

Southampton Sample Sites QUADRO Results Summary														
RC 0-2 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	43	10	41	253562	10648	150468	4293	132854	838	137985	1371	1845		
2	20	10	40	83543	3040	51271	1029	40882	474	42385	2126	543		
3	11	10	40	47440	1394	29054	766	22471	303	23539	1949	291		
4	21	10	30	12351	441	7534	150	4881	120	5151	1273	81		
5	25	10	26	1326	30	472	11	365	4	380	576	7		
6	13	10	23	168	3	51	0	39	0	39	89	0		
Average				33	66398	2593	39808	1041	33582	290	34913	1230	461	
No. of Works					54	54	54	54	54	54	54	54	54	
Cost of Congestion				£	3,585,505	140013	2149652	56238	1813434	15646	1885318	66439	24913	

Southampton Sample Sites QUADRO Results Summary												
RC 0-2 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	43	10	41	142,242	5,973	84,409	2,408	74,528	470	77,406	769	1,035
2	20	10	40	54,303	1,976	33,326	669	26,573	308	27,550	1,382	353
3	11	10	40	35,580	1,046	21,790	574	16,853	227	17,655	1,461	219
4	21	10	30	16,469	589	10,046	200	6,507	160	6,867	1,697	109
5	25	10	26	2,040	46	727	17	562	6	585	886	11
6	13	10	23	299	6	91	-	70	-	70	158	-
Average			33	41,822	1,606	25,065	645	20,849	195	21,689	1,059	288
No. of Works				54	54	54	54	54	54	54	54	54
Cost of Congestion			£	2,258,388	86,718	1,353,501	34,816	1,125,851	10,539	1,171,205	57,177	15,538

Southampton Sample Sites QUADRO Results Summary													
RC 0-2 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	29	10	1	124697	5241	81413	2181	58472	636	61289	-147	923	
2	22	10	1	105134	4072	68444	1835	49106	1032	51972	38	790	
3	17	10	1	28107	1276	18520	414	13001	82	13497	38	201	
4	10	10	1	6184	260	3670	105	3240	20	3365	33	45	
5	43	10	1	6184	260	3670	105	3240	20	3365	33	45	
6	40	10	1	5614	239	3313	84	2974	13	3071	34	40	
7	45	10	1	4028	149	2503	56	1977	27	2060	58	27	
8	23	10	1	2923	122	1855	37	1386	6	1429	56	19	
9	30	10	1	2531	105	1492	38	1320	12	1370	31	18	
10	20	10	1	2089	76	1282	26	1022	12	1060	53	14	
11	33	10	1	1992	66	1163	43	1021	29	1094	28	15	
12	6	10	1	1561	59	934	20	774	5	798	52	10	
13	42	10	1	1473	59	821	29	800	3	832	29	11	
14	1	10	1	1252	45	769	12	600	4	616	50	8	
15	11	10	1	1186	35	726	19	562	8	588	49	7	
16	8	10	1	711	28	438	7	313	2	322	48	4	
17	41	10	1	558	22	302	12	292	2	306	26	4	
18	9	10	1	482	15	250	7	269	1	276	26	3	
19	16	10	1	421	17	253	4	171	1	176	45	3	
20	21	10	1	412	15	251	5	163	4	172	42	3	
21	15	10	1	395	10	190	6	188	1	194	1	1	
22	24	10	1	148	2	79	0	65	1	67	24	1	
23	32	10	1	120	3	63	2	45	1	48	23	1	
24	44	10	1	77	2	39	1	27	0	29	18	0	
25	25	10	1	51	1	18	0	14	0	15	22	0	
26	5	10	1	48	1	18	0	13	0	13	21	0	
27	12	10	1	34	1	12	0	6	0	7	16	0	
28	18	10	1	24	0	7	0	5	0	5	13	0	
29	2	10	1	12	0	5	0	4	0	4	4	0	
30	13	10	1	7	0	2	0	2	0	2	4	0	
31	29	10	1.5	187045	7862	122120	3272	87707	954	91933	-221	1385	
32	22	10	1.5	157701	6108	102666	2752	73659	1547	77958	57	1186	
33	17	10	1.5	42160	1915	27780	621	19501	123	20245	57	301	
34	10	10	1.5	9277	390	5505	157	4861	31	5048	50	68	
35	43	10	1.5	9277	390	5505	157	4861	31	5048	50	68	
36	40	10	1.5	8421	359	4970	126	4462	19	4606	51	60	
37	45	10	1.5	6042	224	3754	84	2965	41	3090	86	41	
38	23	10	1.5	4384	183	2782	56	2079	10	2144	84	29	
39	30	10	1.5	3796	158	2238	57	1980	18	2055	47	26	
40	20	10	1.5	3133	114	1923	39	1533	18	1589	80	20	
41	33	10	1.5	2988	99	1745	65	1532	44	1640	42	23	
42	6	10	1.5	2341	89	1402	30	1161	7	1198	78	15	
43	42	10	1.5	2210	89	1231	44	1200	5	1248	44	16	
44	1	10	1.5	1878	67	1153	18	900	5	924	75	11	
45	11	10	1.5	1779	52	1090	29	843	11	883	73	11	
46	8	10	1.5	1067	43	657	11	470	3	483	72	7	
47	41	10	1.5	836	33	452	18	438	3	459	39	6	
48	9	10	1.5	723	23	375	10	403	1	414	40	5	
49	16	10	1.5	631	26	379	7	256	2	264	68	4	
50	21	10	1.5	618	22	377	8	244	6	258	64	4	
51	15	10	1.5	592	14	285	9	282	2	292	2	2	
52	24	10	1.5	222	3	118	1	98	2	100	37	1	
53	32	10	1.5	181	5	95	3	67	2	72	35	1	
54	44	10	1.5	115	4	58	1	41	1	43	27	1	
55	25	10	1.5	77	2	27	1	21	0	22	33	0	

Southampton Sample Sites QUADRO Results Summary													
RC 0-2 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	29	10	1	124,697	5,241	81,413	2,181	58,472	636	61,289	147	923	
2	22	10	1	105,134	4,072	68,444	1,835	49,106	1,032	51,972	38	790	
3	17	10	1	28,107	1,276	18,520	414	13,001	82	13,497	38	201	
4	10	10	1	6,184	260	3,670	105	3,240	20	3,365	33	45	
5	43	10	1	6,184	260	3,670	105	3,240	20	3,365	33	45	
6	40	10	1	5,614	239	3,313	84	2,974	13	3,071	34	40	
7	45	10	1	4,028	149	2,503	56	1,977	27	2,060	58	27	
8	23	10	1	2,923	122	1,855	37	1,386	6	1,429	56	19	
9	30	10	1	2,531	105	1,492	38	1,320	12	1,370	31	18	
10	20	10	1	2,089	76	1,282	26	1,022	12	1,060	53	14	
11	33	10	1	1,992	66	1,163	43	1,021	29	1,094	28	15	
12	6	10	1	1,561	59	934	20	774	5	798	52	10	
13	42	10	1	1,473	59	821	29	800	3	832	29	11	
14	1	10	1	1,252	45	769	12	600	4	616	50	8	
15	11	10	1	1,186	35	726	19	562	8	588	49	7	
16	8	10	1	711	28	438	7	313	2	322	48	4	
17	41	10	1	558	22	302	12	292	2	306	26	4	
18	9	10	1	482	15	250	7	269	1	276	26	3	
19	16	10	1	421	17	253	4	171	1	176	45	3	
20	21	10	1	412	15	251	5	163	4	172	42	3	
21	15	10	1	395	10	190	6	188	1	194	1	1	
22	24	10	1	148	2	79	0	65	1	67	24	1	
23	32	10	1	120	3	63	2	45	1	48	23	1	
24	44	10	1	77	2	39	1	27	0	29	18	0	
25	25	10	1	51	1	18	0	14	0	15	22	0	
26	5	10	1	48	1	18	0	13	-	13	21	0	
27	12	10	1	34	1	12	0	6	0	7	16	0	
28	18	10	1	24	0	7	0	5	-	5	13	0	
29	2	10	1	12	0	5	-	4	-	4	4	-	
30	13	10	1	7	0	2	-	2	-	2	4	-	
31	29	10	1.5	187,045	7,862	122,120	3,272	87,707	954	91,933	221	1,385	
32	22	10	1.5	157,701	6,108	102,666	2,752	73,659	1,547	77,958	57	1,186	
33	17	10	1.5	42,160	1,915	27,780	621	19,501	123	20,245	57	301	
34	10	10	1.5	9,277	390	5,505	157	4,861	31	5,048	50	68	
35	43	10	1.5	9,277	390	5,505	157	4,861	31	5,048	50	68	
36	40	10	1.5	8,421	359	4,970	126	4,462	19	4,606	51	60	
37	45	10	1.5	6,042	224	3,754	84	2,965	41	3,090	86	41	
38	23	10	1.5	4,384	183	2,782	56	2,079	10	2,144	84	29	
39	30	10	1.5	3,796	158	2,238	57	1,980	18	2,055	47	26	
40	20	10	1.5	3,133	114	1,923	39	1,533	18	1,589	80	20	
41	33	10	1.5	2,988	99	1,745	65	1,532	44	1,640	42	23	
42	6	10	1.5	2,341	89	1,402	30	1,161	7	1,198	78	15	
43	42	10	1.5	2,210	89	1,231	44	1,200	5	1,248	44	16	
44	1	10	1.5	1,878	67	1,153	18	900	5	924	75	11	
45	11	10	1.5	1,779	52	1,090	29	843	11	883	73	11	
46	8	10	1.5	1,067	43	657	11	470	3	483	72	7	
47	41	10	1.5	836	33	452	18	438	3	459	39	6	
48	9	10	1.5	723	23	375	10	403	1	414	40	5	
49	16	10	1.5	631	26	379	7	256	2	264	68	4	
50	21	10	1.5	618	22	377	8	244	6	258	64	4	
51	15	10	1.5	592	14	285	9	282	2	292	2	2	
52	24	10	1.5	222	3	118	1	98	2	100	37	1	
53	32	10	1.5	181	5	95	3	67	2	72	35	1	
54	44	10	1.5	115	4	58	1	41	1	43	27	1	
55	25	10	1.5	77	2	27	1	21	0	22	33	0	

Southampton Sample Sites QUADRO Results Summary												
RC 0-2 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
56	5	10	1.5	72	2	26	1	19	0	19	32	0
57	12	10	1.5	51	1	17	0	10	0	10	24	0
58	18	10	1.5	36	1	10	0	8	0	8	20	0
59	2	10	1.5	17	0	7	0	5	0	5	7	0
60	13	10	1.5	11	0	3	0	3	0	3	6	0
61	29	10	2	249393	10482	162827	4363	116943	1272	122578	-295	1846
62	22	10	2	210267	8143	136888	3669	98212	2063	103944	75	1581
63	17	10	2	56213	2553	37040	827	26002	164	26993	76	402
64	10	10	2	12369	519	7340	209	6481	41	6731	67	90
65	43	10	2	12369	519	7340	209	6481	41	6731	67	90
66	40	10	2	11228	479	6626	167	5949	25	6141	67	79
67	45	10	2	8056	299	5005	111	3953	55	4120	115	55
68	23	10	2	5845	244	3709	74	2772	13	2859	113	38
69	30	10	2	5062	210	2984	76	2640	25	2741	62	35
70	20	10	2	4177	152	2564	51	2044	24	2119	106	27
71	33	10	2	3984	132	2326	87	2042	58	2187	56	31
72	6	10	2	3121	119	1869	39	1548	10	1597	103	21
73	42	10	2	2946	119	1642	59	1599	6	1665	58	21
74	1	10	2	2505	89	1538	25	1200	7	1232	100	15
75	11	10	2	2372	70	1453	38	1124	15	1177	97	15
76	8	10	2	1423	57	876	14	626	3	643	96	9
77	41	10	2	1115	45	603	24	585	3	612	52	8
78	9	10	2	964	31	500	13	537	1	552	53	6
79	16	10	2	841	34	505	9	341	3	353	90	5
80	21	10	2	823	29	502	10	325	8	343	85	5
81	15	10	2	790	19	380	11	375	2	389	2	2
82	24	10	2	295	3	157	1	131	2	134	49	1
83	32	10	2	241	7	127	4	89	3	96	47	1
84	44	10	2	154	5	77	1	55	1	57	36	1
85	25	10	2	102	2	36	1	28	0	29	44	1
86	5	10	2	96	2	35	1	25	0	26	43	0
87	12	10	2	67	1	23	1	13	0	14	32	0
88	18	10	2	48	1	13	0	11	0	11	27	0
89	2	10	2	23	0	9	0	7	0	7	9	0
90	13	10	2	15	0	4	0	3	0	3	8	0
91	29	10	2.5	311741	13103	203533	5454	146179	1590	153222	-368	2308
92	22	10	2.5	262834	10179	171110	4586	122765	2579	129930	94	1976
93	17	10	2.5	70266	3191	46300	1034	32502	205	33741	95	502
94	10	10	2.5	15461	649	9175	262	8101	51	8414	84	113
95	43	10	2.5	15461	649	9175	262	8101	51	8414	84	113
96	40	10	2.5	14035	599	8283	209	7436	31	7677	84	99
97	45	10	2.5	10070	373	6257	139	4942	69	5150	144	68
98	23	10	2.5	7307	305	4637	93	3465	16	3573	141	48
99	30	10	2.5	6327	263	3729	95	3300	31	3426	78	44
100	20	10	2.5	5221	190	3204	64	2555	30	2649	133	34
101	33	10	2.5	4980	165	2908	109	2553	73	2734	70	39
102	6	10	2.5	3901	148	2336	49	1935	12	1996	129	26
103	42	10	2.5	3683	149	2052	74	1999	8	2081	73	27
104	1	10	2.5	3131	112	1922	31	1500	9	1540	125	19
105	11	10	2.5	2965	87	1816	48	1404	19	1471	122	18
106	8	10	2.5	1779	71	1095	18	783	4	804	120	11
107	41	10	2.5	1394	56	754	30	731	4	765	65	10

