

North Yorkshire Sample Sites QUADRO Results Summary													
Base Peak													
Major													
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
1	65	200	23	66766	3263	33800	4432	27597	59	32088	0	-151	
2	112	200	22	34552	1326	20532	616	12597	50	13263	0	-154	
3	80	200	22	23021	1502	12798	1025	8247	44	9315	0	3	
4	71	200	17	13940	886	7645	617	5098	63	5778	0	0	
5	62	200	17	12333	636	6851	381	4677	19	5078	0	0	
6	134	200	17	9576	576	5226	430	3560	36	4027	0	0	
7	29	200	17	7822	500	4136	401	2985	34	3419	0	0	
8	70	200	13	4962	273	2801	139	1832	4	1975	0	0	
9	82	200	13	3226	215	1759	124	1198	6	1328	0	0	
10	48	200	13	1187	80	667	37	420	7	464	0	0	
11	128	100	23	50175	2435	33948	1718	13086	138	14943	0	-115	
12	95	100	22	12053	871	7845	685	2973	79	3737	0	0	
13	22	100	17	6332	410	4197	282	1591	17	1890	0	0	
14	39	100	13	3119	193	2068	137	789	9	936	0	0	
15	79	100	13	1361	102	854	102	351	6	459	0	0	
16	128	50	23	73809	1009	15618	710	59	10843	27469	-95	27374	
17	68	50	22	19533	402	3595	575	31	3375	7373	0	7373	
18	52	50	17	9008	194	1744	153	24	1406	3344	0	3344	
19	60	50	13	5206	98	1128	37	15	667	1893	0	1893	
20	19	50	13	2110	52	446	24	6	282	780	0	780	
21	52	30	17	1967	117	1054	92	743	15	850	0	0	
22	47	10	22	6110	273	3515	189	2199	50	2438	0	0	
23	35	10	17	2533	146	1251	202	1030	5	1236	0	0	
24	61	10	17	1676	85	953	56	606	7	669	0	0	
25	79	10	13	496	32	262	32	184	2	217	0	0	
Average			17	14,915	627	6,988	528	3,676	689	5,799	-	4	1,614
No. of Works				161	161	161	161	161	161	161		161	161
Cost of Congestion	£			2,402,781	101,024	1,125,710	85,038	592,185	110,993	934,182	-	614	259,999

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1	65	200	13	37,737	1,844	19,104	2,505	15,598	33	18,137	-	85	
2	112	200	13	20,417	784	12,132	364	7,443	30	7,837	-	91	
3	80	200	13	13,604	888	7,562	605	4,873	26	5,505	-	2	
4	71	200	17	13,940	886	7,645	617	5,098	63	5,778	-	-	
5	62	200	17	12,333	636	6,851	381	4,677	19	5,078	-	-	
6	134	200	17	9,576	576	5,226	430	3,560	36	4,027	-	-	
7	29	200	17	7,822	500	4,136	401	2,985	34	3,419	-	-	
8	70	200	22	8,397	462	4,741	236	3,100	6	3,342	-	-	
9	82	200	22	5,459	365	2,976	211	2,027	9	2,247	-	-	
10	48	200	23	2,100	141	1,180	66	743	13	821	-	-	
11	128	100	13	28,360	1,376	19,188	971	7,397	78	8,446	-	65	
12	95	100	13	7,122	514	4,635	405	1,757	46	2,208	-	-	
13	22	100	17	6,332	410	4,197	282	1,591	17	1,890	-	-	
14	39	100	22	5,278	327	3,500	233	1,335	16	1,583	-	-	
15	79	100	23	2,408	181	1,511	181	621	10	812	-	-	
16	128	50	13	41,718	570	8,827	401	33	6,129	15,526	54	15,472	
17	68	50	13	11,542	238	2,125	340	19	1,995	4,357	-	4,357	
18	52	50	17	9,008	194	1,744	153	24	1,406	3,344	-	3,344	
19	60	50	22	8,809	167	1,908	63	25	1,129	3,204	-	3,204	
20	19	50	23	3,733	92	789	43	10	499	1,380	-	1,380	
21	52	30	17	1,967	117	1,054	92	743	15	850	-	-	
22	47	10	13	3,610	162	2,077	111	1,299	30	1,440	-	-	
23	35	10	17	2,533	146	1,251	202	1,030	5	1,236	-	-	
24	61	10	17	1,676	85	953	56	606	7	669	-	-	
25	79	10	22	839	53	443	53	311	3	368	-	-	
Average			17	10,653	469	5,030	376	2,676	466	4,140	-	2	1,101
No. of Works				161	161	161	161	161	161	161		161	161
Cost of Congestion			£	1,716,168	75,482	810,372	60,578	431,142	75,106	666,982	-	347	177,323

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1	30	200	15	108332	5666	57534	6651	41597	388	48636	0	-9
2	78	200	12	16008	989	9430	526	5246	195	5967	0	2
3	89	200	9	9812	507	5133	545	3894	22	4461	0	1
4	6	200	9	5813	379	3273	192	2067	31	2290	0	0
5	61	200	9	5403	279	3075	181	1955	26	2162	0	0
6	100	200	5	1720	119	956	67	618	0	685	0	0
7	113	200	4	1025	54	571	29	387	2	418	0	0
8	111	100	15	30754	1749	19517	2186	8451	96	10734	0	-105
9	93	100	12	6662	394	4478	233	1683	12	1928	0	0
10	86	100	9	3304	253	2166	162	810	10	982	0	0
11	124	100	9	2340	171	1439	203	625	5	833	0	0
12	44	100	5	1000	78	644	59	251	2	311	0	0
13	82	100	4	426	34	280	20	103	1	124	0	0
14	111	50	15	45898	744	9086	921	43	7412	17241	-81	17160
15	95	50	12	11139	242	2187	190	22	1689	4118	0	4118
16	22	50	9	5613	111	1134	76	5	831	2075	0	2075
17	137	50	5	1787	43	353	21	1	258	654	0	654
18	79	50	4	703	16	134	16	1	111	261	0	261
19	52	30	9	1041	62	558	49	393	8	450	0	0
20	88	10	15	10881	394	6560	223	3826	62	4111	0	-32
21	99	10	15	6469	272	3783	180	2325	32	2537	0	-11
22	81	10	15	4324	261	2331	287	1586	4	1877	0	0
23	24	10	15	4166	255	2466	105	1382	39	1526	0	0
24	54	10	15	3658	197	1813	257	1506	15	1779	0	0
25	112	10	12	2777	139	1627	62	985	5	1052	0	0
26	67	10	12	2191	129	1183	111	816	15	943	0	0
27	131	10	12	2119	125	1142	113	789	14	915	0	0
28	123	10	12	2339	123	1325	93	839	12	944	0	0
29	35	10	12	1788	103	883	142	727	3	873	0	0
30	106	10	9	1216	75	643	72	462	4	537	0	0
31	7	10	9	1271	69	736	32	449	6	488	0	0
32	52	10	9	1041	62	558	49	393	8	450	0	0
33	62	10	9	1075	54	597	33	409	1	444	0	0
34	1	10	9	845	50	489	26	289	8	323	0	0
35	110	10	5	547	27	303	21	206	1	228	0	0
36	104	10	5	426	24	206	32	179	2	213	0	0
37	32	10	5	345	23	190	11	128	0	139	0	0
38	44	10	5	366	24	198	18	136	1	154	0	0
39	87	10	5	362	19	214	10	122	3	135	0	0
40	100	10	4	219	15	122	9	78	0	87	0	0
41	18	10	4	192	11	99	14	74	0	87	0	0
42	50	10	4	180	11	89	12	74	1	86	0	0

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1	30	200	4	28,889	1,511	15,342	1,774	11,093	103	12,970	-	2
2	78	200	5	6,670	412	3,929	219	2,186	81	2,486	-	1
3	89	200	9	9,812	507	5,133	545	3,894	22	4,461	-	1
4	6	200	9	5,813	379	3,273	192	2,067	31	2,290	-	-
5	61	200	9	5,403	279	3,075	181	1,955	26	2,162	-	-
6	100	200	12	4,128	285	2,295	161	1,483	-	1,644	-	-
7	113	200	15	3,843	201	2,142	109	1,453	6	1,569	-	-
8	111	100	4	8,201	466	5,205	583	2,254	26	2,862	-	28
9	93	100	5	2,776	164	1,866	97	701	5	803	-	-
10	86	100	9	3,304	253	2,166	162	810	10	982	-	-
11	124	100	9	2,340	171	1,439	203	625	5	833	-	-
12	44	100	12	2,400	187	1,545	141	602	5	747	-	-
13	82	100	15	1,599	129	1,050	75	386	4	465	-	-
14	111	50	4	12,239	198	2,423	246	11	1,977	4,598	22	4,576
15	95	50	5	4,641	101	911	79	9	704	1,716	-	1,716
16	22	50	9	5,613	111	1,134	76	5	831	2,075	-	2,075
17	137	50	12	4,289	103	847	50	2	619	1,569	-	1,569
18	79	50	15	2,638	60	501	60	4	418	979	-	979
19	52	30	9	1,041	62	558	49	393	8	450	-	-
20	88	10	4	2,902	105	1,749	59	1,020	17	1,096	-	9
21	99	10	4	1,725	73	1,009	48	620	9	676	-	3
22	81	10	4	1,153	70	622	77	423	1	501	-	-
23	24	10	4	1,111	68	658	28	369	10	407	-	-
24	54	10	5	1,219	66	604	86	502	5	593	-	-
25	112	10	5	1,157	58	678	26	411	2	438	-	-
26	67	10	5	913	54	493	46	340	6	393	-	-
27	131	10	5	883	52	476	47	329	6	381	-	-
28	123	10	5	975	51	552	39	350	5	393	-	-
29	35	10	9	1,341	77	662	107	545	3	654	-	-
30	106	10	9	1,216	75	643	72	462	4	537	-	-
31	7	10	9	1,271	69	736	32	449	6	488	-	-
32	52	10	9	1,041	62	558	49	393	8	450	-	-
33	62	10	9	1,075	54	597	33	409	1	444	-	-
34	1	10	12	1,126	67	651	34	386	10	430	-	-
35	110	10	12	1,313	65	728	50	494	3	547	-	-
36	104	10	12	1,023	57	495	77	429	5	511	-	-
37	32	10	12	828	55	456	26	307	-	333	-	-
38	44	10	12	879	57	475	43	326	2	370	-	-
39	87	10	15	1,085	58	643	30	365	9	404	-	-
40	100	10	15	821	56	456	32	294	-	326	-	-
41	18	10	15	720	43	373	51	276	-	328	-	-
42	50	10	15	675	41	332	45	276	2	324	-	-

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43	26	10	4	149	10	85	6	50	1	57	0	0	
Average			9	7,156	334	3,479	331	2,000	264	2,891	-	2	561
No. of Works				277	277	277	277	277	277	277	277	277	277
Cost of Congestion			£	1,983,767	92,574	964,338	91,828	554,278	73,083	801,395	-	525	155,454

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Base Peak													
Standard													
Sample	Ref	Length	0	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
43	26	10	15	557	39	319	21	186	4	212	-	-	
Average			9	3,317	164	1,623	143	928	116	1,323	-	1	253
No. of Works				277	277	277	277	277	277	277		277	277
Cost of Congestion			£	919,589	45,429	449,973	39,711	257,164	32,226	366,791	-	140	70,107

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Minor with Excavation												
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1	34	100	4	2497	167	1481	270	706	5	981	0	0
2	22	100	3	1117	72	741	50	281	3	334	0	0
3	64	100	2	266	21	173	16	65	1	82	0	0
4	75	50	4	17959	268	3762	173	25	2668	6697	-5	6693
5	33	50	4	5013	97	1022	64	1	733	1852	0	1852
6	73	50	3	2191	49	422	45	1	340	811	0	811
7	2	50	3	1526	37	313	16	1	202	552	0	552
8	110	50	2	992	18	200	14	1	151	369	0	369
9	87	50	2	663	13	141	7	2	88	242	0	242
10	26	50	2	346	8	71	5	1	47	125	0	125
11	40	10	4	6489	268	3631	226	2476	25	2727	0	-5
12	75	10	4	3592	141	2069	90	1340	13	1443	0	-5
13	88	10	4	2902	105	1749	59	1020	17	1096	0	-9
14	30	10	4	4506	237	2403	265	1729	16	2010	0	-1
15	43	10	4	1825	103	1070	47	639	2	688	0	-5
16	111	10	4	2155	95	1189	113	825	5	943	0	-12
17	21	10	4	2147	111	1214	81	785	9	875	0	-5
18	99	10	4	1725	73	1009	48	620	9	676	0	-3
19	128	10	4	2294	82	1344	57	850	5	912	0	-10
20	11	10	4	1181	71	667	42	421	5	468	0	0
21	46	10	4	1885	24	1055	66	809	2	877	0	-38
22	65	10	4	1158	66	593	77	460	1	538	0	0
23	81	10	4	1153	70	622	77	423	1	501	0	0
24	47	10	4	1111	50	639	34	400	9	443	0	0
25	16	10	4	1194	59	636	69	462	3	534	0	0
26	117	10	4	915	46	540	21	319	2	342	0	0
27	34	10	4	950	51	457	83	396	2	481	0	0
28	24	10	4	1111	68	658	28	369	10	407	0	0
29	132	10	4	1031	67	615	31	333	6	370	0	0
30	119	10	4	994	56	498	70	403	2	475	0	0
31	33	10	4	1099	59	619	39	404	1	444	0	0
32	120	10	4	1000	62	567	38	351	5	393	0	0
33	54	10	4	975	53	483	69	402	4	474	0	0
34	49	10	4	1015	51	593	26	353	11	390	0	0
35	78	10	4	862	53	508	28	283	10	321	0	0
36	76	10	4	1013	51	553	53	381	3	437	0	0
37	10	10	4	815	35	376	92	351	3	446	0	0
38	112	10	4	926	46	542	21	328	2	351	0	0
39	129	10	4	835	52	468	34	297	4	335	0	0
40	107	10	4	951	47	547	29	341	6	376	0	0
41	95	10	3	606	36	331	29	223	3	255	0	0
42	68	10	3	585	33	297	47	229	3	279	0	0

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1	34	100	2	1,249	83	740	135	353	3	491	-	-	
2	22	100	3	1,117	72	741	50	281	3	334	-	-	
3	64	100	4	533	41	345	32	130	2	165	-	-	
4	75	50	2	8,979	134	1,881	86	13	1,334	3,349	-	2	3,346
5	33	50	2	2,507	49	511	32	1	367	926	-	-	926
6	73	50	2	1,461	33	281	30	1	227	541	-	-	541
7	2	50	3	1,526	37	313	16	1	202	552	-	-	552
8	110	50	3	1,488	27	300	21	2	227	554	-	-	554
9	87	50	4	1,325	25	283	13	3	176	484	-	-	484
10	26	50	4	693	17	141	10	2	93	251	-	-	251
11	40	10	1	1,622	67	908	57	619	6	682	-	-	1
12	75	10	1	898	35	517	22	335	3	361	-	-	1
13	88	10	1	725	26	437	15	255	4	274	-	-	2
14	30	10	1	1,127	59	601	66	432	4	502	-	-	0
15	43	10	1	456	26	268	12	160	0	172	-	-	1
16	111	10	1	539	24	297	28	206	1	236	-	-	3
17	21	10	1	537	28	303	20	196	2	219	-	-	1
18	99	10	1	431	18	252	12	155	2	169	-	-	1
19	128	10	1	574	21	336	14	213	1	228	-	-	3
20	11	10	1	295	18	167	10	105	1	117	-	-	-
21	46	10	1	471	6	264	17	202	1	219	-	-	10
22	65	10	1	290	17	148	19	115	0	134	-	-	-
23	81	10	1	288	17	155	19	106	0	125	-	-	-
24	47	10	1	278	12	160	9	100	2	111	-	-	-
25	16	10	1	298	15	159	17	116	1	133	-	-	-
26	117	10	1	229	12	135	5	80	1	85	-	-	-
27	34	10	1	237	13	114	21	99	0	120	-	-	-
28	24	10	1	278	17	164	7	92	3	102	-	-	-
29	132	10	1	258	17	154	8	83	1	93	-	-	-
30	119	10	1	248	14	124	18	101	0	119	-	-	-
31	33	10	1	275	15	155	10	101	0	111	-	-	-
32	120	10	1	250	16	142	9	88	1	98	-	-	-
33	54	10	1	244	13	121	17	100	1	119	-	-	-
34	49	10	2	507	25	297	13	177	5	195	-	-	-
35	78	10	2	431	26	254	14	141	5	161	-	-	-
36	76	10	2	507	26	276	26	191	2	219	-	-	-
37	10	10	2	407	17	188	46	176	1	223	-	-	-
38	112	10	2	463	23	271	10	164	1	175	-	-	-
39	129	10	2	417	26	234	17	149	2	167	-	-	-
40	107	10	2	475	23	273	15	170	3	188	-	-	-
41	95	10	2	404	24	221	19	149	2	170	-	-	-
42	68	10	2	390	22	198	31	153	2	186	-	-	-

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43	67	10	3	548	32	296	28	204	4	236	0	0
44	93	10	3	589	30	350	18	200	1	219	0	0
45	23	10	3	602	30	351	17	212	2	232	0	0
46	97	10	3	644	34	380	14	224	2	240	0	0
47	85	10	3	572	28	345	12	192	5	209	0	0
48	131	10	3	530	31	285	28	197	3	229	0	0
49	80	10	3	506	33	281	22	181	1	204	0	0
50	73	10	3	477	30	255	28	178	0	206	0	0
51	90	10	3	470	28	235	43	184	0	228	0	0
52	136	10	3	498	29	260	30	193	2	225	0	0
53	123	10	3	585	31	331	23	210	3	236	0	0
54	108	10	3	467	30	266	13	165	3	181	0	0
55	89	10	3	528	27	276	29	210	1	240	0	0
56	59	10	3	520	26	293	20	191	1	211	0	0
57	41	10	3	466	28	252	24	173	3	199	0	0
58	35	10	3	447	26	221	36	182	1	218	0	0
59	86	10	3	405	26	223	16	148	1	166	0	0
60	91	10	3	409	24	210	27	160	1	188	0	0
61	122	10	3	490	26	299	10	159	3	172	0	0
62	13	10	3	443	20	254	12	160	6	178	0	0
63	106	10	3	405	25	214	24	154	1	179	0	0
64	126	10	3	398	24	207	23	156	2	180	0	0
65	45	10	3	446	22	250	16	166	1	183	0	0
66	71	10	3	394	25	216	17	144	2	163	0	0
67	103	10	3	375	24	203	20	138	1	159	0	0
68	7	10	3	424	23	245	11	150	2	163	0	0
69	36	10	3	348	21	179	24	135	1	161	0	0
70	118	10	3	352	21	182	21	138	2	160	0	0
71	2	10	2	218	15	126	7	75	1	82	0	0
72	22	10	0	0	0	0	0	0	0	0	0	0
73	52	10	2	231	14	124	11	87	2	100	0	0
74	77	10	2	207	12	101	18	85	0	103	0	0
75	6	10	2	207	13	116	7	74	1	82	0	0
76	116	10	2	256	12	132	11	107	0	119	0	0
77	37	10	2	195	12	116	6	64	1	71	0	0
78	62	10	2	239	12	133	7	91	0	99	0	0
79	56	10	2	198	12	104	14	74	0	89	0	0
80	125	10	2	201	13	107	10	76	1	87	0	0
81	124	10	2	197	12	99	14	79	0	93	0	0
82	98	10	2	195	12	107	12	69	1	82	0	0
83	1	10	2	188	11	109	6	64	2	72	0	0
84	121	10	2	193	11	97	14	77	0	92	0	0

North Yorkshire Sample Sites QUADRO Results Summary													
Base Peak													
Minor with Excavation													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
43	67	10	2	365	21	197	19	136	3	157	-	-	
44	93	10	2	393	20	233	12	133	1	146	-	-	
45	23	10	2	401	20	234	11	142	1	154	-	-	
46	97	10	2	429	23	253	9	149	1	160	-	-	
47	85	10	2	381	19	230	8	128	3	139	-	-	
48	131	10	2	353	21	190	19	131	2	153	-	-	
49	80	10	2	337	22	187	15	121	1	136	-	-	
50	73	10	2	318	20	170	19	119	0	137	-	-	
51	90	10	2	313	19	157	29	123	-	152	-	-	
52	136	10	2	332	19	173	20	129	1	150	-	-	
53	123	10	2	390	21	221	15	140	2	157	-	-	
54	108	10	2	311	20	177	9	110	2	121	-	-	
55	89	10	2	352	18	184	19	140	1	160	-	-	
56	59	10	2	346	17	195	13	127	1	141	-	-	
57	41	10	2	311	19	168	16	115	2	133	-	-	
58	35	10	2	298	17	147	24	121	1	145	-	-	
59	86	10	2	270	17	149	11	99	1	111	-	-	
60	91	10	2	273	16	140	18	107	1	125	-	-	
61	122	10	2	326	17	200	7	106	2	115	-	-	
62	13	10	2	295	13	169	8	107	4	119	-	-	
63	106	10	2	270	17	143	16	103	1	119	-	-	
64	126	10	2	265	16	138	15	104	1	120	-	-	
65	45	10	2	297	15	167	11	111	1	122	-	-	
66	71	10	2	263	17	144	11	96	1	109	-	-	
67	103	10	2	250	16	135	13	92	1	106	-	-	
68	7	10	2	282	15	164	7	100	1	108	-	-	
69	36	10	2	232	14	119	16	90	1	107	-	-	
70	118	10	2	235	14	121	14	92	1	107	-	-	
71	2	10	2	218	15	126	7	75	1	82	-	-	
72	22	10	2	273	15	152	10	101	1	112	-	-	
73	52	10	2	231	14	124	11	87	2	100	-	-	
74	77	10	2	207	12	101	18	85	0	103	-	-	
75	6	10	2	207	13	116	7	74	1	82	-	-	
76	116	10	2	256	12	132	11	107	0	119	-	-	
77	37	10	2	195	12	116	6	64	1	71	-	-	
78	62	10	3	358	18	199	11	136	0	148	-	-	
79	56	10	3	297	18	156	21	111	0	133	-	-	
80	125	10	3	301	19	160	15	114	1	130	-	-	
81	124	10	3	295	18	148	21	119	0	140	-	-	
82	98	10	3	292	18	160	18	104	2	123	-	-	
83	1	10	3	282	17	163	9	96	3	108	-	-	
84	121	10	3	290	17	146	21	116	0	138	-	-	

North Yorkshire Sample Sites QUADRO Results Summary												
Base Peak												
Minor with Excavation												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
85	72	10	2	183	12	103	10	63	1	74	0	0
86	5	10	2	187	13	106	9	64	0	74	0	0
87	51	10	2	221	12	134	4	73	1	79	0	0
88	110	10	2	219	11	121	8	82	1	91	0	0
89	102	10	2	185	12	104	8	65	1	74	0	0
90	74	10	2	183	11	95	9	72	1	83	0	0
91	105	10	2	177	11	89	13	71	0	84	0	0
92	61	10	2	197	10	112	7	71	1	79	0	0
93	104	10	2	171	9	83	13	71	1	85	0	0
94	17	10	2	201	11	114	6	73	1	80	0	0
95	27	10	2	153	10	85	6	55	1	62	0	0
96	130	10	2	158	10	88	7	57	1	65	0	0
97	39	10	2	174	9	99	7	63	0	70	0	0
98	32	10	2	138	9	76	4	51	0	55	0	0
99	137	10	2	155	10	85	5	57	0	63	0	0
100	60	10	2	175	9	105	4	58	1	63	0	0
101	4	10	2	159	10	93	5	52	2	59	0	0
102	29	10	2	147	9	78	7	56	1	64	0	0
103	44	10	2	147	9	79	7	54	0	62	0	0
104	38	10	2	145	9	76	10	54	0	65	0	0
105	113	10	2	159	8	89	5	60	0	65	0	0
106	127	10	2	132	9	77	4	43	1	49	0	0
107	83	10	2	116	6	47	21	52	0	73	0	0
108	87	10	2	145	8	86	4	49	1	54	0	0
109	28	10	2	148	8	79	9	56	0	66	0	0
110	101	10	2	103	7	56	4	39	0	43	0	0
111	96	10	2	119	6	73	3	38	1	41	0	0
112	55	10	2	111	5	47	13	50	1	64	0	0
113	100	10	2	109	7	61	4	39	0	43	0	0
114	133	10	2	126	7	70	5	48	0	53	0	0
115	70	10	1	62	3	35	2	23	0	25	0	0
116	20	10	1	50	3	23	5	21	0	26	0	0
117	64	10	1	52	3	27	2	21	0	23	0	0
118	18	10	1	48	3	25	3	18	0	22	0	0
119	25	10	1	49	3	28	1	17	0	18	0	0
120	92	10	1	53	3	32	1	17	0	18	0	0
121	31	10	1	45	3	24	3	16	0	19	0	0
122	42	10	1	44	3	23	3	17	0	20	0	0
123	50	10	1	45	3	22	3	18	0	22	0	0
124	135	10	1	41	2	21	3	16	0	19	0	0
125	82	10	1	40	3	22	2	15	0	16	0	0
126	79	10	1	38	2	20	2	14	0	17	0	0

