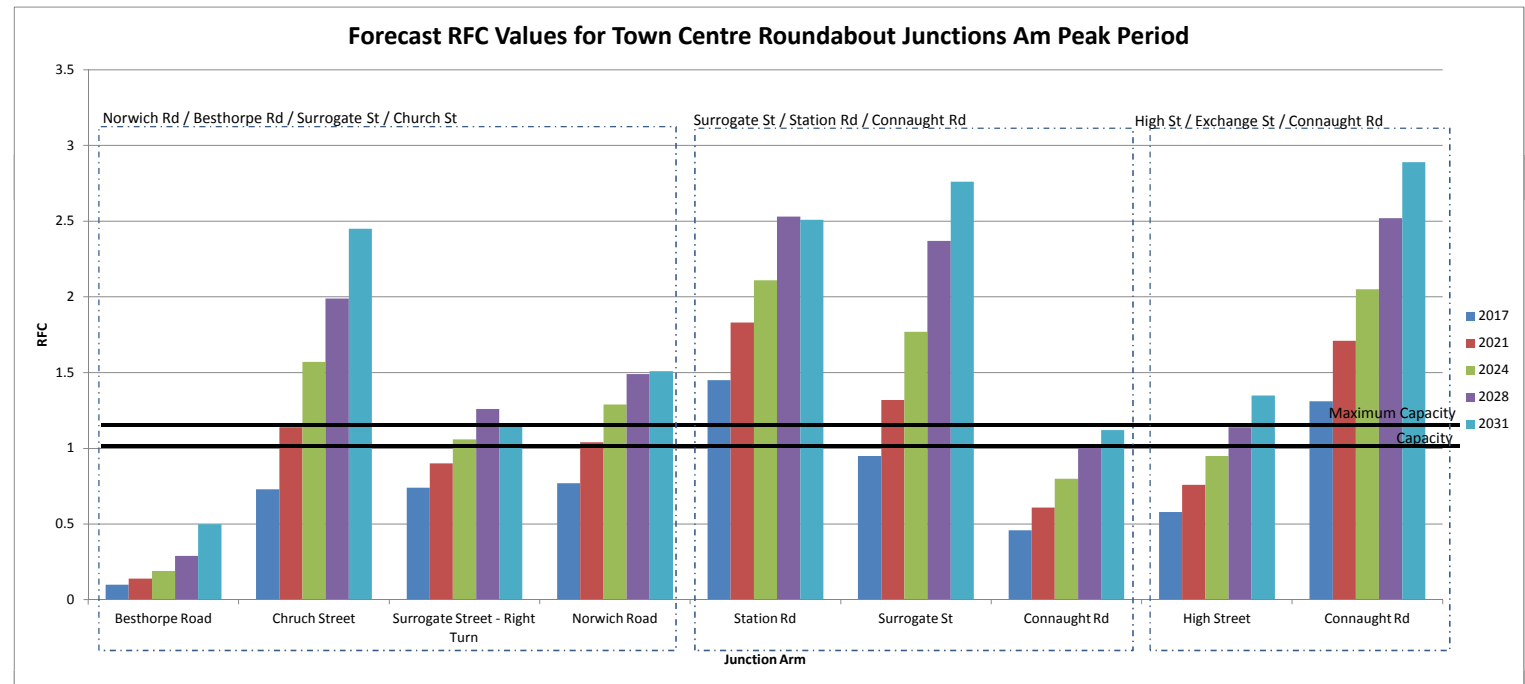
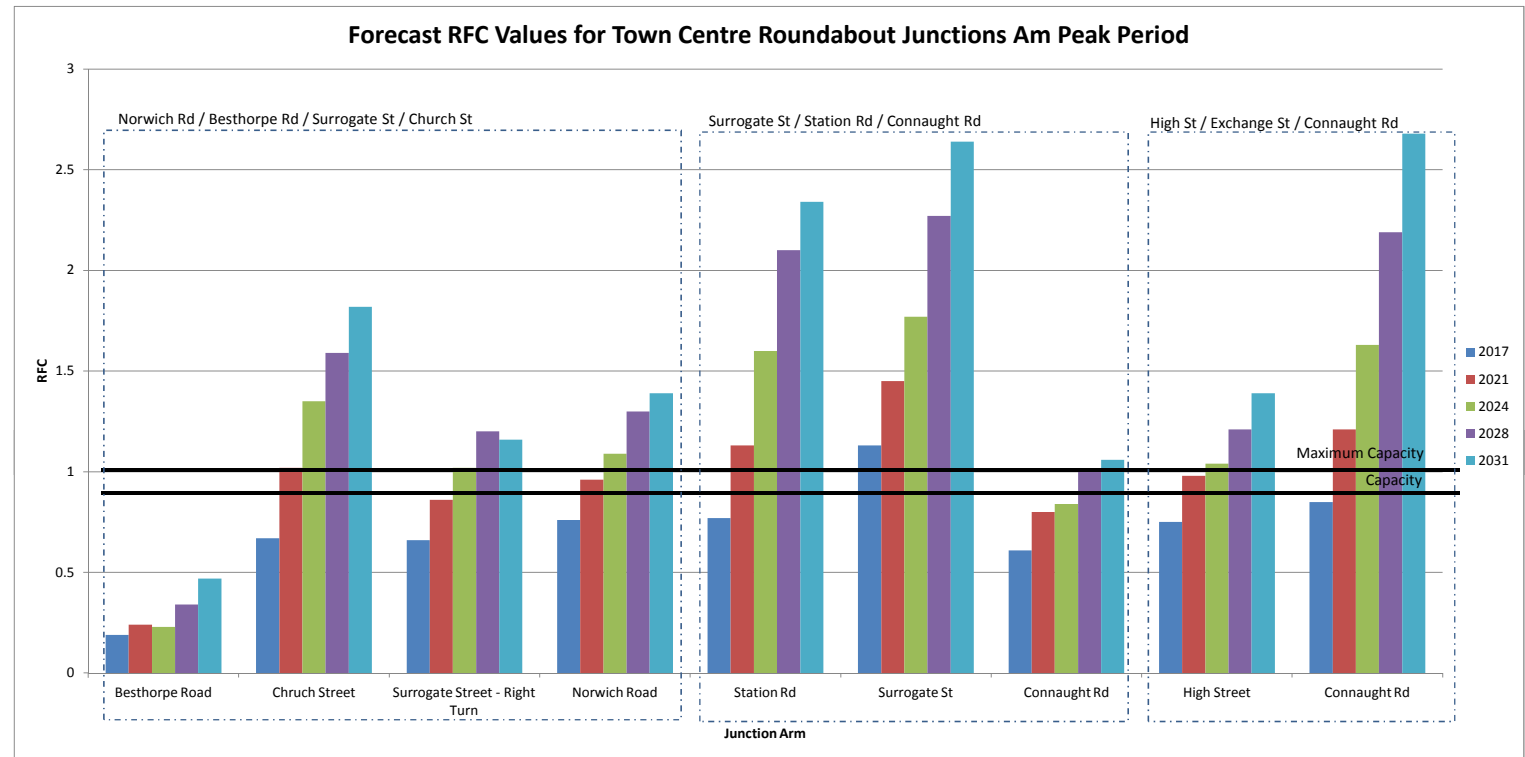


Appendix V, Figure 3, Roundabout Junction of Norwich Road / Besthorpe Road / Surrogate Street / Church Street
Town Centre Improvements Scenario - Roundabout Junctions