Southampton Sample Sites QUADRO Results Summary													
RC 0-2 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	
56	5	10	1.5	72	2	26	1	19	-	19	32	0	
57	12	10	1.5	51	1	17	0	10	0	10	24	0	
58	18	10	1.5	36	1	10	0	8	-	8	20	0	
59	2	10	1.5	17	0	7	-	5	-	5	7	-	
60	13	10	1.5	11	0	3	-	3	-	3	6	-	
61	29	10	2	249,393	10,482	162,827	4,363	116,943	1,272	122,578	295	1,846	
62	22	10	2	210,267	8,143	136,888	3,669	98,212	2,063	103,944	75	1,581	
63	17	10	2	56,213	2,553	37,040	827	26,002	164	26,993	76	402	
64	10	10	2	12,369	519	7,340	209	6,481	41	6,731	67	90	
65	43	10	2	12,369	519	7,340	209	6,481	41	6,731	67	90	
66	40	10	2	11,228	479	6,626	167	5,949	25	6,141	67	79	
67	45	10	2	8,056	299	5,005	111	3,953	55	4,120	115	55	
68	23	10	2	5,845	244	3,709	74	2,772	13	2,859	113	38	
69	30	10	2	5,062	210	2,984	76	2,640	25	2,741	62	35	
70	20	10	2	4,177	152	2,564	51	2,044	24	2,119	106	27	
71	33	10	2	3,984	132	2,326	87	2,042	58	2,187	56	31	
72	6	10	2	3,121	119	1,869	39	1,548	10	1,597	103	21	
73	42	10	2	2,946	119	1,642	59	1,599	6	1,665	58	21	
74	1	10	2	2,505	89	1,538	25	1,200	7	1,232	100	15	
75	11	10	2	2,372	70	1,453	38	1,124	15	1,177	97	15	
76	8	10	2	1,423	57	876	14	626	3	643	96	9	
77	41	10	2	1,115	45	603	24	585	3	612	52	8	
78	9	10	2	964	31	500	13	537	1	552	53	6	
79	16	10	2	841	34	505	9	341	3	353	90	5	
80	21	10	2	823	29	502	10	325	8	343	85	5	
81	15	10	2	790	19	380	11	375	2	389	2	2	
82	24	10	2	295	3	157	1	131	2	134	49	1	
83	32	10	2	241	7	127	4	89	3	96	47	1	
84	44	10	2	154	5	77	1	55	1	57	36	1	
85	25	10	2	102	2	36	1	28	0	29	44	1	
86	5	10	2	96	2	35	1	25	-	26	43	0	
87	12	10	2	67	1	23	1	13	0	14	32	0	
88	18	10	2	48	1	13	0	11	-	11	27	0	
89	2	10	2	23	0	9	-	7	-	7	9	-	
90	13	10	2	15	0	4	-	3	-	3	8	-	
91	29	10	2.5	311,741	13,103	203,533	5,454	146,179	1,590	153,222	368	2,308	
92	22	10	2.5	262,834	10,179	171,110	4,586	122,765	2,579	129,930	94	1,976	
93	17	10	2.5	70,266	3,191	46,300	1,034	32,502	205	33,741	95	502	
94	10	10	2.5	15,461	649	9,175	262	8,101	51	8,414	84	113	
95	43	10	2.5	15,461	649	9,175	262	8,101	51	8,414	84	113	
96	40	10	2.5	14,035	599	8,283	209	7,436	31	7,677	84	99	
97	45	10	2.5	10,070	373	6,257	139	4,942	69	5,150	144	68	
98	23	10	2.5	7,307	305	4,637	93	3,465	16	3,573	141	48	
99	30	10	2.5	6,327	263	3,729	95	3,300	31	3,426	78	44	
100	20	10	2.5	5,221	190	3,204	64	2,555	30	2,649	133	34	
101	33	10	2.5	4,980	165	2,908	109	2,553	73	2,734	70	39	
102	6	10	2.5	3,901	148	2,336	49	1,935	12	1,996	129	26	
103	42	10	2.5	3,683	149	2,052	74	1,999	8	2,081	73	27	
104	1	10	2.5	3,131	112	1,922	31	1,500	9	1,540	125	19	
105	11	10	2.5	2,965	87	1,816	48	1,404	19	1,471	122	18	
106	8	10	2.5	1,779	71	1,095	18	783	4	804	120	11	
107	41	10	2.5	1,394	56	754	30	731	4	765	65	10	

Southampton Sample Sites QUADRO Results Summary												
RC 0-2 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
108	9	10	2.5	1205	39	625	17	672	2	690	66	8
109	16	10	2.5	1052	43	631	11	426	3	441	113	6
110	21	10	2.5	1029	37	628	13	407	10	429	106	7
111	15	10	2.5	987	24	475	14	469	3	486	3	3
112	24	10	2.5	369	4	196	1	164	3	167	61	1
113	32	10	2.5	301	9	158	5	112	4	120	58	2
114	44	10	2.5	192	6	97	2	69	1	71	45	1
115	25	10	2.5	128	3	45	1	35	0	37	55	1
116	5	10	2.5	120	3	44	1	31	0	32	53	0
117	12	10	2.5	84	2	29	1	16	0	17	40	0
118	18	10	2.5	60	1	17	0	13	0	14	34	0
119	2	10	2.5	29	0	12	0	9	0	9	11	0
120	13	10	2.5	18	0	6	0	4	0	4	10	0
121	29	10	3	374090	15723	244240	6544	175415	1908	183866	-442	2769
122	22	10	3	315401	12215	205332	5504	147318	3095	155916	113	2371
123	17	10	3	84320	3829	55560	1241	39002	246	40490	114	603
124	10	10	3	18553	779	11010	314	9721	61	10096	100	135
125	43	10	3	18553	779	11010	314	9721	61	10096	100	135
126	40	10	3	16842	718	9939	251	8923	38	9212	101	119
127	45	10	3	12084	448	7508	167	5930	82	6180	173	82
128	23	10	3	8768	366	5564	111	4157	19	4288	169	57
129	30	10	3	7593	315	4475	114	3960	37	4111	93	53
130	20	10	3	6266	228	3845	77	3066	36	3179	159	41
131	33	10	3	5976	198	3489	130	3064	87	3281	84	46
132	6	10	3	4682	178	2803	59	2321	15	2395	155	31
133	42	10	3	4419	178	2463	88	2399	9	2497	87	32
134	1	10	3	3757	134	2307	37	1800	11	1848	150	23
135	11	10	3	3558	105	2179	57	1685	23	1765	146	22
136	8	10	3	2134	85	1314	21	939	5	965	144	13
137	41	10	3	1673	67	905	36	877	5	918	78	12
138	9	10	3	1446	46	750	20	806	2	828	79	9
139	16	10	3	1262	51	758	13	512	4	529	135	8
140	21	10	3	1235	44	753	15	488	12	515	127	8
141	15	10	3	1185	29	570	17	563	3	583	3	3
142	24	10	3	443	5	236	1	196	3	201	73	2
143	32	10	3	361	10	190	6	134	4	145	70	2
144	44	10	3	231	7	116	2	82	1	86	54	1
145	25	10	3	153	3	55	1	42	0	44	66	1
146	5	10	3	144	3	53	1	38	0	39	64	0
147	12	10	3	101	2	35	1	19	0	20	48	0
148	18	10	3	72	1	20	0	16	0	16	40	0
149	2	10	3	35	0	14	0	11	0	11	13	0
150	13	10	3	22	0	7	0	5	0	5	12	0
151	29	10	3.5	436438	18344	284947	7635	204650	2226	214511	-516	3231
152	22	10	3.5	367968	14251	239554	6421	171871	3611	181902	132	2767
153	17	10	3.5	98373	4468	64820	1448	45503	287	47238	133	703
154	10	10	3.5	21646	909	12845	367	11341	72	11779	117	158
155	43	10	3.5	21646	909	12845	367	11341	72	11779	117	158
156	40	10	3.5	19649	838	11596	293	10411	44	10748	118	139
157	45	10	3.5	14098	523	8759	195	6919	96	7210	202	96
158	23	10	3.5	10230	428	6491	130	4850	23	5002	197	67
159	30	10	3.5	8858	368	5221	133	4620	43	4796	109	62
160	20	10	3.5	7310	266	4486	90	3577	42	3709	186	48
161	33	10	3.5	6972	231	4071	152	3574	102	3828	99	54
162	6	10	3.5	5462	208	3271	69	2708	17	2794	181	36

Southampton Sample Sites QUADRO Results Summary												
RC 0-2 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
108	9	10	2.5	1,205	39	625	17	672	2	690	66	8
109	16	10	2.5	1,052	43	631	11	426	3	441	113	6
110	21	10	2.5	1,029	37	628	13	407	10	429	106	7
111	15	10	2.5	987	24	475	14	469	3	486	3	3
112	24	10	2.5	369	4	196	1	164	3	167	61	1
113	32	10	2.5	301	9	158	5	112	4	120	58	2
114	44	10	2.5	192	6	97	2	69	1	71	45	1
115	25	10	2.5	128	3	45	1	35	0	37	55	1
116	5	10	2.5	120	3	44	1	31	-	32	53	0
117	12	10	2.5	84	2	29	1	16	0	17	40	0
118	18	10	2.5	60	1	17	0	13	-	14	34	0
119	2	10	2.5	29	0	12	-	9	-	9	11	-
120	13	10	2.5	18	0	6	-	4	-	4	10	-
121	29	10	3	374,090	15,723	244,240	6,544	175,415	1,908	183,866	442	2,769
122	22	10	3	315,401	12,215	205,332	5,504	147,318	3,095	155,916	113	2,371
123	17	10	3	84,320	3,829	55,560	1,241	39,002	246	40,490	114	603
124	10	10	3	18,553	779	11,010	314	9,721	61	10,096	100	135
125	43	10	3	18,553	779	11,010	314	9,721	61	10,096	100	135
126	40	10	3	16,842	718	9,939	251	8,923	38	9,212	101	119
127	45	10	3	12,084	448	7,508	167	5,930	82	6,180	173	82
128	23	10	3	8,768	366	5,564	111	4,157	19	4,288	169	57
129	30	10	3	7,593	315	4,475	114	3,960	37	4,111	93	53
130	20	10	3	6,266	228	3,845	77	3,066	36	3,179	159	41
131	33	10	3	5,976	198	3,489	130	3,064	87	3,281	84	46
132	6	10	3	4,682	178	2,803	59	2,321	15	2,395	155	31
133	42	10	3	4,419	178	2,463	88	2,399	9	2,497	87	32
134	1	10	3	3,757	134	2,307	37	1,800	11	1,848	150	23
135	11	10	3	3,558	105	2,179	57	1,685	23	1,765	146	22
136	8	10	3	2,134	85	1,314	21	939	5	965	144	13
137	41	10	3	1,673	67	905	36	877	5	918	78	12
138	9	10	3	1,446	46	750	20	806	2	828	79	9
139	16	10	3	1,262	51	758	13	512	4	529	135	8
140	21	10	3	1,235	44	753	15	488	12	515	127	8
141	15	10	3	1,185	29	570	17	563	3	583	3	3
142	24	10	3	443	5	236	1	196	3	201	73	2
143	32	10	3	361	10	190	6	134	4	145	70	2
144	44	10	3	231	7	116	2	82	1	86	54	1
145	25	10	3	153	3	55	1	42	0	44	66	1
146	5	10	3	144	3	53	1	38	-	39	64	0
147	12	10	3	101	2	35	1	19	0	20	48	0
148	18	10	3	72	1	20	0	16	-	16	40	0
149	2	10	3	35	0	14	-	11	-	11	13	-
150	13	10	3	22	0	7	-	5	-	5	12	-
151	29	10	3.5	436,438	18,344	284,947	7,635	204,650	2,226	214,511	516	3,231
152	22	10	3.5	367,968	14,251	239,554	6,421	171,871	3,611	181,902	132	2,767
153	17	10	3.5	98,373	4,468	64,820	1,448	45,503	287	47,238	133	703
154	10	10	3.5	21,646	909	12,845	367	11,341	72	11,779	117	158
155	43	10	3.5	21,646	909	12,845	367	11,341	72	11,779	117	158
156	40	10	3.5	19,649	838	11,596	293	10,411	44	10,748	118	139
157	45	10	3.5	14,098	523	8,759	195	6,919	96	7,210	202	96
158	23	10	3.5	10,230	428	6,491	130	4,850	23	5,002	197	67
159	30	10	3.5	8,858	368	5,221	133	4,620	43	4,796	109	62
160	20	10	3.5	7,310	266	4,486	90	3,577	42	3,709	186	48
161	33	10	3.5	6,972	231	4,071	152	3,574	102	3,828	99	54
162	6	10	3.5	5,462	208	3,271	69	2,708	17	2,794	181	36