North Yorkshire Sample Sites QUADRO Results Summary													
Base Peak													
Minor with Excavation													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
85	72	10	3	275	18	154	15	95	1	111	-	-	
86	5	10	3	281	19	159	14	96	0	111	-	-	
87	51	10	3	332	18	201	6	110	2	118	-	-	
88	110	10	3	328	16	182	12	123	1	137	-	-	
89	102	10	3	278	18	156	12	98	1	111	-	-	
90	74	10	3	275	16	143	14	108	2	124	-	-	
91	105	10	3	265	16	133	19	106	0	126	-	-	
92	61	10	3	296	15	168	10	107	1	118	-	-	
93	104	10	3	256	14	124	19	107	1	128	-	-	
94	17	10	3	302	16	171	9	110	2	120	-	-	
95	27	10	3	230	15	128	9	82	2	93	-	-	
96	130	10	3	237	15	132	10	85	2	97	-	-	
97	39	10	3	262	14	149	10	94	0	104	-	-	
98	32	10	3	207	14	114	6	77	-	83	-	-	
99	137	10	3	233	15	128	8	86	-	94	-	-	
100	60	10	3	262	14	158	6	86	2	94	-	-	
101	4	10	3	239	15	140	8	78	3	89	-	-	
102	29	10	3	221	14	117	11	84	1	96	-	-	
103	44	10	3	220	14	119	11	81	0	93	-	-	
104	38	10	3	218	14	114	15	81	0	97	-	-	
105	113	10	3	239	12	133	7	90	0	97	-	-	
106	127	10	3	198	13	116	6	65	2	73	-	-	
107	83	10	3	174	9	70	31	78	0	109	-	-	
108	87	10	4	289	15	171	8	97	2	108	-	-	
109	28	10	4	295	16	157	19	112	-	131	-	-	
110	101	10	4	206	13	111	7	78	1	86	-	-	
111	96	10	4	238	13	146	5	76	2	83	-	-	
112	55	10	4	222	11	95	27	100	1	128	-	-	
113	100	10	4	219	15	122	9	78	-	87	-	-	
114	133	10	4	253	13	140	9	95	1	105	-	-	
115	70	10	4	250	14	141	7	93	-	99	-	-	
116	20	10	4	199	11	92	20	85	1	105	-	-	
117	64	10	4	206	13	106	10	82	1	93	-	-	
118	18	10	4	192	11	99	14	74	-	87	-	-	
119	25	10	4	197	14	114	6	66	1	73	-	-	
120	92	10	4	210	13	128	5	68	1	74	-	-	
121	31	10	4	179	11	97	10	65	1	76	-	-	
122	42	10	4	177	11	93	10	67	1	78	-	-	
123	50	10	4	180	11	89	12	74	1	86	-	-	
124	135	10	4	165	9	84	11	66	1	78	-	-	
125	82	10	4	159	10	86	6	59	1	66	-	-	
126	79	10	4	153	10	81	10	57	1	67	-	-	

North Yorkshire Sample Sites QUADRO Results Summary													
Base Peak													
Minor with Excavation													
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
127	19	10	1	35	2	21	1	12	0	13	0	0	
128	26	10	1	37	3	21	1	12	0	14	0	0	
129	66	10	1	36	2	21	1	12	0	14	0	0	
130	63	10	1	35	2	20	1	12	0	13	0	0	
131	9	10	1	34	2	19	1	12	0	13	0	0	
132	3	10	1	33	2	17	2	13	0	15	0	0	
133	84	10	1	23	1	14	1	7	1	9	0	0	
134	134	10	1	22	0	13	0	9	0	9	0	0	
135	114	10	1	17	1	9	1	7	0	7	0	0	
136	115	10	1	19	1	10	1	7	0	9	0	0	
137	14	10	1	23	1	13	1	9	0	9	0	0	
Average		3		768	32	356	27	205	33	310	-	0	77
No. of Works				886	886	886	886	886	886	886		886	886
Cost of Congestion				680,419	28,543	315,360	24,242	181,612	29,258	274,313	-	30	68,219

North Yorkshire Sample Sites QUADRO Results Summary													
Base Peak													
Minor with Excavation													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
127	19	10	4	142	10	83	5	46	1	52	-	-	
128	26	10	4	149	10	85	6	50	1	57	-	-	
129	66	10	4	145	10	83	6	49	1	55	-	-	
130	63	10	4	139	10	80	4	47	-	51	-	-	
131	9	10	4	134	9	75	5	47	1	53	-	-	
132	3	10	4	132	8	67	7	53	1	60	-	-	
133	84	10	4	93	5	55	3	29	2	35	-	-	
134	134	10	4	87	-	51	1	35	-	35	-	-	
135	114	10	4	69	4	38	2	26	-	28	-	-	
136	115	10	4	75	5	38	5	30	-	34	-	-	
137	14	10	4	94	5	52	3	34	1	38	-	-	
Average				3	434	19	196	16	110	20	174	-	48
No. of Works					886	886	886	886	886	886	886	886	886
Cost of Congestion				£	383,955	16,849	173,256	13,926	97,209	18,053	153,753	-	15

North Yorkshire Sample Sites QUADRO Results Summary												
Base Peak												
Urgent												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
1	40	10	7	11355	469	6354	396	4333	43	4772	0	-8
2	75	10	7	6285	247	3620	157	2345	23	2525	0	-8
3	88	10	7	5078	184	3061	104	1786	29	1919	0	-15
4	30	10	7	7886	414	4206	463	3026	28	3517	0	-2
5	43	10	7	3194	181	1873	83	1118	3	1204	0	-8
6	111	10	7	3772	167	2080	198	1443	9	1650	0	-21
7	21	10	7	3757	195	2124	142	1374	16	1532	0	-8
8	99	10	7	3019	127	1765	84	1085	15	1184	0	-5
9	128	10	7	4015	144	2352	99	1488	9	1596	0	-18
10	11	10	7	2066	125	1167	73	737	9	819	0	0
11	46	10	7	3299	42	1847	116	1415	4	1535	0	-67
12	65	10	7	2027	116	1038	134	805	2	941	0	0
13	81	10	7	2018	122	1088	134	740	2	876	0	0
14	47	10	7	1944	87	1118	60	700	16	776	0	0
15	16	10	7	2089	103	1114	120	809	5	934	0	0
16	117	10	7	1601	81	946	36	558	4	598	0	0
17	34	10	7	1662	90	800	146	693	3	842	0	0
18	24	10	7	1944	119	1151	49	645	18	712	0	0
19	132	10	7	1805	117	1077	55	583	10	648	0	0
20	119	10	7	1739	98	871	123	706	3	832	0	0
21	33	10	7	1923	103	1082	68	707	2	777	0	0
22	120	10	7	1750	109	993	66	614	8	688	0	0
23	54	10	7	1707	92	846	120	703	7	830	0	0
24	49	10	7	1776	89	1038	46	618	19	683	0	0
25	78	10	7	1508	92	889	49	495	18	562	0	0
26	76	10	7	1773	90	967	92	667	6	765	0	0
27	10	10	7	1426	61	659	161	614	5	780	0	0
28	112	10	7	1620	81	949	36	575	3	614	0	0
29	129	10	7	1461	91	819	59	520	7	586	0	0
30	107	10	7	1664	82	956	51	596	11	658	0	0
31	95	10	6	1415	85	772	67	521	8	596	0	0
32	68	10	6	1365	77	693	110	534	6	650	0	0
33	67	10	6	1095	64	591	56	408	8	471	0	0
34	93	10	6	1178	61	700	36	400	2	438	0	0
35	23	10	6	1203	60	701	34	425	4	463	0	0
36	97	10	6	1287	69	759	27	447	4	479	0	0
37	85	10	6	1144	56	689	24	384	9	417	0	0
38	131	10	6	1059	63	571	57	394	7	458	0	0
39	80	10	6	1011	65	562	45	363	2	409	0	0
40	73	10	6	954	60	511	56	356	1	412	0	0
41	90	10	6	940	56	471	87	369	0	455	0	0
42	136	10	6	997	58	520	61	386	4	451	0	0

North Yorkshire Sample Sites QUADRO Results Summary												
Base Peak												
Urgent												
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
1	40	10	3	4,867	201	2,723	170	1,857	18	2,045	-	3
2	75	10	3	2,694	106	1,552	67	1,005	10	1,082	-	3
3	88	10	3	2,176	79	1,312	45	765	12	822	-	6
4	30	10	3	3,380	177	1,803	198	1,297	12	1,507	-	1
5	43	10	3	1,369	78	803	36	479	1	516	-	3
6	111	10	3	1,617	72	891	85	618	4	707	-	9
7	21	10	4	2,147	111	1,214	81	785	9	875	-	5
8	99	10	4	1,725	73	1,009	48	620	9	676	-	3
9	128	10	4	2,294	82	1,344	57	850	5	912	-	10
10	11	10	4	1,181	71	667	42	421	5	468	-	-
11	46	10	4	1,885	24	1,055	66	809	2	877	-	38
12	65	10	4	1,158	66	593	77	460	1	538	-	-
13	81	10	4	1,153	70	622	77	423	1	501	-	-
14	47	10	4	1,111	50	639	34	400	9	443	-	-
15	16	10	4	1,194	59	636	69	462	3	534	-	-
16	117	10	4	915	46	540	21	319	2	342	-	-
17	34	10	4	950	51	457	83	396	2	481	-	-
18	24	10	4	1,111	68	658	28	369	10	407	-	-
19	132	10	4	1,031	67	615	31	333	6	370	-	-
20	119	10	4	994	56	498	70	403	2	475	-	-
21	33	10	4	1,099	59	619	39	404	1	444	-	-
22	120	10	4	1,000	62	567	38	351	5	393	-	-
23	54	10	4	975	53	483	69	402	4	474	-	-
24	49	10	4	1,015	51	593	26	353	11	390	-	-
25	78	10	4	862	53	508	28	283	10	321	-	-
26	76	10	4	1,013	51	553	53	381	3	437	-	-
27	10	10	4	815	35	376	92	351	3	446	-	-
28	112	10	4	926	46	542	21	328	2	351	-	-
29	129	10	4	835	52	468	34	297	4	335	-	-
30	107	10	4	951	47	547	29	341	6	376	-	-
31	95	10	4	809	49	441	38	298	5	341	-	-
32	68	10	4	780	44	396	63	305	3	371	-	-
33	67	10	4	730	43	394	37	272	5	314	-	-
34	93	10	4	785	41	467	24	267	1	292	-	-
35	23	10	4	802	40	468	23	283	3	309	-	-
36	97	10	4	858	46	506	18	298	3	319	-	-
37	85	10	5	953	46	574	20	320	8	348	-	-
38	131	10	5	883	52	476	47	329	6	381	-	-
39	80	10	5	843	54	469	37	302	1	341	-	-
40	73	10	5	795	50	426	46	296	1	344	-	-
41	90	10	5	784	46	392	72	307	-	379	-	-
42	136	10	5	831	49	434	51	321	4	376	-	-

North Yorkshire Sample Sites QUADRO Results Summary												
Base Peak												
Urgent												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
43	123	10	6	1169	62	662	46	420	6	472	0	0
44	108	10	6	934	59	532	27	329	6	362	0	0
45	89	10	6	1057	54	552	58	420	3	481	0	0
46	59	10	6	1039	51	586	39	382	2	423	0	0
47	41	10	6	932	56	504	47	345	6	399	0	0
48	35	10	6	894	51	441	71	363	2	436	0	0
49	86	10	6	809	51	446	33	297	3	332	0	0
50	91	10	6	819	49	421	54	320	3	376	0	0
51	122	10	6	979	51	599	20	319	5	344	0	0
52	13	10	6	886	39	508	24	320	12	356	0	0
53	106	10	6	811	50	429	48	308	3	358	0	0
54	126	10	6	796	47	413	45	311	3	360	0	0
55	45	10	6	892	45	500	32	332	2	366	0	0
56	71	10	6	789	50	432	34	289	3	327	0	0
57	103	10	6	749	47	406	40	275	2	317	0	0
58	7	10	6	847	46	491	21	299	4	325	0	0
59	36	10	6	695	41	357	48	271	3	321	0	0
60	118	10	6	705	42	363	41	276	3	321	0	0
61	2	10	5	655	45	378	20	224	2	245	0	0
62	22	10	5	820	45	457	31	303	2	336	0	0
63	52	10	5	579	34	310	27	219	4	250	0	0
64	77	10	5	519	30	252	45	213	1	259	0	0
65	6	10	5	518	34	291	17	184	3	204	0	0
66	116	10	5	641	30	329	29	267	1	297	0	0
67	37	10	5	489	31	291	15	159	3	177	0	0
68	62	10	5	597	30	332	19	227	1	246	0	0
69	56	10	5	494	31	259	35	186	1	221	0	0
70	125	10	5	501	31	266	26	190	1	217	0	0
71	124	10	5	491	29	246	34	198	1	233	0	0
72	98	10	5	486	30	266	30	173	3	206	0	0
73	1	10	5	469	28	271	14	161	4	179	0	0
74	121	10	5	484	29	243	35	194	1	229	0	0
75	72	10	5	459	30	257	24	159	1	184	0	0
76	5	10	5	469	31	265	23	161	1	184	0	0
77	51	10	5	553	29	335	11	183	4	197	0	0
78	110	10	5	547	27	303	21	206	1	228	0	0
79	102	10	5	464	31	260	20	163	1	184	0	0
80	74	10	5	459	26	239	23	181	3	206	0	0
81	105	10	5	442	26	222	31	177	1	209	0	0
82	61	10	5	493	25	280	16	178	2	197	0	0
83	104	10	5	426	24	206	32	179	2	213	0	0
84	17	10	5	503	27	285	14	183	3	200	0	0

North Yorkshire Sample Sites QUADRO Results Summary													
Base Peak													
Urgent													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
43	123	10	5	975	51	552	39	350	5	393	-	-	
44	108	10	5	779	49	444	22	274	5	301	-	-	
45	89	10	5	881	45	460	49	350	2	400	-	-	
46	59	10	5	866	43	489	33	318	1	352	-	-	
47	41	10	5	776	46	420	39	288	5	332	-	-	
48	35	10	5	745	43	368	59	303	1	364	-	-	
49	86	10	5	674	43	371	27	247	2	276	-	-	
50	91	10	5	682	41	351	45	266	2	314	-	-	
51	122	10	5	816	43	499	16	266	4	286	-	-	
52	13	10	5	739	33	423	20	267	10	297	-	-	
53	106	10	5	676	41	357	40	256	2	299	-	-	
54	126	10	5	664	39	344	38	259	3	300	-	-	
55	45	10	5	743	37	417	26	277	1	305	-	-	
56	71	10	5	657	41	360	29	241	3	272	-	-	
57	103	10	5	624	39	339	34	229	1	264	-	-	
58	7	10	5	706	39	409	18	249	4	271	-	-	
59	36	10	5	579	34	298	40	226	2	268	-	-	
60	118	10	5	587	35	303	34	230	3	267	-	-	
61	2	10	5	546	37	315	16	186	1	204	-	-	
62	22	10	5	683	37	381	26	253	1	280	-	-	
63	52	10	5	579	34	310	27	219	4	250	-	-	
64	77	10	5	519	30	252	45	213	1	259	-	-	
65	6	10	5	518	34	291	17	184	3	204	-	-	
66	116	10	5	641	30	329	29	267	1	297	-	-	
67	37	10	6	586	37	349	18	191	3	213	-	-	
68	62	10	6	717	36	398	22	273	1	296	-	-	
69	56	10	6	593	37	311	42	223	1	266	-	-	
70	125	10	6	602	38	320	31	228	2	261	-	-	
71	124	10	6	590	35	296	41	237	1	279	-	-	
72	98	10	6	584	36	320	36	207	3	247	-	-	
73	1	10	6	563	33	326	17	193	5	215	-	-	
74	121	10	6	580	34	291	42	232	1	275	-	-	
75	72	10	6	550	36	309	29	190	2	221	-	-	
76	5	10	6	562	38	318	27	193	1	221	-	-	
77	51	10	6	663	35	402	13	219	4	236	-	-	
78	110	10	6	656	33	364	25	247	2	273	-	-	
79	102	10	6	556	37	312	24	195	2	221	-	-	
80	74	10	6	550	32	286	27	217	3	248	-	-	
81	105	10	6	531	32	267	38	213	1	251	-	-	
82	61	10	6	591	30	336	20	214	3	236	-	-	
83	104	10	6	512	28	248	39	214	3	255	-	-	
84	17	10	6	604	33	343	17	219	3	240	-	-	

North Yorkshire Sample Sites QUADRO Results Summary												
Base Peak												
Urgent												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
85	27	10	5	384	24	214	14	137	3	154	0	0
86	130	10	5	396	25	219	17	141	3	161	0	0
87	39	10	5	436	23	248	16	157	1	174	0	0
88	32	10	5	345	23	190	11	128	0	139	0	0
89	137	10	5	388	26	214	13	144	0	156	0	0
90	60	10	5	436	23	263	9	144	4	157	0	0
91	4	10	4	318	20	186	10	104	5	119	0	0
92	29	10	4	295	18	156	15	113	1	129	0	0
93	44	10	4	293	19	158	14	109	1	123	0	0
94	38	10	4	290	18	153	21	109	1	130	0	0
95	113	10	4	319	17	178	9	120	1	130	0	0
96	127	10	4	264	18	154	8	87	2	97	0	0
97	83	10	4	233	11	94	41	104	1	146	0	0
98	87	10	4	289	15	171	8	97	2	108	0	0
99	28	10	4	295	16	157	19	112	0	131	0	0
100	101	10	4	206	13	111	7	78	1	86	0	0
101	96	10	4	238	13	146	5	76	2	83	0	0
102	55	10	4	222	11	95	27	100	1	128	0	0
103	100	10	4	219	15	122	9	78	0	87	0	0
104	133	10	4	253	13	140	9	95	1	105	0	0
105	70	10	4	250	14	141	7	93	0	99	0	0
106	20	10	4	199	11	92	20	85	1	105	0	0
107	64	10	4	206	13	106	10	82	1	93	0	0
108	18	10	4	192	11	99	14	74	0	87	0	0
109	25	10	4	197	14	114	6	66	1	73	0	0
110	92	10	4	210	13	128	5	68	1	74	0	0
111	31	10	4	179	11	97	10	65	1	76	0	0
112	42	10	4	177	11	93	10	67	1	78	0	0
113	50	10	4	180	11	89	12	74	1	86	0	0
114	135	10	4	165	9	84	11	66	1	78	0	0
115	82	10	4	159	10	86	6	59	1	66	0	0
116	79	10	4	153	10	81	10	57	1	67	0	0
117	19	10	4	142	10	83	5	46	1	52	0	0
118	26	10	4	149	10	85	6	50	1	57	0	0
119	66	10	4	145	10	83	6	49	1	55	0	0
120	63	10	4	139	10	80	4	47	0	51	0	0
121	9	10	3	134	9	75	5	47	1	53	0	0
122	3	10	3	132	8	67	7	53	1	60	0	0
123	84	10	3	69	4	41	3	22	2	26	0	0
124	134	10	3	66	0	38	0	26	0	27	0	0
125	114	10	3	52	3	28	2	20	0	21	0	0
126	115	10	3	57	3	29	3	22	0	26	0	0

North Yorkshire Sample Sites QUADRO Results Summary													
Base Peak													
Urgent													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
85	27	10	6	460	29	256	17	165	3	185	-	-	
86	130	10	6	475	30	263	21	170	3	194	-	-	
87	39	10	6	523	27	297	20	188	1	209	-	-	
88	32	10	6	414	27	228	13	153	-	166	-	-	
89	137	10	6	465	31	256	15	172	-	188	-	-	
90	60	10	6	524	27	316	11	173	4	188	-	-	
91	4	10	6	477	30	279	15	156	7	178	-	-	
92	29	10	6	442	27	234	22	169	2	193	-	-	
93	44	10	6	440	28	237	21	163	1	185	-	-	
94	38	10	6	435	27	229	31	163	1	195	-	-	
95	113	10	6	478	25	266	14	180	1	195	-	-	
96	127	10	6	396	27	231	12	130	3	146	-	-	
97	83	10	7	407	20	164	72	182	1	255	-	-	
98	87	10	7	506	27	300	14	170	4	188	-	-	
99	28	10	7	517	28	275	33	197	-	230	-	-	
100	101	10	7	360	23	195	13	136	1	150	-	-	
101	96	10	7	417	22	256	9	133	3	145	-	-	
102	55	10	7	388	19	166	47	175	2	224	-	-	
103	100	10	7	383	26	213	15	137	-	152	-	-	
104	133	10	7	443	23	245	16	167	1	184	-	-	
105	70	10	7	437	24	246	12	162	-	174	-	-	
106	20	10	7	348	19	161	35	148	1	184	-	-	
107	64	10	7	361	22	186	17	144	1	162	-	-	
108	18	10	7	336	20	174	24	129	-	153	-	-	
109	25	10	7	345	24	199	10	116	2	128	-	-	
110	92	10	7	368	22	223	8	119	2	129	-	-	
111	31	10	7	313	19	170	18	113	2	133	-	-	
112	42	10	7	309	19	162	18	117	2	137	-	-	
113	50	10	7	315	19	155	21	129	1	151	-	-	
114	135	10	7	289	16	147	19	115	2	136	-	-	
115	82	10	7	278	18	151	11	103	1	115	-	-	
116	79	10	7	267	17	141	17	99	1	117	-	-	
117	19	10	7	248	17	145	8	81	2	91	-	-	
118	26	10	7	260	18	149	10	87	2	99	-	-	
119	66	10	7	254	17	146	10	85	2	97	-	-	
120	63	10	7	243	17	140	7	83	-	90	-	-	
121	9	10	7	235	16	131	8	83	1	92	-	-	
122	3	10	7	231	14	118	12	92	1	105	-	-	
123	84	10	7	162	9	96	6	51	4	61	-	-	
124	134	10	7	153	-	89	1	61	-	62	-	-	
125	114	10	7	122	7	66	4	46	-	50	-	-	
126	115	10	7	132	8	67	8	52	-	60	-	-	

North Yorkshire Sample Sites QUADRO Results Summary											
Base Peak											
Urgent											
Average	5	1,100	56	612	47	409	4	460	-	-	1
No. of Works		811	811	811	811	811	811	811	811	811	811
Cost of Congestion	£	892,258	45,567	495,994	38,246	331,386	3,530	373,162	-	-	1,030

North Yorkshire Sample Sites QUADRO Results Summary											
Base Peak											
Urgent											
Average	5	766	41	424	34	284	3	321	-	-	1
No. of Works		811	811	811	811	811	811	811	811	811	811
Cost of Congestion	£	621,012	32,994	343,501	27,545	230,263	2,495	260,303	-	-	531