Junction	2				3			1	
	Besthorpe Road	Chruch Street	Surrogate Street - Right Turn	Norwich Road	Station Rd	Surrogate St	Connaught Rd	High Street	Connaught Rd
	Am	Am	Am	Am	Am	Am	Am	Am	Am
2017	0.19	0.67	0.66	0.76	0.77	1.13	0.61	0.75	0.85
2021	0.24	1.02	0.86	0.96	1.13	1.45	0.8	0.98	1.21
2024	0.23	1.35	1.02	1.09	1.6	1.77	0.84	1.04	1.63
2028	0.34	1.59	1.2	1.3	2.1	2.27	1.01	1.21	2.19
2031	0.47	1.82	1.16	1.39	2.34	2.64	1.06	1.39	2.68

Junction	2				3			1	
	Besthorpe Road	Chruch Street	Surrogate Street - Right Turn	Norwich Road	Station Rd	Surrogate St	Connaught Rd	High Street	Connaught Rd
	Pm	Pm	Pm	Pm	Pm	Pm	Pm	Pm	Pm
2017	0.1	0.73	0.74	0.77	1.45	0.95	0.46	0.58	1.31
2021	0.14	1.14	0.9	1.04	1.83	1.32	0.61	0.76	1.71
2024	0.19	1.57	1.06	1.29	2.11	1.77	0.8	0.95	2.05
2028	0.29	1.99	1.26	1.49	2.53	2.37	1.02	1.14	2.52
2031	0.5	2.45	1.16	1.51	2.51	2.76	1.12	1.35	2.89



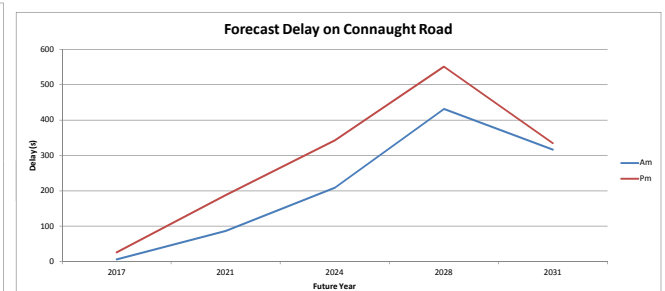
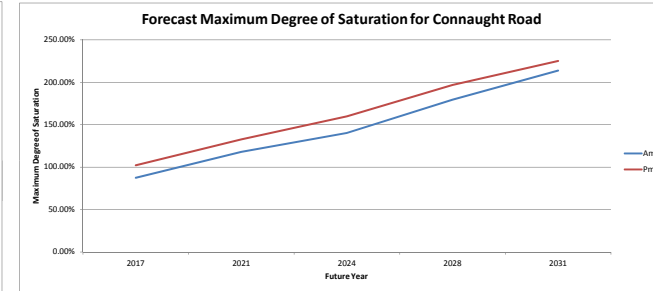
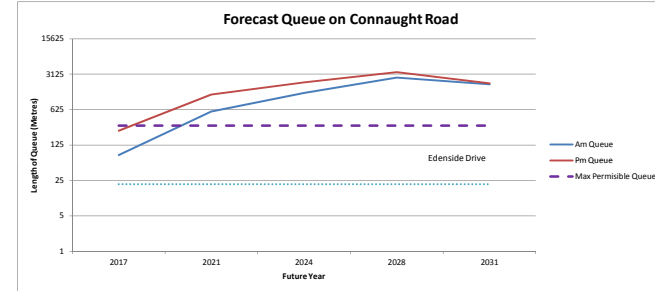
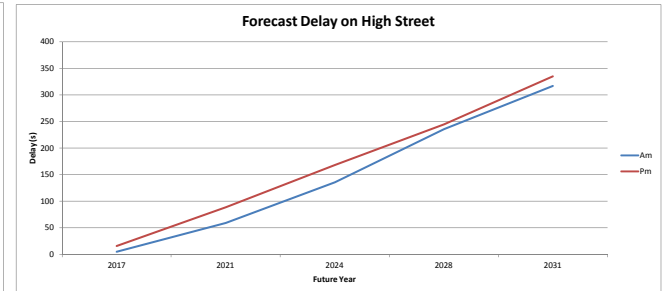
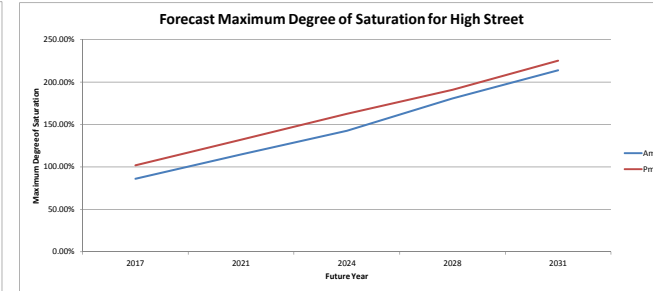
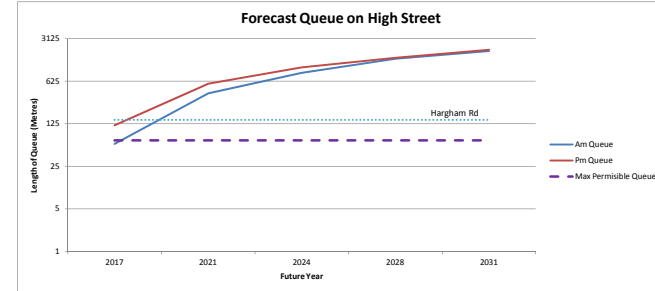
Appendix V, Figure 4, Forecast RFC Values for Town Centre Improvements Scenario - Roundabout Junctions



Appendix W – Town Centre Operating as Traffic Signals

		Am			Pm		
		Queue (PCUs)	Delay Per PCU (s)	Deg Sat	Queue (PCUs)	Delay (s)	Deg Sat
2017	High Street	9.8	5	85.90%	19.7	15.9	101.80%
2021	High Street	65.7	59.2	114.70%	94.7	88.5	132.10%
2024	High Street	144	135.7	142.80%	175.3	168	162.50%
2028	High Street	244	235.2	180.90%	252.6	244.3	191.10%
2031	High Street	326.1	316.6	213.80%	344.4	334.9	225.20%

		Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Connaught Road	13.2	5.8	87.30%	39.9	26.2	102.00%
2021	Connaught Road	96	86.5	118.00%	205.3	188.2	132.70%
2024	Connaught Road	223	208.6	140.20%	360.4	342.6	160.00%
2028	Connaught Road	447.7	431.1	179.50%	569.9	551	196.70%
2031	Connaught Road	326.1	316.6	213.80%	344.4	334.9	225.20%



Appendix W, Figure 1, Signalised Junction of Exchange Street / Connaught Road / High Street Town Centre Improvements Scenario - Signalised Junctions