Southampton Sample Sites QUADRO Results Summary													
RC 0-2 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	
163	42	10	3.5	5156	208	2873	103	2799	11	2913	102	38	
164	1	10	3.5	4383	157	2691	43	2100	13	2156	175	27	
165	11	10	3.5	4151	122	2542	67	1966	27	2060	171	26	
166	8	10	3.5	2490	100	1533	25	1096	6	1126	168	16	
167	41	10	3.5	1952	78	1055	43	1023	6	1072	91	15	
168	9	10	3.5	1688	54	875	24	940	3	966	93	11	
169	16	10	3.5	1473	60	884	16	597	5	617	158	9	
170	21	10	3.5	1441	52	879	18	569	14	601	149	10	
171	15	10	3.5	1382	34	666	20	657	4	681	4	4	
172	24	10	3.5	517	6	275	2	229	4	234	86	2	
173	32	10	3.5	422	12	221	7	157	5	169	82	3	
174	44	10	3.5	269	9	136	3	96	2	100	63	2	
175	25	10	3.5	179	4	64	2	49	1	51	78	1	
176	5	10	3.5	168	4	62	2	44	0	45	75	1	
177	12	10	3.5	118	3	41	1	22	1	24	57	1	
178	18	10	3.5	84	2	23	1	19	0	19	47	1	
179	2	10	3.5	41	1	16	0	13	0	13	16	0	
180	13	10	3.5	26	1	8	0	6	0	6	14	0	
181	29	10	4	498786	20964	325653	8726	233886	2543	245155	-589	3692	
182	22	10	4	420535	16287	273776	7338	196424	4126	207888	151	3162	
183	17	10	4	112426	5106	74080	1655	52003	328	53986	151	803	
184	10	10	4	24738	1039	14680	419	12961	82	13462	134	180	
185	43	10	4	24738	1039	14680	419	12961	82	13462	134	180	
186	40	10	4	22455	958	13252	335	11898	50	12283	135	159	
187	45	10	4	16111	597	10011	223	7907	110	8240	230	109	
188	23	10	4	11691	489	7419	148	5543	26	5717	225	76	
189	30	10	4	10123	420	5967	152	5280	49	5481	125	70	
190	20	10	4	8354	304	5127	103	4088	47	4239	213	54	
191	33	10	4	7968	263	4653	174	4085	116	4375	113	62	
20	21	10	1	412	15	251	5	163	4	172	42	3	
193	42	10	4	5892	238	3284	118	3199	13	3329	116	43	
194	1	10	4	5009	179	3075	49	2400	14	2463	200	30	
195	11	10	4	4744	139	2905	77	2247	30	2354	195	29	
196	8	10	4	2846	114	1752	28	1252	7	1287	191	18	
197	41	10	4	2230	89	1206	49	1169	7	1225	104	17	
198	9	10	4	1929	62	1000	27	1075	3	1104	106	12	
199	16	10	4	1683	68	1010	18	682	5	705	180	10	
200	21	10	4	1647	59	1005	20	651	16	687	170	11	
201	15	10	4	1579	38	761	23	751	4	778	4	4	
202	24	10	4	591	7	314	2	262	4	268	98	2	
203	32	10	4	482	14	253	8	179	6	193	93	3	
204	44	10	4	307	10	155	3	110	2	114	71	2	
205	25	10	4	204	5	73	2	56	1	59	89	1	
206	5	10	4	192	5	71	2	50	0	52	85	1	
207	12	10	4	135	3	47	1	25	1	27	65	1	
208	18	10	4	95	2	27	1	21	0	22	54	1	
209	2	10	4	46	1	19	0	14	0	14	18	0	
210	13	10	4	29	1	9	0	7	0	7	15	0	
211	43	10	4.5	27830	1169	16515	471	14582	92	15145	150	203	
212	20	10	4.5	9399	342	5768	116	4599	53	4768	239	61	
213	11	10	4.5	5337	157	3269	86	2528	34	2648	219	33	
214	21	10	4.5	1853	66	1130	23	732	18	773	191	12	
215	25	10	4.5	230	5	82	2	63	1	66	100	1	
216	13	10	4.5	33	1	10	0	8	0	8	17	0	
217	45	30	1	4028	149	2503	56	1977	27	2060	58	27	
218	23	30	1	2923	122	1855	37	1386	6	1429	56	19	

Southampton Sample Sites QUADRO Results Summary													
RC 0-2 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	
163	42	10	3.5	5,156	208	2,873	103	2,799	11	2,913	102	38	
164	1	10	3.5	4,383	157	2,691	43	2,100	13	2,156	175	27	
165	11	10	3.5	4,151	122	2,542	67	1,966	27	2,060	171	26	
166	8	10	3.5	2,490	100	1,533	25	1,096	6	1,126	168	16	
167	41	10	3.5	1,952	78	1,055	43	1,023	6	1,072	91	15	
168	9	10	3.5	1,688	54	875	24	940	3	966	93	11	
169	16	10	3.5	1,473	60	884	16	597	5	617	158	9	
170	21	10	3.5	1,441	52	879	18	569	14	601	149	10	
171	15	10	3.5	1,382	34	666	20	657	4	681	4	4	
172	24	10	3.5	517	6	275	2	229	4	234	86	2	
173	32	10	3.5	422	12	221	7	157	5	169	82	3	
174	44	10	3.5	269	9	136	3	96	2	100	63	2	
175	25	10	3.5	179	4	64	2	49	1	51	78	1	
176	5	10	3.5	168	4	62	2	44	-	45	75	1	
177	12	10	3.5	118	3	41	1	22	1	24	57	1	
178	18	10	3.5	84	2	23	1	19	-	19	47	1	
179	2	10	3.5	41	1	16	-	13	-	13	16	-	
180	13	10	3.5	26	1	8	-	6	-	6	14	-	
181	29	10	4	498,786	20,964	325,653	8,726	233,886	2,543	245,155	589	3,692	
182	22	10	4	420,535	16,287	273,776	7,338	196,424	4,126	207,888	151	3,162	
183	17	10	4	112,426	5,106	74,080	1,655	52,003	328	53,986	151	803	
184	10	10	4	24,738	1,039	14,680	419	12,961	82	13,462	134	180	
185	43	10	4	24,738	1,039	14,680	419	12,961	82	13,462	134	180	
186	40	10	4	22,455	958	13,252	335	11,898	50	12,283	135	159	
187	45	10	4	16,111	597	10,011	223	7,907	110	8,240	230	109	
188	23	10	4	11,691	489	7,419	148	5,543	26	5,717	225	76	
189	30	10	4	10,123	420	5,967	152	5,280	49	5,481	125	70	
190	20	10	4	8,354	304	5,127	103	4,088	47	4,239	213	54	
191	33	10	4	7,968	263	4,653	174	4,085	116	4,375	113	62	
20	21	10	1	412	15	251	5	163	4	172	42	3	
193	42	10	4	5,892	238	3,284	118	3,199	13	3,329	116	43	
194	1	10	4	5,009	179	3,075	49	2,400	14	2,463	200	30	
195	11	10	4	4,744	139	2,905	77	2,247	30	2,354	195	29	
196	8	10	4	2,846	114	1,752	28	1,252	7	1,287	191	18	
197	41	10	4	2,230	89	1,206	49	1,169	7	1,225	104	17	
198	9	10	4	1,929	62	1,000	27	1,075	3	1,104	106	12	
199	16	10	4	1,683	68	1,010	18	682	5	705	180	10	
200	21	10	4	1,647	59	1,005	20	651	16	687	170	11	
201	15	10	4	1,579	38	761	23	751	4	778	4	4	
202	24	10	4	591	7	314	2	262	4	268	98	2	
203	32	10	4	482	14	253	8	179	6	193	93	3	
204	44	10	4	307	10	155	3	110	2	114	71	2	
205	25	10	4	204	5	73	2	56	1	59	89	1	
206	5	10	4	192	5	71	2	50	-	52	85	1	
44	1	10	4	135	3	47	1	25	1	27	65	1	
208	18	10	4	95	2	27	1	21	-	22	54	1	
209	2	10	4	46	1	19	-	14	-	14	18	-	
210	13	10	4	29	1	9	-	7	-	7	15	-	
211	43	10	4.5	27,830	1,169	16,515	471	14,582	92	15,145	150	203	
212	20	10	4.5	9,399	342	5,768	116	4,599	53	4,768	239	61	
213	11	10	4.5	5,337	157	3,269	86	2,528	34	2,648	219	33	
214	21	10	4.5	1,853	66	1,130	23	732	18	773	191	12	
215	25	10	4.5	230	5	82	2	63	1	66	100	1	
216	13	10	4.5	33	1	10	-	8	-	8	17	-	
217	45	30	1	4,028	149	2,503	56	1,977	27	2,060	58	27	
218	23	30	1	2,923	122	1,855	37	1,386	6	1,429	56	19	

Southampton Sample Sites QUADRO Results Summary												
RC 0-2 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
219	30	50	1	2679	106	1509	38	1330	12	1380	155	18
220	20	50	1	3418	128	2098	44	1663	20	1727	88	23
221	33	50	1	2137	67	1185	44	1035	30	1109	141	16
222	6	50	1	2677	105	1598	36	1329	9	1373	86	18
223	42	50	1	1617	61	840	30	812	3	845	145	11
224	1	50	1	2287	86	1400	25	1101	7	1132	83	14
225	11	50	1	2192	71	1334	40	1044	15	1098	81	15
226	8	50	1	1444	59	892	15	651	4	669	80	9
227	41	50	1	693	24	322	13	307	2	321	130	4
228	9	50	1	619	17	270	7	284	1	292	132	3
229	16	50	1	884	34	539	9	377	3	388	75	5
230	21	50	1	712	25	437	8	283	7	299	71	5
231	15	50	1	468	8	231	6	217	1	225	5	0
232	24	50	1	281	3	103	1	82	1	84	122	1
233	32	50	1	273	5	105	3	70	2	75	116	1
234	44	50	1	207	5	78	1	55	1	57	89	1
235	13	50	1	26	0	4	0	4	0	4	20	0
236	22	50	1	105312	4072	68456	1835	49108	1032	51974	204	790
237	30	100	1	3025	107	1649	38	1357	13	1408	311	18
238	20	100	1	6798	262	4246	87	3015	39	3140	177	45
239	33	100	1	2358	68	1242	45	1016	30	1091	282	16
240	6	100	1	5229	208	3157	70	2379	17	2465	173	35
241	42	100	1	1845	62	898	31	812	3	846	291	11
242	1	100	1	4538	178	2782	51	2034	14	2099	167	29
243	11	100	1	4426	154	2686	85	1960	31	2076	163	31
244	8	100	1	3144	132	1940	35	1351	8	1394	160	20
245	41	100	1	902	25	376	14	328	2	344	260	5
246	9	100	1	869	18	346	8	326	1	335	264	4
247	16	100	1	2168	85	1328	23	901	7	931	150	13
248	21	100	1	1813	57	1128	20	717	17	754	141	11
249	15	100	1	606	6	310	7	273	1	281	11	-1
250	24	100	1	516	5	180	1	129	2	132	244	1
251	45	200	1	33674	1363	21668	462	15770	217	16449	382	232
252	23	200	1	23130	1054	15386	289	10230	49	10568	374	155
253	30	200	1	3449	109	1733	39	1465	13	1517	622	18
254	20	200	1	15357	618	9775	196	7125	85	7407	354	104
255	33	200	1	2757	70	1324	46	1123	31	1200	564	17
256	6	200	1	10713	438	6589	142	5101	34	5277	345	72
257	42	200	1	2243	65	972	32	899	4	935	581	12
258	1	200	1	8347	332	5179	94	3887	25	4006	333	54
259	11	200	1	8637	312	5304	166	4005	59	4230	325	60
260	8	200	1	5788	245	3587	63	2584	15	2663	319	37
261	41	200	1	1278	28	455	15	399	2	416	520	5
262	9	200	1	1271	22	366	9	415	1	425	529	4
263	16	200	1	4260	171	2596	48	1874	13	1936	300	27
264	21	200	1	3779	125	2341	46	1596	37	1680	282	24
265	15	200	1	806	2	423	8	354	2	364	21	-3
266	24	200	1	905	8	282	2	202	3	207	488	2
267	32	200	1	898	13	297	7	188	6	201	466	3
268	44	200	1	734	14	251	4	176	2	183	357	2
Average			2	15661	647	10149	268	7380	93	7741	18	115
No. of Works				2352	2352	2352	2352	2352	2352	2352	2352	2352
Cost of Congestion	£			36,835,138	1520817	23870515	631311	17357604	218232	18207147	41669	271428