North Yorkshire Sample Sites QUADRO Results Summary												
Base Off Peak												
Major												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
1	65	200	23	5090	325	2615	345	1978	3	2326	0	0
2	112	200	22	3133	182	1837	79	1082	6	1167	0	0
3	80	200	22	3071	211	1713	135	1084	6	1226	0	0
4	71	200	17	1287	85	707	58	464	5	527	0	0
5	62	200	17	1560	87	866	51	583	2	636	0	0
6	134	200	17	1010	66	549	49	369	5	423	0	0
7	29	200	17	984	66	520	51	369	5	425	0	0
8	70	200	13	688	39	390	19	252	0	270	0	0
9	82	200	13	425	28	232	17	158	0	175	0	0
10	48	200	13	104	7	59	2	35	0	37	0	0
11	128	100	23	50175	2435	33948	1718	13086	138	14943	0	-115
12	95	100	22	12053	871	7845	685	2973	79	3737	0	0
13	22	100	17	6332	410	4197	282	1591	17	1890	0	0
14	39	100	13	3119	193	2068	137	789	9	936	0	0
15	79	100	13	1361	102	854	102	351	6	459	0	0
16	128	50	23	1099	66	635	36	379	3	418	0	0
17	68	50	22	871	53	440	72	336	3	412	0	0
18	52	50	17	287	17	153	15	104	2	121	0	0
19	60	50	13	257	15	154	6	82	2	90	0	0
20	19	50	13	147	9	84	6	48	2	56	0	0
21	52	30	17	121	10	92	7	63	2	73	0	0
22	47	10	22	487	25	279	16	170	3	189	0	0
23	35	10	17	272	17	134	22	109	0	131	0	0
24	61	10	17	204	12	117	5	73	0	78	0	0
25	79	10	13	72	4	39	4	26	0	30	0	0
Average			17	3,768	213	2,421	157	1,062	12	1,231	-	5
No. of Works				18	18	18	18	18	18	18	18	18
Cost of Congestion	£			67,453	3,820	43,336	2,805	19,014	214	22,033	-	82

North Yorkshire Sample Sites QUADRO Results Summary													
Base Off Peak													
Major													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
1	65	200	13	2,877	184	1,478	195	1,118	2	1,315	-	-	
2	112	200	13	1,851	108	1,085	46	640	4	690	-	-	
3	80	200	13	1,814	124	1,012	80	641	4	724	-	-	
4	71	200	17	1,287	85	707	58	464	5	527	-	-	
5	62	200	17	1,560	87	866	51	583	2	636	-	-	
6	134	200	17	1,010	66	549	49	369	5	423	-	-	
7	29	200	17	984	66	520	51	369	5	425	-	-	
8	70	200	22	1,165	66	660	31	426	-	458	-	-	
9	82	200	22	720	47	393	28	267	-	295	-	-	
10	48	200	23	184	13	105	3	62	-	66	-	-	
11	128	100	13	28,360	1,376	19,188	971	7,397	78	8,446	-	65	
12	95	100	13	7,122	514	4,635	405	1,757	46	2,208	-	-	
13	22	100	17	6,332	410	4,197	282	1,591	17	1,890	-	-	
14	39	100	22	5,278	327	3,500	233	1,335	16	1,583	-	-	
15	79	100	23	2,408	181	1,511	181	621	10	812	-	-	
16	128	50	13	621	37	359	20	214	2	236	-	-	
17	68	50	13	514	32	260	43	199	2	243	-	-	
18	52	50	17	287	17	153	15	104	2	121	-	-	
19	60	50	22	434	25	260	9	140	3	152	-	-	
20	19	50	23	260	16	148	10	85	3	99	-	-	
21	52	30	17	121	10	92	7	63	2	73	-	-	
22	47	10	13	287	15	165	9	100	2	111	-	-	
23	35	10	17	272	17	134	22	109	-	131	-	-	
24	61	10	17	204	12	117	5	73	-	78	-	-	
25	79	10	22	123	6	66	6	44	-	50	-	-	
Average			17	2,643	154	1,686	112	751	8	872	-	3	
No. of Works				18	18	18	18	18	18	18	18	18	
Cost of Congestion			£	47,310	2,751	30,186	2,013	13,440	150	15,603	-	47	

North Yorkshire Sample Sites QUADRO Results Summary												
Base Off Peak												
Standard												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
1	30	200	15	2381	156	1296	141	855	9	1005	0	0
2	78	200	12	16008	989	9430	526	5246	195	5967	0	2
3	89	200	9	9812	507	5133	545	3894	22	4461	0	1
4	6	200	9	5813	379	3273	192	2067	31	2290	0	0
5	61	200	9	5403	279	3075	181	1955	26	2162	0	0
6	100	200	5	1720	119	956	67	618	0	685	0	0
7	113	200	4	1025	54	571	29	387	2	418	0	0
8	111	100	15	30754	1749	19517	2186	8451	96	10734	0	-105
9	93	100	12	6662	394	4478	233	1683	12	1928	0	0
10	86	100	9	3304	253	2166	162	810	10	982	0	0
11	124	100	9	2340	171	1439	203	625	5	833	0	0
12	44	100	5	1000	78	644	59	251	2	311	0	0
13	82	100	4	426	34	280	20	103	1	124	0	0
14	111	50	15	45898	744	9086	921	43	7412	17241	-81	17160
15	95	50	12	11139	242	2187	190	22	1689	4118	0	4118
16	22	50	9	5613	111	1134	76	5	831	2075	0	2075
17	137	50	5	1787	43	353	21	1	258	654	0	654
18	79	50	4	703	16	134	16	1	111	261	0	261
19	52	30	9	1041	62	558	49	393	8	450	0	0
20	88	10	15	10881	394	6560	223	3826	62	4111	0	-32
21	99	10	15	6469	272	3783	180	2325	32	2537	0	-11
22	81	10	15	4324	261	2331	287	1586	4	1877	0	0
23	24	10	15	4166	255	2466	105	1382	39	1526	0	0
24	54	10	15	3658	197	1813	257	1506	15	1779	0	0
25	112	10	12	2777	139	1627	62	985	5	1052	0	0
26	67	10	12	2191	129	1183	111	816	15	943	0	0
27	131	10	12	2119	125	1142	113	789	14	915	0	0
28	123	10	12	2339	123	1325	93	839	12	944	0	0
29	35	10	12	1788	103	883	142	727	3	873	0	0
30	106	10	9	1216	75	643	72	462	4	537	0	0
31	7	10	9	1271	69	736	32	449	6	488	0	0
32	52	10	9	1041	62	558	49	393	8	450	0	0
33	62	10	9	1075	54	597	33	409	1	444	0	0
34	1	10	9	845	50	489	26	289	8	323	0	0
35	110	10	5	547	27	303	21	206	1	228	0	0
36	104	10	5	426	24	206	32	179	2	213	0	0
37	32	10	5	345	23	190	11	128	0	139	0	0
38	44	10	5	366	24	198	18	136	1	154	0	0
39	87	10	5	362	19	214	10	122	3	135	0	0
40	100	10	4	219	15	122	9	78	0	87	0	0
41	18	10	4	192	11	99	14	74	0	87	0	0
42	50	10	4	180	11	89	12	74	1	86	0	0

North Yorkshire Sample Sites QUADRO Results Summary													
Base Off Peak Standard													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
1	30	200	4	635	42	346	38	228	2	268	-	-	
2	78	200	5	6,670	412	3,929	219	2,186	81	2,486	-	1	
3	89	200	9	9,812	507	5,133	545	3,894	22	4,461	-	1	
4	6	200	9	5,813	379	3,273	192	2,067	31	2,290	-	-	
5	61	200	9	5,403	279	3,075	181	1,955	26	2,162	-	-	
6	100	200	12	4,128	285	2,295	161	1,483	-	1,644	-	-	
7	113	200	15	3,843	201	2,142	109	1,453	6	1,569	-	-	
8	111	100	4	8,201	466	5,205	583	2,254	26	2,862	-	28	
9	93	100	5	2,776	164	1,866	97	701	5	803	-	-	
10	86	100	9	3,304	253	2,166	162	810	10	982	-	-	
11	124	100	9	2,340	171	1,439	203	625	5	833	-	-	
12	44	100	12	2,400	187	1,545	141	602	5	747	-	-	
13	82	100	15	1,599	129	1,050	75	386	4	465	-	-	
14	111	50	4	12,239	198	2,423	246	11	1,977	4,598	-	22	4,576
15	95	50	5	4,641	101	911	79	9	704	1,716	-	-	1,716
16	22	50	9	5,613	111	1,134	76	5	831	2,075	-	-	2,075
17	137	50	12	4,289	103	847	50	2	619	1,569	-	-	1,569
18	79	50	15	2,638	60	501	60	4	418	979	-	-	979
19	52	30	9	1,041	62	558	49	393	8	450	-	-	-
20	88	10	4	2,902	105	1,749	59	1,020	17	1,096	-	-	9
21	99	10	4	1,725	73	1,009	48	620	9	676	-	-	3
22	81	10	4	1,153	70	622	77	423	1	501	-	-	-
23	24	10	4	1,111	68	658	28	369	10	407	-	-	-
24	54	10	5	1,219	66	604	86	502	5	593	-	-	-
25	112	10	5	1,157	58	678	26	411	2	438	-	-	-
26	67	10	5	913	54	493	46	340	6	393	-	-	-
27	131	10	5	883	52	476	47	329	6	381	-	-	-
28	123	10	5	975	51	552	39	350	5	393	-	-	-
29	35	10	9	1,341	77	662	107	545	3	654	-	-	-
30	106	10	9	1,216	75	643	72	462	4	537	-	-	-
31	7	10	9	1,271	69	736	32	449	6	488	-	-	-
32	52	10	9	1,041	62	558	49	393	8	450	-	-	-
33	62	10	9	1,075	54	597	33	409	1	444	-	-	-
34	1	10	12	1,126	67	651	34	386	10	430	-	-	-
35	110	10	12	1,313	65	728	50	494	3	547	-	-	-
36	104	10	12	1,023	57	495	77	429	5	511	-	-	-
37	32	10	12	828	55	456	26	307	-	333	-	-	-
38	44	10	12	879	57	475	43	326	2	370	-	-	-
39	87	10	15	1,085	58	643	30	365	9	404	-	-	-
40	100	10	15	821	56	456	32	294	-	326	-	-	-
41	18	10	15	720	43	373	51	276	-	328	-	-	-
42	50	10	15	675	41	332	45	276	2	324	-	-	-

North Yorkshire Sample Sites QUADRO Results Summary													
Base Off Peak													
Standard													
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
43	26	10	4	149	10	85	6	50	1	57	0	0	
Average			9	4,692	206	2,171	180	1,052	255	1,783	-	2	561
No. of Works				140	8	81	5	48	1	53		0	0
Cost of Congestion			£	144,528	6,340	66,867	5,540	32,404	7,849	54,926	-	58	17,279

North Yorkshire Sample Sites QUADRO Results Summary													
Base Off Peak													
Standard													
Sample	Ref	Length	15	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
43	26	10	15	557	39	319	21	186	4	212	-	-	
Average			9	2,660	130	1,275	103	675	114	1,028	-	1	253
No. of Works			35		2	20	1	12	0	13	-	-	
Cost of Congestion			£	81,939	3,995	39,255	3,169	20,792	3,508	31,657	-	16	7,791

North Yorkshire												
Base Off Peak												
Minor with Excavation												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
1	34	100	4	2497	167	1481	270	706	5	981	0	0
2	22	100	3	1117	72	741	50	281	3	334	0	0
3	64	100	2	266	21	173	16	65	1	82	0	0
4	75	50	4	65	5	39	2	21	1	23	0	0
5	33	50	4	98	7	59	3	31	1	34	0	0
6	73	50	4	97	6	49	7	38	0	45	0	0
7	2	50	4	148	9	83	6	53	0	59	0	0
8	110	50	4	97	6	55	3	33	1	37	0	0
9	87	50	4	99	6	49	7	40	1	47	0	0
10	26	50	4	157	9	92	5	53	2	60	0	0
11	40	10	4	137	9	81	5	44	2	50	0	0
12	75	10	4	109	6	60	6	40	1	46	0	0
13	88	10	4	209	9	97	24	89	1	114	0	0
14	30	10	4	92	5	54	2	32	0	34	0	0
15	43	10	4	87	6	49	3	30	1	34	0	0
16	111	10	4	97	5	56	3	34	1	38	0	0
17	21	10	3	63	4	34	3	23	0	26	0	0
18	99	10	3	72	4	36	6	27	0	33	0	0
19	128	10	3	66	4	36	3	24	0	28	0	0
20	11	10	3	73	4	43	3	24	0	27	0	0
21	46	10	3	68	4	39	2	24	0	26	0	0
22	65	10	3	59	3	34	1	20	0	21	0	0
23	81	10	3	77	4	46	2	25	1	28	0	0
24	47	10	3	57	3	31	3	21	0	24	0	0
25	16	10	3	67	5	37	3	24	0	27	0	0
26	117	10	3	73	5	39	4	27	0	31	0	0
27	34	10	3	75	5	37	7	29	0	36	0	0
28	24	10	3	56	3	29	3	21	0	25	0	0
29	132	10	3	63	3	35	3	22	0	25	0	0
30	119	10	3	64	4	36	2	22	0	24	0	0
31	33	10	3	77	4	40	4	30	0	35	0	0
32	120	10	3	63	3	35	3	23	0	25	0	0
33	54	10	3	53	3	28	3	19	0	22	0	0
34	49	10	3	48	3	24	4	19	0	23	0	0
35	78	10	3	66	4	36	3	24	0	27	0	0
36	76	10	3	65	4	33	4	25	0	30	0	0
37	10	10	3	51	3	31	1	16	0	18	0	0
38	112	10	3	73	3	42	2	26	1	29	0	0
39	129	10	3	49	3	26	3	18	0	21	0	0
40	107	10	3	47	3	24	3	18	0	21	0	0
41	95	10	3	50	3	28	2	18	0	20	0	0
42	68	10	3	37	3	20	2	13	0	15	0	0

North Yorkshire Sample Sites QUADRO Results Summary													
Base Off Peak													
Minor with Excavation													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
1	34	100	2	1,249	83	740	135	353	3	491	-	-	
2	22	100	3	1,117	72	741	50	281	3	334	-	-	
3	64	100	4	533	41	345	32	130	2	165	-	-	
4	75	50	2	119	7	70	3	41	1	45	-	-	
5	33	50	2	123	7	69	5	44	-	49	-	-	
6	73	50	2	80	5	43	5	29	-	34	-	-	
7	2	50	3	93	6	54	3	31	0	35	-	-	
8	110	50	3	57	3	31	2	22	-	24	-	-	
9	87	50	4	73	4	43	2	24	1	27	-	-	
10	26	50	4	34	2	19	1	11	-	13	-	-	
11	40	10	1	31	2	18	1	11	0	12	-	-	
12	75	10	1	36	2	21	1	13	0	14	-	-	
13	88	10	1	39	2	23	1	13	0	14	-	-	
14	30	10	1	25	2	14	1	9	0	11	-	-	
15	43	10	1	38	3	22	1	13	-	14	-	-	
16	111	10	1	34	2	18	2	12	0	14	-	-	
17	21	10	1	26	2	15	1	9	0	10	-	-	
18	99	10	1	35	2	20	1	12	0	13	-	-	
19	128	10	1	29	2	17	1	10	-	11	-	-	
20	11	10	1	35	2	20	1	12	0	13	-	-	
21	46	10	1	24	2	12	1	9	-	10	-	-	
22	65	10	1	35	2	18	2	14	-	16	-	-	
23	81	10	1	26	2	14	2	9	-	11	-	-	
24	47	10	1	22	1	13	1	8	0	9	-	-	
25	16	10	1	34	2	18	2	13	0	15	-	-	
26	117	10	1	32	2	19	1	11	0	12	-	-	
27	34	10	1	31	2	15	3	13	-	16	-	-	
28	24	10	1	16	1	10	0	5	0	6	-	-	
29	132	10	1	25	2	15	1	8	0	9	-	-	
30	119	10	1	24	1	12	2	10	-	11	-	-	
31	33	10	1	37	2	21	1	13	-	15	-	-	
32	120	10	1	24	2	14	1	8	0	9	-	-	
33	54	10	1	25	1	12	2	10	0	12	-	-	
34	49	10	2	79	4	46	2	27	1	30	-	-	
35	78	10	2	69	5	40	2	22	1	25	-	-	
36	76	10	2	55	3	30	3	20	0	23	-	-	
37	10	10	2	104	5	48	12	45	0	57	-	-	
38	112	10	2	46	3	27	1	16	-	17	-	-	
39	129	10	2	43	3	24	2	15	0	17	-	-	
40	107	10	2	49	3	28	2	17	0	19	-	-	
41	95	10	2	42	3	23	2	15	0	17	-	-	
42	68	10	2	48	3	24	4	18	0	22	-	-	

North Yorkshire												
Base Off Peak												
Minor with Excavation												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
43	67	10	3	66	4	36	3	24	0	28	0	0
44	93	10	3	73	4	43	3	24	0	27	0	0
45	23	10	3	68	4	39	2	24	0	26	0	0
46	97	10	3	59	3	34	1	20	0	21	0	0
47	85	10	3	77	4	46	2	25	1	28	0	0
48	131	10	3	57	3	31	3	21	0	24	0	0
49	80	10	3	67	5	37	3	24	0	27	0	0
50	73	10	3	73	5	39	4	27	0	31	0	0
51	90	10	3	75	5	37	7	29	0	36	0	0
52	136	10	3	56	3	29	3	21	0	25	0	0
53	123	10	3	63	3	35	3	22	0	25	0	0
54	108	10	3	64	4	36	2	22	0	24	0	0
55	89	10	3	77	4	40	4	30	0	35	0	0
56	59	10	3	63	3	35	3	23	0	25	0	0
57	41	10	3	53	3	28	3	19	0	22	0	0
58	35	10	3	48	3	24	4	19	0	23	0	0
59	86	10	3	66	4	36	3	24	0	27	0	0
60	91	10	3	65	4	33	4	25	0	30	0	0
61	122	10	3	51	3	31	1	16	0	18	0	0
62	13	10	3	73	3	42	2	26	1	29	0	0
63	106	10	3	49	3	26	3	18	0	21	0	0
64	126	10	3	47	3	24	3	18	0	21	0	0
65	45	10	3	50	3	28	2	18	0	20	0	0
66	71	10	3	37	3	20	2	13	0	15	0	0
67	103	10	3	45	3	24	3	16	0	19	0	0
68	7	10	3	53	3	30	1	19	0	20	0	0
69	36	10	3	45	3	23	3	17	0	21	0	0
70	118	10	3	42	3	22	3	16	0	19	0	0
71	2	10	2	37	2	22	1	13	0	14	0	0
72	22	10	0	0	0	0	0	0	0	0	0	0
73	52	10	2	20	1	11	1	7	0	9	0	0
74	77	10	2	35	2	17	3	14	0	17	0	0
75	6	10	2	34	2	19	1	12	0	13	0	0
76	116	10	2	23	1	12	1	9	0	10	0	0
77	37	10	2	31	2	18	1	10	0	11	0	0
78	62	10	2	30	2	16	1	11	0	12	0	0
79	56	10	2	29	2	15	2	11	0	13	0	0
80	125	10	2	25	2	13	1	9	0	11	0	0
81	124	10	2	24	1	12	2	9	0	11	0	0
82	98	10	2	25	1	13	2	9	0	11	0	0
83	1	10	2	24	1	13	1	8	0	9	0	0
84	121	10	2	24	1	12	2	9	0	11	0	0

North Yorkshire Sample Sites QUADRO Results Summary													
Base Off Peak													
Minor with Excavation													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
43	67	10	2	44	3	24	2	16	0	19	-	-	
44	93	10	2	49	3	29	2	16	-	18	-	-	
45	23	10	2	46	3	26	1	16	0	17	-	-	
46	97	10	2	39	2	23	1	13	-	14	-	-	
47	85	10	2	52	3	31	1	17	1	19	-	-	
48	131	10	2	38	2	21	2	14	0	16	-	-	
49	80	10	2	45	3	25	2	16	-	18	-	-	
50	73	10	2	49	3	26	3	18	-	21	-	-	
51	90	10	2	50	3	25	5	19	-	24	-	-	
52	136	10	2	37	2	19	2	14	0	17	-	-	
53	123	10	2	42	2	24	2	15	0	17	-	-	
54	108	10	2	43	3	24	1	15	0	16	-	-	
55	89	10	2	52	3	27	3	20	-	23	-	-	
56	59	10	2	42	2	24	2	15	-	17	-	-	
57	41	10	2	35	2	19	2	13	0	15	-	-	
58	35	10	2	32	2	16	3	13	-	15	-	-	
59	86	10	2	44	3	24	2	16	-	18	-	-	
60	91	10	2	43	3	22	3	17	-	20	-	-	
61	122	10	2	34	2	21	1	11	0	12	-	-	
62	13	10	2	48	2	28	1	17	1	19	-	-	
63	106	10	2	33	2	17	2	12	-	14	-	-	
64	126	10	2	31	2	16	2	12	-	14	-	-	
65	45	10	2	33	2	19	1	12	-	13	-	-	
66	71	10	2	25	2	13	1	9	-	10	-	-	
67	103	10	2	30	2	16	2	11	-	13	-	-	
68	7	10	2	35	2	20	1	12	0	13	-	-	
69	36	10	2	30	2	15	2	11	-	14	-	-	
70	118	10	2	28	2	15	2	11	-	13	-	-	
71	2	10	2	37	3	22	1	13	-	14	-	-	
72	22	10	2	34	2	19	1	12	-	14	-	-	
73	52	10	2	20	1	11	1	7	0	9	-	-	
74	77	10	2	35	2	17	3	14	-	17	-	-	
75	6	10	2	34	2	19	1	12	0	13	-	-	
76	116	10	2	23	1	12	1	9	-	10	-	-	
77	37	10	2	31	2	18	1	10	0	11	-	-	
78	62	10	3	45	3	25	2	16	-	18	-	-	
79	56	10	3	43	3	23	3	16	-	19	-	-	
80	125	10	3	37	3	20	2	14	-	16	-	-	
81	124	10	3	36	2	18	3	14	-	17	-	-	
82	98	10	3	37	2	20	3	13	0	16	-	-	
83	1	10	3	36	2	20	1	12	0	14	-	-	
84	121	10	3	36	2	18	3	14	-	17	-	-	

North Yorkshire Sample Sites QUADRO Results Summary												
Base Off Peak												
Minor with Excavation												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
85	72	10	2	29	2	16	2	10	0	11	0	0
86	5	10	2	24	2	14	1	8	0	9	0	0
87	51	10	2	22	1	13	0	7	0	7	0	0
88	110	10	2	23	1	12	1	9	0	9	0	0
89	102	10	2	23	2	13	1	8	0	9	0	0
90	74	10	2	25	1	13	1	9	0	11	0	0
91	105	10	2	25	1	13	2	10	0	12	0	0
92	61	10	2	24	1	14	1	9	0	9	0	0
93	104	10	2	21	1	10	1	9	0	10	0	0
94	17	10	2	20	1	11	1	7	0	8	0	0
95	27	10	2	23	1	13	1	8	0	9	0	0
96	130	10	2	21	1	11	1	7	0	8	0	0
97	39	10	2	27	1	15	1	9	0	10	0	0
98	32	10	2	33	2	18	1	12	0	13	0	0
99	137	10	2	20	1	11	1	7	0	8	0	0
100	60	10	2	24	1	14	1	8	0	9	0	0
101	4	10	2	14	1	8	0	4	0	5	0	0
102	29	10	2	18	1	10	1	7	0	8	0	0
103	44	10	2	20	1	11	1	7	0	8	0	0
104	38	10	2	19	1	10	1	7	0	9	0	0
105	113	10	2	22	1	12	1	8	0	8	0	0
106	127	10	2	17	1	10	0	6	0	6	0	0
107	83	10	2	28	1	11	5	13	0	17	0	0
108	87	10	2	22	1	13	1	8	0	8	0	0
109	28	10	2	21	1	11	1	8	0	9	0	0
110	101	10	2	30	2	16	1	11	0	13	0	0
111	96	10	2	2	0	1	0	1	0	1	0	0
112	55	10	2	17	1	7	2	8	0	10	0	0
113	100	10	2	16	1	9	1	5	0	6	0	0
114	133	10	2	17	1	9	1	6	0	7	0	0
115	70	10	1	9	0	5	0	3	0	3	0	0
116	20	10	1	9	1	4	1	4	0	5	0	0
117	64	10	1	7	0	3	0	3	0	3	0	0
118	18	10	1	8	1	4	1	3	0	4	0	0
119	25	10	1	8	1	4	0	3	0	3	0	0
120	92	10	1	10	1	6	0	3	0	3	0	0
121	31	10	1	8	0	4	0	3	0	3	0	0
122	42	10	1	7	0	4	0	3	0	3	0	0
123	50	10	1	6	0	3	0	2	0	2	0	0
124	135	10	1	6	0	3	0	2	0	2	0	0
125	82	10	1	5	0	3	0	2	0	2	0	0
126	79	10	1	6	0	3	0	2	0	2	0	0