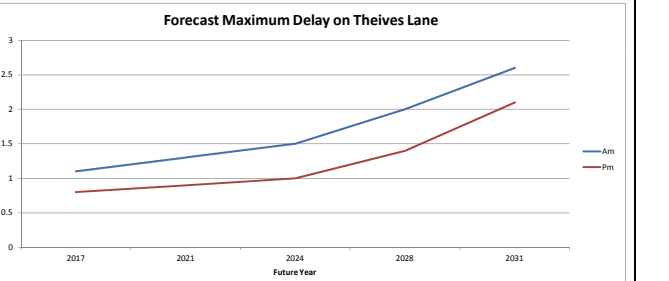
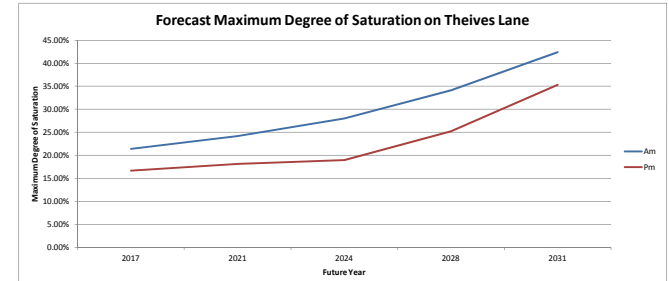
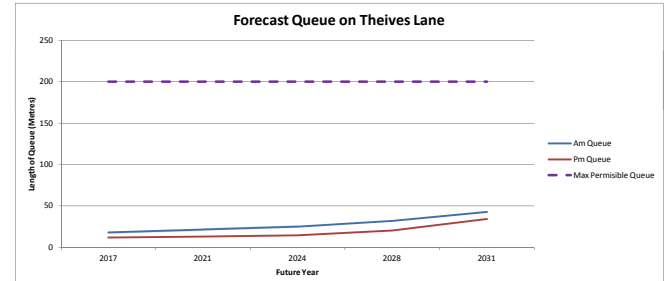
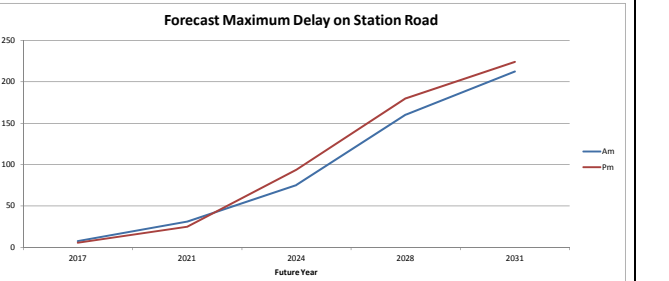
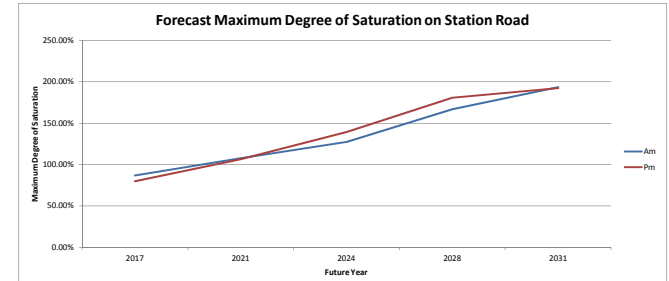
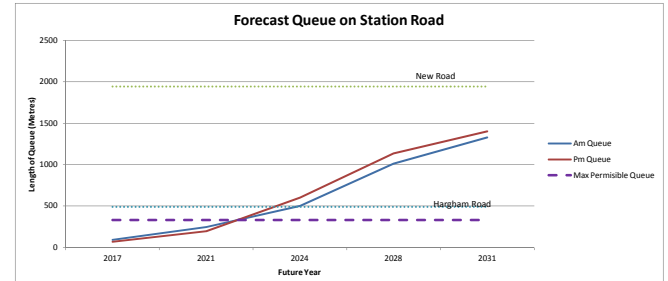
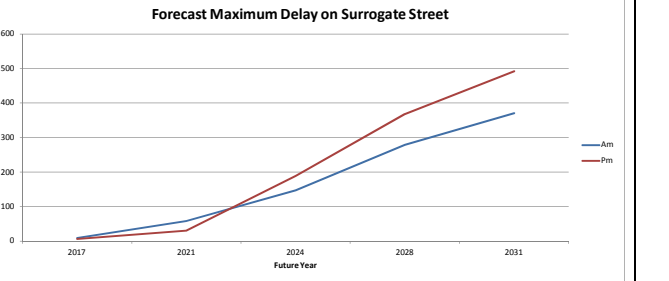
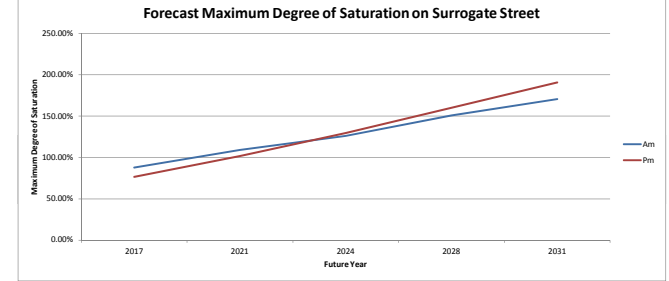
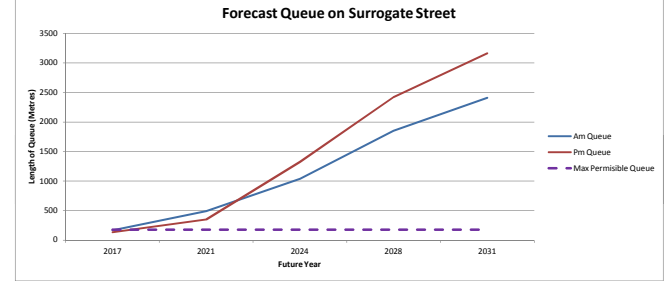
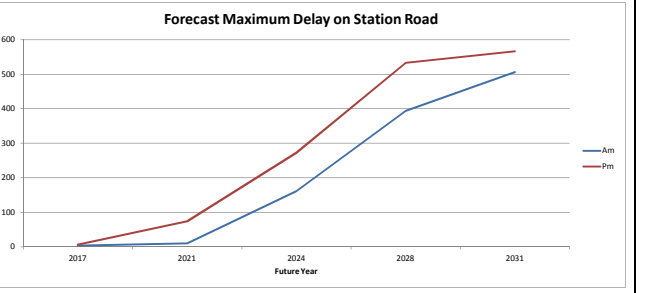
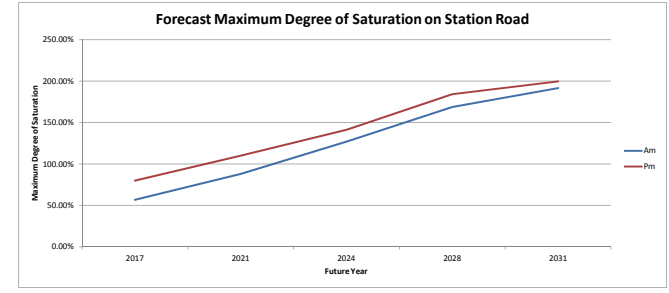
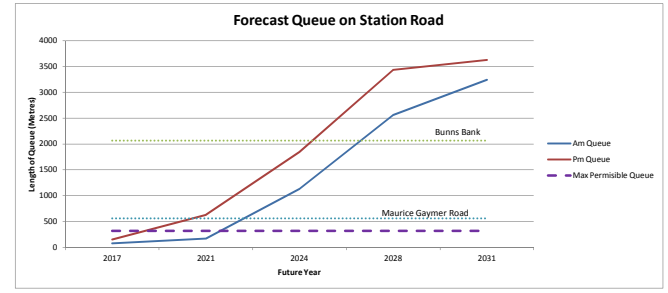


		Am			Pm		
		Queue (PCUs)	Delay Per PCU (s)	Deg Sat	Queue (PCUs)	Delay (s)	Deg Sat
2017	Station Road	13.3	3.8	56.70%	25.5	6.7	80.00%
2021	Station Road	28.3	9.8	88.00%	105.1	74	109.90%
2024	Station Road	188.6	160.9	127.20%	307.6	272.5	141.30%
2028	Station Road	427.2	394	168.70%	572.9	532.9	184.30%
2031	Station Road	540.6	505.9	191.40%	603.9	566.8	199.60%

		Am			Pm		
		Queue (PCUs)	Delay Per PCU (s)	Deg Sat	Queue (PCUs)	Delay (s)	Deg Sat
2017	Surrogate Street	27.3	9.2	87.60%	21.9	5.7	76.60%
2021	Surrogate Street	81.7	58.2	109.10%	58.3	30	101.70%
2024	Surrogate Street	173.5	147.3	126.10%	220.9	189	129.70%
2028	Surrogate Street	308.4	279.1	150.80%	403.1	368	160.30%
2031	Surrogate Street	401.2	370.9	170.50%	526.8	492.5	190.70%