Southampton Sample Sites QUADRO Results Summary												
RC 0-2 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
219	30	50	1	2,679	106	1,509	38	1,330	12	1,380	155	18
220	20	50	1	3,418	128	2,098	44	1,663	20	1,727	88	23
221	33	50	1	2,137	67	1,185	44	1,035	30	1,109	141	16
222	6	50	1	2,677	105	1,598	36	1,329	9	1,373	86	18
223	42	50	1	1,617	61	840	30	812	3	845	145	11
224	1	50	1	2,287	86	1,400	25	1,101	7	1,132	83	14
225	11	50	1	2,192	71	1,334	40	1,044	15	1,098	81	15
226	8	50	1	1,444	59	892	15	651	4	669	80	9
227	41	50	1	693	24	322	13	307	2	321	130	4
228	9	50	1	619	17	270	7	284	1	292	132	3
229	16	50	1	884	34	539	9	377	3	388	75	5
230	21	50	1	712	25	437	8	283	7	299	71	5
231	15	50	1	468	8	231	6	217	1	225	5	0
232	24	50	1	281	3	103	1	82	1	84	122	1
233	32	50	1	273	5	105	3	70	2	75	116	1
234	44	50	1	207	5	78	1	55	1	57	89	1
235	13	50	1	26	0	4	-	4	-	4	20	-
236	22	50	1	105,312	4,072	68,456	1,835	49,108	1,032	51,974	204	790
237	30	100	1	3,025	107	1,649	38	1,357	13	1,408	311	18
238	20	100	1	6,798	262	4,246	87	3,015	39	3,140	177	45
239	33	100	1	2,358	68	1,242	45	1,016	30	1,091	282	16
240	6	100	1	5,229	208	3,157	70	2,379	17	2,465	173	35
241	42	100	1	1,845	62	898	31	812	3	846	291	11
242	1	100	1	4,538	178	2,782	51	2,034	14	2,099	167	29
243	11	100	11	4,426	154	2,686	85	1,960	31	2,076	163	31
244	8	100	8	3,144	132	1,940	35	1,351	8	1,394	160	20
245	41	100	41	902	25	376	14	328	2	344	260	5
246	9	100	9	869	18	346	8	326	1	335	264	4
247	16	100	16	2,168	85	1,328	23	901	7	931	150	13
248	21	100	21	1,813	57	1,128	20	717	17	754	141	11
249	15	100	15	606	6	310	7	273	1	281	11	1
250	24	100	24	516	5	180	1	129	2	132	244	1
251	45	200	45	33,674	1,363	21,668	462	15,770	217	16,449	382	232
252	23	200	23	23,130	1,054	15,386	289	10,230	49	10,568	374	155
253	30	200	30	3,449	109	1,733	39	1,465	13	1,517	622	18
254	20	200	20	15,357	618	9,775	196	7,125	85	7,407	354	104
255	33	200	33	2,757	70	1,324	46	1,123	31	1,200	564	17
256	6	200	6	10,713	438	6,589	142	5,101	34	5,277	345	72
257	42	200	42	2,243	65	972	32	899	4	935	581	12
258	1	200	1	8,347	332	5,179	94	3,887	25	4,006	333	54
259	11	200	1	8,637	312	5,304	166	4,005	59	4,230	325	60
260	8	200	1	5,788	245	3,587	63	2,584	15	2,663	319	37
261	41	200	1	1,278	28	455	15	399	2	416	520	5
262	9	200	1	1,271	22	366	9	415	1	425	529	4
263	16	200	1	4,260	171	2,596	48	1,874	13	1,936	300	27
264	21	200	1	3,779	125	2,341	46	1,596	37	1,680	282	24
265	15	200	1	806	2	423	8	354	2	364	21	3
266	24	200	1	905	8	282	2	202	3	207	488	2
267	32	200	1	898	13	297	7	188	6	201	466	3
268	44	200	1	734	14	251	4	176	2	183	357	2
Average			2	15,661	647	10,149	268	7,380	93	7,741	18	115
No. of Works				2,352	2,352	2,352	2,352	2,352	2,352	2,352	2,352	2,352
Cost of Congestion	£			36,835,138	1,520,817	23,870,515	631,311	17,357,604	218,232	18,207,147	41,669	271,428

Southampton Sample Sites QUADRO Results Summary													
RC 0-2 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	29	10	14	1745752	73374	1139786	30540	818602	8902	858044	-2062	12922	
2	22	10	14	1471872	57004	958217	25684	687482	14442	727608	528	11066	
3	17	10	14	393492	17870	259279	5792	182011	1148	188951	530	2812	
4	10	10	14	86582	3636	51379	1466	45365	286	47117	468	630	
5	43	10	14	86582	3636	51379	1466	45365	286	47117	468	630	
6	40	10	14	78594	3352	46382	1172	41642	176	42990	472	556	
7	45	10	14	56390	2090	35038	780	27674	384	28838	806	382	
8	23	10	9	26304	1099	16692	333	12472	58	12863	507	171	
9	30	10	9	22778	945	13426	342	11880	111	12333	280	158	
10	20	10	9	18797	684	11536	231	9199	107	9537	478	122	
11	33	10	9	17928	593	10468	391	9191	261	9843	253	139	
12	6	10	9	14045	534	8410	177	6964	44	7186	465	93	
13	42	10	9	13257	535	7389	265	7197	28	7491	261	96	
14	1	10	9	11271	402	6920	111	5400	32	5543	450	68	
15	11	10	9	10674	314	6537	172	5056	68	5296	438	66	
16	8	10	7	4980	199	3066	49	2191	12	2252	335	31	
17	41	10	7	3903	156	2111	85	2046	12	2143	182	29	
18	9	10	7	3375	108	1751	47	1880	5	1932	185	21	
19	16	10	7	2945	119	1768	31	1194	9	1234	315	18	
20	21	10	7	2882	103	1758	35	1139	28	1202	297	19	
21	15	10	7	2764	67	1331	40	1314	7	1361	7	7	
22	24	10	7	1034	12	550	3	458	7	468	171	4	
23	32	10	7	843	24	443	14	313	10	337	163	5	
24	44	10	7	538	17	271	5	192	3	200	125	3	
25	25	10	7	357	8	127	3	98	1	102	155	2	
26	5	10	7	336	8	124	3	88	0	91	149	1	
27	12	10	7	236	5	82	2	44	1	47	113	1	
28	18	10	7	167	3	47	1	37	0	38	94	1	
29	2	10	7	81	1	32	0	25	0	25	31	0	
30	13	10	7	51	1	16	0	12	0	12	27	0	
31	43	10	7	43291	1818	25690	733	22682	143	23558	234	315	
32	20	10	7	14620	532	8972	180	7154	83	7417	372	95	
33	11	10	14	16604	488	10169	268	7865	106	8239	682	102	
34	21	10	9	3705	132	2260	45	1464	36	1545	382	24	
35	25	10	7	357	8	127	3	98	1	102	155	2	
36	13	10	7	51	1	16	0	12	0	12	27	0	
Average			9	115484	4719	74543	1957	54606	744	57308	237	850	
No. of Works				318	318	318	318	318	318	318	318	318	
Cost of Congestion			£	36,724,039	1500589	23704671	622480	17364657	236702	18223838	75473	270223	

Southampton Sample Sites QUADRO Results Summary													
RC 0-2 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	29	10	7	872,876	36,687	569,893	15,270	409,301	4,451	429,022	-	1,031	6,461
2	22	10	7	735,936	28,502	479,108	12,842	343,741	7,221	363,804		264	5,533
3	17	10	7	196,746	8,935	129,640	2,896	91,006	574	94,476		265	1,406
4	10	10	7	43,291	1,818	25,690	733	22,682	143	23,558		234	315
5	43	10	7	43,291	1,818	25,690	733	22,682	143	23,558		234	315
6	40	10	7	39,297	1,676	23,191	586	20,821	88	21,495		236	278
7	45	10	7	28,195	1,045	17,519	390	13,837	192	14,419		403	191
8	23	10	7	20,459	855	12,983	259	9,701	45	10,005		394	133
9	30	10	7	17,716	735	10,442	266	9,240	86	9,592		218	123
10	20	10	7	14,620	532	8,972	180	7,154	83	7,417		372	95
11	33	10	7	13,944	461	8,142	304	7,148	203	7,655		197	108
12	6	10	7	10,924	415	6,541	138	5,417	34	5,589		362	72
13	42	10	7	10,311	416	5,747	206	5,598	22	5,826		203	75
14	1	10	7	8,766	313	5,382	86	4,200	25	4,311		350	53
15	11	10	7	8,302	244	5,084	134	3,932	53	4,119		341	51
16	8	10	7	4,980	199	3,066	49	2,191	12	2,252		335	31
17	41	10	7	3,903	156	2,111	85	2,046	12	2,143		182	29
18	9	10	9	4,339	139	2,251	60	2,418	6	2,485		238	27
19	16	10	9	3,786	153	2,273	40	1,535	12	1,587		405	23
20	21	10	9	3,705	132	2,260	45	1,464	36	1,545		382	24
21	15	10	9	3,554	86	1,711	51	1,689	9	1,750		9	9
22	24	10	9	1,329	15	707	4	589	9	602		220	5
23	32	10	9	1,084	31	569	18	403	13	434		210	6
24	44	10	9	692	22	349	6	247	4	257		161	4
25	25	10	9	459	10	164	4	127	1	132		199	3
26	5	10	14	672	16	247	6	175	-	181		298	2
27	12	10	14	472	10	163	4	89	2	95		226	2
28	18	10	14	334	6	94	2	74	-	76		188	2
29	2	10	14	162	2	65	-	50	-	50		62	-
30	13	10	14	102	2	31	-	24	-	24		54	-
31	43	10	14	86,582	3,636	51,379	1,466	45,365	286	47,117		468	630
32	20	10	14	29,240	1,064	17,945	360	14,309	166	14,835		744	190
33	11	10	7	8,302	244	5,084	134	3,932	53	4,119		341	51
34	21	10	7	2,882	103	1,758	35	1,139	28	1,202		297	19
35	25	10	9	459	10	164	4	127	1	132		199	3
36	13	10	14	102	2	31	-	24	-	24		54	-
Average			9	61,717	2,514	39,623	1,039	29,291	389	30,719		231	452
No. of Works				318	318	318	318	318	318	318		318	318
Cost of Congestion			£	19,626,031	799,338	12,600,271	330,338	9,314,562	123,784	9,768,684		73,435	143,711

Southampton Sample Sites QUADRO Results Summary													
RC 0-2 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	43	10	6	37107	1558	22020	628	19442	123	20193	201	270	
2	40	10	6	33683	1437	19878	502	17847	75	18424	202	238	
3	45	10	6	24167	896	15016	334	11860	165	12359	345	164	
4	23	10	6	17536	733	11128	222	8315	39	8576	338	114	
5	30	10	6	15185	630	8951	228	7920	74	8222	187	105	
6	20	10	6	12531	456	7691	154	6132	71	6358	319	81	
7	33	10	5	9960	329	5816	217	5106	145	5468	141	77	
8	6	10	5	7803	296	4672	99	3869	24	3992	259	51	
9	42	10	5	7365	297	4105	147	3999	16	4161	145	54	
10	1	10	5	6261	224	3844	61	3000	18	3079	250	38	
11	11	10	5	5930	174	3632	96	2809	38	2942	244	36	
12	8	10	5	3557	142	2190	35	1565	9	1609	239	22	
13	41	10	3	1673	67	905	36	877	5	918	78	12	
14	9	10	3	1446	46	750	20	806	2	828	79	9	
15	16	10	3	1262	51	758	13	512	4	529	135	8	
16	21	10	3	1235	44	753	15	488	12	515	127	8	
17	15	10	3	1185	29	570	17	563	3	583	3	3	
18	24	10	3	443	5	236	1	196	3	201	73	2	
19	32	10	3	361	10	190	6	134	4	145	70	2	
20	44	10	3	231	7	116	2	82	1	86	54	1	
21	25	10	3	153	3	55	1	42	0	44	66	1	
22	5	10	3	144	3	53	1	38	0	39	64	0	
23	12	10	3	101	2	35	1	19	0	20	48	0	
Average			4	8231	324	4929	123	4157	36	4317	159	56	
No. of Works				204	204	204	204	204	204	204	204	204	
Cost of Congestion	£			1,679,189	65998	1005476	25181	848123	7369	880673	32523	11518	

Southampton Sample Sites QUADRO Results Summary													
RC 0-2 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	43	10	3	18,553	779	11,010	314	9,721	61	10,096	100	135	
2	40	10	3	16,842	718	9,939	251	8,923	38	9,212	101	119	
3	45	10	3	12,084	448	7,508	167	5,930	82	6,180	173	82	
4	23	10	3	8,768	366	5,564	111	4,157	19	4,288	169	57	
5	30	10	3	7,593	315	4,475	114	3,960	37	4,111	93	53	
6	20	10	3	6,266	228	3,845	77	3,066	36	3,179	159	41	
7	33	10	3	5,976	198	3,489	130	3,064	87	3,281	84	46	
8	6	10	3	4,682	178	2,803	59	2,321	15	2,395	155	31	
9	42	10	3	4,419	178	2,463	88	2,399	9	2,497	87	32	
10	1	10	3	3,757	134	2,307	37	1,800	11	1,848	150	23	
11	11	10	3	3,558	105	2,179	57	1,685	23	1,765	146	22	
12	8	10	5	3,557	142	2,190	35	1,565	9	1,609	239	22	
13	41	10	5	2,788	111	1,508	61	1,461	9	1,531	130	21	
14	9	10	5	2,411	77	1,251	34	1,343	4	1,380	132	15	
15	16	10	5	2,104	85	1,263	22	853	6	881	225	13	
16	21	10	5	2,059	74	1,256	25	813	20	858	212	14	
17	15	10	5	1,974	48	951	29	939	5	972	5	5	
18	24	10	6	886	10	471	3	393	6	401	147	3	
19	32	10	6	723	21	380	12	268	9	289	140	4	
20	44	10	6	461	15	232	4	165	3	171	107	3	
21	25	10	6	306	7	109	3	84	1	88	133	2	
22	5	10	6	288	7	106	3	75	-	78	128	1	
23	12	10	6	202	4	70	2	38	1	41	97	1	
Average			4	4,794	185	11,010	71	2,392	21	2,485	135	32	
No. of Works				204	204	204	204	204	204	204	204	204	
Cost of Congestion		£		977,913	37,675	2,246,005	14,522	488,055	4,332	506,909	27,611	6,593	

Southampton Sample Sites QUADRO Results Summary													
RC 0-2 Emergency													
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	22	10	7	735936	28502	479108	12842	343741	7221	363804	264	5533	
2	40	10	7	39297	1676	23191	586	20821	88	21495	236	278	
3	20	10	7	14620	532	8972	180	7154	83	7417	372	95	
4	1	10	7	8766	313	5382	86	4200	25	4311	350	53	
5	9	10	7	3375	108	1751	47	1880	5	1932	185	21	
6	24	10	7	1034	12	550	3	458	7	468	171	4	
7	5	10	7	336	8	124	3	88	0	91	149	1	
Average				7	114766	4450	74154	1964	54049	1061	57074	247	855
No. of Works					65	65	65	65	65	65	65	65	65
Cost of Congestion				£	7,459,809	289259	4820010	127651	3513187	68984	3709821	16036	55575