North Yorkshire Sample Sites QUADRO Results Summary													
Base Off Peak													
Minor with Excavation													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
85	72	10	3	43	3	24	3	15	-	17	-	-	
86	5	10	3	36	3	21	2	12	-	14	-	-	
87	51	10	3	33	2	20	0	11	-	11	-	-	
88	110	10	3	34	2	19	1	13	-	14	-	-	
89	102	10	3	35	3	19	2	12	-	13	-	-	
90	74	10	3	37	2	19	2	14	0	17	-	-	
91	105	10	3	38	2	19	3	15	-	18	-	-	
92	61	10	3	36	2	21	1	13	-	14	-	-	
93	104	10	3	32	2	15	2	13	-	15	-	-	
94	17	10	3	30	2	17	1	11	-	12	-	-	
95	27	10	3	34	2	19	1	12	0	14	-	-	
96	130	10	3	31	2	17	1	11	-	12	-	-	
97	39	10	3	40	2	23	2	14	-	16	-	-	
98	32	10	3	50	3	27	2	18	-	20	-	-	
99	137	10	3	30	2	16	1	11	-	12	-	-	
100	60	10	3	36	2	21	1	12	0	13	-	-	
101	4	10	3	21	1	12	0	6	0	7	-	-	
102	29	10	3	27	2	15	1	10	-	12	-	-	
103	44	10	3	30	2	16	1	11	-	12	-	-	
104	38	10	3	29	2	15	2	11	-	13	-	-	
105	113	10	3	32	2	18	1	12	-	13	-	-	
106	127	10	3	26	2	15	0	9	-	9	-	-	
107	83	10	3	42	2	17	7	19	-	26	-	-	
108	87	10	4	45	2	26	1	15	1	17	-	-	
109	28	10	4	42	2	22	2	16	-	18	-	-	
110	101	10	4	61	4	33	2	23	-	25	-	-	
111	96	10	4	3	-	2	-	1	-	1	-	-	
112	55	10	4	34	2	15	4	15	-	19	-	-	
113	100	10	4	32	2	18	1	11	-	12	-	-	
114	133	10	4	33	2	18	1	12	-	13	-	-	
115	70	10	4	35	2	19	1	13	-	14	-	-	
116	20	10	4	37	2	17	3	15	-	19	-	-	
117	64	10	4	27	2	14	1	10	-	11	-	-	
118	18	10	4	34	2	17	2	13	-	15	-	-	
119	25	10	4	31	2	18	1	10	-	11	-	-	
120	92	10	4	39	2	23	1	13	-	14	-	-	
121	31	10	4	31	2	17	2	11	-	13	-	-	
122	42	10	4	28	2	15	2	10	-	12	-	-	
123	50	10	4	22	1	11	1	9	-	10	-	-	
124	135	10	4	22	1	11	1	9	-	10	-	-	
125	82	10	4	21	1	11	1	8	-	9	-	-	
126	79	10	4	22	1	12	1	8	-	9	-	-	

North Yorkshire Sample Sites QUADRO Results Summary												
Base Off Peak												
Minor with Excavation												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
127	19	10	1	7	0	4	0	2	0	2	0	0
128	26	10	1	5	0	3	0	2	0	2	0	0
129	66	10	1	5	0	3	0	1	0	2	0	0
130	63	10	1	6	0	3	0	2	0	2	0	0
131	9	10	1	5	0	3	0	2	0	2	0	0
132	3	10	1	4	0	2	0	2	0	2	0	0
133	84	10	1	2	0	1	0	1	0	1	0	0
134	134	10	1	5	0	3	0	2	0	2	0	0
135	114	10	1	0	0	0	0	0	0	0	0	0
136	115	10	1	3	0	1	0	1	0	1	0	0
137	14	10	1	2	0	1	0	1	0	1	0	0
Average			3	219	5	47	5	27	0	-	-	-
No. of Works				114	98	98	98	98	98	98	98	98
Cost of Congestion				8,063	503	4,626	487	2,652	25	3,165	-	-

North Yorkshire Sample Sites QUADRO Results Summary												
Base Off Peak												
Minor with Excavation												
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
127	19	10	4	27	2	15	1	9	-	10	-	-
128	26	10	4	21	2	11	1	7	-	7	-	-
129	66	10	4	18	1	11	1	6	-	6	-	-
130	63	10	4	22	2	13	1	7	-	8	-	-
131	9	10	4	18	1	10	1	6	-	7	-	-
132	3	10	4	18	1	9	1	7	-	7	-	-
133	84	10	4	9	1	5	-	3	-	3	-	-
134	134	10	4	19	1	11	-	8	-	8	-	-
135	114	10	4	1	-	1	-	-	-	-	-	-
136	115	10	4	11	1	6	1	5	-	5	-	-
137	14	10	4	9	1	5	-	3	-	3	-	-
Average			3	57	4	33	3	19	0	22	-	-
No. of Works				98	98	98	98	98	98	98	98	98
Cost of Congestion			£	5,632	353	3,255	321	1,832	16	2,169	-	-

North Yorkshire Sample Sites QUADRO Results Summary												
Base Off Peak												
Urgent												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
1	40	10	7	219	12	125	8	77	1	86	0	0
2	75	10	7	253	14	146	8	88	1	97	0	0
3	88	10	7	273	15	163	7	90	2	99	0	0
4	30	10	7	178	12	96	10	64	1	75	0	0
5	43	10	7	264	19	153	8	88	0	96	0	0
6	111	10	7	236	15	127	15	85	1	101	0	0
7	21	10	7	182	13	102	7	63	1	71	0	0
8	99	10	7	245	14	142	8	84	1	93	0	0
9	128	10	7	203	12	118	6	71	0	77	0	0
10	11	10	7	244	17	138	9	84	1	94	0	0
11	46	10	7	166	11	87	10	62	0	72	0	0
12	65	10	7	245	15	126	17	95	0	112	0	0
13	81	10	7	185	12	101	12	66	0	78	0	0
14	47	10	7	155	8	89	5	54	1	60	0	0
15	16	10	7	236	13	125	13	90	1	104	0	0
16	117	10	7	225	13	132	5	77	1	83	0	0
17	34	10	7	219	13	106	19	90	0	109	0	0
18	24	10	7	114	8	68	3	36	1	40	0	0
19	132	10	7	172	12	103	5	54	1	60	0	0
20	119	10	7	170	10	86	12	67	0	79	0	0
21	33	10	7	259	15	145	10	94	0	104	0	0
22	120	10	7	169	11	96	6	58	1	65	0	0
23	54	10	7	174	10	86	12	70	1	83	0	0
24	49	10	7	275	15	161	8	94	3	105	0	0
25	78	10	7	240	16	141	8	77	3	88	0	0
26	76	10	7	191	11	104	10	70	1	81	0	0
27	10	10	7	365	16	169	42	156	1	199	0	0
28	112	10	7	161	9	95	4	55	0	59	0	0
29	129	10	7	152	10	85	6	53	1	60	0	0
30	107	10	7	170	9	97	6	60	1	67	0	0
31	95	10	6	147	9	80	7	53	1	61	0	0
32	68	10	6	167	10	85	13	64	1	78	0	0
33	67	10	6	132	9	71	7	48	1	56	0	0
34	93	10	6	146	9	86	5	48	0	53	0	0
35	23	10	6	137	8	78	4	47	1	52	0	0
36	97	10	6	118	7	69	3	40	0	43	0	0
37	85	10	6	155	9	93	3	50	2	56	0	0
38	131	10	6	115	7	62	6	42	1	49	0	0
39	80	10	6	134	9	74	6	47	0	53	0	0
40	73	10	6	146	9	78	9	53	0	62	0	0
41	90	10	6	149	9	75	14	57	0	71	0	0
42	136	10	6	111	7	57	7	42	1	50	0	0

North Yorkshire Sample Sites QUADRO Results Summary													
Base Off Peak													
Urgent													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
1	40	10	3	94	5	53	3	33	0	37	-	-	
2	75	10	3	108	6	63	3	38	0	41	-	-	
3	88	10	3	117	6	70	3	39	1	42	-	-	
4	30	10	3	76	5	41	4	27	0	32	-	-	
5	43	10	3	113	8	66	3	38	-	41	-	-	
6	111	10	3	101	6	54	6	36	0	43	-	-	
7	21	10	4	104	7	58	4	36	1	41	-	-	
8	99	10	4	140	8	81	5	48	1	53	-	-	
9	128	10	4	116	7	67	3	40	-	44	-	-	
10	11	10	4	139	10	79	5	48	1	54	-	-	
11	46	10	4	95	6	50	6	35	-	41	-	-	
12	65	10	4	140	9	72	10	54	-	64	-	-	
13	81	10	4	106	7	58	7	38	-	45	-	-	
14	47	10	4	88	5	51	3	31	1	34	-	-	
15	16	10	4	135	7	71	7	51	1	59	-	-	
16	117	10	4	128	7	75	3	44	1	47	-	-	
17	34	10	4	125	7	61	11	51	-	62	-	-	
18	24	10	4	65	5	39	2	21	1	23	-	-	
19	132	10	4	98	7	59	3	31	1	34	-	-	
20	119	10	4	97	6	49	7	38	-	45	-	-	
21	33	10	4	148	9	83	6	53	-	59	-	-	
22	120	10	4	97	6	55	3	33	1	37	-	-	
23	54	10	4	99	6	49	7	40	1	47	-	-	
24	49	10	4	157	9	92	5	53	2	60	-	-	
25	78	10	4	137	9	81	5	44	2	50	-	-	
26	76	10	4	109	6	60	6	40	1	46	-	-	
27	10	10	4	209	9	97	24	89	1	114	-	-	
28	112	10	4	92	5	54	2	32	-	34	-	-	
29	129	10	4	87	6	49	3	30	1	34	-	-	
30	107	10	4	97	5	56	3	34	1	38	-	-	
31	95	10	4	84	5	46	4	30	1	35	-	-	
32	68	10	4	95	6	49	7	37	1	45	-	-	
33	67	10	4	88	6	47	5	32	1	37	-	-	
34	93	10	4	97	6	58	3	32	-	36	-	-	
35	23	10	4	91	5	52	3	32	1	35	-	-	
36	97	10	4	78	5	46	2	27	-	28	-	-	
37	85	10	5	129	7	77	3	42	1	46	-	-	
38	131	10	5	96	6	51	5	35	1	41	-	-	
39	80	10	5	111	8	61	5	39	-	44	-	-	
40	73	10	5	121	8	65	7	44	-	51	-	-	
41	90	10	5	124	8	62	11	48	-	59	-	-	
42	136	10	5	93	6	48	6	35	1	41	-	-	

North Yorkshire Sample Sites QUADRO Results Summary												
Base Off Peak												
Urgent												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
43	123	10	6	125	7	71	5	44	1	50	0	0
44	108	10	6	128	9	73	3	44	1	48	0	0
45	89	10	6	155	9	80	9	61	0	69	0	0
46	59	10	6	127	7	71	5	45	0	50	0	0
47	41	10	6	105	7	57	5	39	1	45	0	0
48	35	10	6	96	6	47	8	39	0	46	0	0
49	86	10	6	132	9	73	5	48	0	53	0	0
50	91	10	6	130	8	67	9	51	0	59	0	0
51	122	10	6	102	6	62	3	32	1	35	0	0
52	13	10	6	145	7	83	4	51	2	57	0	0
53	106	10	6	99	6	52	6	37	0	43	0	0
54	126	10	6	93	6	48	5	36	0	41	0	0
55	45	10	6	99	5	56	4	36	0	40	0	0
56	71	10	6	74	5	39	3	27	0	30	0	0
57	103	10	6	90	6	48	5	33	0	38	0	0
58	7	10	6	106	6	61	3	37	1	40	0	0
59	36	10	6	90	5	46	7	34	0	41	0	0
60	118	10	6	85	5	44	5	33	0	38	0	0
61	2	10	5	112	8	65	3	38	0	41	0	0
62	22	10	5	102	6	57	4	37	0	41	0	0
63	52	10	5	51	3	27	2	19	1	21	0	0
64	77	10	5	86	5	41	8	35	0	43	0	0
65	6	10	5	85	6	47	3	30	1	34	0	0
66	116	10	5	57	3	29	2	23	0	25	0	0
67	37	10	5	76	5	44	3	24	1	28	0	0
68	62	10	5	75	4	41	3	27	0	30	0	0
69	56	10	5	72	4	38	5	27	0	32	0	0
70	125	10	5	62	4	33	4	23	0	26	0	0
71	124	10	5	61	4	31	4	24	0	28	0	0
72	98	10	5	62	4	34	4	21	1	26	0	0
73	1	10	5	59	4	34	2	20	1	23	0	0
74	121	10	5	61	4	30	5	24	0	29	0	0
75	72	10	5	72	5	40	4	24	0	29	0	0
76	5	10	5	61	4	34	3	20	0	23	0	0
77	51	10	5	55	3	33	1	18	0	19	0	0
78	110	10	5	57	3	31	2	21	0	24	0	0
79	102	10	5	58	4	32	3	19	0	22	0	0
80	74	10	5	61	4	31	4	24	1	28	0	0
81	105	10	5	64	4	31	5	25	0	30	0	0
82	61	10	5	60	4	34	1	21	0	23	0	0
83	104	10	5	53	3	26	4	22	0	26	0	0
84	17	10	5	51	3	28	1	18	0	19	0	0

North Yorkshire Sample Sites QUADRO Results Summary												
Base Off Peak												
Urgent												
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
43	123	10	5	105	6	59	4	37	1	42	-	-
44	108	10	5	106	7	61	3	36	1	40	-	-
45	89	10	5	129	7	67	7	51	-	58	-	-
46	59	10	5	105	6	59	4	38	-	42	-	-
47	41	10	5	88	6	47	4	32	1	37	-	-
48	35	10	5	80	5	39	6	32	-	39	-	-
49	86	10	5	110	7	61	4	40	-	44	-	-
50	91	10	5	109	6	56	7	42	-	49	-	-
51	122	10	5	85	5	51	2	27	1	29	-	-
52	13	10	5	121	6	69	4	43	1	48	-	-
53	106	10	5	82	5	44	5	31	-	36	-	-
54	126	10	5	78	5	40	4	30	-	34	-	-
55	45	10	5	83	4	46	4	30	-	34	-	-
56	71	10	5	61	4	33	3	22	-	25	-	-
57	103	10	5	75	5	40	4	27	-	31	-	-
58	7	10	5	89	5	51	2	31	1	34	-	-
59	36	10	5	75	4	39	6	29	-	34	-	-
60	118	10	5	71	4	36	4	27	-	31	-	-
61	2	10	5	94	6	54	3	31	-	34	-	-
62	22	10	5	85	5	47	4	31	-	34	-	-
63	52	10	5	51	3	27	2	19	1	21	-	-
64	77	10	5	86	5	41	8	35	-	43	-	-
65	6	10	5	85	6	47	3	30	1	34	-	-
66	116	10	5	57	3	29	2	23	-	25	-	-
67	37	10	6	92	6	53	3	29	1	33	-	-
68	62	10	6	90	5	49	3	33	-	36	-	-
69	56	10	6	87	5	45	6	33	-	39	-	-
70	125	10	6	75	5	39	4	27	-	32	-	-
71	124	10	6	73	4	37	5	28	-	33	-	-
72	98	10	6	75	4	40	5	26	1	32	-	-
73	1	10	6	71	4	40	3	24	1	27	-	-
74	121	10	6	73	4	36	6	28	-	34	-	-
75	72	10	6	87	6	48	5	29	-	34	-	-
76	5	10	6	73	5	41	3	24	-	27	-	-
77	51	10	6	66	3	40	1	22	-	22	-	-
78	110	10	6	68	3	37	3	26	-	28	-	-
79	102	10	6	69	5	39	3	23	-	27	-	-
80	74	10	6	74	4	38	4	28	1	33	-	-
81	105	10	6	76	4	38	6	30	-	36	-	-
82	61	10	6	72	4	41	2	26	-	27	-	-
83	104	10	6	63	3	31	4	27	-	31	-	-
84	17	10	6	61	3	34	2	22	-	23	-	-

North Yorkshire Sample Sites QUADRO Results Summary												
Base Off Peak												
Urgent												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
85	27	10	5	57	4	31	2	20	1	23	0	0
86	130	10	5	51	4	29	2	18	0	20	0	0
87	39	10	5	67	4	38	3	23	0	26	0	0
88	32	10	5	83	6	45	3	30	0	33	0	0
89	137	10	5	51	4	27	2	18	0	20	0	0
90	60	10	5	61	4	35	1	20	1	22	0	0
91	4	10	4	27	2	16	1	9	1	10	0	0
92	29	10	4	37	2	19	2	14	0	15	0	0
93	44	10	4	39	3	21	2	14	0	16	0	0
94	38	10	4	38	2	19	3	15	0	18	0	0
95	113	10	4	43	2	24	1	16	0	17	0	0
96	127	10	4	35	2	21	1	11	0	12	0	0
97	83	10	4	57	3	23	10	25	0	35	0	0
98	87	10	4	45	2	26	1	15	1	17	0	0
99	28	10	4	42	2	22	2	16	0	18	0	0
100	101	10	4	61	4	33	2	23	0	25	0	0
101	96	10	4	3	0	2	0	1	0	1	0	0
102	55	10	4	34	2	15	4	15	0	19	0	0
103	100	10	4	32	2	18	1	11	0	12	0	0
104	133	10	4	33	2	18	1	12	0	13	0	0
105	70	10	4	35	2	19	1	13	0	14	0	0
106	20	10	4	37	2	17	3	15	0	19	0	0
107	64	10	4	27	2	14	1	10	0	11	0	0
108	18	10	4	34	2	17	2	13	0	15	0	0
109	25	10	4	31	2	18	1	10	0	11	0	0
110	92	10	4	39	2	23	1	13	0	14	0	0
111	31	10	4	31	2	17	2	11	0	13	0	0
112	42	10	4	28	2	15	2	10	0	12	0	0
113	50	10	4	22	1	11	1	9	0	10	0	0
114	135	10	4	22	1	11	1	9	0	10	0	0
115	82	10	4	21	1	11	1	8	0	9	0	0
116	79	10	4	22	1	12	1	8	0	9	0	0
117	19	10	4	27	2	15	1	9	0	10	0	0
118	26	10	4	21	2	11	1	7	0	7	0	0
119	66	10	4	18	1	11	1	6	0	6	0	0
120	63	10	4	22	2	13	1	7	0	8	0	0
121	9	10	3	18	1	10	1	6	0	7	0	0
122	3	10	3	18	1	9	1	7	0	7	0	0
123	84	10	3	6	0	4	0	2	0	2	0	0
124	134	10	3	15	-1	9	0	6	0	6	0	0
125	114	10	3	1	0	1	0	0	0	0	0	0
126	115	10	3	9	0	4	0	3	0	4	0	0

North Yorkshire Sample Sites QUADRO Results Summary													
Base Off Peak													
Urgent													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
85	27	10	6	69	4	38	3	24	1	27	-	-	
86	130	10	6	62	4	34	3	21	-	24	-	-	
87	39	10	6	80	4	45	3	28	-	31	-	-	
88	32	10	6	99	7	54	3	36	-	39	-	-	
89	137	10	6	61	4	33	3	21	-	24	-	-	
90	60	10	6	73	4	42	2	24	1	26	-	-	
91	4	10	6	41	3	24	1	13	1	15	-	-	
92	29	10	6	55	3	29	3	21	-	23	-	-	
93	44	10	6	59	4	32	3	21	-	24	-	-	
94	38	10	6	57	3	29	4	22	-	27	-	-	
95	113	10	6	65	3	36	2	24	-	25	-	-	
96	127	10	6	52	3	31	1	17	-	18	-	-	
97	83	10	7	99	5	40	17	44	-	61	-	-	
98	87	10	7	78	4	46	2	26	1	29	-	-	
99	28	10	7	73	4	38	4	28	-	32	-	-	
100	101	10	7	106	7	57	4	40	-	44	-	-	
101	96	10	7	6	-	4	-	2	-	2	-	-	
102	55	10	7	60	3	26	7	27	-	34	-	-	
103	100	10	7	56	4	31	2	19	-	21	-	-	
104	133	10	7	58	3	31	2	22	-	24	-	-	
105	70	10	7	60	3	34	1	23	-	24	-	-	
106	20	10	7	65	4	30	6	27	-	33	-	-	
107	64	10	7	47	3	24	2	18	-	20	-	-	
108	18	10	7	59	4	30	4	22	-	26	-	-	
109	25	10	7	54	4	31	1	18	-	19	-	-	
110	92	10	7	69	4	41	1	23	-	24	-	-	
111	31	10	7	54	3	29	3	20	-	23	-	-	
112	42	10	7	49	3	26	3	18	-	21	-	-	
113	50	10	7	39	2	20	2	15	-	17	-	-	
114	135	10	7	39	2	20	2	15	-	17	-	-	
115	82	10	7	36	2	19	1	14	-	15	-	-	
116	79	10	7	39	2	21	2	14	-	16	-	-	
117	19	10	7	47	3	27	1	16	-	17	-	-	
118	26	10	7	36	3	20	1	12	-	13	-	-	
119	66	10	7	32	2	19	1	10	-	11	-	-	
120	63	10	7	39	3	22	1	13	-	14	-	-	
121	9	10	7	32	2	18	1	11	-	12	-	-	
122	3	10	7	31	2	16	1	12	-	13	-	-	
123	84	10	7	15	1	9	-	5	-	5	-	-	
124	134	10	7	34	-	20	-	14	-	14	-	-	
125	114	10	7	1	-	1	-	-	-	-	-	-	
126	115	10	7	20	1	10	1	8	-	9	-	-	

North Yorkshire Sample Sites QUADRO Results Summary										
Base Off Peak										
Urgent										
Average	5	103	6	57	5	37	0	42	-	-
No. of Works		90	90	90	90	90	90	90	90	90
Cost of Congestion	£	9,287	558	5,094	444	3,348	33	3,825	-	-

North Yorkshire Sample Sites QUADRO Results Summary										
Base Off Peak										
Urgent										
Average	5	82	5	45	4	30	0	34	-	-
No. of Works		90	90	90	90	90	90	90	90	90
Cost of Congestion	£	7,355	440	4,012	354	2,663	23	3,041	-	-

North Yorkshire Sample Sites QUADRO Results Summary													
Future Peak													
Major													
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
1	65	200	23	66766	3263	33800	4432	27597	59	32088	0	-151	
2	112	200	22	34552	1326	20532	616	12597	50	13263	0	-154	
3	80	200	22	23021	1502	12798	1025	8247	44	9315	0	3	
4	71	200	17	13940	886	7645	617	5098	63	5778	0	0	
5	62	200	17	12333	636	6851	381	4677	19	5078	0	0	
6	134	200	17	9576	576	5226	430	3560	36	4027	0	0	
7	29	200	17	7822	500	4136	401	2985	34	3419	0	0	
8	70	200	13	4962	273	2801	139	1832	4	1975	0	0	
9	82	200	13	3226	215	1759	124	1198	6	1328	0	0	
10	48	200	13	1187	80	667	37	420	7	464	0	0	
11	128	100	23	50175	2435	33948	1718	13086	138	14943	0	-115	
12	95	100	22	12053	871	7845	685	2973	79	3737	0	0	
13	22	100	17	6332	410	4197	282	1591	17	1890	0	0	
14	39	100	13	3119	193	2068	137	789	9	936	0	0	
15	79	100	13	1361	102	854	102	351	6	459	0	0	
16	128	50	23	73809	1009	15618	710	59	10843	27469	-95	27374	
17	68	50	22	19533	402	3595	575	31	3375	7373	0	7373	
18	52	50	17	9008	194	1744	153	24	1406	3344	0	3344	
19	60	50	13	5206	98	1128	37	15	667	1893	0	1893	
20	19	50	13	2110	52	446	24	6	282	780	0	780	
21	52	30	17	1967	117	1054	92	743	15	850	0	0	
22	47	10	22	6110	273	3515	189	2199	50	2438	0	0	
23	35	10	17	2533	146	1251	202	1030	5	1236	0	0	
24	61	10	17	1676	85	953	56	606	7	669	0	0	
25	79	10	13	496	32	262	32	184	2	217	0	0	
Average			17	14,915	627	6,988	528	3,676	689	5,799	-	4	1,614
No. of Works				90	90	90	90	90	90	90		90	90
Cost of Congestion	£			1,334,878	56,124	625,395	47,243	328,992	61,663	518,990	-	341	144,444