		Am			Pm		
		Queue (PCUs)	Delay Per PCU (s)	Deg Sat	Queue (PCUs)	Delay (s)	Deg Sat
2017	Connaught Road	15.5	7.5	86.80%	11.7	5.7	80.00%
2021	Connaught Road	41.1	31.3	107.60%	32.9	25.1	106.50%
2024	Connaught Road	83.7	75.1	127.40%	100.5	93.8	139.40%
2028	Connaught Road	168.4	160.4	166.80%	188.9	179.9	180.80%
2031	Connaught Road	221.5	212.4	193.30%	233.9	223.9	192.50%

		Am			Pm		
		Queue (PCUs)	Delay Per PCU (s)	Deg Sat	Queue (PCUs)	Delay (s)	Deg Sat
2017	Theives Lane	3	1.1	21.40%	2	0.8	16.70%
2021	Theives Lane	3.6	1.3	24.20%	2.2	0.9	18.10%
2024	Theives Lane	4.2	1.5	28.00%	2.4	1	19.00%
2028	Theives Lane	5.3	2	34.10%	3.4	1.4	25.20%
2031	Theives Lane	7.1	2.6	42.40%	5.7	2.1	35.30%



Appendix W, Figure 2, Signalised Junction of Surrogate Street / Theives Lane / Station Road / Connaught Road
Town Centre Improvements Scenario - Signalised Junctions



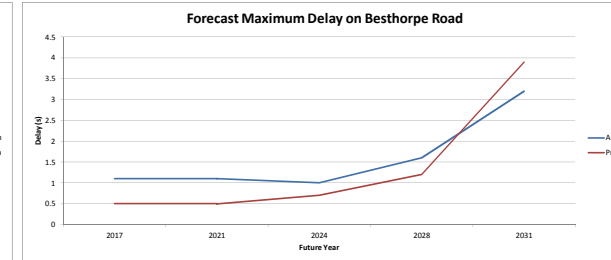
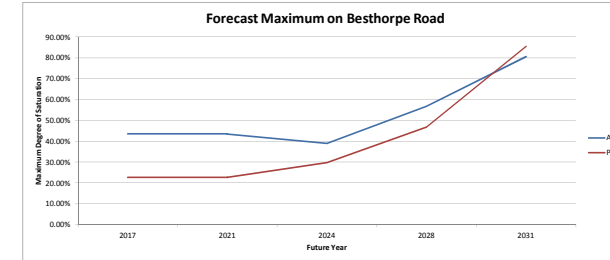
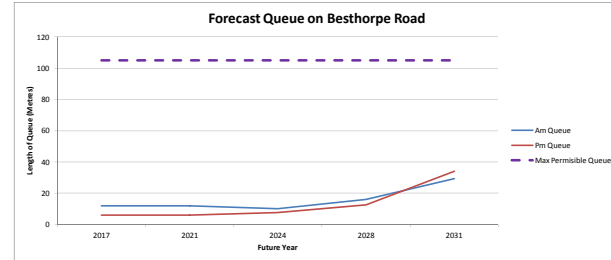
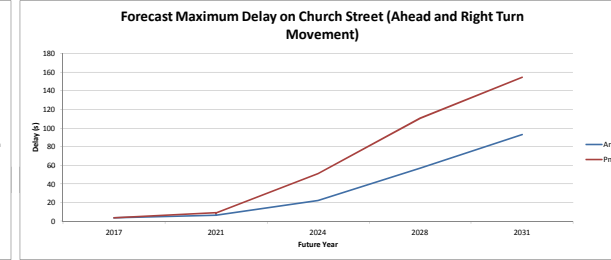
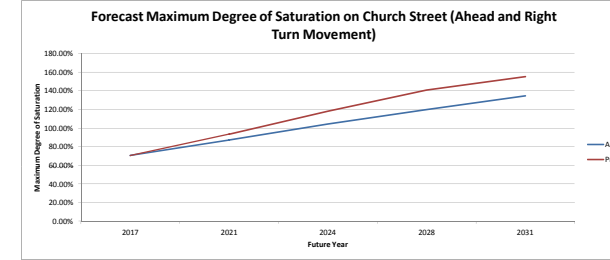
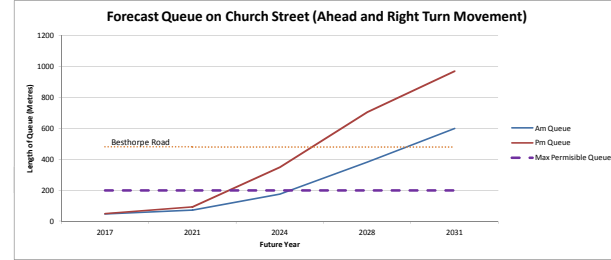
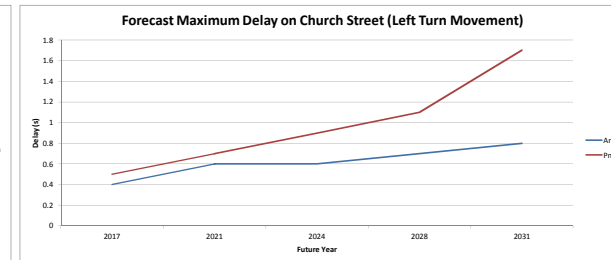
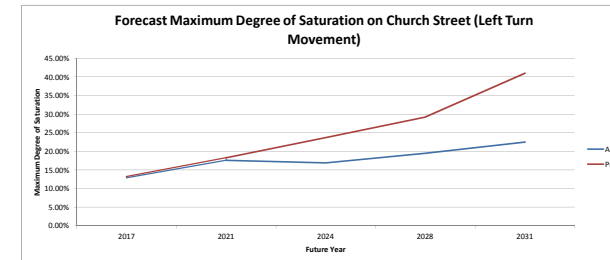
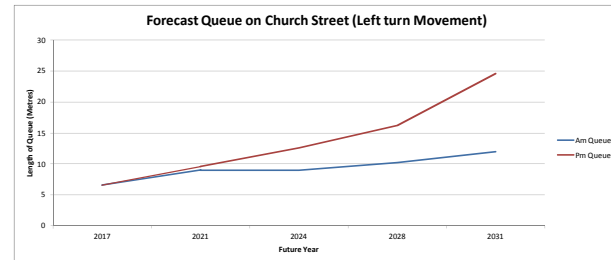
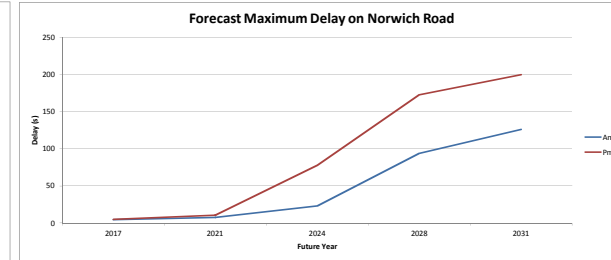
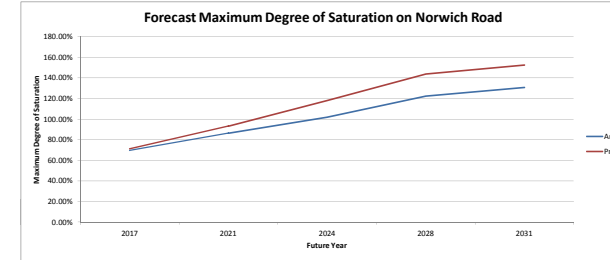
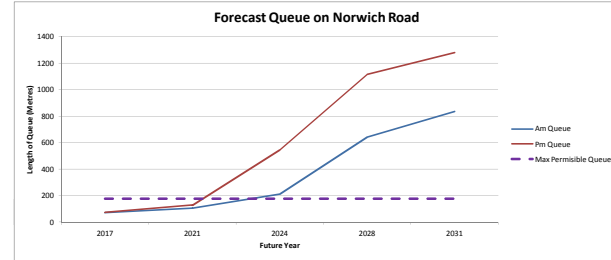
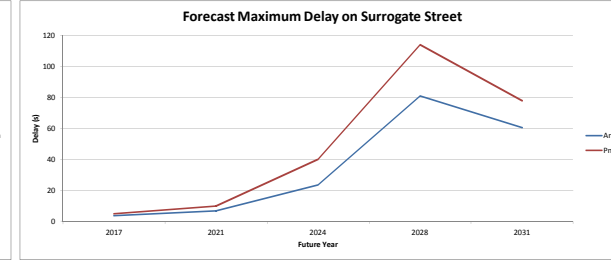
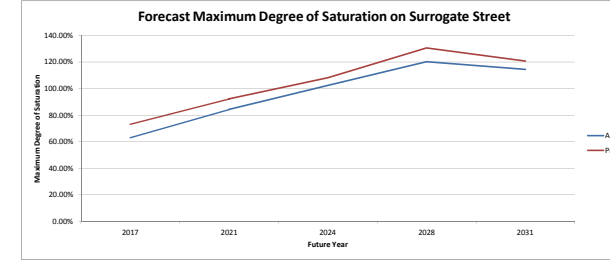
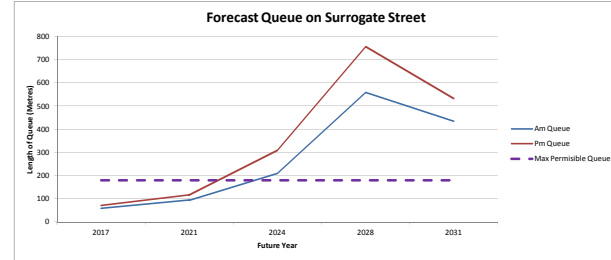
Year	Location	Am			Pm		
		Queue (PCUs)	Delay Per PCU (s)	Deg Sat	Queue (PCUs)	Delay (s)	Deg Sat
2017	Surrogate Street	9.7	3.6	63.10%	11.9	4.8	73.10%
2021	Surrogate Street	15.6	6.7	84.30%	19.4	9.8	92.20%
2024	Surrogate Street	34.9	23.6	102.40%	51.4	40.1	108.20%
2028	Surrogate Street	93	81	120.30%	125.9	114	130.70%
2031	Surrogate Street	72.3	60.5	114.40%	88.8	77.8	120.80%