Southampton Sample Sites QUADRO Results Summary													
RC 3-4 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	38	10	40	11331	446	6741	120	4409	40	4569	1411	69	
2	47	10	40	3503	114	2167	23	1200	46	1269	509	23	
3	52	10	30	797	30	437	9	303	0	312	146	4	
4	65	10	23	217	10	126	0	75	0	75	43	0	
Average				33	3962	150	2368	38	1497	21	1556	527	24
No. of Works					189	189	189	189	189	189	189	189	189
Cost of Congestion				£	748,832	28343	398220	49272	447493	475836	3173	3983	7155

Southampton Sample Sites QUADRO Results Summary													
RC 0-2 Emergency													
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	22	10	7	735,936	28,502	479,108	12,842	343,741	7,221	363,804	264	5,533	
2	40	10	7	39,297	1,676	23,191	586	20,821	88	21,495	236	278	
3	20	10	7	14,620	532	8,972	180	7,154	83	7,417	372	95	
4	1	10	7	8,766	313	5,382	86	4,200	25	4,311	350	53	
5	9	10	7	3,375	108	1,751	47	1,880	5	1,932	185	21	
6	24	10	7	1,034	12	550	3	458	7	468	171	4	
7	5	10	7	336	8	124	3	88	-	91	149	1	
Average			7	114,766	4,450	74,154	1,964	54,049	1,061	57,074	247	855	
No. of Works				65	65	65	65	65	65	65	65	65	
Cost of Congestion			£	7,459,809	289,259	4,820,010	127,651	3,513,187	68,984	3,709,821	16,036	55,575	

Southampton Sample Sites QUADRO Results Summary													
RC 3-4 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	38	10	23	6,516	256	3,876	69	2,535	23	2,627	812	39	
2	47	10	30	2,627	86	1,625	17	900	34	951	381	17	
3	52	10	40	1,063	40	583	11	405	-	416	194	6	
4	65	10	40	377	17	219	-	130	-	130	74	-	
Average			33	2,646	100	1,576	24	993	14	1,031	365	16	
No. of Works				189	189	189	189	189	189	189	189	189	
Cost of Congestion			£	500,033	18,860	18,860	264,433	33,396	297,829	316,688	2,072	2,538	

Southampton Sample Sites QUADRO Results Summary												
RC 3-4 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	36	10	15	2610	90	1610	24	926	28	977	351	17
2	50	10	15	1916	69	1152	17	687	15	719	281	11
3	35	10	15	1899	73	1041	24	761	0	785	298	11
4	49	10	15	1584	54	975	13	545	17	575	231	9
5	51	10	9	852	24	542	5	289	17	310	113	5
6	47	10	9	788	26	488	5	270	10	285	114	5
7	46	10	9	757	23	480	5	250	13	268	105	5
8	26	10	9	693	22	318	9	242	0	251	193	4
9	27	10	9	678	21	316	6	213	1	221	207	4
10	61	10	7	520	20	296	4	191	1	196	88	3
11	58	10	7	499	15	324	3	156	9	168	70	3
12	34	10	7	447	14	206	9	166	1	176	113	3
13	28	10	7	392	13	185	5	140	0	145	102	2
14	52	10	7	186	7	102	2	71	0	73	34	1
15	54	10	7	181	7	103	2	64	0	66	33	1
16	59	10	7	143	6	80	1	49	0	50	27	1
17	55	10	7	131	5	76	2	46	0	48	24	1
18	57	10	7	78	3	43	1	28	0	29	14	0
19	62	10	7	77	3	44	0	25	0	25	15	0
Average			9	759	26	441	7	269	6	282	127	4
No. of Works				828	828	828	828	828	828	828	828	828
Cost of Congestion			£	628,857	21516	365241	5970	222992	4887	233850	105212	3717

Southampton Sample Sites QUADRO Results Summary												
RC 3-4 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	36	10	7	1,218	42	751	11	432	13	456	164	8
2	50	10	7	894	32	538	8	320	7	335	131	5
3	35	10	7	886	34	486	11	355	-	366	139	5
4	49	10	7	739	25	455	6	254	8	268	108	4
5	51	10	7	663	19	421	4	224	13	241	88	4
6	47	10	7	613	20	379	4	210	8	222	89	4
7	46	10	7	589	18	373	4	194	10	208	82	4
8	26	10	7	539	17	247	7	188	-	195	150	3
9	27	10	7	527	16	246	5	166	1	172	161	3
10	61	10	7	520	20	296	4	191	1	196	88	3
11	58	10	9	642	19	417	4	201	12	216	90	4
12	34	10	9	575	18	265	12	213	1	226	145	4
13	28	10	9	504	17	238	6	181	-	187	131	3
14	52	10	9	239	9	131	3	91	-	94	44	1
15	54	10	9	233	9	133	3	82	-	84	42	1
16	59	10	15	306	13	172	2	105	-	108	58	2
17	55	10	15	281	11	162	4	98	-	102	51	2
18	57	10	15	167	6	93	2	59	-	61	30	-
19	62	10	15	165	6	95	-	54	-	54	32	-
Average		9		542	18	310	5	190	4	200	96	3
No. of Works				828	828	828	828	828	828	828	828	828
Cost of Congestion	£			448,838	15315	257036	4339	157699	3219	165256	79488	2621

Southampton Sample Sites QUADRO Results Summary												
RC 3-4 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	37	10	1	346	13	196	5	148	1	153	40	2
2	3	10	1	304	12	178	3	123	1	127	37	2
3	7	10	1	292	8	179	3	107	6	115	36	2
4	38	10	1	283	11	169	3	110	1	114	35	2
5	19	10	1	237	9	137	2	89	1	91	36	1
6	14	10	1	229	9	135	2	89	1	92	30	1
7	48	10	1	193	6	115	2	74	2	78	25	1
8	36	10	1	174	6	107	2	62	2	65	23	1
9	50	10	1	128	5	77	1	46	1	48	19	1
10	35	10	1	127	5	69	2	51	0	52	20	1
11	49	10	1	106	4	65	1	36	1	38	15	1
12	51	10	1	95	3	60	1	32	2	34	13	1
13	47	10	1	88	3	54	1	30	1	32	13	1
14	46	10	1	84	3	53	1	28	1	30	12	1
15	26	10	1	148	2	35	1	27	0	28	21	0
16	27	10	1	148	2	35	1	24	0	25	23	0
17	61	10	1	74	3	42	1	27	0	28	13	0
18	58	10	1	71	2	46	0	22	1	24	10	0
19	34	10	1	120	2	29	1	24	0	25	16	0
20	28	10	1	106	2	26	1	20	0	21	15	0
21	52	10	1	27	1	15	0	10	0	10	5	0
22	54	10	1	26	1	15	0	9	0	9	5	0
23	59	10	1	20	1	11	0	7	0	7	4	0
24	55	10	1	19	1	11	0	7	0	7	3	0
25	57	10	1	11	0	6	0	4	0	4	2	0
26	62	10	1	11	0	6	0	4	0	4	2	0
27	31	10	1	27	0	2	0	1	0	1	8	0
28	60	10	1	10	0	5	0	4	0	4	2	0
29	64	10	1	10	0	6	0	3	0	3	2	0
30	65	10	1	9	0	5	0	3	0	3	2	0
31	56	10	1	8	0	4	0	3	0	3	1	0
32	53	10	1	4	0	2	0	2	0	2	1	0
33	63	10	1	3	0	2	0	1	0	1	1	0
34	37	10	2	519	20	294	7	222	1	230	61	3
35	3	10	2	456	18	267	5	184	2	191	56	3
36	7	10	2	438	12	269	4	160	9	173	54	3
37	38	10	2	425	17	253	5	165	2	171	53	3
38	19	10	2	355	14	205	3	133	2	137	54	2
39	14	10	2	343	13	202	3	133	2	137	46	2
40	48	10	2	290	10	173	3	111	3	117	38	2
41	36	10	2	261	9	161	2	93	3	98	35	2
42	50	10	2	192	7	115	2	69	2	72	28	1
43	35	10	2	190	7	104	2	76	0	78	30	1
44	49	10	2	158	5	97	1	55	2	58	23	1
45	51	10	2	142	4	90	1	48	3	52	19	1
46	47	10	2	131	4	81	1	45	2	48	19	1
47	46	10	2	126	4	80	1	42	2	45	18	1
48	26	10	2	221	4	53	2	40	0	42	32	1
49	27	10	2	221	3	53	1	35	0	37	35	1
50	61	10	2	111	4	64	1	41	0	42	19	1
51	58	10	2	107	3	69	1	33	2	36	15	1
52	34	10	2	180	3	44	2	35	0	38	24	1
53	28	10	2	159	3	40	1	30	0	31	22	0
54	52	10	2	40	2	22	0	15	0	16	7	0

Southampton Sample Sites QUADRO Results Summary													
RC 3-4 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	37	10	1	346	13	196	5	148	1	153	40	2	
2	3	10	1	304	12	178	3	123	1	127	37	2	
3	7	10	1	292	8	179	3	107	6	115	36	2	
4	38	10	1	283	11	169	3	110	1	114	35	2	
5	19	10	1	237	9	137	2	89	1	91	36	1	
6	14	10	1	229	9	135	2	89	1	92	30	1	
7	48	10	1	193	6	115	2	74	2	78	25	1	
8	36	10	1	174	6	107	2	62	2	65	23	1	
9	50	10	1	128	5	77	1	46	1	48	19	1	
10	35	10	1	127	5	69	2	51	-	52	20	1	
11	49	10	1	106	4	65	1	36	1	38	15	1	
12	51	10	1	95	3	60	1	32	2	34	13	1	
13	47	10	1	88	3	54	1	30	1	32	13	1	
14	46	10	1	84	3	53	1	28	1	30	12	1	
15	26	10	1	148	2	35	1	27	-	28	21	0	
16	27	10	1	148	2	35	1	24	0	25	23	0	
17	61	10	1	74	3	42	1	27	0	28	13	0	
18	58	10	1	71	2	46	0	22	1	24	10	0	
19	34	10	1	120	2	29	1	24	0	25	16	0	
20	28	10	1	106	2	26	1	20	-	21	15	0	
21	52	10	1	27	1	15	0	10	-	10	5	0	
22	54	10	1	26	1	15	0	9	-	9	5	0	
23	59	10	1	20	1	11	0	7	-	7	4	0	
24	55	10	1	19	1	11	0	7	-	7	3	0	
25	57	10	1	11	0	6	0	4	-	4	2	-	
26	62	10	1	11	0	6	-	4	-	4	2	-	
27	31	10	1	27	0	2	-	1	-	1	8	-	
28	60	10	1	10	0	5	-	4	-	4	2	-	
29	64	10	1	10	0	6	-	3	-	3	2	-	
30	65	10	1	9	0	5	-	3	-	3	2	-	
31	56	10	1	8	0	4	-	3	-	3	1	-	
32	53	10	1	4	0	2	-	2	-	2	1	-	
33	63	10	1	3	0	2	-	1	-	1	1	-	
34	37	10	1.5	519	20	294	7	222	1	230	61	3	
35	3	10	1.5	456	18	267	5	184	2	191	56	3	
36	7	10	1.5	438	12	269	4	160	9	173	54	3	
37	38	10	1.5	425	17	253	5	165	2	171	53	3	
38	19	10	1.5	355	14	205	3	133	2	137	54	2	
39	14	10	1.5	343	13	202	3	133	2	137	46	2	
40	48	10	1.5	290	10	173	3	111	3	117	38	2	
41	36	10	1.5	261	9	161	2	93	3	98	35	2	
42	50	10	1.5	192	7	115	2	69	2	72	28	1	
43	35	10	1.5	190	7	104	2	76	-	78	30	1	
44	49	10	1.5	158	5	97	1	55	2	58	23	1	
45	51	10	1.5	142	4	90	1	48	3	52	19	1	
46	47	10	1.5	131	4	81	1	45	2	48	19	1	
47	46	10	1.5	126	4	80	1	42	2	45	18	1	
48	26	10	1.5	221	4	53	2	40	-	42	32	1	
49	27	10	1.5	221	3	53	1	35	0	37	35	1	
50	61	10	1.5	111	4	64	1	41	0	42	19	1	
51	58	10	1.5	107	3	69	1	33	2	36	15	1	
52	34	10	1.5	180	3	44	2	35	0	38	24	1	
53	28	10	1.5	159	3	40	1	30	-	31	22	0	
54	52	10	1.5	40	2	22	0	15	-	16	7	0	