North Yorkshire Sample Sites QUADRO Results Summary													
Future Peak													
Major													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
1	65	200	13	37,737	1,844	19,104	2,505	15,598	33	18,137	-	-	85
2	112	200	13	20,417	784	12,132	364	7,443	30	7,837	-	-	91
3	80	200	13	13,604	888	7,562	605	4,873	26	5,505	-	-	2
4	71	200	17	13,940	886	7,645	617	5,098	63	5,778	-	-	-
5	62	200	17	12,333	636	6,851	381	4,677	19	5,078	-	-	-
6	134	200	17	9,576	576	5,226	430	3,560	36	4,027	-	-	-
7	29	200	17	7,822	500	4,136	401	2,985	34	3,419	-	-	-
8	70	200	22	8,397	462	4,741	236	3,100	6	3,342	-	-	-
9	82	200	22	5,459	365	2,976	211	2,027	9	2,247	-	-	-
10	48	200	23	2,100	141	1,180	66	743	13	821	-	-	-
11	128	100	13	28,360	1,376	19,188	971	7,397	78	8,446	-	-	65
12	95	100	13	7,122	514	4,635	405	1,757	46	2,208	-	-	-
13	22	100	17	6,332	410	4,197	282	1,591	17	1,890	-	-	-
14	39	100	22	5,278	327	3,500	233	1,335	16	1,583	-	-	-
15	79	100	23	2,408	181	1,511	181	621	10	812	-	-	-
16	128	50	13	41,718	570	8,827	401	33	6,129	15,526	-	54	15,472
17	68	50	13	11,542	238	2,125	340	19	1,995	4,357	-	-	4,357
18	52	50	17	9,008	194	1,744	153	24	1,406	3,344	-	-	3,344
19	60	50	22	8,809	167	1,908	63	25	1,129	3,204	-	-	3,204
20	19	50	23	3,733	92	789	43	10	499	1,380	-	-	1,380
21	52	30	17	1,967	117	1,054	92	743	15	850	-	-	-
22	47	10	13	3,610	162	2,077	111	1,299	30	1,440	-	-	-
23	35	10	17	2,533	146	1,251	202	1,030	5	1,236	-	-	-
24	61	10	17	1,676	85	953	56	606	7	669	-	-	-
25	79	10	22	839	53	443	53	311	3	368	-	-	-
Average			17	10,653	469	5,030	376	2,676	466	4,140	-	2	1,101
No. of Works				90	90	90	90	90	90	90	-	90	90
Cost of Congestion			£	953,427	41,935	450,207	33,655	239,524	41,726	370,546	-	193	98,513

North Yorkshire Sample Sites QUADRO Results Summary												
Future Peak												
Standard												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
1	30	200	15	108332	5666	57534	6651	41597	388	48636	0	-9
2	78	200	12	16008	989	9430	526	5246	195	5967	0	2
3	89	200	9	9812	507	5133	545	3894	22	4461	0	1
4	6	200	9	5813	379	3273	192	2067	31	2290	0	0
5	61	200	9	5403	279	3075	181	1955	26	2162	0	0
6	100	200	5	1720	119	956	67	618	0	685	0	0
7	113	200	4	1025	54	571	29	387	2	418	0	0
8	111	100	15	30754	1749	19517	2186	8451	96	10734	0	-105
9	93	100	12	6662	394	4478	233	1683	12	1928	0	0
10	86	100	9	3304	253	2166	162	810	10	982	0	0
11	124	100	9	2340	171	1439	203	625	5	833	0	0
12	44	100	5	1000	78	644	59	251	2	311	0	0
13	82	100	4	426	34	280	20	103	1	124	0	0
14	111	50	15	45898	744	9086	921	43	7412	17241	-81	17160
15	95	50	12	11139	242	2187	190	22	1689	4118	0	4118
16	22	50	9	5613	111	1134	76	5	831	2075	0	2075
17	137	50	5	1787	43	353	21	1	258	654	0	654
18	79	50	4	703	16	134	16	1	111	261	0	261
19	52	30	9	1041	62	558	49	393	8	450	0	0
20	88	10	15	10881	394	6560	223	3826	62	4111	0	-32
21	99	10	15	6469	272	3783	180	2325	32	2537	0	-11
22	81	10	15	4324	261	2331	287	1586	4	1877	0	0
23	24	10	15	4166	255	2466	105	1382	39	1526	0	0
24	54	10	15	3658	197	1813	257	1506	15	1779	0	0
25	112	10	12	2777	139	1627	62	985	5	1052	0	0
26	67	10	12	2191	129	1183	111	816	15	943	0	0
27	131	10	12	2119	125	1142	113	789	14	915	0	0
28	123	10	12	2339	123	1325	93	839	12	944	0	0
29	35	10	12	1788	103	883	142	727	3	873	0	0
30	106	10	9	1216	75	643	72	462	4	537	0	0
31	7	10	9	1271	69	736	32	449	6	488	0	0
32	52	10	9	1041	62	558	49	393	8	450	0	0
33	62	10	9	1075	54	597	33	409	1	444	0	0
34	1	10	9	845	50	489	26	289	8	323	0	0
35	110	10	5	547	27	303	21	206	1	228	0	0
36	104	10	5	426	24	206	32	179	2	213	0	0
37	32	10	5	345	23	190	11	128	0	139	0	0
38	44	10	5	366	24	198	18	136	1	154	0	0
39	87	10	5	362	19	214	10	122	3	135	0	0
40	100	10	4	219	15	122	9	78	0	87	0	0
41	18	10	4	192	11	99	14	74	0	87	0	0
42	50	10	4	180	11	89	12	74	1	86	0	0

North Yorkshire Sample Sites QUADRO Results Summary												
Future Peak												
Standard												
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
1	30	200	4	28,889	1,511	15,342	1,774	11,093	103	12,970	-	2
2	78	200	5	6,670	412	3,929	219	2,186	81	2,486	-	1
3	89	200	9	9,812	507	5,133	545	3,894	22	4,461	-	1
4	6	200	9	5,813	379	3,273	192	2,067	31	2,290	-	-
5	61	200	9	5,403	279	3,075	181	1,955	26	2,162	-	-
6	100	200	12	4,128	285	2,295	161	1,483	-	1,644	-	-
7	113	200	15	3,843	201	2,142	109	1,453	6	1,569	-	-
8	111	100	4	8,201	466	5,205	583	2,254	26	2,862	-	28
9	93	100	5	2,776	164	1,866	97	701	5	803	-	-
10	86	100	9	3,304	253	2,166	162	810	10	982	-	-
11	124	100	9	2,340	171	1,439	203	625	5	833	-	-
12	44	100	12	2,400	187	1,545	141	602	5	747	-	-
13	82	100	15	1,599	129	1,050	75	386	4	465	-	-
14	111	50	4	12,239	198	2,423	246	11	1,977	4,598	22	4,576
15	95	50	5	4,641	101	911	79	9	704	1,716	-	1,716
16	22	50	9	5,613	111	1,134	76	5	831	2,075	-	2,075
17	137	50	12	4,289	103	847	50	2	619	1,569	-	1,569
18	79	50	15	2,638	60	501	60	4	418	979	-	979
19	52	30	9	1,041	62	558	49	393	8	450	-	-
20	88	10	4	2,902	105	1,749	59	1,020	17	1,096	-	9
21	99	10	4	1,725	73	1,009	48	620	9	676	-	3
22	81	10	4	1,153	70	622	77	423	1	501	-	-
23	24	10	4	1,111	68	658	28	369	10	407	-	-
24	54	10	5	1,219	66	604	86	502	5	593	-	-
25	112	10	5	1,157	58	678	26	411	2	438	-	-
26	67	10	5	913	54	493	46	340	6	393	-	-
27	131	10	5	883	52	476	47	329	6	381	-	-
28	123	10	5	975	51	552	39	350	5	393	-	-
29	35	10	9	1,341	77	662	107	545	3	654	-	-
30	106	10	9	1,216	75	643	72	462	4	537	-	-
31	7	10	9	1,271	69	736	32	449	6	488	-	-
32	52	10	9	1,041	62	558	49	393	8	450	-	-
33	62	10	9	1,075	54	597	33	409	1	444	-	-
34	1	10	12	1,126	67	651	34	386	10	430	-	-
35	110	10	12	1,313	65	728	50	494	3	547	-	-
36	104	10	12	1,023	57	495	77	429	5	511	-	-
37	32	10	12	828	55	456	26	307	-	333	-	-
38	44	10	12	879	57	475	43	326	2	370	-	-
39	87	10	15	1,085	58	643	30	365	9	404	-	-
40	100	10	15	821	56	456	32	294	-	326	-	-
41	18	10	15	720	43	373	51	276	-	328	-	-
42	50	10	15	675	41	332	45	276	2	324	-	-

North Yorkshire Sample Sites QUADRO Results Summary													
Future Peak													
Standard													
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
43	26	10	4	149	10	85	6	50	1	57	0	0	
Average			9	7,156	334	3,479	331	2,000	264	2,891	-	2	561
No. of Works				154	154	154	154	154	154	154	154	154	154
Cost of Congestion			£	1,102,093	51,430	535,743	51,015	307,932	40,602	445,219	-	292	86,363

North Yorkshire Sample Sites QUADRO Results Summary													
Future Peak													
Standard													
Sample	Ref	Length	2	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
43	26	10	15	557	39	319	21	186	4	212	-	-	
Average			9	3,317	164	1,623	143	928	116	1,323	-	1	253
No. of Works			154	154	154	154	154	154	154	154	154	154	154
Cost of Congestion			£	510,883	25,238	249,985	22,061	142,869	17,903	203,773	-	78	38,949

North Yorkshire												
Future Peak												
Minor with Excavation												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
1	34	100	4	2497	167	1481	270	706	5	981	0	0
2	22	100	3	1117	72	741	50	281	3	334	0	0
3	64	100	2	266	21	173	16	65	1	82	0	0
4	75	50	4	17959	268	3762	173	25	2668	6697	-5	6693
5	33	50	4	5013	97	1022	64	1	733	1852	0	1852
6	73	50	3	2191	49	422	45	1	340	811	0	811
7	2	50	3	1526	37	313	16	1	202	552	0	552
8	110	50	2	992	18	200	14	1	151	369	0	369
9	87	50	2	663	13	141	7	2	88	242	0	242
10	26	50	2	346	8	71	5	1	47	125	0	125
11	40	10	4	6489	268	3631	226	2476	25	2727	0	-5
12	75	10	4	3592	141	2069	90	1340	13	1443	0	-5
13	88	10	4	2902	105	1749	59	1020	17	1096	0	-9
14	30	10	4	4506	237	2403	265	1729	16	2010	0	-1
15	43	10	4	1825	103	1070	47	639	2	688	0	-5
16	111	10	4	2155	95	1189	113	825	5	943	0	-12
17	21	10	4	2147	111	1214	81	785	9	875	0	-5
18	99	10	4	1725	73	1009	48	620	9	676	0	-3
19	128	10	4	2294	82	1344	57	850	5	912	0	-10
20	11	10	4	1181	71	667	42	421	5	468	0	0
21	46	10	4	1885	24	1055	66	809	2	877	0	-38
22	65	10	4	1158	66	593	77	460	1	538	0	0
23	81	10	4	1153	70	622	77	423	1	501	0	0
24	47	10	4	1111	50	639	34	400	9	443	0	0
25	16	10	4	1194	59	636	69	462	3	534	0	0
26	117	10	4	915	46	540	21	319	2	342	0	0
27	34	10	4	950	51	457	83	396	2	481	0	0
28	24	10	4	1111	68	658	28	369	10	407	0	0
29	132	10	4	1031	67	615	31	333	6	370	0	0
30	119	10	4	994	56	498	70	403	2	475	0	0
31	33	10	4	1099	59	619	39	404	1	444	0	0
32	120	10	4	1000	62	567	38	351	5	393	0	0
33	54	10	4	975	53	483	69	402	4	474	0	0
34	49	10	4	1015	51	593	26	353	11	390	0	0
35	78	10	4	862	53	508	28	283	10	321	0	0
36	76	10	4	1013	51	553	53	381	3	437	0	0
37	10	10	4	815	35	376	92	351	3	446	0	0
38	112	10	4	926	46	542	21	328	2	351	0	0
39	129	10	4	835	52	468	34	297	4	335	0	0
40	107	10	4	951	47	547	29	341	6	376	0	0
41	95	10	3	606	36	331	29	223	3	255	0	0
42	68	10	3	585	33	297	47	229	3	279	0	0

North Yorkshire Sample Sites QUADRO Results Summary													
Future Peak													
Minor with Excavation													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
1	34	100	2	1,249	83	740	135	353	3	491	-	-	
2	22	100	3	1,117	72	741	50	281	3	334	-	-	
3	64	100	4	533	41	345	32	130	2	165	-	-	
4	75	50	2	8,979	134	1,881	86	13	1,334	3,349	2	3,346	
5	33	50	2	2,507	49	511	32	1	367	926	-	926	
6	73	50	2	1,461	33	281	30	1	227	541	-	541	
7	2	50	3	1,526	37	313	16	1	202	552	-	552	
8	110	50	3	1,488	27	300	21	2	227	554	-	554	
9	87	50	4	1,325	25	283	13	3	176	484	-	484	
10	26	50	4	693	17	141	10	2	93	251	-	251	
11	40	10	1	1,622	67	908	57	619	6	682	-	1	
12	75	10	1	898	35	517	22	335	3	361	-	1	
13	88	10	1	725	26	437	15	255	4	274	-	2	
14	30	10	1	1,127	59	601	66	432	4	502	-	0	
15	43	10	1	456	26	268	12	160	0	172	-	1	
16	111	10	1	539	24	297	28	206	1	236	-	3	
17	21	10	1	537	28	303	20	196	2	219	-	1	
18	99	10	1	431	18	252	12	155	2	169	-	1	
19	128	10	1	574	21	336	14	213	1	228	-	3	
20	11	10	1	295	18	167	10	105	1	117	-	-	
21	46	10	1	471	6	264	17	202	1	219	-	10	
22	65	10	1	290	17	148	19	115	0	134	-	-	
23	81	10	1	288	17	155	19	106	0	125	-	-	
24	47	10	1	278	12	160	9	100	2	111	-	-	
25	16	10	1	298	15	159	17	116	1	133	-	-	
26	117	10	1	229	12	135	5	80	1	85	-	-	
27	34	10	1	237	13	114	21	99	0	120	-	-	
28	24	10	1	278	17	164	7	92	3	102	-	-	
29	132	10	1	258	17	154	8	83	1	93	-	-	
30	119	10	1	248	14	124	18	101	0	119	-	-	
31	33	10	1	275	15	155	10	101	0	111	-	-	
32	120	10	1	250	16	142	9	88	1	98	-	-	
33	54	10	1	244	13	121	17	100	1	119	-	-	
34	49	10	2	507	25	297	13	177	5	195	-	-	
35	78	10	2	431	26	254	14	141	5	161	-	-	
36	76	10	2	507	26	276	26	191	2	219	-	-	
37	10	10	2	407	17	188	46	176	1	223	-	-	
38	112	10	2	463	23	271	10	164	1	175	-	-	
39	129	10	2	417	26	234	17	149	2	167	-	-	
40	107	10	2	475	23	273	15	170	3	188	-	-	
41	95	10	2	404	24	221	19	149	2	170	-	-	
42	68	10	2	390	22	198	31	153	2	186	-	-	

North Yorkshire												
Future Peak												
Minor with Excavation												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
43	67	10	3	548	32	296	28	204	4	236	0	0
44	93	10	3	589	30	350	18	200	1	219	0	0
45	23	10	3	602	30	351	17	212	2	232	0	0
46	97	10	3	644	34	380	14	224	2	240	0	0
47	85	10	3	572	28	345	12	192	5	209	0	0
48	131	10	3	530	31	285	28	197	3	229	0	0
49	80	10	3	506	33	281	22	181	1	204	0	0
50	73	10	3	477	30	255	28	178	0	206	0	0
51	90	10	3	470	28	235	43	184	0	228	0	0
52	136	10	3	498	29	260	30	193	2	225	0	0
53	123	10	3	585	31	331	23	210	3	236	0	0
54	108	10	3	467	30	266	13	165	3	181	0	0
55	89	10	3	528	27	276	29	210	1	240	0	0
56	59	10	3	520	26	293	20	191	1	211	0	0
57	41	10	3	466	28	252	24	173	3	199	0	0
58	35	10	3	447	26	221	36	182	1	218	0	0
59	86	10	3	405	26	223	16	148	1	166	0	0
60	91	10	3	409	24	210	27	160	1	188	0	0
61	122	10	3	490	26	299	10	159	3	172	0	0
62	13	10	3	443	20	254	12	160	6	178	0	0
63	106	10	3	405	25	214	24	154	1	179	0	0
64	126	10	3	398	24	207	23	156	2	180	0	0
65	45	10	3	446	22	250	16	166	1	183	0	0
66	71	10	3	394	25	216	17	144	2	163	0	0
67	103	10	3	375	24	203	20	138	1	159	0	0
68	7	10	3	424	23	245	11	150	2	163	0	0
69	36	10	3	348	21	179	24	135	1	161	0	0
70	118	10	3	352	21	182	21	138	2	160	0	0
71	2	10	2	218	15	126	7	75	1	82	0	0
72	22	10	0	0	0	0	0	0	0	0	0	0
73	52	10	2	231	14	124	11	87	2	100	0	0
74	77	10	2	207	12	101	18	85	0	103	0	0
75	6	10	2	207	13	116	7	74	1	82	0	0
76	116	10	2	256	12	132	11	107	0	119	0	0
77	37	10	2	195	12	116	6	64	1	71	0	0
78	62	10	2	239	12	133	7	91	0	99	0	0
79	56	10	2	198	12	104	14	74	0	89	0	0
80	125	10	2	201	13	107	10	76	1	87	0	0
81	124	10	2	197	12	99	14	79	0	93	0	0
82	98	10	2	195	12	107	12	69	1	82	0	0
83	1	10	2	188	11	109	6	64	2	72	0	0
84	121	10	2	193	11	97	14	77	0	92	0	0

North Yorkshire Sample Sites QUADRO Results Summary													
Future Peak													
Minor with Excavation													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
43	67	10	2	365	21	197	19	136	3	157	-	-	
44	93	10	2	393	20	233	12	133	1	146	-	-	
45	23	10	2	401	20	234	11	142	1	154	-	-	
46	97	10	2	429	23	253	9	149	1	160	-	-	
47	85	10	2	381	19	230	8	128	3	139	-	-	
48	131	10	2	353	21	190	19	131	2	153	-	-	
49	80	10	2	337	22	187	15	121	1	136	-	-	
50	73	10	2	318	20	170	19	119	0	137	-	-	
51	90	10	2	313	19	157	29	123	-	152	-	-	
52	136	10	2	332	19	173	20	129	1	150	-	-	
53	123	10	2	390	21	221	15	140	2	157	-	-	
54	108	10	2	311	20	177	9	110	2	121	-	-	
55	89	10	2	352	18	184	19	140	1	160	-	-	
56	59	10	2	346	17	195	13	127	1	141	-	-	
57	41	10	2	311	19	168	16	115	2	133	-	-	
58	35	10	2	298	17	147	24	121	1	145	-	-	
59	86	10	2	270	17	149	11	99	1	111	-	-	
60	91	10	2	273	16	140	18	107	1	125	-	-	
61	122	10	2	326	17	200	7	106	2	115	-	-	
62	13	10	2	295	13	169	8	107	4	119	-	-	
63	106	10	2	270	17	143	16	103	1	119	-	-	
64	126	10	2	265	16	138	15	104	1	120	-	-	
65	45	10	2	297	15	167	11	111	1	122	-	-	
66	71	10	2	263	17	144	11	96	1	109	-	-	
67	103	10	2	250	16	135	13	92	1	106	-	-	
68	7	10	2	282	15	164	7	100	1	108	-	-	
69	36	10	2	232	14	119	16	90	1	107	-	-	
70	118	10	2	235	14	121	14	92	1	107	-	-	
71	2	10	2	218	15	126	7	75	1	82	-	-	
72	22	10	2	273	15	152	10	101	1	112	-	-	
73	52	10	2	231	14	124	11	87	2	100	-	-	
74	77	10	2	207	12	101	18	85	0	103	-	-	
75	6	10	2	207	13	116	7	74	1	82	-	-	
76	116	10	2	256	12	132	11	107	0	119	-	-	
77	37	10	2	195	12	116	6	64	1	71	-	-	
78	62	10	3	358	18	199	11	136	0	148	-	-	
79	56	10	3	297	18	156	21	111	0	133	-	-	
80	125	10	3	301	19	160	15	114	1	130	-	-	
81	124	10	3	295	18	148	21	119	0	140	-	-	
82	98	10	3	292	18	160	18	104	2	123	-	-	
83	1	10	3	282	17	163	9	96	3	108	-	-	
84	121	10	3	290	17	146	21	116	0	138	-	-	

North Yorkshire Sample Sites QADRO Results Summary												
Future Peak												
Minor with Excavation												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
85	72	10	2	183	12	103	10	63	1	74	0	0
86	5	10	2	187	13	106	9	64	0	74	0	0
87	51	10	2	221	12	134	4	73	1	79	0	0
88	110	10	2	219	11	121	8	82	1	91	0	0
89	102	10	2	185	12	104	8	65	1	74	0	0
90	74	10	2	183	11	95	9	72	1	83	0	0
91	105	10	2	177	11	89	13	71	0	84	0	0
92	61	10	2	197	10	112	7	71	1	79	0	0
93	104	10	2	171	9	83	13	71	1	85	0	0
94	17	10	2	201	11	114	6	73	1	80	0	0
95	27	10	2	153	10	85	6	55	1	62	0	0
96	130	10	2	158	10	88	7	57	1	65	0	0
97	39	10	2	174	9	99	7	63	0	70	0	0
98	32	10	2	138	9	76	4	51	0	55	0	0
99	137	10	2	155	10	85	5	57	0	63	0	0
100	60	10	2	175	9	105	4	58	1	63	0	0
101	4	10	2	159	10	93	5	52	2	59	0	0
102	29	10	2	147	9	78	7	56	1	64	0	0
103	44	10	2	147	9	79	7	54	0	62	0	0
104	38	10	2	145	9	76	10	54	0	65	0	0
105	113	10	2	159	8	89	5	60	0	65	0	0
106	127	10	2	132	9	77	4	43	1	49	0	0
107	83	10	2	116	6	47	21	52	0	73	0	0
108	87	10	2	145	8	86	4	49	1	54	0	0
109	28	10	2	148	8	79	9	56	0	66	0	0
110	101	10	2	103	7	56	4	39	0	43	0	0
111	96	10	2	119	6	73	3	38	1	41	0	0
112	55	10	2	111	5	47	13	50	1	64	0	0
113	100	10	2	109	7	61	4	39	0	43	0	0
114	133	10	2	126	7	70	5	48	0	53	0	0
115	70	10	1	62	3	35	2	23	0	25	0	0
116	20	10	1	50	3	23	5	21	0	26	0	0
117	64	10	1	52	3	27	2	21	0	23	0	0
118	18	10	1	48	3	25	3	18	0	22	0	0
119	25	10	1	49	3	28	1	17	0	18	0	0
120	92	10	1	53	3	32	1	17	0	18	0	0
121	31	10	1	45	3	24	3	16	0	19	0	0
122	42	10	1	44	3	23	3	17	0	20	0	0
123	50	10	1	45	3	22	3	18	0	22	0	0
124	135	10	1	41	2	21	3	16	0	19	0	0
125	82	10	1	40	3	22	2	15	0	16	0	0
126	79	10	1	38	2	20	2	14	0	17	0	0