Year	Location	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Norwich Road	12	4.5	69.60%	12.2	4.7	71.10%
2021	Norwich Road	17.5	7.5	86.40%	21.3	10.6	93.20%
2024	Norwich Road	35.2	23	101.70%	90.8	77.9	117.90%
2028	Norwich Road	106.9	93.8	122.20%	186.1	172.5	143.80%
2031	Norwich Road	139.4	125.9	130.80%	213.1	199.7	152.50%

Year	Location	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Church Street left turn	1.1	0.4	12.90%	1.1	0.5	13.30%
2021	Church Street left turn	1.5	0.6	17.60%	1.6	0.7	18.30%
2024	Church Street left turn	1.5	0.6	16.90%	2.1	0.9	23.70%
2028	Church Street left turn	1.7	0.7	19.50%	2.7	1.1	29.20%
2031	Church Street left turn	2	0.8	22.50%	4.1	1.7	41.00%

Year	Location	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Church Street Ahead and Right	7.8	3.7	70.60%	7.9	3.7	70.50%
2021	Church Street Ahead and Right	12	6.4	87.30%	15.3	9	93.50%
2024	Church Street Ahead and Right	29.4	22.2	104.50%	58.1	51.3	118.00%
2028	Church Street Ahead and Right	63.8	56.9	120.00%	117.4	110.6	140.80%
2031	Church Street Ahead and Right	99.7	93.1	134.80%	161.5	154.5	155.30%

Year	Location	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Besthorpe Road	2	1.1	43.50%	1	0.5	22.60%
2021	Besthorpe Road	2	1.1	43.40%	1	0.5	22.60%
2024	Besthorpe Road	1.7	1	39.00%	1.3	0.7	29.70%
2028	Besthorpe Road	2.7	1.6	56.70%	2.1	1.2	46.80%
2031	Besthorpe Road	4.9	3.2	80.60%	5.7	3.9	85.50%



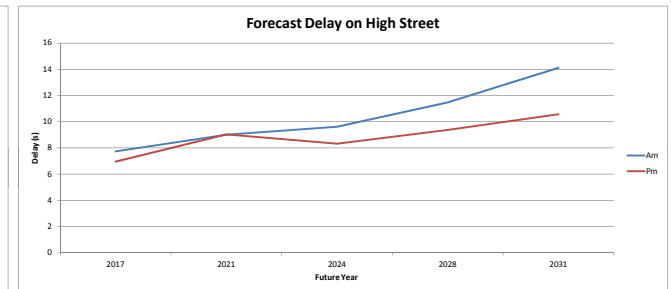
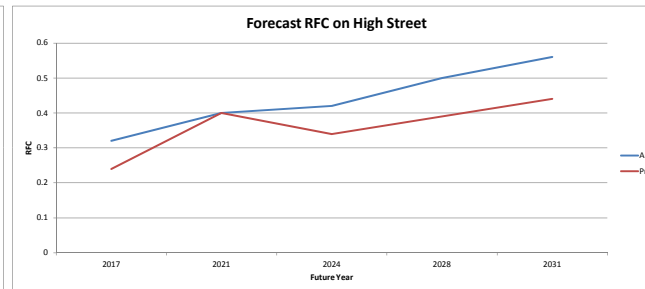
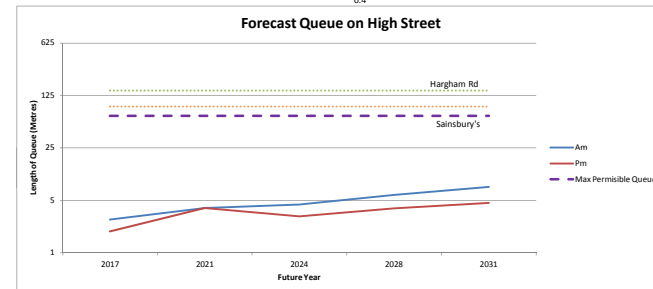
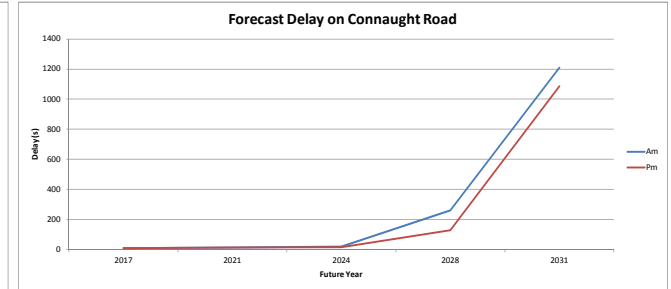
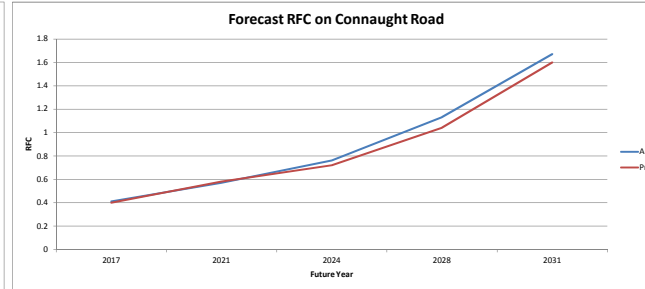
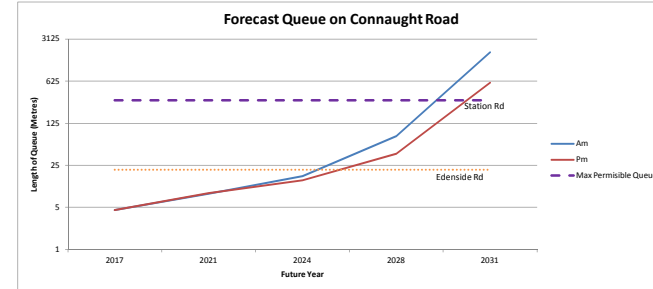
Appendix W, Figure 3, Signalised Junction of Norwich Road / Besthorpe Road / Surrogate Street / Church Street Town Centre Improvements Scenario - Signalised Junctions