Southampton Sample Sites QUADRO Results Summary												
RC 3-4 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
55	54	10	2	39	2	22	0	14	0	14	7	0
56	59	10	2	31	1	17	0	11	0	11	6	0
57	55	10	2	28	1	16	0	10	0	10	5	0
58	57	10	2	17	1	9	0	6	0	6	3	0
59	62	10	2	17	1	10	0	5	0	5	3	0
60	31	10	2	41	0	2	0	2	0	2	12	0
61	60	10	2	15	0	8	0	5	0	5	3	0
62	64	10	2	14	1	8	0	5	0	5	3	0
63	65	10	2	14	1	8	0	5	0	5	3	0
64	56	10	2	11	0	6	0	4	0	4	2	0
65	53	10	2	6	0	4	0	2	0	2	1	0
66	63	10	2	5	0	2	0	2	0	2	1	0
67	37	10	2	692	27	392	9	296	1	306	81	5
68	3	10	2	608	23	356	7	245	2	255	74	4
69	7	10	2	583	16	358	5	214	12	230	72	4
70	38	10	2	567	22	337	6	220	2	228	71	3
71	19	10	2	473	18	274	4	177	2	183	73	3
72	14	10	2	457	17	269	4	177	2	183	61	3
73	48	10	2	387	13	230	4	148	4	155	51	2
74	36	10	2	348	12	215	3	123	4	130	47	2
75	50	10	2	255	9	154	2	92	2	96	37	1
76	35	10	2	253	10	139	3	101	0	105	40	1
77	49	10	2	211	7	130	2	73	2	77	31	1
78	51	10	2	189	5	120	1	64	4	69	25	1
79	47	10	2	175	6	108	1	60	2	63	25	1
80	46	10	2	168	5	107	1	56	3	60	23	1
81	26	10	2	295	5	71	2	54	0	56	43	1
82	27	10	2	295	5	70	1	47	0	49	46	1
83	61	10	2	149	6	85	1	55	0	56	25	1
84	58	10	2	143	4	93	1	45	3	48	20	1
85	34	10	2	240	4	59	3	47	0	50	32	1
86	28	10	2	211	4	53	1	40	0	42	29	1
87	52	10	2	53	2	29	1	20	0	21	10	0
88	54	10	2	52	2	29	1	18	0	19	9	0
89	59	10	2	41	2	23	0	14	0	14	8	0
90	55	10	2	37	1	22	1	13	0	14	7	0
91	57	10	2	22	1	12	0	8	0	8	4	0
92	62	10	2	22	1	13	0	7	0	7	4	0
93	31	10	2	55	0	3	0	3	0	3	16	0
94	60	10	2	19	1	10	0	7	0	7	4	0
95	64	10	2	19	1	11	0	7	0	7	4	0
96	65	10	2	19	1	11	0	7	0	7	4	0
97	56	10	2	15	1	8	0	5	0	5	3	0
98	53	10	2	9	0	5	0	3	0	3	2	0
99	63	10	2	6	0	3	0	2	0	2	1	0
100	37	10	3	865	34	490	12	369	2	383	101	6
101	3	10	3	760	29	445	9	307	3	318	93	5
102	7	10	3	729	20	448	6	267	15	288	90	5
103	38	10	3	708	28	421	8	276	3	286	88	4
104	19	10	3	592	23	342	5	222	3	229	91	4
105	14	10	3	571	22	337	5	222	3	229	76	4
106	48	10	3	484	16	288	5	185	5	194	63	3
107	36	10	3	435	15	268	4	154	5	163	59	3
108	50	10	3	319	11	192	3	114	3	120	47	2

Southampton Sample Sites QUADRO Results Summary													
RC 3-4 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	
55	54	10	1.5	39	2	22	0	14	-	14	7	0	
56	59	10	1.5	31	1	17	0	11	-	11	6	0	
57	55	10	1.5	28	1	16	0	10	-	10	5	0	
58	57	10	1.5	17	1	9	0	6	-	6	3	-	
59	62	10	1.5	17	1	10	-	5	-	5	3	-	
60	31	10	1.5	41	0	2	-	2	-	2	12	-	
61	60	10	1.5	15	0	8	-	5	-	5	3	-	
62	64	10	1.5	14	1	8	-	5	-	5	3	-	
63	65	10	1.5	14	1	8	-	5	-	5	3	-	
64	56	10	1.5	11	0	6	-	4	-	4	2	-	
65	53	10	1.5	6	0	4	-	2	-	2	1	-	
66	63	10	1.5	5	0	2	-	2	-	2	1	-	
67	37	10	2	692	27	392	9	296	1	306	81	5	
68	3	10	2	608	23	356	7	245	2	255	74	4	
69	7	10	2	583	16	358	5	214	12	230	72	4	
70	38	10	2	567	22	337	6	220	2	228	71	3	
71	19	10	2	473	18	274	4	177	2	183	73	3	
72	14	10	2	457	17	269	4	177	2	183	61	3	
73	48	10	2	387	13	230	4	148	4	155	51	2	
74	36	10	2	348	12	215	3	123	4	130	47	2	
75	50	10	2	255	9	154	2	92	2	96	37	1	
76	35	10	2	253	10	139	3	101	-	105	40	1	
77	49	10	2	211	7	130	2	73	2	77	31	1	
78	51	10	2	189	5	120	1	64	4	69	25	1	
79	47	10	2	175	6	108	1	60	2	63	25	1	
80	46	10	2	168	5	107	1	56	3	60	23	1	
81	26	10	2	295	5	71	2	54	-	56	43	1	
82	27	10	2	295	5	70	1	47	0	49	46	1	
83	61	10	2	149	6	85	1	55	0	56	25	1	
84	58	10	2	143	4	93	1	45	3	48	20	1	
85	34	10	2	240	4	59	3	47	0	50	32	1	
86	28	10	2	211	4	53	1	40	-	42	29	1	
87	52	10	2	53	2	29	1	20	-	21	10	0	
88	54	10	2	52	2	29	1	18	-	19	9	0	
89	59	10	2	41	2	23	0	14	-	14	8	0	
90	55	10	2	37	1	22	1	13	-	14	7	0	
91	57	10	2	22	1	12	0	8	-	8	4	-	
92	62	10	2	22	1	13	-	7	-	7	4	-	
93	31	10	2	55	0	3	-	3	-	3	16	-	
94	60	10	2	19	1	10	-	7	-	7	4	-	
95	64	10	2	19	1	11	-	7	-	7	4	-	
96	65	10	2	19	1	11	-	7	-	7	4	-	
97	56	10	2	15	1	8	-	5	-	5	3	-	
98	53	10	2	9	0	5	-	3	-	3	2	-	
99	63	10	2	6	0	3	-	2	-	2	1	-	
100	37	10	2.5	865	34	490	12	369	2	383	101	6	
101	3	10	2.5	760	29	445	9	307	3	318	93	5	
102	7	10	2.5	729	20	448	6	267	15	288	90	5	
103	38	10	2.5	708	28	421	8	276	3	286	88	4	
104	19	10	2.5	592	23	342	5	222	3	229	91	4	
105	14	10	2.5	571	22	337	5	222	3	229	76	4	
106	48	10	2.5	484	16	288	5	185	5	194	63	3	
107	36	10	2.5	435	15	268	4	154	5	163	59	3	
108	50	10	2.5	319	11	192	3	114	3	120	47	2	

Southampton Sample Sites QUADRO Results Summary													
RC 3-4 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	
109	35	10	3	316	12	174	4	127	0	131	50	2	
110	49	10	3	264	9	162	2	91	3	96	39	1	
111	51	10	3	237	7	150	1	80	5	86	31	1	
112	47	10	3	219	7	135	1	75	3	79	32	1	
113	46	10	3	210	6	133	1	69	4	74	29	1	
114	26	10	3	369	6	88	3	67	0	70	54	1	
115	27	10	3	369	6	88	2	59	0	61	58	1	
116	61	10	3	186	7	106	1	68	0	70	31	1	
117	58	10	3	178	5	116	1	56	3	60	25	1	
118	34	10	3	300	5	74	3	59	0	63	40	1	
119	28	10	3	264	5	66	2	50	0	52	36	1	
120	52	10	3	66	3	36	1	25	0	26	12	0	
121	54	10	3	65	3	37	1	23	0	23	12	0	
122	59	10	3	51	2	29	0	18	0	18	10	0	
123	55	10	3	47	2	27	1	16	0	17	9	0	
124	57	10	3	28	1	15	0	10	0	10	5	0	
125	62	10	3	28	1	16	0	9	0	9	5	0	
126	31	10	3	69	0	4	0	3	0	3	20	0	
126	31	10	3	69	0	4	0	3	0	3	20	0	
127	60	10	3	24	1	13	0	9	0	9	5	0	
128	64	10	3	24	1	14	0	8	0	8	5	0	
129	65	10	3	24	1	14	0	8	0	8	5	0	
130	56	10	3	19	1	10	0	7	0	7	4	0	
131	53	10	3	11	0	6	0	4	0	4	2	0	
132	63	10	3	8	0	4	0	3	0	3	1	0	
133	37	10	3	1038	40	588	14	443	2	460	121	7	
134	3	10	3	912	35	534	10	368	3	382	111	6	
135	7	10	3	875	24	537	8	320	18	346	108	6	
136	38	10	3	850	33	506	9	331	3	343	106	5	
137	19	10	3	710	27	411	6	266	3	274	109	4	
138	14	10	3	686	26	404	6	266	3	275	91	4	
139	48	10	3	580	19	346	6	222	6	233	76	3	
140	36	10	3	522	18	322	5	185	6	195	70	3	
141	50	10	3	383	14	230	3	137	3	144	56	2	
142	35	10	3	380	15	208	5	152	0	157	60	2	
143	49	10	3	317	11	195	3	109	3	115	46	2	
144	51	10	3	284	8	181	2	96	6	103	38	2	
145	47	10	3	263	9	163	2	90	3	95	38	2	
146	46	10	3	252	8	160	2	83	4	89	35	2	
147	26	10	3	443	7	106	3	81	0	84	64	1	
148	27	10	3	443	7	105	2	71	0	74	69	1	
149	61	10	3	223	9	127	2	82	0	84	38	1	
150	58	10	3	214	6	139	1	67	4	72	30	1	
151	34	10	3	360	6	88	4	71	0	75	48	1	
152	28	10	3	317	6	79	2	60	0	62	44	1	
153	52	10	3	80	3	44	1	30	0	31	15	0	
154	54	10	3	78	3	44	1	27	0	28	14	0	
155	59	10	3	61	3	34	0	21	0	22	12	0	
156	55	10	3	56	2	32	1	20	0	20	10	0	
157	57	10	3	33	1	19	0	12	0	12	6	0	
158	62	10	3	33	1	19	0	11	0	11	6	0	
159	31	10	3	82	0	5	0	4	0	4	24	0	
160	60	10	3	29	1	15	0	11	0	11	6	0	
161	64	10	3	29	1	17	0	10	0	10	6	0	

Southampton Sample Sites QUADRO Results Summary													
RC 3-4 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	
109	35	10	2.5	316	12	174	4	127	-	131	50	2	
110	49	10	2.5	264	9	162	2	91	3	96	39	1	
111	51	10	2.5	237	7	150	1	80	5	86	31	1	
112	47	10	2.5	219	7	135	1	75	3	79	32	1	
113	46	10	2.5	210	6	133	1	69	4	74	29	1	
114	26	10	2.5	369	6	88	3	67	-	70	54	1	
115	27	10	2.5	369	6	88	2	59	0	61	58	1	
116	61	10	2.5	186	7	106	1	68	0	70	31	1	
117	58	10	2.5	178	5	116	1	56	3	60	25	1	
118	34	10	2.5	300	5	74	3	59	0	63	40	1	
119	28	10	2.5	264	5	66	2	50	-	52	36	1	
120	52	10	2.5	66	3	36	1	25	-	26	12	0	
121	54	10	2.5	65	3	37	1	23	-	23	12	0	
122	59	10	2.5	51	2	29	0	18	-	18	10	0	
123	55	10	2.5	47	2	27	1	16	-	17	9	0	
124	57	10	2.5	28	1	15	0	10	-	10	5	-	
125	62	10	2.5	28	1	16	-	9	-	9	5	-	
126	31	10	2.5	69	0	4	-	3	-	3	20	-	
126	31	10	2.5	69	0	4	-	3	-	3	20	-	
127	60	10	2.5	24	1	13	-	9	-	9	5	-	
128	64	10	2.5	24	1	14	-	8	-	8	5	-	
129	65	10	2.5	24	1	14	-	8	-	8	5	-	
130	56	10	2.5	19	1	10	-	7	-	7	4	-	
131	53	10	2.5	11	0	6	-	4	-	4	2	-	
132	63	10	2.5	8	0	4	-	3	-	3	1	-	
133	37	10	3	1,038	40	588	14	443	2	460	121	7	
134	3	10	3	912	35	534	10	368	3	382	111	6	
135	7	10	3	875	24	537	8	320	18	346	108	6	
136	38	10	3	850	33	506	9	331	3	343	106	5	
137	19	10	3	710	27	411	6	266	3	274	109	4	
138	14	10	3	686	26	404	6	266	3	275	91	4	
139	48	10	3	580	19	346	6	222	6	233	76	3	
140	36	10	3	522	18	322	5	185	6	195	70	3	
141	50	10	3	383	14	230	3	137	3	144	56	2	
142	35	10	3	380	15	208	5	152	-	157	60	2	
143	49	10	3	317	11	195	3	109	3	115	46	2	
144	51	10	3	284	8	181	2	96	6	103	38	2	
145	47	10	3	263	9	163	2	90	3	95	38	2	
146	46	10	3	252	8	160	2	83	4	89	35	2	
147	26	10	3	443	7	106	3	81	-	84	64	1	
148	27	10	3	443	7	105	2	71	0	74	69	1	
149	61	10	3	223	9	127	2	82	0	84	38	1	
150	58	10	3	214	6	139	1	67	4	72	30	1	
151	34	10	3	360	6	88	4	71	0	75	48	1	
152	28	10	3	317	6	79	2	60	-	62	44	1	
153	52	10	3	80	3	44	1	30	-	31	15	0	
154	54	10	3	78	3	44	1	27	-	28	14	0	
155	59	10	3	61	3	34	0	21	-	22	12	0	
156	55	10	3	56	2	32	1	20	-	20	10	0	
157	57	10	3	33	1	19	0	12	-	12	6	-	
158	62	10	3	33	1	19	-	11	-	11	6	-	
159	31	10	3	82	0	5	-	4	-	4	24	-	
160	60	10	3	29	1	15	-	11	-	11	6	-	
161	64	10	3	29	1	17	-	10	-	10	6	-	