North Yorkshire Sample Sites QUADRO Results Summary													
Future Peak													
Minor with Excavation													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
85	72	10	3	275	18	154	15	95	1	111	-	-	
86	5	10	3	281	19	159	14	96	0	111	-	-	
87	51	10	3	332	18	201	6	110	2	118	-	-	
88	110	10	3	328	16	182	12	123	1	137	-	-	
89	102	10	3	278	18	156	12	98	1	111	-	-	
90	74	10	3	275	16	143	14	108	2	124	-	-	
91	105	10	3	265	16	133	19	106	0	126	-	-	
92	61	10	3	296	15	168	10	107	1	118	-	-	
93	104	10	3	256	14	124	19	107	1	128	-	-	
94	17	10	3	302	16	171	9	110	2	120	-	-	
95	27	10	3	230	15	128	9	82	2	93	-	-	
96	130	10	3	237	15	132	10	85	2	97	-	-	
97	39	10	3	262	14	149	10	94	0	104	-	-	
98	32	10	3	207	14	114	6	77	-	83	-	-	
99	137	10	3	233	15	128	8	86	-	94	-	-	
100	60	10	3	262	14	158	6	86	2	94	-	-	
101	4	10	3	239	15	140	8	78	3	89	-	-	
102	29	10	3	221	14	117	11	84	1	96	-	-	
103	44	10	3	220	14	119	11	81	0	93	-	-	
104	38	10	3	218	14	114	15	81	0	97	-	-	
105	113	10	3	239	12	133	7	90	0	97	-	-	
106	127	10	3	198	13	116	6	65	2	73	-	-	
107	83	10	3	174	9	70	31	78	0	109	-	-	
108	87	10	4	289	15	171	8	97	2	108	-	-	
109	28	10	4	295	16	157	19	112	-	131	-	-	
110	101	10	4	206	13	111	7	78	1	86	-	-	
111	96	10	4	238	13	146	5	76	2	83	-	-	
112	55	10	4	222	11	95	27	100	1	128	-	-	
113	100	10	4	219	15	122	9	78	-	87	-	-	
114	133	10	4	253	13	140	9	95	1	105	-	-	
115	70	10	4	250	14	141	7	93	-	99	-	-	
116	20	10	4	199	11	92	20	85	1	105	-	-	
117	64	10	4	206	13	106	10	82	1	93	-	-	
118	18	10	4	192	11	99	14	74	-	87	-	-	
119	25	10	4	197	14	114	6	66	1	73	-	-	
120	92	10	4	210	13	128	5	68	1	74	-	-	
121	31	10	4	179	11	97	10	65	1	76	-	-	
122	42	10	4	177	11	93	10	67	1	78	-	-	
123	50	10	4	180	11	89	12	74	1	86	-	-	
124	135	10	4	165	9	84	11	66	1	78	-	-	
125	82	10	4	159	10	86	6	59	1	66	-	-	
126	79	10	4	153	10	81	10	57	1	67	-	-	

North Yorkshire Sample Sites QUADRO Results Summary													
Future Peak													
Minor with Excavation													
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
127	19	10	1	35	2	21	1	12	0	13	0	0	
128	26	10	1	37	3	21	1	12	0	14	0	0	
129	66	10	1	36	2	21	1	12	0	14	0	0	
130	63	10	1	35	2	20	1	12	0	13	0	0	
131	9	10	1	34	2	19	1	12	0	13	0	0	
132	3	10	1	33	2	17	2	13	0	15	0	0	
133	84	10	1	23	1	14	1	7	1	9	0	0	
134	134	10	1	22	0	13	0	9	0	9	0	0	
135	114	10	1	17	1	9	1	7	0	7	0	0	
136	115	10	1	19	1	10	1	7	0	9	0	0	
137	14	10	1	23	1	13	1	9	0	9	0	0	
Average		3		768	32	356	27	205	33	310	-	0	77
No. of Works				492	492	492	492	492	492	492		492	492
Cost of Congestion				378,011	15,857	175,200	13,468	100,895	16,255	152,396	-	16	37,899

North Yorkshire Sample Sites QUADRO Results Summary												
Future Peak												
Minor with Excavation												
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
127	19	10	4	142	10	83	5	46	1	52	-	-
128	26	10	4	149	10	85	6	50	1	57	-	-
129	66	10	4	145	10	83	6	49	1	55	-	-
130	63	10	4	139	10	80	4	47	-	51	-	-
131	9	10	4	134	9	75	5	47	1	53	-	-
132	3	10	4	132	8	67	7	53	1	60	-	-
133	84	10	4	93	5	55	3	29	2	35	-	-
134	134	10	4	87	-	51	1	35	-	35	-	-
135	114	10	4	69	4	38	2	26	-	28	-	-
136	115	10	4	75	5	38	5	30	-	34	-	-
137	14	10	4	94	5	52	3	34	1	38	-	-
Average			3	434	19	196	16	110	20	174	-	48
No. of Works				492	492	492	492	492	492	492	492	492
Cost of Congestion			£	213,308	9,361	96,253	7,737	54,005	10,030	85,418	-	23,814

North Yorkshire Sample Sites QUADRO Results Summary												
Future Peak												
Urgent												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
1	40	10	7	11355	469	6354	396	4333	43	4772	0	-8
2	75	10	7	6285	247	3620	157	2345	23	2525	0	-8
3	88	10	7	5078	184	3061	104	1786	29	1919	0	-15
4	30	10	7	7886	414	4206	463	3026	28	3517	0	-2
5	43	10	7	3194	181	1873	83	1118	3	1204	0	-8
6	111	10	7	3772	167	2080	198	1443	9	1650	0	-21
7	21	10	7	3757	195	2124	142	1374	16	1532	0	-8
8	99	10	7	3019	127	1765	84	1085	15	1184	0	-5
9	128	10	7	4015	144	2352	99	1488	9	1596	0	-18
10	11	10	7	2066	125	1167	73	737	9	819	0	0
11	46	10	7	3299	42	1847	116	1415	4	1535	0	-67
12	65	10	7	2027	116	1038	134	805	2	941	0	0
13	81	10	7	2018	122	1088	134	740	2	876	0	0
14	47	10	7	1944	87	1118	60	700	16	776	0	0
15	16	10	7	2089	103	1114	120	809	5	934	0	0
16	117	10	7	1601	81	946	36	558	4	598	0	0
17	34	10	7	1662	90	800	146	693	3	842	0	0
18	24	10	7	1944	119	1151	49	645	18	712	0	0
19	132	10	7	1805	117	1077	55	583	10	648	0	0
20	119	10	7	1739	98	871	123	706	3	832	0	0
21	33	10	7	1923	103	1082	68	707	2	777	0	0
22	120	10	7	1750	109	993	66	614	8	688	0	0
23	54	10	7	1707	92	846	120	703	7	830	0	0
24	49	10	7	1776	89	1038	46	618	19	683	0	0
25	78	10	7	1508	92	889	49	495	18	562	0	0
26	76	10	7	1773	90	967	92	667	6	765	0	0
27	10	10	7	1426	61	659	161	614	5	780	0	0
28	112	10	7	1620	81	949	36	575	3	614	0	0
29	129	10	7	1461	91	819	59	520	7	586	0	0
30	107	10	7	1664	82	956	51	596	11	658	0	0
31	95	10	6	1415	85	772	67	521	8	596	0	0
32	68	10	6	1365	77	693	110	534	6	650	0	0
33	67	10	6	1095	64	591	56	408	8	471	0	0
34	93	10	6	1178	61	700	36	400	2	438	0	0
35	23	10	6	1203	60	701	34	425	4	463	0	0
36	97	10	6	1287	69	759	27	447	4	479	0	0
37	85	10	6	1144	56	689	24	384	9	417	0	0
38	131	10	6	1059	63	571	57	394	7	458	0	0
39	80	10	6	1011	65	562	45	363	2	409	0	0
40	73	10	6	954	60	511	56	356	1	412	0	0
41	90	10	6	940	56	471	87	369	0	455	0	0
42	136	10	6	997	58	520	61	386	4	451	0	0

North Yorkshire Sample Sites QUADRO Results Summary												
Future Peak												
Urgent												
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
1	40	10	3	4,867	201	2,723	170	1,857	18	2,045	-	3
2	75	10	3	2,694	106	1,552	67	1,005	10	1,082	-	3
3	88	10	3	2,176	79	1,312	45	765	12	822	-	6
4	30	10	3	3,380	177	1,803	198	1,297	12	1,507	-	1
5	43	10	3	1,369	78	803	36	479	1	516	-	3
6	111	10	3	1,617	72	891	85	618	4	707	-	9
7	21	10	4	2,147	111	1,214	81	785	9	875	-	5
8	99	10	4	1,725	73	1,009	48	620	9	676	-	3
9	128	10	4	2,294	82	1,344	57	850	5	912	-	10
10	11	10	4	1,181	71	667	42	421	5	468	-	-
11	46	10	4	1,885	24	1,055	66	809	2	877	-	38
12	65	10	4	1,158	66	593	77	460	1	538	-	-
13	81	10	4	1,153	70	622	77	423	1	501	-	-
14	47	10	4	1,111	50	639	34	400	9	443	-	-
15	16	10	4	1,194	59	636	69	462	3	534	-	-
16	117	10	4	915	46	540	21	319	2	342	-	-
17	34	10	4	950	51	457	83	396	2	481	-	-
18	24	10	4	1,111	68	658	28	369	10	407	-	-
19	132	10	4	1,031	67	615	31	333	6	370	-	-
20	119	10	4	994	56	498	70	403	2	475	-	-
21	33	10	4	1,099	59	619	39	404	1	444	-	-
22	120	10	4	1,000	62	567	38	351	5	393	-	-
23	54	10	4	975	53	483	69	402	4	474	-	-
24	49	10	4	1,015	51	593	26	353	11	390	-	-
25	78	10	4	862	53	508	28	283	10	321	-	-
26	76	10	4	1,013	51	553	53	381	3	437	-	-
27	10	10	4	815	35	376	92	351	3	446	-	-
28	112	10	4	926	46	542	21	328	2	351	-	-
29	129	10	4	835	52	468	34	297	4	335	-	-
30	107	10	4	951	47	547	29	341	6	376	-	-
31	95	10	4	809	49	441	38	298	5	341	-	-
32	68	10	4	780	44	396	63	305	3	371	-	-
33	67	10	4	730	43	394	37	272	5	314	-	-
34	93	10	4	785	41	467	24	267	1	292	-	-
35	23	10	4	802	40	468	23	283	3	309	-	-
36	97	10	4	858	46	506	18	298	3	319	-	-
37	85	10	5	953	46	574	20	320	8	348	-	-
38	131	10	5	883	52	476	47	329	6	381	-	-
39	80	10	5	843	54	469	37	302	1	341	-	-
40	73	10	5	795	50	426	46	296	1	344	-	-
41	90	10	5	784	46	392	72	307	-	379	-	-
42	136	10	5	831	49	434	51	321	4	376	-	-

North Yorkshire Sample Sites QUADRO Results Summary												
Future Peak												
Urgent												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
43	123	10	6	1169	62	662	46	420	6	472	0	0
44	108	10	6	934	59	532	27	329	6	362	0	0
45	89	10	6	1057	54	552	58	420	3	481	0	0
46	59	10	6	1039	51	586	39	382	2	423	0	0
47	41	10	6	932	56	504	47	345	6	399	0	0
48	35	10	6	894	51	441	71	363	2	436	0	0
49	86	10	6	809	51	446	33	297	3	332	0	0
50	91	10	6	819	49	421	54	320	3	376	0	0
51	122	10	6	979	51	599	20	319	5	344	0	0
52	13	10	6	886	39	508	24	320	12	356	0	0
53	106	10	6	811	50	429	48	308	3	358	0	0
54	126	10	6	796	47	413	45	311	3	360	0	0
55	45	10	6	892	45	500	32	332	2	366	0	0
56	71	10	6	789	50	432	34	289	3	327	0	0
57	103	10	6	749	47	406	40	275	2	317	0	0
58	7	10	6	847	46	491	21	299	4	325	0	0
59	36	10	6	695	41	357	48	271	3	321	0	0
60	118	10	6	705	42	363	41	276	3	321	0	0
61	2	10	5	655	45	378	20	224	2	245	0	0
62	22	10	5	820	45	457	31	303	2	336	0	0
63	52	10	5	579	34	310	27	219	4	250	0	0
64	77	10	5	519	30	252	45	213	1	259	0	0
65	6	10	5	518	34	291	17	184	3	204	0	0
66	116	10	5	641	30	329	29	267	1	297	0	0
67	37	10	5	489	31	291	15	159	3	177	0	0
68	62	10	5	597	30	332	19	227	1	246	0	0
69	56	10	5	494	31	259	35	186	1	221	0	0
70	125	10	5	501	31	266	26	190	1	217	0	0
71	124	10	5	491	29	246	34	198	1	233	0	0
72	98	10	5	486	30	266	30	173	3	206	0	0
73	1	10	5	469	28	271	14	161	4	179	0	0
74	121	10	5	484	29	243	35	194	1	229	0	0
75	72	10	5	459	30	257	24	159	1	184	0	0
76	5	10	5	469	31	265	23	161	1	184	0	0
77	51	10	5	553	29	335	11	183	4	197	0	0
78	110	10	5	547	27	303	21	206	1	228	0	0
79	102	10	5	464	31	260	20	163	1	184	0	0
80	74	10	5	459	26	239	23	181	3	206	0	0
81	105	10	5	442	26	222	31	177	1	209	0	0
82	61	10	5	493	25	280	16	178	2	197	0	0
83	104	10	5	426	24	206	32	179	2	213	0	0
84	17	10	5	503	27	285	14	183	3	200	0	0

North Yorkshire Sample Sites QUADRO Results Summary													
Future Peak													
Urgent													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
43	123	10	5	975	51	552	39	350	5	393	-	-	
44	108	10	5	779	49	444	22	274	5	301	-	-	
45	89	10	5	881	45	460	49	350	2	400	-	-	
46	59	10	5	866	43	489	33	318	1	352	-	-	
47	41	10	5	776	46	420	39	288	5	332	-	-	
48	35	10	5	745	43	368	59	303	1	364	-	-	
49	86	10	5	674	43	371	27	247	2	276	-	-	
50	91	10	5	682	41	351	45	266	2	314	-	-	
51	122	10	5	816	43	499	16	266	4	286	-	-	
52	13	10	5	739	33	423	20	267	10	297	-	-	
53	106	10	5	676	41	357	40	256	2	299	-	-	
54	126	10	5	664	39	344	38	259	3	300	-	-	
55	45	10	5	743	37	417	26	277	1	305	-	-	
56	71	10	5	657	41	360	29	241	3	272	-	-	
57	103	10	5	624	39	339	34	229	1	264	-	-	
58	7	10	5	706	39	409	18	249	4	271	-	-	
59	36	10	5	579	34	298	40	226	2	268	-	-	
60	118	10	5	587	35	303	34	230	3	267	-	-	
61	2	10	5	546	37	315	16	186	1	204	-	-	
62	22	10	5	683	37	381	26	253	1	280	-	-	
63	52	10	5	579	34	310	27	219	4	250	-	-	
64	77	10	5	519	30	252	45	213	1	259	-	-	
65	6	10	5	518	34	291	17	184	3	204	-	-	
66	116	10	5	641	30	329	29	267	1	297	-	-	
67	37	10	6	586	37	349	18	191	3	213	-	-	
68	62	10	6	717	36	398	22	273	1	296	-	-	
69	56	10	6	593	37	311	42	223	1	266	-	-	
70	125	10	6	602	38	320	31	228	2	261	-	-	
71	124	10	6	590	35	296	41	237	1	279	-	-	
72	98	10	6	584	36	320	36	207	3	247	-	-	
73	1	10	6	563	33	326	17	193	5	215	-	-	
74	121	10	6	580	34	291	42	232	1	275	-	-	
75	72	10	6	550	36	309	29	190	2	221	-	-	
76	5	10	6	562	38	318	27	193	1	221	-	-	
77	51	10	6	663	35	402	13	219	4	236	-	-	
78	110	10	6	656	33	364	25	247	2	273	-	-	
79	102	10	6	556	37	312	24	195	2	221	-	-	
80	74	10	6	550	32	286	27	217	3	248	-	-	
81	105	10	6	531	32	267	38	213	1	251	-	-	
82	61	10	6	591	30	336	20	214	3	236	-	-	
83	104	10	6	512	28	248	39	214	3	255	-	-	
84	17	10	6	604	33	343	17	219	3	240	-	-	

North Yorkshire Sample Sites QUADRO Results Summary												
Future Peak												
Urgent												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
85	27	10	5	384	24	214	14	137	3	154	0	0
86	130	10	5	396	25	219	17	141	3	161	0	0
87	39	10	5	436	23	248	16	157	1	174	0	0
88	32	10	5	345	23	190	11	128	0	139	0	0
89	137	10	5	388	26	214	13	144	0	156	0	0
90	60	10	5	436	23	263	9	144	4	157	0	0
91	4	10	4	318	20	186	10	104	5	119	0	0
92	29	10	4	295	18	156	15	113	1	129	0	0
93	44	10	4	293	19	158	14	109	1	123	0	0
94	38	10	4	290	18	153	21	109	1	130	0	0
95	113	10	4	319	17	178	9	120	1	130	0	0
96	127	10	4	264	18	154	8	87	2	97	0	0
97	83	10	4	233	11	94	41	104	1	146	0	0
98	87	10	4	289	15	171	8	97	2	108	0	0
99	28	10	4	295	16	157	19	112	0	131	0	0
100	101	10	4	206	13	111	7	78	1	86	0	0
101	96	10	4	238	13	146	5	76	2	83	0	0
102	55	10	4	222	11	95	27	100	1	128	0	0
103	100	10	4	219	15	122	9	78	0	87	0	0
104	133	10	4	253	13	140	9	95	1	105	0	0
105	70	10	4	250	14	141	7	93	0	99	0	0
106	20	10	4	199	11	92	20	85	1	105	0	0
107	64	10	4	206	13	106	10	82	1	93	0	0
108	18	10	4	192	11	99	14	74	0	87	0	0
109	25	10	4	197	14	114	6	66	1	73	0	0
110	92	10	4	210	13	128	5	68	1	74	0	0
111	31	10	4	179	11	97	10	65	1	76	0	0
112	42	10	4	177	11	93	10	67	1	78	0	0
113	50	10	4	180	11	89	12	74	1	86	0	0
114	135	10	4	165	9	84	11	66	1	78	0	0
115	82	10	4	159	10	86	6	59	1	66	0	0
116	79	10	4	153	10	81	10	57	1	67	0	0
117	19	10	4	142	10	83	5	46	1	52	0	0
118	26	10	4	149	10	85	6	50	1	57	0	0
119	66	10	4	145	10	83	6	49	1	55	0	0
120	63	10	4	139	10	80	4	47	0	51	0	0
121	9	10	3	134	9	75	5	47	1	53	0	0
122	3	10	3	132	8	67	7	53	1	60	0	0
123	84	10	3	69	4	41	3	22	2	26	0	0
124	134	10	3	66	0	38	0	26	0	27	0	0
125	114	10	3	52	3	28	2	20	0	21	0	0
126	115	10	3	57	3	29	3	22	0	26	0	0

North Yorkshire Sample Sites QUADRO Results Summary													
Future Peak													
Urgent													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
85	27	10	6	460	29	256	17	165	3	185	-	-	
86	130	10	6	475	30	263	21	170	3	194	-	-	
87	39	10	6	523	27	297	20	188	1	209	-	-	
88	32	10	6	414	27	228	13	153	-	166	-	-	
89	137	10	6	465	31	256	15	172	-	188	-	-	
90	60	10	6	524	27	316	11	173	4	188	-	-	
91	4	10	6	477	30	279	15	156	7	178	-	-	
92	29	10	6	442	27	234	22	169	2	193	-	-	
93	44	10	6	440	28	237	21	163	1	185	-	-	
94	38	10	6	435	27	229	31	163	1	195	-	-	
95	113	10	6	478	25	266	14	180	1	195	-	-	
96	127	10	6	396	27	231	12	130	3	146	-	-	
97	83	10	7	407	20	164	72	182	1	255	-	-	
98	87	10	7	506	27	300	14	170	4	188	-	-	
99	28	10	7	517	28	275	33	197	-	230	-	-	
100	101	10	7	360	23	195	13	136	1	150	-	-	
101	96	10	7	417	22	256	9	133	3	145	-	-	
102	55	10	7	388	19	166	47	175	2	224	-	-	
103	100	10	7	383	26	213	15	137	-	152	-	-	
104	133	10	7	443	23	245	16	167	1	184	-	-	
105	70	10	7	437	24	246	12	162	-	174	-	-	
106	20	10	7	348	19	161	35	148	1	184	-	-	
107	64	10	7	361	22	186	17	144	1	162	-	-	
108	18	10	7	336	20	174	24	129	-	153	-	-	
109	25	10	7	345	24	199	10	116	2	128	-	-	
110	92	10	7	368	22	223	8	119	2	129	-	-	
111	31	10	7	313	19	170	18	113	2	133	-	-	
112	42	10	7	309	19	162	18	117	2	137	-	-	
113	50	10	7	315	19	155	21	129	1	151	-	-	
114	135	10	7	289	16	147	19	115	2	136	-	-	
115	82	10	7	278	18	151	11	103	1	115	-	-	
116	79	10	7	267	17	141	17	99	1	117	-	-	
117	19	10	7	248	17	145	8	81	2	91	-	-	
118	26	10	7	260	18	149	10	87	2	99	-	-	
119	66	10	7	254	17	146	10	85	2	97	-	-	
120	63	10	7	243	17	140	7	83	-	90	-	-	
121	9	10	7	235	16	131	8	83	1	92	-	-	
122	3	10	7	231	14	118	12	92	1	105	-	-	
123	84	10	7	162	9	96	6	51	4	61	-	-	
124	134	10	7	153	-	89	1	61	-	62	-	-	
125	114	10	7	122	7	66	4	46	-	50	-	-	
126	115	10	7	132	8	67	8	52	-	60	-	-	

North Yorkshire Sample Sites QUADRO Results Summary											
Future Peak											
Urgent											
Average	5	1,100	56	612	47	409	4	460	-	-	1
No. of Works		135	135	135	135	135	135	135	135	135	135
Cost of Congestion	£	148,710	7,594	82,666	6,374	55,231	588	62,194	-	-	172

North Yorkshire Sample Sites QUADRO Results Summary											
Future Peak											
Urgent											
Average	5	766	41	424	34	284	3	321	-	-	1
No. of Works		135	135	135	135	135	135	135	135	135	135
Cost of Congestion	£	103,502	5,499	57,250	4,591	38,377	416	43,384	-	-	89

North Yorkshire Sample Sites QUADRO Results Summary												
Future Off Peak												
Major												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
1	65	200	25.3	5599	358	2877	380	2176	4	2559	0	0
2	112	200	24.2	3446	201	2020	86	1191	7	1284	0	0
3	80	200	24.2	3378	232	1884	149	1193	7	1348	0	0
4	71	200	18.7	1416	94	777	64	510	5	580	0	0
5	62	200	18.7	1716	96	952	56	641	3	700	0	0
6	134	200	18.7	1111	72	604	53	406	5	465	0	0
7	29	200	18.7	1082	72	572	56	406	5	468	0	0
8	70	200	14.3	757	43	429	20	277	0	297	0	0
9	82	200	14.3	468	31	255	18	174	0	192	0	0
10	48	200	14.3	114	8	65	2	39	0	41	0	0
11	128	100	25.3	55193	2678	37343	1890	14395	152	16437	0	-127
12	95	100	24.2	13258	958	8629	754	3270	86	4111	0	0
13	22	100	18.7	6965	451	4616	310	1750	19	2079	0	0
14	39	100	14.3	3431	212	2275	151	868	10	1029	0	0
15	79	100	14.3	1497	112	940	112	386	6	505	0	0
16	128	50	25.3	1209	72	698	40	416	4	460	0	0
17	68	50	24.2	958	59	484	80	370	3	453	0	0
18	52	50	18.7	315	19	168	16	115	3	134	0	0
19	60	50	14.3	282	16	169	6	91	2	99	0	0
20	19	50	14.3	161	10	92	6	53	2	61	0	0
21	52	30	18.7	134	11	102	8	69	3	80	0	0
22	47	10	24.2	535	28	307	17	187	3	207	0	0
23	35	10	18.7	299	19	147	24	120	0	144	0	0
24	61	10	18.7	224	13	128	5	80	0	85	0	0
25	79	10	14.3	80	4	43	4	29	0	33	0	0
Average			19	4,145	235	2,663	172	1,168	13	1,354	-	5
No. of Works				90	90	90	90	90	90	90	90	90
Cost of Congestion	£			370,989	21,009	238,346	15,426	104,578	1,179	121,183	-	453