Appendix X – Priority Control and Link Road Options 1 & 2

Year	Location	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Connaught Road	0.75	8.73	0.41	0.75	7.96	0.4
2021	Connaught Road	1.4	11.4	0.57	1.44	11.59	0.58
2024	Connaught Road	2.74	18.7	0.76	2.33	14.95	0.72
2028	Connaught Road	12.67	260.23	1.13	6.49	126.99	1.04
2031	Connaught Road	313.99	1210.57	1.67	98.06	1086.23	1.6

Year	Location	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	High Street	0.46	7.74	0.32	0.32	6.95	0.24
2021	High Street	0.66	9	0.4	0.66	9.02	0.4
2024	High Street	0.73	9.61	0.42	0.51	8.33	0.34
2028	High Street	0.98	11.48	0.5	0.65	9.38	0.39
2031	High Street	1.26	14.12	0.56	0.77	10.58	0.44



Appendix X, Figure 1, Priority Junction of Exchanges Street / Connaught Road / High Street
Town Centre Improvements Scenario With Link Road Option 1 / 2 Scenario - Priority Junctions



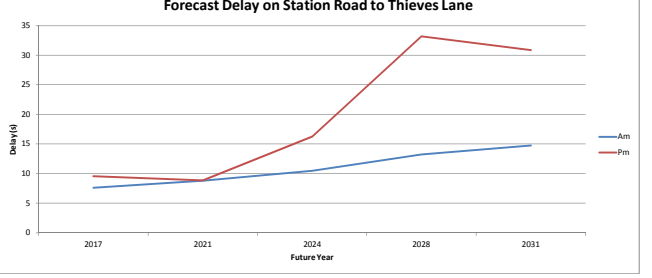
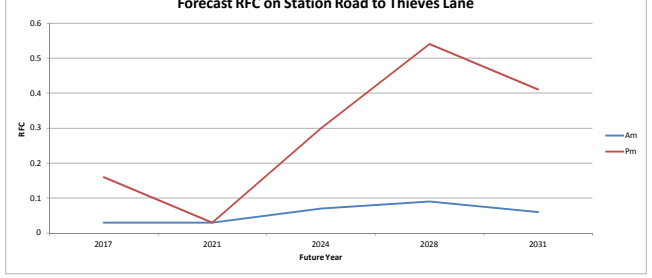
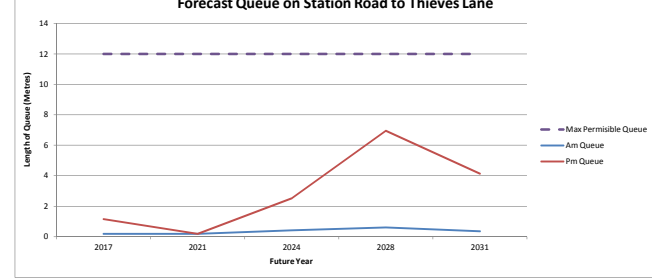
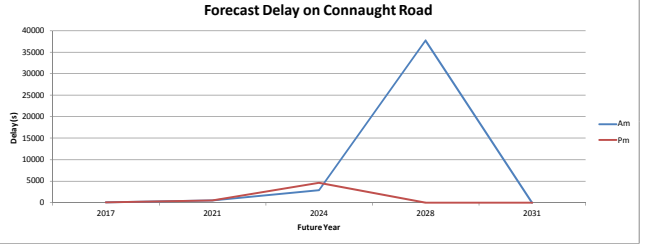
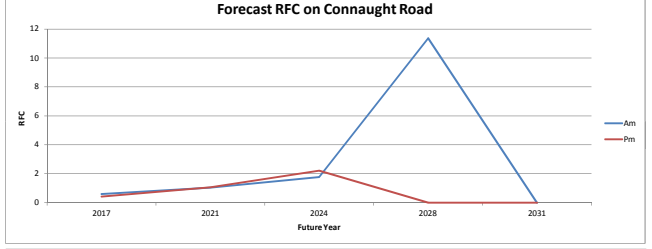
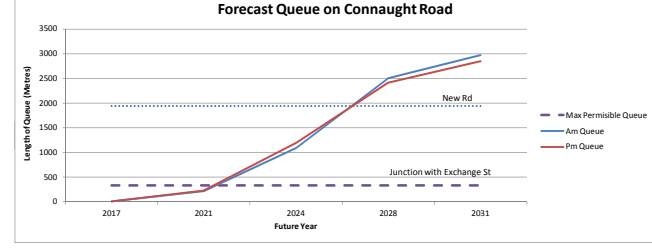
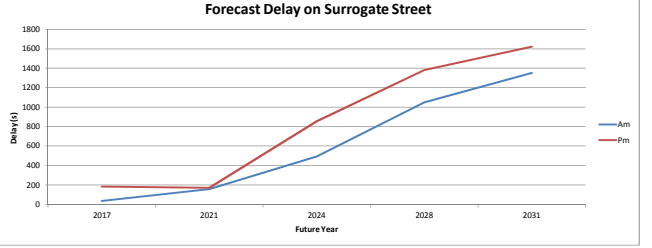
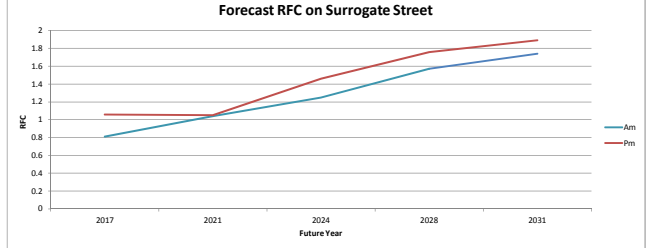
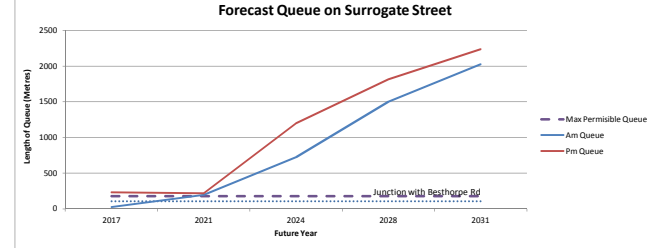
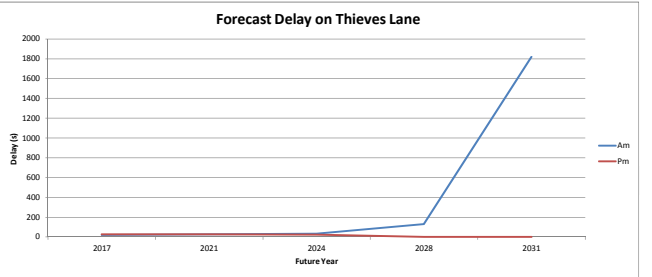
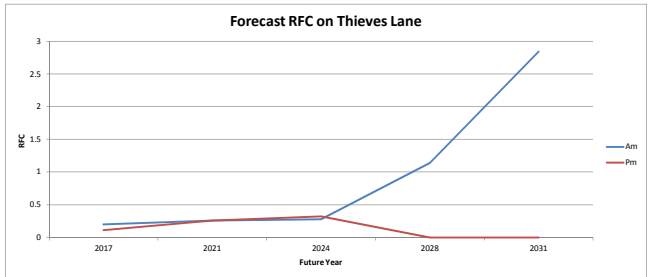
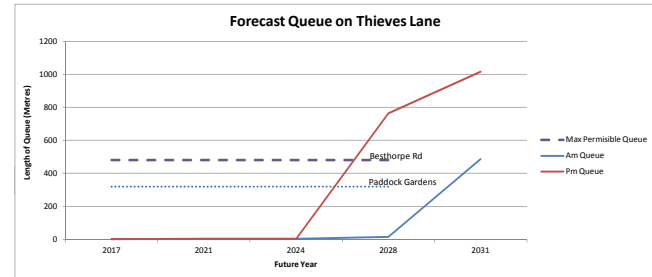
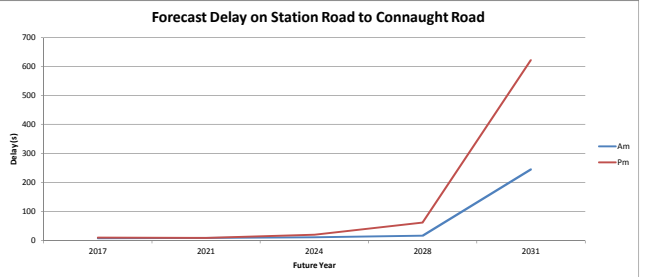
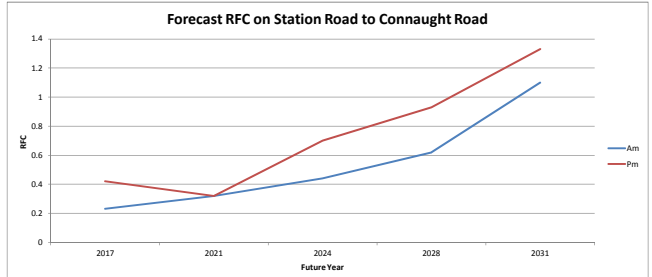
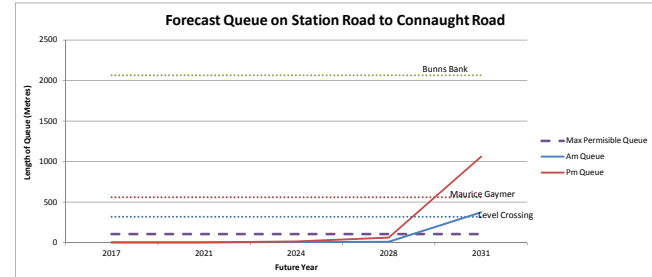
Year	Location	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Station Road to Connaught Rd	0.3	7.08	0.23	0.73	9.82	0.42
2021	Station Road to Connaught Rd	0.47	8.41	0.32	0.48	8.44	0.32
2024	Station Road to Connaught Rd	0.78	10.43	0.44	2.24	19.45	0.7
2028	Station Road to Connaught Rd	1.64	16.43	0.62	10.16	61.96	0.93
2031	Station Road to Connaught Rd	62.43	244.66	1.1	176.92	621.16	1.33