Southampton Sample Sites QUADRO Results Summary												
RC 3-4 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
162	65	10	3	28	1	16	0	10	0	10	6	0
163	56	10	3	23	1	12	0	8	0	8	4	0
164	53	10	3	13	0	7	0	5	0	5	3	0
165	63	10	3	9	0	5	0	4	0	4	2	0
166	37	10	4	1212	47	686	17	517	3	536	142	8
167	3	10	4	1065	41	623	12	430	4	446	130	7
168	7	10	4	1021	28	627	9	374	21	403	127	7
169	38	10	4	992	39	590	11	386	4	400	124	6
170	19	10	4	829	32	479	7	310	4	320	127	5
171	14	10	4	800	31	472	7	310	4	321	107	5
172	48	10	4	677	23	403	7	259	7	272	89	4
173	36	10	4	609	21	376	6	216	7	228	82	4
174	50	10	4	447	16	269	4	160	4	168	66	3
175	35	10	4	443	17	243	6	178	0	183	70	3
176	49	10	4	370	13	227	3	127	4	134	54	2
177	51	10	4	332	10	211	2	112	7	121	44	2
178	47	10	4	307	10	190	2	105	4	111	45	2
179	46	10	4	295	9	187	2	97	5	104	41	2
180	26	10	4	517	9	124	4	94	0	98	75	2
181	27	10	4	517	8	123	3	83	1	86	81	2
182	61	10	4	260	10	148	2	95	1	98	44	2
183	58	10	4	250	8	162	2	78	5	84	35	2
184	34	10	4	420	7	103	5	83	1	88	57	2
185	28	10	4	370	7	92	3	70	0	73	51	1
186	52	10	4	93	4	51	1	35	0	36	17	1
187	54	10	4	91	4	52	1	32	0	33	17	1
188	59	10	4	72	3	40	1	25	0	25	14	1
189	55	10	4	66	3	38	1	23	0	24	12	1
190	57	10	4	39	2	22	1	14	0	14	7	0
191	62	10	4	39	2	22	0	13	0	13	8	0
192	31	10	4	96	1	5	0	5	0	5	28	0
193	60	10	4	34	1	18	0	13	0	13	7	0
194	64	10	4	34	2	20	0	11	0	11	7	0
195	65	10	4	33	2	19	0	11	0	11	7	0
196	56	10	4	27	1	14	0	10	0	10	5	0
197	53	10	4	15	1	8	0	5	0	5	3	0
198	63	10	4	11	1	5	0	4	0	4	2	0
199	37	10	4	1385	54	784	19	591	3	613	162	9
200	3	10	4	1217	47	712	14	491	5	509	148	7
201	7	10	4	1167	32	717	10	427	23	461	145	7
202	38	10	4	1133	45	674	12	441	4	457	141	7
203	19	10	4	947	36	548	7	355	4	366	145	6
204	14	10	4	914	35	539	8	355	4	367	122	6
205	48	10	4	774	26	461	7	296	8	311	101	5
206	36	10	4	696	24	429	6	247	7	261	94	5
207	50	10	4	511	18	307	5	183	4	192	75	3
208	35	10	4	506	19	278	6	203	0	209	79	3
209	49	10	4	422	14	260	3	145	5	153	62	2
210	51	10	4	379	11	241	2	128	7	138	50	2
211	47	10	4	350	11	217	2	120	5	127	51	2
212	46	10	4	337	10	213	2	111	6	119	47	2
213	26	10	4	590	10	141	4	108	0	112	86	2
214	27	10	4	590	9	141	3	95	1	98	92	2
215	61	10	4	297	11	169	2	109	1	112	50	2

Southampton Sample Sites QUADRO Results Summary													
RC 3-4 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	
162	65	10	3	28	1	16	-	10	-	10	6	-	
163	56	10	3	23	1	12	-	8	-	8	4	-	
164	53	10	3	13	0	7	-	5	-	5	3	-	
165	63	10	3	9	0	5	-	4	-	4	2	-	
166	37	10	3.5	1,212	47	686	17	517	3	536	142	8	
167	3	10	3.5	1,065	41	623	12	430	4	446	130	7	
168	7	10	3.5	1,021	28	627	9	374	21	403	127	7	
169	38	10	3.5	992	39	590	11	386	4	400	124	6	
170	19	10	3.5	829	32	479	7	310	4	320	127	5	
171	14	10	3.5	800	31	472	7	310	4	321	107	5	
172	48	10	3.5	677	23	403	7	259	7	272	89	4	
173	36	10	3.5	609	21	376	6	216	7	228	82	4	
174	50	10	3.5	447	16	269	4	160	4	168	66	3	
175	35	10	3.5	443	17	243	6	178	-	183	70	3	
176	49	10	3.5	370	13	227	3	127	4	134	54	2	
177	51	10	3.5	332	10	211	2	112	7	121	44	2	
178	47	10	3.5	307	10	190	2	105	4	111	45	2	
179	46	10	3.5	295	9	187	2	97	5	104	41	2	
180	26	10	3.5	517	9	124	4	94	-	98	75	2	
181	27	10	3.5	517	8	123	3	83	1	86	81	2	
182	61	10	3.5	260	10	148	2	95	1	98	44	2	
183	58	10	3.5	250	8	162	2	78	5	84	35	2	
184	34	10	3.5	420	7	103	5	83	1	88	57	2	
185	28	10	3.5	370	7	92	3	70	-	73	51	1	
186	52	10	3.5	93	4	51	1	35	-	36	17	1	
187	54	10	3.5	91	4	52	1	32	-	33	17	1	
188	59	10	3.5	72	3	40	1	25	-	25	14	1	
189	55	10	3.5	66	3	38	1	23	-	24	12	1	
190	57	10	3.5	39	2	22	1	14	-	14	7	-	
191	62	10	3.5	39	2	22	-	13	-	13	8	-	
192	31	10	3.5	96	1	5	-	5	-	5	28	-	
193	60	10	3.5	34	1	18	-	13	-	13	7	-	
194	64	10	3.5	34	2	20	-	11	-	11	7	-	
195	65	10	3.5	33	2	19	-	11	-	11	7	-	
196	56	10	3.5	27	1	14	-	10	-	10	5	-	
197	53	10	3.5	15	1	8	-	5	-	5	3	-	
198	63	10	3.5	11	1	5	-	4	-	4	2	-	
199	37	10	4	1,385	54	784	19	591	3	613	162	9	
200	3	10	4	1,217	47	712	14	491	5	509	148	7	
201	7	10	4	1,167	32	717	10	427	23	461	145	7	
202	38	10	4	1,133	45	674	12	441	4	457	141	7	
203	19	10	4	947	36	548	7	355	4	366	145	6	
204	14	10	4	914	35	539	8	355	4	367	122	6	
205	48	10	4	774	26	461	7	296	8	311	101	5	
206	36	10	4	696	24	429	6	247	7	261	94	5	
207	50	10	4	511	18	307	5	183	4	192	75	3	
208	35	10	4	506	19	278	6	203	-	209	79	3	
209	49	10	4	422	14	260	3	145	5	153	62	2	
210	51	10	4	379	11	241	2	128	7	138	50	2	
211	47	10	4	350	11	217	2	120	5	127	51	2	
212	46	10	4	337	10	213	2	111	6	119	47	2	
213	26	10	4	590	10	141	4	108	-	112	86	2	
214	27	10	4	590	9	141	3	95	1	98	92	2	
215	61	10	4	297	11	169	2	109	1	112	50	2	

Southampton Sample Sites QUADRO Results Summary												
RC 3-4 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
216	58	10	4	285	9	185	2	89	5	96	40	2
217	34	10	4	479	8	118	5	95	1	100	65	2
218	28	10	4	423	7	106	3	80	0	83	58	1
219	52	10	4	106	4	58	1	40	0	42	19	1
220	54	10	4	103	4	59	1	36	0	37	19	1
221	59	10	4	82	3	46	1	28	0	29	15	1
222	55	10	4	75	3	43	1	26	0	27	14	1
223	57	10	4	45	2	25	1	16	0	16	8	0
224	62	10	4	44	2	25	0	14	0	14	9	0
225	31	10	4	110	1	6	0	5	0	5	31	0
226	60	10	4	39	1	21	0	14	0	14	7	0
227	64	10	4	38	2	23	0	13	0	13	7	0
228	65	10	4	38	2	22	0	13	0	13	7	0
229	56	10	4	30	1	16	0	11	0	11	6	0
230	53	10	4	17	1	10	0	6	0	6	3	0
231	63	10	4	12	1	6	0	5	0	5	2	0
232	37	10	5	1558	60	882	21	665	3	689	182	10
233	3	10	5	1369	53	801	15	552	5	573	167	8
234	7	10	5	1313	36	806	12	481	26	519	163	8
235	38	10	5	1275	50	758	14	496	5	514	159	8
236	19	10	5	1065	41	616	8	399	5	412	163	6
237	14	10	5	1029	39	606	9	399	5	412	137	6
238	48	10	5	870	29	518	8	332	9	350	114	5
239	36	10	5	783	27	483	7	278	8	293	105	5
240	50	10	5	575	21	346	5	206	5	216	84	3
241	35	10	5	570	22	312	7	228	0	235	89	3
242	49	10	5	475	16	292	4	164	5	173	69	3
243	51	10	5	426	12	271	3	144	8	155	57	3
244	47	10	5	394	13	244	3	135	5	143	57	3
245	46	10	5	379	12	240	3	125	6	134	53	3
246	26	10	5	664	11	159	5	121	0	126	96	2
247	27	10	5	664	10	158	3	106	1	110	104	2
248	61	10	5	334	13	191	3	123	1	126	57	2
249	58	10	5	321	10	208	2	100	6	108	45	2
250	34	10	5	539	9	133	6	106	1	113	73	2
251	28	10	5	476	8	119	3	90	0	93	66	1
252	52	10	5	120	5	66	1	46	0	47	22	1
253	54	10	5	116	5	66	1	41	0	42	21	1
254	59	10	5	92	4	52	1	32	0	32	17	1
255	55	10	5	84	3	49	1	29	0	31	15	1
256	57	10	5	50	2	28	1	18	0	18	9	0
257	62	10	5	50	2	29	0	16	0	16	10	0
258	31	10	5	123	1	7	0	6	0	6	35	0
259	60	10	5	44	1	23	0	16	0	16	8	0
260	64	10	5	43	2	25	0	15	0	15	8	0
261	65	10	5	42	2	25	0	15	0	15	8	0
262	56	10	5	34	1	19	0	12	0	12	6	0
263	53	10	5	19	1	11	0	7	0	7	4	0
264	19	10	5	1184	45	685	9	443	5	457	181	7

Southampton Sample Sites QUADRO Results Summary												
RC 3-4 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
216	58	10	4	285	9	185	2	89	5	96	40	2
217	34	10	4	479	8	118	5	95	1	100	65	2
218	28	10	4	423	7	106	3	80	-	83	58	1
219	52	10	4	106	4	58	1	40	-	42	19	1
220	54	10	4	103	4	59	1	36	-	37	19	1
221	59	10	4	82	3	46	1	28	-	29	15	1
222	55	10	4	75	3	43	1	26	-	27	14	1
223	57	10	4	45	2	25	1	16	-	16	8	-
224	62	10	4	44	2	25	-	14	-	14	9	-
225	31	10	4	110	1	6	-	5	-	5	31	-
226	60	10	4	39	1	21	-	14	-	14	7	-
227	64	10	4	38	2	23	-	13	-	13	7	-
228	65	10	4	38	2	22	-	13	-	13	7	-
229	56	10	4	30	1	16	-	11	-	11	6	-
230	53	10	4	17	1	10	-	6	-	6	3	-
231	63	10	4	12	1	6	-	5	-	5	2	-
232	37	10	4.5	1,558	60	882	21	665	3	689	182	10
233	3	10	4.5	1,369	53	801	15	552	5	573	167	8
234	7	10	4.5	1,313	36	806	12	481	26	519	163	8
235	38	10	4.5	1,275	50	758	14	496	5	514	159	8
236	19	10	4.5	1,065	41	616	8	399	5	412	163	6
237	14	10	4.5	1,029	39	606	9	399	5	412	137	6
238	48	10	4.5	870	29	518	8	332	9	350	114	5
239	36	10	4.5	783	27	483	7	278	8	293	105	5
240	50	10	4.5	575	21	346	5	206	5	216	84	3
241	35	10	4.5	570	22	312	7	228	-	235	89	3
242	49	10	4.5	475	16	292	4	164	5	173	69	3
243	51	10	4.5	426	12	271	3	144	8	155	57	3
244	47	10	4.5	394	13	244	3	135	5	143	57	3
245	46	10	4.5	379	12	240	3	125	6	134	53	3
246	26	10	4.5	664	11	159	5	121	-	126	96	2
247	27	10	4.5	664	10	158	3	106	1	110	104	2
248	61	10	4.5	334	13	191	3	123	1	126	57	2
249	58	10	4.5	321	10	208	2	100	6	108	45	2
250	34	10	4.5	539	9	133	6	106	1	113	73	2
251	28	10	4.5	476	8	119	3	90	-	93	66	1
252	52	10	4.5	120	5	66	1	46	-	47	22	1
253	54	10	4.5	116	5	66	1	41	-	42	21	1
254	59	10	4.5	92	4	52	1	32	-	32	17	1
255	55	10	4.5	84	3	49	1	29	-	31	15	1
256	57	10	4.5	50	2	28	1	18	-	18	9	-
257	62	10	4.5	50	2	29	-	16	-	16	10	-
258	31	10	4.5	123	1	7	-	6	-	6	35	-
259	60	10	4.5	44	1	23	-	16	-	16	8	-
260	64	10	4.5	43	2	25	-	15	-	15	8	-
261	65	10	4.5	42	2	25	-	15	-	15	8	-
262	56	10	4.5	34	1	19	-	12	-	12	6	-
263	53	10	4.5	19	1	11	-	7	-	7	4	-
264	19	10	5	1,184	45	685	9	443	5	457	181	7