North Yorkshire Sample Sites QUADRO Results Summary													
Future Off Peak													
Major													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
1	65	200	14.3	3,164	202	1,626	215	1,230	2	1,446	-	-	
2	112	200	14.3	2,036	118	1,194	51	704	4	759	-	-	
3	80	200	14.3	1,996	137	1,113	88	705	4	797	-	-	
4	71	200	18.7	1,416	94	777	64	510	5	580	-	-	
5	62	200	18.7	1,716	96	952	56	641	3	700	-	-	
6	134	200	18.7	1,111	72	604	53	406	5	465	-	-	
7	29	200	18.7	1,082	72	572	56	406	5	468	-	-	
8	70	200	24.2	1,281	73	726	35	469	-	503	-	-	
9	82	200	24.2	792	52	432	31	294	-	325	-	-	
10	48	200	25.3	202	14	116	4	69	-	72	-	-	
11	128	100	14.3	31,196	1,514	21,107	1,068	8,136	86	9,291	-	72	
12	95	100	14.3	7,834	566	5,099	445	1,933	51	2,429	-	-	
13	22	100	18.7	6,965	451	4,616	310	1,750	19	2,079	-	-	
14	39	100	24.2	5,806	360	3,850	256	1,469	17	1,742	-	-	
15	79	100	25.3	2,649	199	1,663	199	683	11	893	-	-	
16	128	50	14.3	683	41	395	22	235	2	260	-	-	
17	68	50	14.3	566	35	286	47	219	2	268	-	-	
18	52	50	18.7	315	19	168	16	115	3	134	-	-	
19	60	50	24.2	478	28	286	10	153	3	167	-	-	
20	19	50	25.3	286	18	163	11	94	4	108	-	-	
21	52	30	18.7	134	11	102	8	69	3	80	-	-	
22	47	10	14.3	316	16	181	10	110	2	123	-	-	
23	35	10	18.7	299	19	147	24	120	-	144	-	-	
24	61	10	18.7	224	13	128	5	80	-	85	-	-	
25	79	10	24.2	135	7	73	7	48	-	55	-	-	
Average		19		2,907	169	1,855	124	826	9	959	-	3	
No. of Works				90	90	90	90	90	90	90	90	90	
Cost of Congestion	£			260,207	15,129	166,023	11,069	73,922	828	85,819	-	256	

North Yorkshire Sample Sites QUADRO Results Summary												
Future Off Peak												
Standard												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
1	30	200	16.5	2619	172	1426	156	941	9	1106	0	0
2	78	200	13.2	17609	1088	10373	579	5770	215	6564	0	2
3	89	200	9.9	10793	557	5646	600	4284	24	4907	0	1
4	6	200	9.9	6394	417	3601	211	2274	34	2519	0	0
5	61	200	9.9	5943	307	3382	199	2150	28	2378	0	0
6	100	200	5.5	1892	130	1052	74	680	0	754	0	0
7	113	200	4.4	1127	59	628	32	426	2	460	0	0
8	111	100	16.5	33830	1923	21469	2404	9297	106	11807	0	-116
9	93	100	13.2	7328	434	4926	256	1851	13	2121	0	0
10	86	100	9.9	3635	279	2383	178	891	11	1081	0	0
11	124	100	9.9	2574	188	1583	223	687	6	916	0	0
12	44	100	5.5	1100	86	708	64	276	2	343	0	0
13	82	100	4.4	469	38	308	22	113	1	136	0	0
14	111	50	16.5	50488	818	9994	1014	47	8153	18966	-90	18876
15	95	50	13.2	12253	266	2406	209	25	1857	4529	0	4529
16	22	50	9.9	6174	122	1247	83	6	914	2283	0	2283
17	137	50	5.5	1966	47	388	23	1	284	719	0	719
18	79	50	4.4	774	18	147	18	1	123	287	0	287
19	52	30	9.9	1146	68	614	54	433	8	495	0	0
20	88	10	16.5	11969	434	7216	245	4209	68	4522	0	-35
21	99	10	16.5	7116	299	4161	198	2557	35	2790	0	-12
22	81	10	16.5	4757	288	2565	316	1744	5	2065	0	0
23	24	10	16.5	4582	281	2713	116	1520	42	1678	0	0
24	54	10	16.5	4024	217	1994	283	1657	17	1956	0	0
25	112	10	13.2	3055	153	1790	68	1084	6	1157	0	0
26	67	10	13.2	2410	141	1301	123	898	17	1037	0	0
27	131	10	13.2	2331	138	1256	124	867	15	1007	0	0
28	123	10	13.2	2573	136	1457	102	923	13	1038	0	0
29	35	10	13.2	1967	113	971	157	800	4	960	0	0
30	106	10	9.9	1338	82	707	79	508	4	591	0	0
31	7	10	9.9	1398	76	810	35	494	7	536	0	0
32	52	10	9.9	1146	68	614	54	433	8	495	0	0
33	62	10	9.9	1183	59	657	37	450	1	488	0	0
34	1	10	9.9	929	55	537	28	318	8	355	0	0
35	110	10	5.5	602	30	334	23	226	2	251	0	0
36	104	10	5.5	469	26	227	35	196	2	234	0	0
37	32	10	5.5	380	25	209	12	141	0	152	0	0
38	44	10	5.5	403	26	218	20	149	1	170	0	0
39	87	10	5.5	398	21	236	11	134	3	148	0	0
40	100	10	4.4	241	16	134	9	86	0	96	0	0
41	18	10	4.4	211	13	109	15	81	0	96	0	0
42	50	10	4.4	198	12	97	13	81	1	95	0	0

North Yorkshire Sample Sites QUADRO Results Summary													
Future Off Peak Standard													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
1	30	200	4.4	698	46	380	41	251	3	295	-	-	
2	78	200	5.5	7,337	453	4,322	241	2,404	90	2,735	-	1	
3	89	200	9.9	10,793	557	5,646	600	4,284	24	4,907	-	1	
4	6	200	9.9	6,394	417	3,601	211	2,274	34	2,519	-	-	
5	61	200	9.9	5,943	307	3,382	199	2,150	28	2,378	-	-	
6	100	200	13.2	4,541	313	2,525	177	1,631	-	1,808	-	-	
7	113	200	16.5	4,228	222	2,356	120	1,598	7	1,725	-	-	
8	111	100	4.4	9,021	513	5,725	641	2,479	28	3,149	-	31	
9	93	100	5.5	3,053	181	2,053	107	771	6	884	-	-	
10	86	100	9.9	3,635	279	2,383	178	891	11	1,081	-	-	
11	124	100	9.9	2,574	188	1,583	223	687	6	916	-	-	
12	44	100	13.2	2,640	206	1,699	155	662	6	822	-	-	
13	82	100	16.5	1,758	141	1,155	83	424	5	512	-	-	
14	111	50	4.4	13,463	218	2,665	270	13	2,174	5,057	-	24	5,034
15	95	50	5.5	5,106	111	1,003	87	10	774	1,887	-	-	1,887
16	22	50	9.9	6,174	122	1,247	83	6	914	2,283	-	-	2,283
17	137	50	13.2	4,718	113	932	55	2	681	1,725	-	-	1,725
18	79	50	16.5	2,902	66	552	66	5	460	1,077	-	-	1,077
19	52	30	9.9	1,146	68	614	54	433	8	495	-	-	-
20	88	10	4.4	3,192	116	1,924	65	1,122	18	1,206	-	-	9
21	99	10	4.4	1,898	80	1,110	53	682	9	744	-	-	3
22	81	10	4.4	1,268	77	684	84	465	1	551	-	-	-
23	24	10	4.4	1,222	75	723	31	405	11	448	-	-	-
24	54	10	5.5	1,341	72	665	94	552	6	652	-	-	-
25	112	10	5.5	1,273	64	746	28	452	2	482	-	-	-
26	67	10	5.5	1,004	59	542	51	374	7	432	-	-	-
27	131	10	5.5	971	57	523	52	361	6	420	-	-	-
28	123	10	5.5	1,072	57	607	42	385	6	433	-	-	-
29	35	10	9.9	1,475	85	728	117	600	3	720	-	-	-
30	106	10	9.9	1,338	82	707	79	508	4	591	-	-	-
31	7	10	9.9	1,398	76	810	35	494	7	536	-	-	-
32	52	10	9.9	1,146	68	614	54	433	8	495	-	-	-
33	62	10	9.9	1,183	59	657	37	450	1	488	-	-	-
34	1	10	13.2	1,239	74	717	38	424	11	473	-	-	-
35	110	10	13.2	1,444	72	801	55	543	4	602	-	-	-
36	104	10	13.2	1,126	62	545	85	471	6	562	-	-	-
37	32	10	13.2	911	60	502	28	338	-	366	-	-	-
38	44	10	13.2	967	62	522	47	358	2	407	-	-	-
39	87	10	16.5	1,194	64	707	33	402	9	444	-	-	-
40	100	10	16.5	903	61	502	35	323	-	358	-	-	-
41	18	10	16.5	792	47	410	57	304	-	361	-	-	-
42	50	10	16.5	743	45	365	50	304	2	356	-	-	-

North Yorkshire Sample Sites QUADRO Results Summary													
Future Off Peak													
Standard													
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
43	26	10	4.4	163	11	94	6	55	1	62	0	0	
Average			10	5,162	226	2,388	198	1,157	280	1,962	-	2	617
No. of Works				50	3	26	3	18	0	21	0	0	
Cost of Congestion			£	794,903	34,869	367,769	30,471	178,220	43,168	302,096	-	321	95,033

North Yorkshire Sample Sites QUADRO Results Summary													
Future Off Peak													
Standard													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
43	26	10	16.5	613	42	351	24	205	5	233	-	-	
Average			10	2,926	143	1,402	113	743	125	1,131	-	1	278
No. of Works				33	2	18	2	12	-	14	-	-	
Cost of Congestion			£	450,664	21,974	215,904	17,429	114,355	19,295	174,111	-	86	42,852

North Yorkshire												
Future Off Peak												
Minor with Excavation												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
1	34	100	4.4	2747	184	1629	297	776	6	1079	0	0
2	22	100	3.3	1229	80	815	55	309	3	367	0	0
3	64	100	2.2	293	23	190	18	72	1	91	0	0
4	75	50	4.4	263	14	153	7	91	1	99	0	0
5	33	50	4.4	270	16	152	10	97	0	107	0	0
6	73	50	3.3	132	9	71	8	49	0	56	0	0
7	2	50	3.3	102	7	59	3	34	0	38	0	0
8	110	50	2.2	42	2	23	2	16	0	17	0	0
9	87	50	2.2	40	2	24	1	13	0	15	0	0
10	26	50	2.2	19	1	11	1	6	0	7	0	0
11	40	10	4.4	137	8	78	5	48	1	54	0	0
12	75	10	4.4	159	9	92	5	55	1	61	0	0
13	88	10	4.4	172	9	103	4	57	1	62	0	0
14	30	10	4.4	112	8	60	6	40	1	47	0	0
15	43	10	4.4	166	12	96	5	55	0	60	0	0
16	111	10	4.4	148	9	80	9	53	1	63	0	0
17	21	10	4.4	114	8	64	4	40	1	45	0	0
18	99	10	4.4	154	9	89	5	53	1	58	0	0
19	128	10	4.4	128	8	74	4	45	0	48	0	0
20	11	10	4.4	153	11	87	6	53	1	59	0	0
21	46	10	4.4	104	7	55	6	39	0	45	0	0
22	65	10	4.4	154	9	79	11	60	0	70	0	0
23	81	10	4.4	116	8	63	8	41	0	49	0	0
24	47	10	4.4	97	5	56	3	34	1	38	0	0
25	16	10	4.4	148	8	78	8	57	1	65	0	0
26	117	10	4.4	141	8	83	3	48	1	52	0	0
27	34	10	4.4	138	8	67	12	57	0	69	0	0
28	24	10	4.4	72	5	43	2	23	1	25	0	0
29	132	10	4.4	108	8	65	3	34	1	38	0	0
30	119	10	4.4	107	6	54	8	42	0	50	0	0
31	33	10	4.4	163	9	91	6	59	0	65	0	0
32	120	10	4.4	106	7	60	4	36	1	41	0	0
33	54	10	4.4	109	6	54	8	44	1	52	0	0
34	49	10	4.4	173	9	101	5	59	2	66	0	0
35	78	10	4.4	151	10	89	5	48	2	55	0	0
36	76	10	4.4	120	7	66	6	44	1	51	0	0
37	10	10	4.4	230	10	106	26	98	1	125	0	0
38	112	10	4.4	101	6	60	3	35	0	37	0	0
39	129	10	4.4	96	6	53	4	33	1	38	0	0
40	107	10	4.4	107	6	61	4	38	1	42	0	0
41	95	10	3.3	69	4	38	3	25	0	29	0	0
42	68	10	3.3	79	5	40	6	30	0	37	0	0

North Yorkshire Sample Sites QUADRO Results Summary												
Future Off Peak												
Minor with Excavation												
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
1	34	100	2.2	1,373	92	814	149	388	3	540	-	-
2	22	100	3.3	1,229	80	815	55	309	3	367	-	-
3	64	100	4.4	586	45	380	35	143	3	181	-	-
4	75	50	2.2	131	7	77	3	46	1	50	-	-
5	33	50	2.2	135	8	76	5	49	-	54	-	-
6	73	50	2.2	88	6	47	5	32	-	37	-	-
7	2	50	3.3	102	7	59	3	34	0	38	-	-
8	110	50	3.3	62	3	34	2	24	-	26	-	-
9	87	50	4.4	80	4	48	3	26	1	30	-	-
10	26	50	4.4	37	3	21	1	13	-	14	-	-
11	40	10	1.1	34	2	20	1	12	0	13	-	-
12	75	10	1.1	40	2	23	1	14	0	15	-	-
13	88	10	1.1	43	2	26	1	14	0	16	-	-
14	30	10	1.1	28	2	15	2	10	0	12	-	-
15	43	10	1.1	41	3	24	1	14	-	15	-	-
16	111	10	1.1	37	2	20	2	13	0	16	-	-
17	21	10	1.1	29	2	16	1	10	0	11	-	-
18	99	10	1.1	38	2	22	1	13	0	15	-	-
19	128	10	1.1	32	2	18	1	11	-	12	-	-
20	11	10	1.1	38	3	22	1	13	0	15	-	-
21	46	10	1.1	26	2	14	2	10	-	11	-	-
22	65	10	1.1	39	2	20	3	15	-	18	-	-
23	81	10	1.1	29	2	16	2	10	-	12	-	-
24	47	10	1.1	24	1	14	1	8	0	9	-	-
25	16	10	1.1	37	2	20	2	14	0	16	-	-
26	117	10	1.1	35	2	21	1	12	0	13	-	-
27	34	10	1.1	34	2	17	3	14	-	17	-	-
28	24	10	1.1	18	1	11	0	6	0	6	-	-
29	132	10	1.1	27	2	16	1	8	0	9	-	-
30	119	10	1.1	27	2	14	2	11	-	12	-	-
31	33	10	1.1	41	2	23	2	15	-	16	-	-
32	120	10	1.1	27	2	15	1	9	0	10	-	-
33	54	10	1.1	27	2	14	2	11	0	13	-	-
34	49	10	2.2	87	5	51	3	29	1	33	-	-
35	78	10	2.2	75	5	44	3	24	1	28	-	-
36	76	10	2.2	60	3	33	3	22	0	25	-	-
37	10	10	2.2	115	5	53	13	49	0	63	-	-
38	112	10	2.2	51	3	30	1	17	-	19	-	-
39	129	10	2.2	48	3	27	2	17	0	19	-	-
40	107	10	2.2	53	3	31	2	19	0	21	-	-
41	95	10	2.2	46	3	25	2	17	0	19	-	-
42	68	10	2.2	52	3	27	4	20	0	25	-	-

North Yorkshire												
Future Off Peak												
Minor with Excavation												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
43	67	10	3.3	73	5	39	4	26	0	31	0	0
44	93	10	3.3	80	5	48	3	27	0	29	0	0
45	23	10	3.3	75	4	43	2	26	0	29	0	0
46	97	10	3.3	65	4	38	1	22	0	23	0	0
47	85	10	3.3	85	5	51	2	28	1	31	0	0
48	131	10	3.3	63	4	34	3	23	0	27	0	0
49	80	10	3.3	74	5	41	3	26	0	29	0	0
50	73	10	3.3	80	5	43	5	29	0	34	0	0
51	90	10	3.3	82	5	41	8	32	0	39	0	0
52	136	10	3.3	61	4	32	4	23	0	27	0	0
53	123	10	3.3	69	4	39	3	24	0	28	0	0
54	108	10	3.3	70	5	40	2	24	0	26	0	0
55	89	10	3.3	85	5	44	5	33	0	38	0	0
56	59	10	3.3	70	4	39	3	25	0	28	0	0
57	41	10	3.3	58	4	31	3	21	0	25	0	0
58	35	10	3.3	53	3	26	4	21	0	25	0	0
59	86	10	3.3	73	5	40	3	26	0	29	0	0
60	91	10	3.3	72	4	37	5	28	0	33	0	0
61	122	10	3.3	56	3	34	1	18	0	19	0	0
62	13	10	3.3	80	4	46	2	28	1	32	0	0
63	106	10	3.3	54	3	29	3	20	0	24	0	0
64	126	10	3.3	51	3	26	3	20	0	23	0	0
65	45	10	3.3	55	3	31	2	20	0	22	0	0
66	71	10	3.3	41	3	22	2	15	0	17	0	0
67	103	10	3.3	50	3	26	3	18	0	21	0	0
68	7	10	3.3	58	3	33	1	20	0	22	0	0
69	36	10	3.3	50	3	25	4	19	0	23	0	0
70	118	10	3.3	47	3	24	3	18	0	21	0	0
71	2	10	2.2	41	3	24	1	14	0	15	0	0
72	22	10	0	0	0	0	0	0	0	0	0	0
73	52	10	2.2	22	1	12	1	8	0	9	0	0
74	77	10	2.2	38	2	18	3	15	0	19	0	0
75	6	10	2.2	37	3	21	1	13	0	15	0	0
76	116	10	2.2	25	1	13	1	10	0	11	0	0
77	37	10	2.2	34	2	19	1	11	0	12	0	0
78	62	10	2.2	33	2	18	1	12	0	13	0	0
79	56	10	2.2	32	2	17	2	12	0	14	0	0
80	125	10	2.2	27	2	14	2	10	0	12	0	0
81	124	10	2.2	27	2	14	2	10	0	12	0	0
82	98	10	2.2	27	2	15	2	9	0	12	0	0
83	1	10	2.2	26	2	15	1	9	0	10	0	0
84	121	10	2.2	27	2	13	2	10	0	13	0	0

North Yorkshire Sample Sites QUADRO Results Summary													
Future Off Peak													
Minor with Excavation													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
43	67	10	2.2	48	3	26	3	18	0	20	-	-	
44	93	10	2.2	53	3	32	2	18	-	20	-	-	
45	23	10	2.2	50	3	29	2	17	0	19	-	-	
46	97	10	2.2	43	3	25	1	15	-	16	-	-	
47	85	10	2.2	57	3	34	1	18	1	20	-	-	
48	131	10	2.2	42	3	23	2	15	0	18	-	-	
49	80	10	2.2	49	3	27	2	17	-	19	-	-	
50	73	10	2.2	53	3	29	3	19	-	23	-	-	
51	90	10	2.2	55	3	27	5	21	-	26	-	-	
52	136	10	2.2	41	3	21	3	15	0	18	-	-	
53	123	10	2.2	46	3	26	2	16	0	18	-	-	
54	108	10	2.2	47	3	27	1	16	0	18	-	-	
55	89	10	2.2	57	3	29	3	22	-	25	-	-	
56	59	10	2.2	46	3	26	2	17	-	18	-	-	
57	41	10	2.2	39	3	21	2	14	0	16	-	-	
58	35	10	2.2	35	2	17	3	14	-	17	-	-	
59	86	10	2.2	48	3	27	2	18	-	19	-	-	
60	91	10	2.2	48	3	25	3	19	-	22	-	-	
61	122	10	2.2	37	2	23	1	12	0	13	-	-	
62	13	10	2.2	53	3	31	2	19	1	21	-	-	
63	106	10	2.2	36	2	19	2	14	-	16	-	-	
64	126	10	2.2	34	2	18	2	13	-	15	-	-	
65	45	10	2.2	36	2	20	2	13	-	15	-	-	
66	71	10	2.2	27	2	14	1	10	-	11	-	-	
67	103	10	2.2	33	2	18	2	12	-	14	-	-	
68	7	10	2.2	39	2	22	1	14	0	15	-	-	
69	36	10	2.2	33	2	17	3	13	-	15	-	-	
70	118	10	2.2	31	2	16	2	12	-	14	-	-	
71	2	10	2.2	41	3	24	1	14	-	15	-	-	
72	22	10	2.2	37	2	21	2	14	-	15	-	-	
73	52	10	2.2	22	1	12	1	8	0	9	-	-	
74	77	10	2.2	38	2	18	3	15	-	19	-	-	
75	6	10	2.2	37	3	21	1	13	0	15	-	-	
76	116	10	2.2	25	1	13	1	10	-	11	-	-	
77	37	10	2.2	34	2	19	1	11	0	12	-	-	
78	62	10	3.3	50	3	27	2	18	-	20	-	-	
79	56	10	3.3	48	3	25	3	18	-	21	-	-	
80	125	10	3.3	41	3	22	2	15	-	17	-	-	
81	124	10	3.3	40	2	20	3	16	-	18	-	-	
82	98	10	3.3	41	2	22	3	14	0	17	-	-	
83	1	10	3.3	39	2	22	1	13	0	15	-	-	
84	121	10	3.3	40	2	20	3	16	-	19	-	-	

North Yorkshire Sample Sites QUADRO Results Summary												
Future Off Peak												
Minor with Excavation												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
85	72	10	2.2	32	2	18	2	11	0	13	0	0
86	5	10	2.2	27	2	15	1	9	0	10	0	0
87	51	10	2.2	24	1	15	0	8	0	8	0	0
88	110	10	2.2	25	1	14	1	9	0	10	0	0
89	102	10	2.2	25	2	14	1	8	0	10	0	0
90	74	10	2.2	27	2	14	2	10	0	12	0	0
91	105	10	2.2	28	2	14	2	11	0	13	0	0
92	61	10	2.2	26	2	15	1	9	0	10	0	0
93	104	10	2.2	23	1	11	2	10	0	11	0	0
94	17	10	2.2	22	1	12	1	8	0	9	0	0
95	27	10	2.2	25	2	14	1	9	0	10	0	0
96	130	10	2.2	23	2	13	1	8	0	9	0	0
97	39	10	2.2	29	2	17	1	10	0	11	0	0
98	32	10	2.2	36	3	20	1	13	0	14	0	0
99	137	10	2.2	22	2	12	1	8	0	9	0	0
100	60	10	2.2	27	2	15	1	9	0	10	0	0
101	4	10	2.2	15	1	9	0	5	0	5	0	0
102	29	10	2.2	20	1	11	1	8	0	8	0	0
103	44	10	2.2	22	2	12	1	8	0	9	0	0
104	38	10	2.2	21	1	11	2	8	0	10	0	0
105	113	10	2.2	24	1	13	1	9	0	9	0	0
106	127	10	2.2	19	1	11	0	6	0	7	0	0
107	83	10	2.2	31	2	13	5	14	0	19	0	0
108	87	10	2.2	25	1	14	1	8	0	9	0	0
109	28	10	2.2	23	1	12	1	9	0	10	0	0
110	101	10	2.2	33	2	18	1	13	0	14	0	0
111	96	10	2.2	2	0	1	0	1	0	1	0	0
112	55	10	2.2	19	1	8	2	8	0	11	0	0
113	100	10	2.2	18	1	10	1	6	0	7	0	0
114	133	10	2.2	18	1	10	1	7	0	7	0	0
115	70	10	1.1	9	0	5	0	4	0	4	0	0
116	20	10	1.1	10	1	5	1	4	0	5	0	0
117	64	10	1.1	7	0	4	0	3	0	3	0	0
118	18	10	1.1	9	1	5	1	3	0	4	0	0
119	25	10	1.1	8	1	5	0	3	0	3	0	0
120	92	10	1.1	11	1	6	0	4	0	4	0	0
121	31	10	1.1	8	0	5	0	3	0	4	0	0
122	42	10	1.1	8	0	4	0	3	0	3	0	0
123	50	10	1.1	6	0	3	0	2	0	3	0	0
124	135	10	1.1	6	0	3	0	2	0	3	0	0
125	82	10	1.1	6	0	3	0	2	0	2	0	0
126	79	10	1.1	6	0	3	0	2	0	3	0	0