Year	Location	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Thieves Lane	0.32	21.18	0.2	0.21	25.79	0.11
2021	Thieves Lane	0.49	28.27	0.26	0.5	28.41	0.26
2024	Thieves Lane	0.54	35.13	0.28	0.46	23.27	0.32
2028	Thieves Lane	2.6	131.99	1.14	127.3	-	-
2031	Thieves Lane	81.09	1817.54	2.84	169.3	-	-

Year	Location	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Surrogate St to Connaught Rd	3.96	33.98	0.81	38.92	183.64	1.06
2021	Surrogate St to Connaught Rd	32.78	158.4	1.04	36.67	171.71	1.05
2024	Surrogate St to Connaught Rd	120.96	492.62	1.25	200.45	855.36	1.46
2028	Surrogate St to Connaught Rd	250.66	1049.21	1.57	302.81	1382.76	1.76
2031	Surrogate St to Connaught Rd	337.63	1350.56	1.74	372.81	1620.33	1.89

Year	Location	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Connaught Rd Combined Movements	1.65	43.07	0.6	1.42	39.62	0.42
2021	Connaught Rd Combined Movements	35.99	484.55	1.04	38.29	510.03	1.05
2024	Connaught Rd Combined Movements	181.7	2867.79	1.76	199.06	4582.96	2.21
2028	Connaught Rd Combined Movements	417.93	3747.93	11.38	402.1	-	-
2031	Connaught Rd Combined Movements	495.3	-	-	474.7	-	-

Year	Location	Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Station Road to Thieves Lane	0.03	7.6	0.01	0.19	9.55	0.16
2021	Station Road to Thieves Lane	0.03	8.81	0.01	0.03	8.86	0.03
2024	Station Road to Thieves Lane	0.07	10.47	0.07	0.42	16.25	0.3
2028	Station Road to Thieves Lane	0.1	13.23	0.09	1.16	33.21	0.54
2031	Station Road to Thieves Lane	0.06	14.77	0.08	0.69	30.84	0.41