Southampton Sample Sites QUADRO Results Summary													
RC 3-4 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	
265	35	10	5	633	24	347	8	254	0	262	99	4	
266	26	10	5	738	12	177	5	135	0	140	107	2	
267	48	30	1	193	6	115	2	74	2	78	25	1	
268	36	30	1	174	6	107	2	62	2	65	23	1	
269	50	30	1	128	5	77	1	46	1	48	19	1	
270	35	30	1	127	8	115	2	84	0	86	33	1	
271	49	30	1	106	4	65	1	36	1	38	15	1	
272	51	30	1	95	3	60	1	32	2	34	13	1	
273	47	30	1	88	3	54	1	30	1	32	13	1	
274	46	30	1	84	3	53	1	28	1	30	12	1	
275	26	30	1	148	4	53	1	40	0	42	64	1	
276	27	30	1	148	3	53	1	35	0	37	69	1	
277	61	30	1	74	3	42	1	27	0	28	13	0	
278	58	30	1	71	2	46	0	22	1	24	10	0	
279	34	30	1	120	3	44	2	36	0	38	48	1	
280	28	30	1	106	3	39	1	30	0	31	44	0	
281	52	30	1	27	1	15	0	10	0	10	5	0	
282	54	30	1	26	1	15	0	9	0	9	5	0	
283	59	30	1	20	1	11	0	7	0	7	4	0	
284	55	30	1	19	1	11	0	7	0	7	3	0	
285	57	30	1	11	0	6	0	4	0	4	2	0	
286	62	30	1	11	0	6	0	4	0	4	2	0	
287	19	50	1	390	15	225	3	146	2	151	61	2	
288	48	50	1	320	11	190	3	122	3	128	42	2	
289	50	50	1	211	8	127	2	75	2	79	31	1	
290	49	50	1	175	6	107	1	60	2	63	26	1	
291	47	50	1	145	5	89	1	50	2	53	21	1	
292	26	50	1	218	5	70	2	54	0	56	107	1	
293	61	50	1	123	5	70	1	45	0	47	21	1	
294	34	50	1	176	4	59	2	47	0	50	81	1	
295	52	50	1	44	2	24	0	16	0	17	8	0	
296	59	50	1	34	1	19	0	12	0	12	6	0	
297	57	50	1	18	1	10	0	7	0	7	3	0	
298	31	50	1	44	0	3	0	3	0	3	39	0	
299	7	100	1	932	25	569	8	319	19	346	121	6	

h													
RC 3-4 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	
265	35	10	5	633	24	347	8	254	-	262	99	4	
266	26	10	5	738	12	177	5	135	-	140	107	2	
267	48	30	1	193	6	115	2	74	2	78	25	1	
268	36	30	1	174	6	107	2	62	2	65	23	1	
269	50	30	1	128	5	77	1	46	1	48	19	1	
270	35	30	1	127	8	115	2	84	0	86	33	1	
271	49	30	1	106	4	65	1	36	1	38	15	1	
272	51	30	1	95	3	60	1	32	2	34	13	1	
273	47	30	1	88	3	54	1	30	1	32	13	1	
274	46	30	1	84	3	53	1	28	1	30	12	1	
275	26	30	1	148	4	53	1	40	0	42	64	1	
276	27	30	1	148	3	53	1	35	0	37	69	1	
277	61	30	1	74	3	42	1	27	0	28	13	0	
278	58	30	1	71	2	46	0	22	1	24	10	0	
279	34	30	1	120	3	44	2	36	0	38	48	1	
280	28	30	1	106	3	39	1	30	0	31	44	0	
281	52	30	1	27	1	15	0	10	-	10	5	0	
282	54	30	1	26	1	15	0	9	-	9	5	0	
283	59	30	1	20	1	11	0	7	-	7	4	0	
284	55	30	1	19	1	11	0	7	-	7	3	0	
285	57	30	1	11	0	6	0	4	-	4	2	-	
286	62	30	1	11	0	6	-	4	-	4	2	-	
287	19	50	1	390	15	225	3	146	2	151	61	2	
288	48	50	1	320	11	190	3	122	3	128	42	2	
289	50	50	1	211	8	127	2	75	2	79	31	1	
290	49	50	1	175	6	107	1	60	2	63	26	1	
291	47	50	1	145	5	89	1	50	2	53	21	1	
292	26	50	1	218	5	70	2	54	0	56	107	1	
293	61	50	1	123	5	70	1	45	0	47	21	1	
294	34	50	1	176	4	59	2	47	0	50	81	1	
295	52	50	1	44	2	24	0	16	-	17	8	0	
296	59	50	1	34	1	19	0	12	-	12	6	0	
297	57	50	1	18	1	10	0	7	0	7	3	0	
298	31	50	1	44	0	3	-	3	-	3	39	-	
299	7	100	1	932	25	569	8	319	19	346	121	6	

Southampton Sample Sites QUADRO Results Summary												
RC 3-4 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
300	14	100	1	739	28	434	6	269	3	279	101	4
301	50	100	1	415	15	248	4	141	3	148	62	3
302	51	100	1	308	9	194	2	99	6	107	42	2
303	26	100	1	398	8	116	3	84	0	87	214	1
304	58	100	1	232	7	150	1	70	4	76	33	1
305	52	100	1	87	3	47	1	30	0	31	16	1
306	55	100	1	61	2	35	1	20	0	21	11	0
307	31	100	1	87	0	5	0	4	0	4	78	0
308	65	100	1	31	1	17	0	11	0	11	6	0
309	38	200	1	1749	68	1029	18	673	6	697	236	11
310	36	200	1	1085	37	662	10	380	11	401	156	7
311	51	200	1	594	16	373	4	199	12	215	83	4
312	27	200	1	807	13	235	4	158	1	163	461	2
313	28	200	1	544	11	162	5	123	0	129	290	2
314	55	200	1	118	4	67	1	40	0	41	23	1
315	60	200	1	61	2	32	1	23	0	23	12	0
316	53	200	1	27	1	15	0	9	0	10	6	0
Average			2	292	9	156	3	100	2	105	44	2
No. of Works				13582	13582	13582	13582	13582	13582	13582	13582	13582
Cost of Congestion	£			3,965,487	128584	2121809	35779	1361179	25746	1422703	601409	21865

Southampton Sample Sites QUADRO Results Summary												
RC 3-4 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
300	14	100	1	739	28	434	6	269	3	279	101	4
301	50	100	1	415	15	248	4	141	3	148	62	3
302	51	100	1	308	9	194	2	99	6	107	42	2
303	26	100	1	398	8	116	3	84	0	87	214	1
304	58	100	1	232	7	150	1	70	4	76	33	1
305	52	100	1	87	3	47	1	30	0	31	16	1
306	55	100	1	61	2	35	1	20	0	21	11	0
307	31	100	1	87	0	5	0	4	-	4	78	-
308	65	100	1	31	1	17	0	11	-	11	6	0
309	38	200	1	1,749	68	1,029	18	673	6	697	236	11
310	36	200	1	1,085	37	662	10	380	11	401	156	7
311	51	200	1	594	16	373	4	199	12	215	83	4
312	27	200	1	807	13	235	4	158	1	163	461	2
313	28	200	1	544	11	162	5	123	0	129	290	2
314	55	200	1	118	4	67	1	40	0	41	23	1
315	60	200	1	61	2	32	1	23	-	23	12	0
316	53	200	1	27	1	15	0	9	-	10	6	0
Average			2	292	9	156	3	100	2	105	44	2
No. of Works				13,582	13,582	13,582	13,582	13,582	13,582	13,582	13,582	13,582
Cost of Congestion	£			3,965,487	128,584	2,121,809	35,779	1,361,179	25,746	1,422,703	601,409	21,865

Southampton Sample Sites QUADRO Results Summary												
RC 3-4 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	38	10	6	1700	67	1011	18	661	6	685	212	10
2	19	10	6	1420	54	822	11	532	6	549	218	9
3	14	10	6	1371	52	808	12	532	6	550	183	9
4	48	10	6	1161	39	691	11	443	12	466	152	7
5	36	10	6	1044	36	644	9	370	11	391	141	7
6	50	10	6	766	27	461	7	275	6	287	112	4
7	35	10	6	759	29	417	9	304	0	314	119	4
8	49	10	5	528	18	325	4	182	6	192	77	3
9	51	10	5	474	14	301	3	160	9	172	63	3
10	47	10	5	438	14	271	3	150	6	159	64	3
11	46	10	5	421	13	267	3	139	7	149	59	3
12	26	10	5	385	12	177	5	135	0	140	107	2
13	27	10	5	376	11	176	4	118	1	123	115	2
14	61	10	5	371	14	212	3	136	1	140	63	2
15	58	10	3	214	6	139	1	67	4	72	30	1
16	34	10	3	192	6	88	4	71	0	75	48	1
17	28	10	3	168	6	79	2	60	0	62	44	1
18	52	10	3	80	3	44	1	30	0	31	15	0
19	54	10	3	78	3	44	1	27	0	28	14	0
20	59	10	3	61	3	34	0	21	0	22	12	0
21	55	10	3	56	2	32	1	20	0	20	10	0
22	57	10	3	33	1	19	0	12	0	12	6	0
23	62	10	3	33	1	19	0	11	0	11	6	0
24	31	10	3	31	0	5	0	4	0	4	24	0
25	60	10	3	29	1	15	0	11	0	11	6	0
26	64	10	3	29	1	17	0	10	0	10	6	0
27	65	10	3	28	1	16	0	10	0	10	6	0
Average			4	470	17	274	4	172	3	180	73	3
No. of Works				1161	1161	1161	1161	1161	1161	1161	1161	1161
Cost of Congestion			£	545,593	19405	317795	5046	200100	3604	208750	84964	3247

Southampton Sample Sites QUADRO Results Summary												
RC 3-4 Emergency												
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	38	10	7	1983	78	1180	21	772	7	800	247	12
2	36	10	7	1218	42	751	11	432	13	456	164	8
3	51	10	7	663	19	421	4	224	13	241	88	4
4	27	10	7	527	16	246	5	166	1	172	161	3
5	28	10	7	392	13	185	5	140	0	145	102	2
6	55	10	7	131	5	76	2	46	0	48	24	1
7	60	10	7	68	2	36	0	25	0	25	13	0
8	53	10	7	30	1	17	0	11	0	11	6	0
Average			7	627	22	364	6	227	4	237	101	4
No. of Works				336	336	336	336	336	336	336	336	336
Cost of Congestion			£	210,504	7392	122270	2016	76255	1428	79699	33810	1260

Southampton Sample Sites QUADRO Results Summary													
RC 3-4 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	38	10	3	850	33	506	9	331	3	343	106	5	
2	19	10	3	710	27	411	6	266	3	274	109	4	
3	14	10	3	686	26	404	6	266	3	275	91	4	
4	48	10	3	580	19	346	6	222	6	233	76	3	
5	36	10	3	522	18	322	5	185	6	195	70	3	
6	50	10	3	383	14	230	3	137	3	144	56	2	
7	35	10	3	380	15	208	5	152	-	157	60	2	
8	49	10	3	317	11	195	3	109	3	115	46	2	
9	51	10	3	284	8	181	2	96	6	103	38	2	
10	47	10	3	263	9	163	2	90	3	95	38	2	
11	46	10	3	252	8	160	2	83	4	89	35	2	
12	26	10	3	231	7	106	3	81	-	84	64	1	
13	27	10	3	226	7	105	2	71	0	74	69	1	
14	61	10	5	371	14	212	3	136	1	140	63	2	
15	58	10	5	356	11	231	2	111	6	120	50	2	
16	34	10	5	319	10	147	6	118	1	125	81	2	
17	28	10	5	280	9	132	4	100	-	104	73	1	
18	52	10	5	133	5	73	1	51	-	52	24	1	
19	54	10	5	129	5	74	1	45	-	47	24	1	
20	59	10	5	102	4	57	1	35	-	36	19	1	
21	55	10	6	112	4	65	2	39	-	41	21	1	
22	57	10	6	67	3	37	1	24	-	25	12	-	
23	62	10	6	66	3	38	-	22	-	22	13	-	
24	31	10	6	63	1	9	-	8	-	8	47	-	
25	60	10	6	58	2	31	-	22	-	22	11	-	
26	64	10	6	57	3	34	-	20	-	20	11	-	
27	65	10	6	57	3	33	-	20	-	20	11	-	
Average			4	300	11	172	3	108	2	113	50	2	
No. of Works				1,161	1,161	1,161	1,161	1,161	1,161	1,161	1,161	1,161	
Cost of Congestion	£			348,236	12,261	199,901	3,260	125,932	2,169	131,360	58,356	2,016	

Southampton Sample Sites QUADRO Results Summary													
RC 3-4 Emergency													
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	38	10	7	1,983	78	1,180	21	772	7	800	247	12	
2	36	10	7	1,218	42	751	11	432	13	456	164	8	
3	51	10	7	663	19	421	4	224	13	241	88	4	
4	27	10	7	527	16	246	5	166	1	172	161	3	
5	28	10	7	392	13	185	5	140	-	145	102	2	
6	55	10	7	131	5	76	2	46	-	48	24	1	
7	60	10	7	68	2	36	-	25	-	25	13	-	
8	53	10	7	30	1	17	-	11	-	11	6	-	
Average			7	627	22	364	6	227	4	237	101	4	
No. of Works				336	336	336	336	336	336	336	336	336	
Cost of Congestion	£			210,504	7,392	122,270	2,016	76,255	1,428	79,699	33,810	1,260	