North Yorkshire Sample Sites QUADRO Results Summary													
Future Off Peak													
Minor with Excavation													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
85	72	10	3.3	48	3	26	3	16	-	19	-	-	
86	5	10	3.3	40	3	23	2	13	-	15	-	-	
87	51	10	3.3	36	2	22	0	12	-	12	-	-	
88	110	10	3.3	37	2	20	1	14	-	16	-	-	
89	102	10	3.3	38	3	21	2	13	-	15	-	-	
90	74	10	3.3	41	2	21	2	16	0	18	-	-	
91	105	10	3.3	42	2	21	3	17	-	20	-	-	
92	61	10	3.3	40	2	23	1	14	-	15	-	-	
93	104	10	3.3	35	2	17	2	15	-	17	-	-	
94	17	10	3.3	33	2	19	1	12	-	13	-	-	
95	27	10	3.3	38	2	21	1	13	0	15	-	-	
96	130	10	3.3	34	2	19	1	12	-	13	-	-	
97	39	10	3.3	44	2	25	2	15	-	17	-	-	
98	32	10	3.3	55	4	30	2	20	-	22	-	-	
99	137	10	3.3	33	2	18	1	12	-	13	-	-	
100	60	10	3.3	40	2	23	1	13	0	14	-	-	
101	4	10	3.3	23	1	13	0	7	0	8	-	-	
102	29	10	3.3	30	2	16	1	11	-	13	-	-	
103	44	10	3.3	33	2	17	1	12	-	13	-	-	
104	38	10	3.3	32	2	16	2	12	-	15	-	-	
105	113	10	3.3	36	2	20	1	13	-	14	-	-	
106	127	10	3.3	29	2	17	0	9	-	10	-	-	
107	83	10	3.3	47	2	19	8	21	-	29	-	-	
108	87	10	4.4	49	3	29	1	17	1	18	-	-	
109	28	10	4.4	46	3	24	3	17	-	20	-	-	
110	101	10	4.4	67	4	36	3	25	-	28	-	-	
111	96	10	4.4	4	-	2	-	2	-	2	-	-	
112	55	10	4.4	38	2	16	4	17	-	21	-	-	
113	100	10	4.4	35	3	19	1	12	-	13	-	-	
114	133	10	4.4	36	2	20	1	14	-	15	-	-	
115	70	10	4.4	38	2	21	1	14	-	15	-	-	
116	20	10	4.4	41	3	19	4	17	-	21	-	-	
117	64	10	4.4	30	2	15	1	11	-	13	-	-	
118	18	10	4.4	37	3	19	3	14	-	16	-	-	
119	25	10	4.4	34	3	19	1	11	-	12	-	-	
120	92	10	4.4	43	3	26	1	14	-	15	-	-	
121	31	10	4.4	34	2	18	2	13	-	14	-	-	
122	42	10	4.4	31	2	16	2	11	-	13	-	-	
123	50	10	4.4	25	1	13	1	9	-	11	-	-	
124	135	10	4.4	25	1	13	1	9	-	11	-	-	
125	82	10	4.4	23	1	12	1	9	-	9	-	-	
126	79	10	4.4	25	1	13	1	9	-	10	-	-	

North Yorkshire Sample Sites QUADRO Results Summary													
Future Off Peak													
Minor with Excavation													
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
127	19	10	1.1	7	0	4	0	3	0	3	0	0	
128	26	10	1.1	6	0	3	0	2	0	2	0	0	
129	66	10	1.1	5	0	3	0	2	0	2	0	0	
130	63	10	1.1	6	0	3	0	2	0	2	0	0	
131	9	10	1.1	5	0	3	0	2	0	2	0	0	
132	3	10	1.1	5	0	3	0	2	0	2	0	0	
133	84	10	1.1	2	0	1	0	1	0	1	0	0	
134	134	10	1.1	5	0	3	0	2	0	2	0	0	
135	114	10	1.1	0	0	0	0	0	0	0	0	0	
136	115	10	1.1	3	0	2	0	1	0	1	0	0	
137	14	10	1.1	3	0	2	0	1	0	1	0	0	
Average				3	57	6	52	5	30	0	-	-	-
No. of Works				76	492	492	492	492	492	492	492	492	492
Cost of Congestion				44,345	2,768	25,445	2,681	14,588	139	17,408	-	-	

North Yorkshire Sample Sites QUADRO Results Summary													
Future Off Peak													
Minor with Excavation													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
127	19	10	4.4	30	2	17	1	10	-	11	-	-	
128	26	10	4.4	23	2	13	1	8	-	8	-	-	
129	66	10	4.4	20	1	12	1	6	-	7	-	-	
130	63	10	4.4	25	2	14	1	8	-	9	-	-	
131	9	10	4.4	20	1	11	1	7	-	8	-	-	
132	3	10	4.4	19	1	10	1	8	-	8	-	-	
133	84	10	4.4	9	1	6	-	3	-	3	-	-	
134	134	10	4.4	21	-	13	-	9	-	9	-	-	
135	114	10	4.4	1	-	1	-	-	-	-	-	-	
136	115	10	4.4	13	1	6	1	5	-	6	-	-	
137	14	10	4.4	10	1	6	-	4	-	4	-	-	
Average				3	63	4	36	4	20	0	24	-	-
No. of Works					492	492	492	492	492	492	492	492	492
Cost of Congestion				£	30,979	1,943	17,903	1,767	10,074	90	11,931	-	-

North Yorkshire Sample Sites QUADRO Results Summary												
Future Off Peak												
Urgent												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
1	40	10	7	219	12	125	8	77	1	86	0	0
2	75	10	7	253	14	146	8	88	1	97	0	0
3	88	10	7	273	15	163	7	90	2	99	0	0
4	30	10	7	178	12	96	10	64	1	75	0	0
5	43	10	7	264	19	153	8	88	0	96	0	0
6	111	10	7	236	15	127	15	85	1	101	0	0
7	21	10	7	182	13	102	7	63	1	71	0	0
8	99	10	7	245	14	142	8	84	1	93	0	0
9	128	10	7	203	12	118	6	71	0	77	0	0
10	11	10	7	244	17	138	9	84	1	94	0	0
11	46	10	7	166	11	87	10	62	0	72	0	0
12	65	10	7	245	15	126	17	95	0	112	0	0
13	81	10	7	185	12	101	12	66	0	78	0	0
14	47	10	7	155	8	89	5	54	1	60	0	0
15	16	10	7	236	13	125	13	90	1	104	0	0
16	117	10	7	225	13	132	5	77	1	83	0	0
17	34	10	7	219	13	106	19	90	0	109	0	0
18	24	10	7	114	8	68	3	36	1	40	0	0
19	132	10	7	172	12	103	5	54	1	60	0	0
20	119	10	7	170	10	86	12	67	0	79	0	0
21	33	10	7	259	15	145	10	94	0	104	0	0
22	120	10	7	169	11	96	6	58	1	65	0	0
23	54	10	7	174	10	86	12	70	1	83	0	0
24	49	10	7	275	15	161	8	94	3	105	0	0
25	78	10	7	240	16	141	8	77	3	88	0	0
26	76	10	7	191	11	104	10	70	1	81	0	0
27	10	10	7	365	16	169	42	156	1	199	0	0
28	112	10	7	161	9	95	4	55	0	59	0	0
29	129	10	7	152	10	85	6	53	1	60	0	0
30	107	10	7	170	9	97	6	60	1	67	0	0
31	95	10	6	147	9	80	7	53	1	61	0	0
32	68	10	6	167	10	85	13	64	1	78	0	0
33	67	10	6	132	9	71	7	48	1	56	0	0
34	93	10	6	146	9	86	5	48	0	53	0	0
35	23	10	6	137	8	78	4	47	1	52	0	0
36	97	10	6	118	7	69	3	40	0	43	0	0
37	85	10	6	155	9	93	3	50	2	56	0	0
38	131	10	6	115	7	62	6	42	1	49	0	0
39	80	10	6	134	9	74	6	47	0	53	0	0
40	73	10	6	146	9	78	9	53	0	62	0	0
41	90	10	6	149	9	75	14	57	0	71	0	0
42	136	10	6	111	7	57	7	42	1	50	0	0

North Yorkshire Sample Sites QUADRO Results Summary													
Future Off Peak													
Urgent													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
1	40	10	3	94	5	53	3	33	0	37	-	-	
2	75	10	3	108	6	63	3	38	0	41	-	-	
3	88	10	3	117	6	70	3	39	1	42	-	-	
4	30	10	3	76	5	41	4	27	0	32	-	-	
5	43	10	3	113	8	66	3	38	-	41	-	-	
6	111	10	3	101	6	54	6	36	0	43	-	-	
7	21	10	4	104	7	58	4	36	1	41	-	-	
8	99	10	4	140	8	81	5	48	1	53	-	-	
9	128	10	4	116	7	67	3	40	-	44	-	-	
10	11	10	4	139	10	79	5	48	1	54	-	-	
11	46	10	4	95	6	50	6	35	-	41	-	-	
12	65	10	4	140	9	72	10	54	-	64	-	-	
13	81	10	4	106	7	58	7	38	-	45	-	-	
14	47	10	4	88	5	51	3	31	1	34	-	-	
15	16	10	4	135	7	71	7	51	1	59	-	-	
16	117	10	4	128	7	75	3	44	1	47	-	-	
17	34	10	4	125	7	61	11	51	-	62	-	-	
18	24	10	4	65	5	39	2	21	1	23	-	-	
19	132	10	4	98	7	59	3	31	1	34	-	-	
20	119	10	4	97	6	49	7	38	-	45	-	-	
21	33	10	4	148	9	83	6	53	-	59	-	-	
22	120	10	4	97	6	55	3	33	1	37	-	-	
23	54	10	4	99	6	49	7	40	1	47	-	-	
24	49	10	4	157	9	92	5	53	2	60	-	-	
25	78	10	4	137	9	81	5	44	2	50	-	-	
26	76	10	4	109	6	60	6	40	1	46	-	-	
27	10	10	4	209	9	97	24	89	1	114	-	-	
28	112	10	4	92	5	54	2	32	-	34	-	-	
29	129	10	4	87	6	49	3	30	1	34	-	-	
30	107	10	4	97	5	56	3	34	1	38	-	-	
31	95	10	4	84	5	46	4	30	1	35	-	-	
32	68	10	4	95	6	49	7	37	1	45	-	-	
33	67	10	4	88	6	47	5	32	1	37	-	-	
34	93	10	4	97	6	58	3	32	-	36	-	-	
35	23	10	4	91	5	52	3	32	1	35	-	-	
36	97	10	4	78	5	46	2	27	-	28	-	-	
37	85	10	5	129	7	77	3	42	1	46	-	-	
38	131	10	5	96	6	51	5	35	1	41	-	-	
39	80	10	5	111	8	61	5	39	-	44	-	-	
40	73	10	5	121	8	65	7	44	-	51	-	-	
41	90	10	5	124	8	62	11	48	-	59	-	-	
42	136	10	5	93	6	48	6	35	1	41	-	-	

North Yorkshire Sample Sites QUADRO Results Summary												
Future Off Peak												
Urgent												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
43	123	10	6	125	7	71	5	44	1	50	0	0
44	108	10	6	128	9	73	3	44	1	48	0	0
45	89	10	6	155	9	80	9	61	0	69	0	0
46	59	10	6	127	7	71	5	45	0	50	0	0
47	41	10	6	105	7	57	5	39	1	45	0	0
48	35	10	6	96	6	47	8	39	0	46	0	0
49	86	10	6	132	9	73	5	48	0	53	0	0
50	91	10	6	130	8	67	9	51	0	59	0	0
51	122	10	6	102	6	62	3	32	1	35	0	0
52	13	10	6	145	7	83	4	51	2	57	0	0
53	106	10	6	99	6	52	6	37	0	43	0	0
54	126	10	6	93	6	48	5	36	0	41	0	0
55	45	10	6	99	5	56	4	36	0	40	0	0
56	71	10	6	74	5	39	3	27	0	30	0	0
57	103	10	6	90	6	48	5	33	0	38	0	0
58	7	10	6	106	6	61	3	37	1	40	0	0
59	36	10	6	90	5	46	7	34	0	41	0	0
60	118	10	6	85	5	44	5	33	0	38	0	0
61	2	10	5	112	8	65	3	38	0	41	0	0
62	22	10	5	102	6	57	4	37	0	41	0	0
63	52	10	5	51	3	27	2	19	1	21	0	0
64	77	10	5	86	5	41	8	35	0	43	0	0
65	6	10	5	85	6	47	3	30	1	34	0	0
66	116	10	5	57	3	29	2	23	0	25	0	0
67	37	10	5	76	5	44	3	24	1	28	0	0
68	62	10	5	75	4	41	3	27	0	30	0	0
69	56	10	5	72	4	38	5	27	0	32	0	0
70	125	10	5	62	4	33	4	23	0	26	0	0
71	124	10	5	61	4	31	4	24	0	28	0	0
72	98	10	5	62	4	34	4	21	1	26	0	0
73	1	10	5	59	4	34	2	20	1	23	0	0
74	121	10	5	61	4	30	5	24	0	29	0	0
75	72	10	5	72	5	40	4	24	0	29	0	0
76	5	10	5	61	4	34	3	20	0	23	0	0
77	51	10	5	55	3	33	1	18	0	19	0	0
78	110	10	5	57	3	31	2	21	0	24	0	0
79	102	10	5	58	4	32	3	19	0	22	0	0
80	74	10	5	61	4	31	4	24	1	28	0	0
81	105	10	5	64	4	31	5	25	0	30	0	0
82	61	10	5	60	4	34	1	21	0	23	0	0
83	104	10	5	53	3	26	4	22	0	26	0	0
84	17	10	5	51	3	28	1	18	0	19	0	0

North Yorkshire Sample Sites QUADRO Results Summary												
Future Off Peak												
Urgent												
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
43	123	10	5	105	6	59	4	37	1	42	-	-
44	108	10	5	106	7	61	3	36	1	40	-	-
45	89	10	5	129	7	67	7	51	-	58	-	-
46	59	10	5	105	6	59	4	38	-	42	-	-
47	41	10	5	88	6	47	4	32	1	37	-	-
48	35	10	5	80	5	39	6	32	-	39	-	-
49	86	10	5	110	7	61	4	40	-	44	-	-
50	91	10	5	109	6	56	7	42	-	49	-	-
51	122	10	5	85	5	51	2	27	1	29	-	-
52	13	10	5	121	6	69	4	43	1	48	-	-
53	106	10	5	82	5	44	5	31	-	36	-	-
54	126	10	5	78	5	40	4	30	-	34	-	-
55	45	10	5	83	4	46	4	30	-	34	-	-
56	71	10	5	61	4	33	3	22	-	25	-	-
57	103	10	5	75	5	40	4	27	-	31	-	-
58	7	10	5	89	5	51	2	31	1	34	-	-
59	36	10	5	75	4	39	6	29	-	34	-	-
60	118	10	5	71	4	36	4	27	-	31	-	-
61	2	10	5	94	6	54	3	31	-	34	-	-
62	22	10	5	85	5	47	4	31	-	34	-	-
63	52	10	5	51	3	27	2	19	1	21	-	-
64	77	10	5	86	5	41	8	35	-	43	-	-
65	6	10	5	85	6	47	3	30	1	34	-	-
66	116	10	5	57	3	29	2	23	-	25	-	-
67	37	10	6	92	6	53	3	29	1	33	-	-
68	62	10	6	90	5	49	3	33	-	36	-	-
69	56	10	6	87	5	45	6	33	-	39	-	-
70	125	10	6	75	5	39	4	27	-	32	-	-
71	124	10	6	73	4	37	5	28	-	33	-	-
72	98	10	6	75	4	40	5	26	1	32	-	-
73	1	10	6	71	4	40	3	24	1	27	-	-
74	121	10	6	73	4	36	6	28	-	34	-	-
75	72	10	6	87	6	48	5	29	-	34	-	-
76	5	10	6	73	5	41	3	24	-	27	-	-
77	51	10	6	66	3	40	1	22	-	22	-	-
78	110	10	6	68	3	37	3	26	-	28	-	-
79	102	10	6	69	5	39	3	23	-	27	-	-
80	74	10	6	74	4	38	4	28	1	33	-	-
81	105	10	6	76	4	38	6	30	-	36	-	-
82	61	10	6	72	4	41	2	26	-	27	-	-
83	104	10	6	63	3	31	4	27	-	31	-	-
84	17	10	6	61	3	34	2	22	-	23	-	-

North Yorkshire Sample Sites QUADRO Results Summary												
Future Off Peak												
Urgent												
Sample	Ref	Length	Duration High	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon
85	27	10	5	57	4	31	2	20	1	23	0	0
86	130	10	5	51	4	29	2	18	0	20	0	0
87	39	10	5	67	4	38	3	23	0	26	0	0
88	32	10	5	83	6	45	3	30	0	33	0	0
89	137	10	5	51	4	27	2	18	0	20	0	0
90	60	10	5	61	4	35	1	20	1	22	0	0
91	4	10	4	27	2	16	1	9	1	10	0	0
92	29	10	4	37	2	19	2	14	0	15	0	0
93	44	10	4	39	3	21	2	14	0	16	0	0
94	38	10	4	38	2	19	3	15	0	18	0	0
95	113	10	4	43	2	24	1	16	0	17	0	0
96	127	10	4	35	2	21	1	11	0	12	0	0
97	83	10	4	57	3	23	10	25	0	35	0	0
98	87	10	4	45	2	26	1	15	1	17	0	0
99	28	10	4	42	2	22	2	16	0	18	0	0
100	101	10	4	61	4	33	2	23	0	25	0	0
101	96	10	4	3	0	2	0	1	0	1	0	0
102	55	10	4	34	2	15	4	15	0	19	0	0
103	100	10	4	32	2	18	1	11	0	12	0	0
104	133	10	4	33	2	18	1	12	0	13	0	0
105	70	10	4	35	2	19	1	13	0	14	0	0
106	20	10	4	37	2	17	3	15	0	19	0	0
107	64	10	4	27	2	14	1	10	0	11	0	0
108	18	10	4	34	2	17	2	13	0	15	0	0
109	25	10	4	31	2	18	1	10	0	11	0	0
110	92	10	4	39	2	23	1	13	0	14	0	0
111	31	10	4	31	2	17	2	11	0	13	0	0
112	42	10	4	28	2	15	2	10	0	12	0	0
113	50	10	4	22	1	11	1	9	0	10	0	0
114	135	10	4	22	1	11	1	9	0	10	0	0
115	82	10	4	21	1	11	1	8	0	9	0	0
116	79	10	4	22	1	12	1	8	0	9	0	0
117	19	10	4	27	2	15	1	9	0	10	0	0
118	26	10	4	21	2	11	1	7	0	7	0	0
119	66	10	4	18	1	11	1	6	0	6	0	0
120	63	10	4	22	2	13	1	7	0	8	0	0
121	9	10	3	18	1	10	1	6	0	7	0	0
122	3	10	3	18	1	9	1	7	0	7	0	0
123	84	10	3	6	0	4	0	2	0	2	0	0
124	134	10	3	15	-1	9	0	6	0	6	0	0
125	114	10	3	1	0	1	0	0	0	0	0	0
126	115	10	3	9	0	4	0	3	0	4	0	0

North Yorkshire Sample Sites QUADRO Results Summary													
Future Off Peak													
Urgent													
Sample	Ref	Length	Duration Low	Total Impact	Consumer Vehicle Operating Cost Total	Consumer Travel Time Total	Business Vehicle Operating Cost Total	Business Travel Time Total	PSP Bus & Coach Operating Cost	Total Business	Accident Cost	Carbon	
85	27	10	6	69	4	38	3	24	1	27	-	-	
86	130	10	6	62	4	34	3	21	-	24	-	-	
87	39	10	6	80	4	45	3	28	-	31	-	-	
88	32	10	6	99	7	54	3	36	-	39	-	-	
89	137	10	6	61	4	33	3	21	-	24	-	-	
90	60	10	6	73	4	42	2	24	1	26	-	-	
91	4	10	6	41	3	24	1	13	1	15	-	-	
92	29	10	6	55	3	29	3	21	-	23	-	-	
93	44	10	6	59	4	32	3	21	-	24	-	-	
94	38	10	6	57	3	29	4	22	-	27	-	-	
95	113	10	6	65	3	36	2	24	-	25	-	-	
96	127	10	6	52	3	31	1	17	-	18	-	-	
97	83	10	7	99	5	40	17	44	-	61	-	-	
98	87	10	7	78	4	46	2	26	1	29	-	-	
99	28	10	7	73	4	38	4	28	-	32	-	-	
100	101	10	7	106	7	57	4	40	-	44	-	-	
101	96	10	7	6	-	4	-	2	-	2	-	-	
102	55	10	7	60	3	26	7	27	-	34	-	-	
103	100	10	7	56	4	31	2	19	-	21	-	-	
104	133	10	7	58	3	31	2	22	-	24	-	-	
105	70	10	7	60	3	34	1	23	-	24	-	-	
106	20	10	7	65	4	30	6	27	-	33	-	-	
107	64	10	7	47	3	24	2	18	-	20	-	-	
108	18	10	7	59	4	30	4	22	-	26	-	-	
109	25	10	7	54	4	31	1	18	-	19	-	-	
110	92	10	7	69	4	41	1	23	-	24	-	-	
111	31	10	7	54	3	29	3	20	-	23	-	-	
112	42	10	7	49	3	26	3	18	-	21	-	-	
113	50	10	7	39	2	20	2	15	-	17	-	-	
114	135	10	7	39	2	20	2	15	-	17	-	-	
115	82	10	7	36	2	19	1	14	-	15	-	-	
116	79	10	7	39	2	21	2	14	-	16	-	-	
117	19	10	7	47	3	27	1	16	-	17	-	-	
118	26	10	7	36	3	20	1	12	-	13	-	-	
119	66	10	7	32	2	19	1	10	-	11	-	-	
120	63	10	7	39	3	22	1	13	-	14	-	-	
121	9	10	7	32	2	18	1	11	-	12	-	-	
122	3	10	7	31	2	16	1	12	-	13	-	-	
123	84	10	7	15	1	9	-	5	-	5	-	-	
124	134	10	7	34	-	20	-	14	-	14	-	-	
125	114	10	7	1	-	1	-	-	-	-	-	-	
126	115	10	7	20	1	10	1	8	-	9	-	-	

North Yorkshire Sample Sites QUADRO Results Summary										
Future Off Peak										
Urgent										
Average	5	103	6	57	5	37	0	42	-	-
No. of Works		766	766	766	766	766	766	766	766	766
Cost of Congestion	£	78,940	4,743	43,295	3,775	28,458	280	32,512	-	-

North Yorkshire Sample Sites QUADRO Results Summary										
Future Off Peak										
Urgent										
Average	5	82	5	45	4	30	0	34	-	-
No. of Works		766	766	766	766	766	766	766	766	766
Cost of Congestion	£	62,520	3,743	34,103	3,012	22,639	198	25,849	-	-