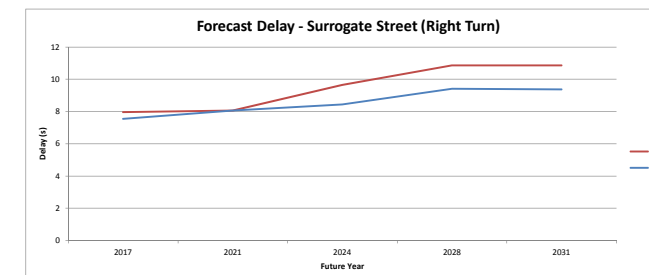
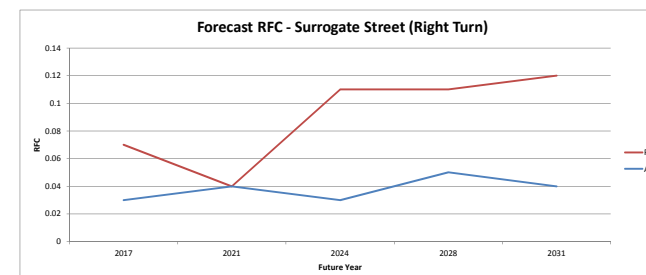
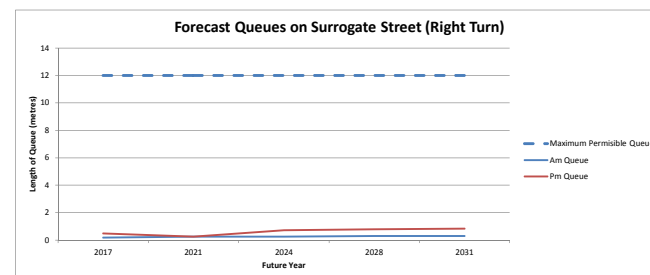
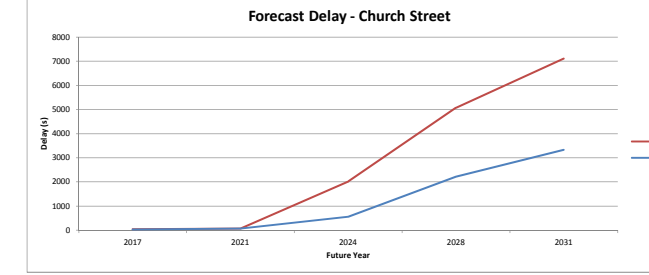
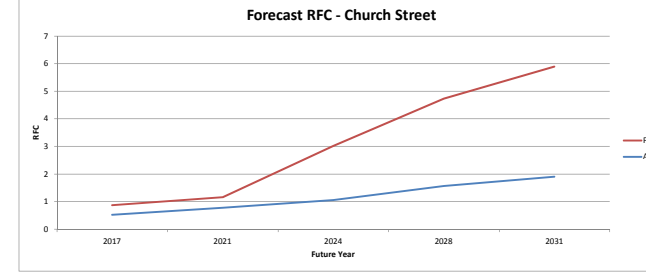
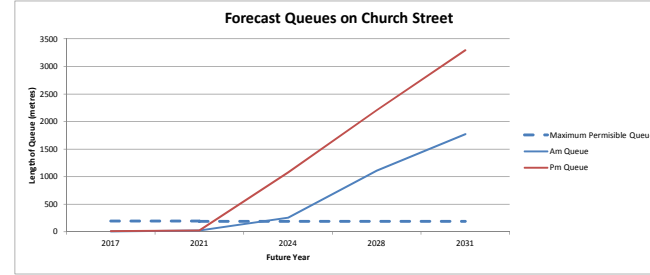
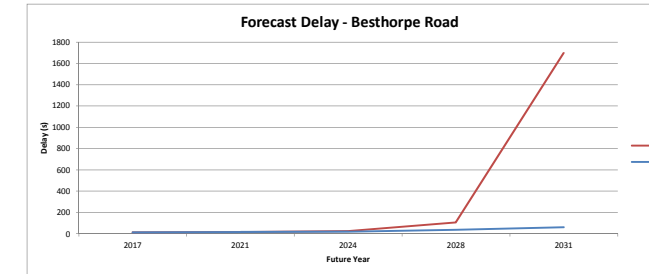
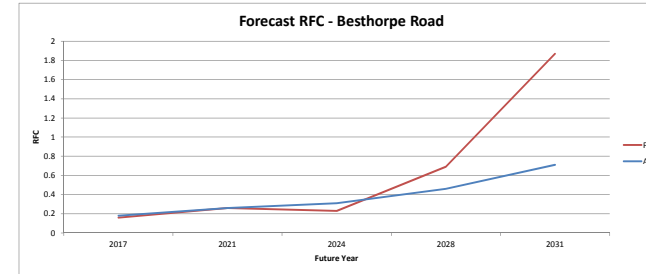
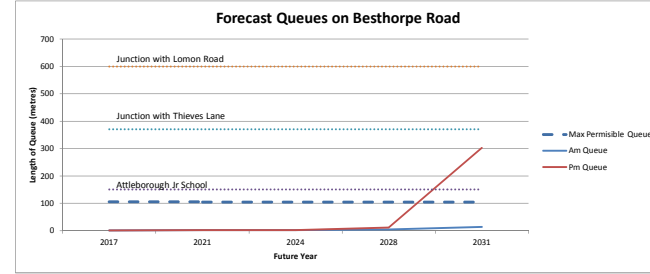
Appendix X, Figure 2, Priority Junction of Surrogate Street / Thieves Lane / Station Road / Connaught Road Town Centre Improvements Scenario With Link Road Option 1 / 2 Scenario - Priority Junctions



		Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Besthorpe Road	0.21	12.63	0.18	0.19	13.47	0.16
2021	Besthorpe Road	0.34	16.94	0.26	0.34	16.86	0.26
2024	Besthorpe Road	0.44	19.2	0.31	0.3	24.06	0.23
2028	Besthorpe Road	0.83	37.23	0.46	2.01	107.29	0.69
2031	Besthorpe Road	2.26	62.3	0.71	50.42	1696.71	1.87

		Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Chruch Street	1.31	30.03	0.52	2.63	44.39	0.87
2021	Chruch Street	3.91	65.24	0.78	4.09	67.56	1.16
2024	Chruch Street	42.61	561.48	1.06	178.96	2022.39	3.02
2028	Chruch Street	185.42	2216.35	1.57	367.87	5072.25	4.74
2031	Chruch Street	295.55	3331.27	1.9	548.91	7108.72	5.9

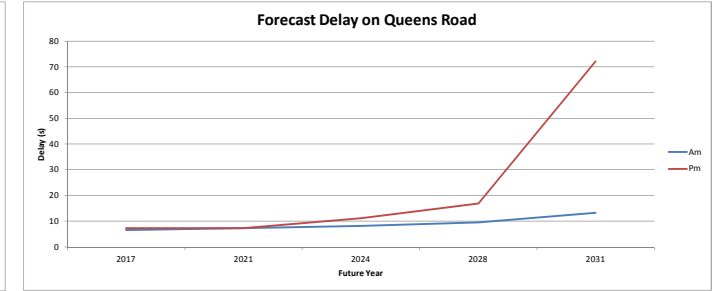
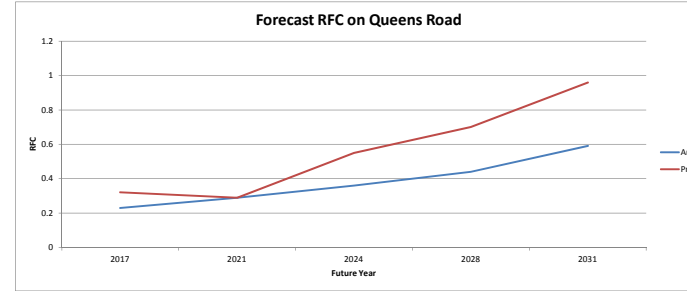
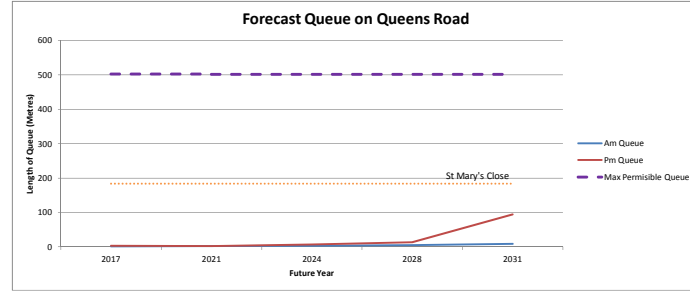
		Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Surrogate Street - Right Turn	0.03	7.55	0.03	0.08	7.96	0.07
2021	Surrogate Street - Right Turn	0.04	8.06	0.04	0.04	8.06	0.04
2024	Surrogate Street - Right Turn	0.04	8.43	0.03	0.12	9.64	0.11
2028	Surrogate Street - Right Turn	0.05	9.4	0.05	0.13	10.86	0.11
2031	Surrogate Street - Right Turn	0.05	9.37	0.04	0.14	10.85	0.12



Appendix X, Figure 3, Priority Junction of Norwich Road / Besthorpe Road / Surrogate Street / Church Street Town Centre Improvements Scenario With Link Road Option 1 / 2 Scenario - Priority Junctions



		Am			Pm		
		Queue (PCUs)	Delay (s)	RFC	Queue (PCUs)	Delay (s)	RFC
2017	Queens Road	0.3	6.57	0.23	0.46	7.26	0.32
2021	Queens Road	0.41	7.3	0.29	0.41	7.3	0.29
2024	Queens Road	0.55	8.15	0.36	1.19	11.15	0.55
2028	Queens Road	0.77	9.52	0.44	2.29	16.92	0.7
2031	Queens Road	1.41	13.31	0.59	15.66	72.05	0.96



Appendix X, Figure 4, Existing Junction Layout of Queens Road / Church Street / Exchange Street
Town Centre Improvements Scenario With Link Road Option 1 / 2 Scenario - Priority Junctions

